

CONFERENCE PROGRAM

NCUR[®] 2014

National Conference on Undergraduate Research
April 3-5



UNIVERSITY OF
KENTUCKY[®]

#NCUR2014

www.cur.org/NCUR_2014



SEE YOU NEXT YEAR!

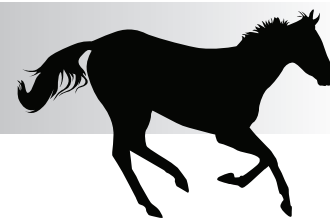


EASTERN
WASHINGTON UNIVERSITY
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NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH
APRIL 16-18, 2015 | CHENEY & SPOKANE, WASH.
BEGIN BOOKING HOTELS APRIL 7, 2014: WWW.CUR.ORG/NCUR_2015



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http://www.cur.org/ncur_2014/

UK

Division of Undergraduate Education

ACADEMY FOR UNDERGRADUATE EXCELLENCE

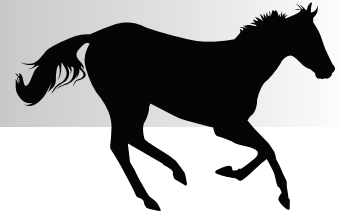


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Undergraduate
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TOYOTA

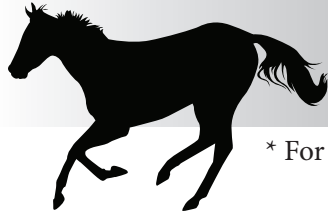


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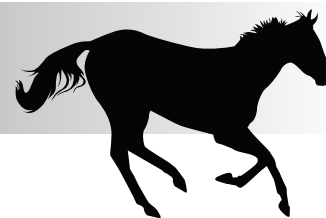
Schedule of Events

* For all locations see maps in back of program.

Wednesday, April 2	
4:00pm-8:00pm	Registration <i>Student Center Grand Ballroom</i>
Thursday, April 3	
7:00am-4:00pm	Registration <i>Student Center Grand Ballroom</i>
7:00am-9:00am	Breakfast <i>Student Center Grand Ballroom</i>
9:00am-10:30am	Opening and Plenary 1 - Lyons <i>Singletery Center Concert Hall</i>
11:00am-12:00pm	SESSION 1 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i>
12:00pm-2:00pm	Lunch
12:30pm-1:30pm	FAN Sessions 1 <i>Student Center</i>
1:00pm-6:00pm	Graduate/Professional School Fair <i>Memorial Coliseum</i>
2:00pm-3:00pm	SESSION 2 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i> Student Interest Session <i>Student Center, room 230</i>
3:30pm-4:30pm	SESSION 3 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i> Student Interest Session <i>Student Center, room 230</i>
4:00pm-6:00pm	UK Departmental Open Houses*
4:00pm-6:00pm	NCUR Student Art Reception <i>Fine Arts Bldg. room 108</i>
6:30pm-9:30pm	Plenary 2 - Kimel Kentucky Proud Dinner <i>Lexington Center</i>

Friday, April 4	
7:00am-4:00pm	Registration <i>Student Center Grand Ballroom</i>
7:00am-9:00am	Breakfast <i>Student Center Grand Ballroom</i>
8:00am-9:00am	FAN Session 2 <i>Student Center</i>
8:00am-11:30am	Graduate/Professional School Fair <i>Memorial Coliseum</i>
9:00am-10:00am	SESSION 4 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i> Student Interest Session <i>Student Center, room 230</i>
10:30am-11:30am	SESSION 5 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i> Student Interest Session <i>Student Center, room 230</i>
12:00pm-2:00pm	Lunch
12:00pm-6:00pm	Career Gallery <i>Memorial Coliseum</i>
12:30pm-1:30pm	SESSION 6 Poster Presentations <i>Memorial Coliseum</i>
12:30pm-1:30pm	FAN Session 3 <i>Student Center</i>
2:00pm-3:30pm	Plenary 3 - Finney <i>Singletery Center Concert Hall</i>
3:30pm-4:30pm	SESSION 7 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i>

Schedule of Events



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RICE

Rice University • Houston, TX

(schedule cont.)

4:30pm-6:00pm	NOC Reception (invitation only) <i>Hilary J. Boone Center</i>
5:00pm-6:00pm	SESSION 8 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i>
6:00pm-9:00pm	C.A.T. Crawl
9:00pm-11:00pm	<i>Sundy Best Concert - BIG EVENT</i> <i>Grand Reserve, 903 Manchester Street</i>
Saturday, April 5	
7:00am-9:00am	Registration <i>Student Center Grand Ballroom</i>
7:00am-9:00am	Breakfast <i>Student Center Grand Ballroom</i>
7:00am-9:00am	Luggage Storage Center <i>Student Center, room 211</i>
9:00am-10:00am	SESSION 9 Oral Sessions* Poster Sessions <i>Memorial Coliseum</i> Performing and Visual Arts Sessions <i>Singletery Center and Fine Arts Bldg.</i>
10:30am-12:00pm	Plenary 4 - Bailey <i>Singletery Center Concert Hall</i>
12:30pm	Excursions

#NCUR2014



Acknowledgements

The University of Kentucky extends deep appreciation to:

-The University of Kentucky faculty, staff, and students for their heartfelt and admirable efforts to ensure a successful conference.

-Lexington businesses and residents for their cooperation in welcoming more than 4,000 students and faculty to our campus, city and region.

-Lexington hotels for providing hospitality and assistance to visiting students and faculty.

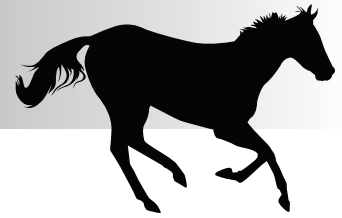
-All UK teams, offices, units, and local contributors listed below:

Abstract Review Coordinator
Abstract Reviewers
All participating colleges and units
All Team Leaders and Team Members
Bicycle Rental Program Facilitators
Bluegrass Tours transportation company and drivers
Budget Team
Career Gallery Exhibitors
Center for Student Involvement
Chellgren Center for Undergraduate Excellence
Community Engagement
Council on Undergraduate Research
Development Officers and Sponsorship Team
Division of Undergraduate Education
Enrollment Management
Excursions Team
Executive Planning Committee
Faculty Moderators and Coordinators
FAN Session Speakers
Fastsigns, Lexington, KY
Fire, Police and Safety Teams
Graduate and Professional Fair Exhibitors
Graphic Design office
Honors Program
James Archambeault
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Lexington Blue Grass Airport
Lexington Center and Hyatt Hotel Teams
Lexington Convention and Visitor's Bureau
Lexington-Fayette Urban County Government
Map Design Teams
Mobile App and Computer Sciences Group
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Sessions Schedulers and Coordinators –
Shuttle Services
Society for the Promotion of Undergraduate Research
Sponsors
Stuckert Career Center
Student and Lead Volunteers
Student Center and Dining Services
Student Entertainment Groups
Student Interest Session Speakers and Panel Members
Student Organizations
Student Outreach Team
Sundy Best
Sustainability Team Members
Technical Team - IT
The Grand Reserve

Even if accidentally omitted, we ensure here that we value the contributions of each and every person and group who gave selflessly of their time and effort to make NCUR 2014 a success. It truly "takes a village!"

Welcome



Lexington-Fayette Urban County Government
OFFICE OF THE MAYOR

Jim Gray
Mayor

April, 2014

Hello, everyone,

It is my distinct honor to welcome the 28th National Conference on Undergraduate Research participants to the Horse Capital of the World. You may be interested to know that Lexington was founded in 1775, before the Declaration of Independence, and is the second-largest city in Kentucky. Located in the heart of the Bluegrass region of the state, Lexington has been home to the University of Kentucky since 1865. As Kentucky's flagship institution, the University plays a critical leadership role in the surrounding community by promoting diversity, inclusion, economic development, and human well-being.



UK and local businesses have collaborated to make this conference a wonderful experience for everyone. Thursday evening downtown will be topped off with a free concert by UK's *RocKats* in Triangle Park. The *RocKats* are a brand-new rock/pop band, one of the first university-sponsored rock/pop bands in the nation. This outdoor concert is a sure bet for finishing the evening with lots of fun and this is just day one.

It is my sincere hope that you enjoy the next 2 ½ days of outstanding professional programs in an exceptional environment and all the excitement and flavors of downtown Lexington in the springtime!

Sincerely,

A handwritten signature in black ink that reads "Jim Gray". The signature is fluid and cursive, written in a professional style.

Jim Gray
Mayor

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HORSE CAPITAL OF THE WORLD



Welcome

Welcome to the University of Kentucky

On behalf of the University of Kentucky family, it is our sincere pleasure to welcome you to the 2014 National Conference on Undergraduate Research (NCUR). Over the next several days, you will engage and explore together with fellow students from across the United States a myriad of new curiosities and ideas.

Undergraduate research and scholarship – the creation of knowledge – is a fundamental component of a multi-faceted higher education. It is an integral part the University of Kentucky’s mission as the state’s flagship and land grant research institution, and the driving purpose of NCUR.

The conference brings together more than 4,000 undergraduate students, mentors and administrators in a unique environment for sharing and celebrating new ideas. It is an opportunity to recognize undergraduate research as an essential part of academia, and the importance of investing in creative scholarship that informs, uplifts, and fuels an innovative global economy.

The interplay between discovery and academics provides a rich educational experience for young scholars. By engaging in collaborative discovery among the next generation of thinkers, NCUR stirs the aspiring pioneer that will address the world’s most intractable problems and create a better future for the communities they touch.

We are proud to welcome you to our campus, and we hope that you will see the best of the University of Kentucky and what it means to “see blue.” Take advantage of your time to build relationships within and across disciplines. The friendships you foster can be the seeds for creativity in the future. Good luck and enjoy the conference.

Sincerely,

Eli Capilouto
President

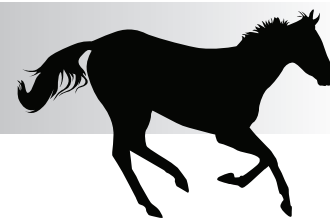
Christine Riordan
Provost

Eric Monday
Executive Vice President
Of Finance and
Administration

Ben Withers
Associate Provost,
Undergraduate
Education



Welcome



**The University of Kentucky, Office of Undergraduate Research
Welcomes you to NCUR 2014**

**“Tell me, and I’ll forget
Show me, and I’ll remember
Involve me, and I’ll understand”**

- Chinese proverb

The Office of Undergraduate Research, in association with numerous programs and individuals across UK’s campus, champions and supports undergraduate research for our students – from the Freshman year to graduation. At various points along their research progression, we get the honor of learning in more detail about our students’ research journeys and discoveries. To honor the remarkable achievements of our undergraduate researchers, and those from across the nation, we gather together at NCUR 2014.

While the students are enormously dedicated and talented, their success is highly dependent on yet another factor - the devotion and expertise of their faculty mentors who work side by side with gifted undergraduates to prepare them for the rigors of their chosen careers, and who also work with the Office of Undergraduate Research to help to facilitate research programs. Congratulations to all mentors who promote student success. From the undergraduate student presentations you will see at NCUR®, there will be no doubt that you do, indeed, make a difference.

Please join us in welcoming and congratulating all undergraduate student presenters at this year’s conference who will highlight for you what engaging in undergraduate research and scholarly activity is all about!

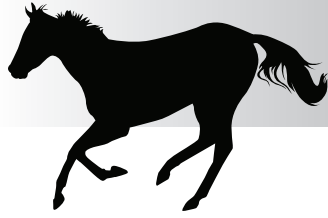
Have a wonderful conference!



Diane M. Snow, PhD
Director, Office of Undergraduate Research
Professor and Endowed Chair
UK College of Medicine



Bessie Guerrant
Associate Director
Office of Undergraduate Research



Welcome



Greetings,

The Council on Undergraduate Research (CUR) is proud to congratulate the more than 4000 scholars participating in the 28th National Conference on Undergraduate Research (NCUR®)

on the beautiful University of Kentucky campus. As an NCUR® 2014 participant, you are part of a long cherished tradition, one that annually celebrates and commemorates outstanding research, scholarship, and creative inquiry undertaken by outstanding students and their faculty mentors.

CUR and its affiliated colleges, universities, and individuals share a focus on providing research opportunities for students with faculty at all institutions serving undergraduate students. Serving over 670 institutions and 9500 individuals, CUR is an international organization whose mission is to support the global undergraduate research enterprise. We invite all NCUR® 2014 attendees to stop by the CUR table in Memorial Coliseum and/or the Student Center. We would like to show you how you might join the CUR family. Find us online at (<http://www.cur.org>).

It is with sincere gratitude that CUR thanks the University of Kentucky for hosting a conference that will be the largest NCUR® to date. Due to the hundreds of dedicated faculty staff and students, NCUR® 2014 will be a truly vibrant, professional, and memorable experience.

*Elizabeth Ambos, CUR Executive Officer
Washington, D.C.*



Future NCUR® Conferences

NCUR® 2015: Eastern Washington University, April 16-18
NCUR® 2016: UNC-Ashville, April 7-9
NCUR® 2017: University of Memphis, April 6-8



As President of CUR, I want to congratulate the students on being accepted to present your work at the National Conference of Undergraduate Research. I also want to thank the University of Kentucky for hosting the conference, opening its doors, and welcoming us home to Kentucky. I also want to thank the members of the NCUR® oversight committee along with the CUR national office staff for their work in helping this conference come together.

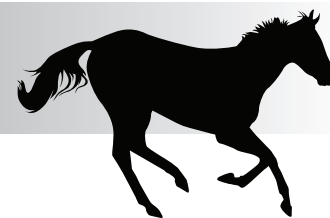
When I am at any poster session, the work seems straightforward and clear as it fits into one nice single sheet. However as the students and mentors know, nothing is so easy. The posters, presentations, and performances represent questions and ideas that called to be answered by the researchers and performers. Although the completion of the research or performance is important, it is the process of grappling with ideas in research, and creativity that is equally (if not more) valuable.

The impact undergraduate research, scholarship, and creative activity has on students is profound and the mentoring relationship between faculty and students is one of the most important experiences for students as they prepare for their lives ahead in the professional world and graduate school. I expect that the next places you will appear will be on the frontiers of knowledge, ideas, and commerce.

You represent the best of the outstanding work happening at your home institution. Again, congratulations and welcome to NCUR® and the University of Kentucky.

*Julio Rivera
President, Council on Undergraduate Research
Provost and Professor of Geography, Carthage College*

Welcome



What is NCUR®?

The National Conference on Undergraduate Research (NCUR®), established in 1987, promotes undergraduate research, scholarship and creative activity in all fields of study through an annual conference for students. The first conference drew more than 400 participants from schools across the country. Now in existence for over twenty-five years, the conference regularly hosts more than 3,000 students and their faculty mentors to present their research through posters, oral presentations, visual arts and performances. In 2011, NCUR® formally merged with the Council on Undergraduate Research (CUR).



Dear NCUR® 2014 Participants,

On behalf of the NCUR® Oversight Committee, it is my pleasure to welcome you to the 28th National Conference for Undergraduate Research (NCUR®) at the University of Kentucky. For the next 2 ½ days, you will be immersed in the largest showcase for outstanding scholars and many of their faculty mentors from across the nation and abroad in all fields of study. I encourage you to take full advantage of all the activities and events offered at NCUR® 2014. This is an opportunity to sharpen your presentation skills, meet new peers and faculty working similar fields and consider publishing your scholarly work in the NCUR® 2014 Proceedings.

To the University of Kentucky, we would like to express our deepest gratitude for all the hard work that has gone into making NCUR® 2014 the largest conference since 1987 when it all began. Hosting over 4000 students, faculty and administrators is no small feat. Therefore, we congratulate you and look forward to the next 2 ½ days on the campus and in the great commonwealth of Kentucky.

Gubbi Sudhakaran,
Chair, NCUR® Oversight Committee
Professor and Chair of Physics
University of Wisconsin, La Crosse

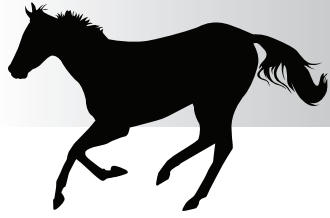


NCUR

National Conferences
on Undergraduate
Research



1. Elizabeth Ambros
(Ex-officio, CUR Executive Officer)
2. Lauren Fowler
(Psychology Division, NCUR® 2012 Host)
3. Sibdas Ghosh (Executive Board, at-Large Division)
4. Sandra Gregerman (URPD Division)
5. Bessie Guerrant
(Executive Board, NCUR® 2014 Host)
6. Marilyn Hart (at-Large Division)
7. Mark Harvey (NCUR® 2016 Host)
8. Evelyn Hiatt (Biology Division)
9. Charles Lopez (NCUR® 2015 Host)
10. John Mateja (Executive Board, at-Large Division)
11. Jason Miller (Math & Computer Science Division)
12. Paul Miller (Health & Sciences Division)
13. Dennis Munk (Social Science Division)
14. James Phillips (Chemistry Division)
15. Julio Rivera (CUR President)
16. Jeff Ryan (Geoscience Division)
17. Gubbi Sudhakaran
(NOC Chair, NCUR® 2013 Host, Physics Division)
18. John Swift (Arts & Humanities Division)
19. Mary Pat Twomey
(Ex-officio, CUR National Office)



Plenary Speakers



T. Pearse Lyons, PhD
Thursday, April 3
9:00am-10:30am
Singletary Center Concert Hall
Sponsored by Alltech

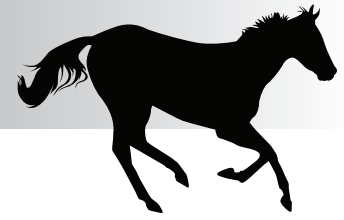
T. Pearse Lyons, PhD is the founder and president of Alltech, a global animal health company that employs more than 1,900 people and has a presence in 113 countries around the world. Alltech, located in the heart of the Bluegrass state, is a global leader in the animal health industry, boasting group sales of more than \$400 million. Lyons received the State Export Award for Kentucky and was acknowledged as the leader of one of the top 100 fastest-growing high-tech companies by World Trade Magazine.



Kris W. Kimel
Thursday, April 3
6:30pm-9:30pm
The Lexington Center Bluegrass Ballroom
Sponsored by Gallatin Steel

Kris W. Kimel is the founder and serves as the President of Kentucky Science and Technology Corporation. Mr. Kimel serves as a Partner of NanoRacks LLC. Mr. Kimel is a leader behind the vision and implementation of Kentucky Space a nonprofit enterprise focused on the design, development and application of entrepreneurial and educational space platforms. He is also the founder of the international IdeaFestival (IF) a world-class event that attracts leading and highly diverse thinkers from across the nation and around the globe to explore and celebrate innovation, imagination and game-changing ideas.

Plenary Speakers



Nikky Finney
Friday, April 4
2:00pm-3:30pm
Singletary Center Concert Hall
Sponsored by Lockheed Martin and Toyota

Nikky Finney was born in South Carolina, within listening distance of the sea. A child of activists, she came of age during the civil rights and Black Arts Movements. At Talladega College, nurtured by Hale Woodruff's Amistad murals, Finney began to understand the powerful synergy between art and history. Finney has authored four books of poetry: *Head Off & Split* (2011); *The World Is Round* (2003); *Rice* (1995); and *On Wings Made of Gauze* (1985). The John H. Bennett, Jr. Chair in Southern Letters and Literature at the University of South Carolina, Finney also authored *Heartwood* (1997) edited *The Ringing Ear: Black Poets Lean South* (2007), and co-founded the Affrilachian Poets. Finney's fourth book of poetry, *Head Off & Split* was awarded the 2011 National Book Award for poetry.



Ernest Bailey, PhD
Saturday, April 5
10:30am-12:00pm
Singletary Center Concert Hall
Sponsored by Kentucky Science and Technology Corporation

Ernest Bailey, PhD is a professor of veterinary science at the University of Kentucky's Gluck Equine Research Center and coordinator for the USDA Horse Genome collaboration, an international effort by over 100 scientists in 20 countries to define the genome, the DNA sequence, of the domestic horse. With this knowledge, scientists can begin to understand the genetic aspects of equine physiology and disease. Genetic tools have the potential to help researchers find new therapies and treatments for diseases such as laminitis, respiratory diseases, etc.



General Information

NCUR® 2014 Logo



Lexington, Kentucky is known as the “Horse Capital of the World.” It is a thriving urban center surrounded by world famous horse farms and rolling hills of bluegrass. Lexington was founded in 1775, seventeen years before Kentucky became a state. William McConnell and a group of frontier explorers were camped at a natural spring when word came from nearby Fort Boonesborough that the first battle of the American Revolution had been fought in Lexington, Massachusetts. In honor of the battle, the group named their site “Lexington.”

By 1820, Lexington, Kentucky, was one of the largest and wealthiest towns west of the Allegheny Mountains. So cultured was its lifestyle, our city soon gained the nickname “Athens of the West.”

The NCUR® 2014 logo features a silhouette of one of Lexington’s most famous exports, a Thoroughbred, set against one of the most recognizable features on the University of Kentucky’s campus, the clock tower of Memorial Hall. The logo was designed by Ashley McIntyre.

ATMs and Banks

ATMs are located outside the Student Center, facing the parking lot. The UK Credit Union is located in Student Center, Room 245.

Lobby hours are Monday-Friday: 7:30am-4:30pm

Faculty/Administrator Lounge

The lounge is located in 211 Student Center from 8:00am-5:00pm on Thursday and Friday.

Information Tents

Information tables are staffed throughout the conference at the following locations:

- Lucille Caudill Little Fine Arts Library
- Student Center
- Transportation drop off and pick up points
- Wildcat Plaza

Campus Volunteers

Volunteers can be recognized by their T-shirt colors: light blue and yellow.

Registration

The Registration table will serve as a destination for attendees with requests or problems that might require a higher level of attention. We will be able to make or edit name badges, assist with scheduling questions or help with any other issues that might require the use of the NCUR® software as a reference.

NCUR® T-Shirts

NCUR® T-Shirts that were purchased during the online registration process will be available for pickup at the information booth in the Student Center. T-Shirts can be purchased on-site from the same location.

Medical Information

*For basic medical care, call the UK Clinic at (859) 257-8562.
For emergencies dial 911.*

University of Kentucky Medical Center
800 Rose Street
Lexington, KY
(859) 257-1000

Pharmacies

University of Kentucky Pharmacy Services
University of Kentucky Chandler Medical Center
800 Rose Street, H110
Lexington, KY 40536-0293
(859) 323-0249

Walgreens (24 hour service)
2290 Nicholasville Road
Lexington, KY 40503
(859) 276-1553

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Master of Nonprofit Organizations (MNO)

- Builds on 25 years of delivering **nonprofit management** education
- **Dual degree** option: MSSA/MNO

Doctor of Philosophy in Social Welfare (PhD)

- **Expertise** in social work theory, research, and education



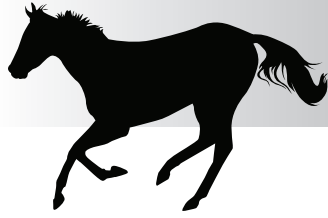
JACK, JOSEPH AND MORTON MANDEL
SCHOOL OF APPLIED SOCIAL SCIENCES

CASE WESTERN RESERVE
UNIVERSITY

Take a Closer Look at the Mandel School



Cleveland, Ohio | msass.case.edu | 800.863.6772 | MandelSchool@case.edu



General Information

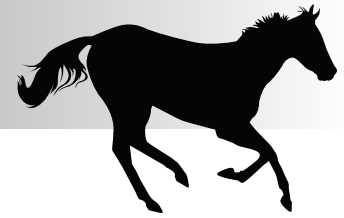
Meals

Note: All locations have vegetarian and gluten-free options. If you indicated any kind of dietary restriction on your registration, please go to the Student Center Grand Ballroom to pick up your meal at the designated table.

*See UK Dining Services Map for locations.

<u>Vendor</u>	<u>Location</u>	<u>Hours</u>	<u>Days</u> T = Thursday; F = Friday; S = Saturday	<u>Payment</u>
Breakfast				
Grand Ballroom	Student Center	7:00am-9:30am	T,F,S	Show Badge
Starbucks	Student Center	7:00am-7:00pm 7:00am-3:00pm	T,F S	Cash/Credit Card
Chick-Fil-A	Student Center	7:30am-8:00pm	T,F	Cash/Credit Card
Snacks				
Concession Stand	Memorial Coliseum (2 carts)	10:00am-4:00pm	T,F	Cash
Outdoor Kiosk	White Hall Classroom Building (2 carts)	10:00am-4:00pm	T,F	Cash
Lunch (Different color each day)				
Blazer Cafe	Blazer Hall	12:00pm-2:00pm	T,F,S	Ticket <i>All you can eat buffet</i>
Chick-Fil-A	Student Center	12:00pm-2:00pm	T,F,S	Ticket Any sandwich or 8-count nugget; side item and a fountain drink
Grand Ballroom	Student Center	12:00pm-2:00pm	T,F,S	Ticket <i>Hot and Cold Choices</i>
Intermezzo	Patterson Office Tower	12:00pm-2:00pm	T,F	Ticket Any sandwich, salad or hot entrée, one side and a fountain drink
Panda Express	Student Center First Floor	12:00pm-2:00pm	T,F,S	Ticket 2 entrée meal with fountain drink
Say Cheese	Student Center	12:00pm-2:00pm	T,F	Ticket Any sandwich; side item and a fountain drink
Sbarro	Student Center	12:00pm-2:00pm	T,F,S	Ticket 2 slices of pizza or a pasta entrée; small salad and a fountain drink

General Information



<u>Vendor</u>	<u>Location</u>	<u>Hours</u>	<u>Days</u> T = Thursday; F = Friday; S = Saturday	<u>Payment</u>
Subway	Student Center	12:00pm-2:00pm	T,F,S	Ticket 12" sub < \$6.25 or any 6" sub w/ chips and fountain drink
Subway Cart	Student Center Patio	12:00pm-2:00pm	T,F	Ticket Boxed lunch w/12"sub, cookie, chips and soda Sandwich choices: Ham, Turkey or Italian BMT
Dinner				
Bluegrass Ballroom	Lexington Center	6:30pm-9:30pm	T	Ticket Only \$20 students \$35 non-student
C.A.T. Crawl	Local Restaurants	6:00pm-9:00pm	F	Cash/Credit Card Discounts at participating restaurants (10-25%)

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General Information

Classroom Technology

Equipment and Software

All presentation classrooms will contain the following equipment/software:

- Computer with CD/DVD drive running Windows 7 operating system
- Internet connectivity (wired and wireless)
- An LCD projector
- Microsoft Office 2010
- Program audio
- Media Players:
 - Windows Media Player
 - QuickTime
 - VLC
- Adobe Acrobat Reader
- Browsers:
 - Mozilla Firefox
 - Internet Explorer
 - Chrome

Remember to bring your presentation information on a USB flash drive or CD/DVD.

Wireless Access

Wireless network coverage is available in all campus buildings, but coverage may be limited during large meetings. Please refrain from using personal hot-spots or Wi-Fi tethering as these degrade the experience for everyone.

To Get Connected:

1. View available wireless networks
2. Select ukyedu
3. No password is required

Printing and Mailing Services

Post Office

White Hall Classroom Building basement

Ricoh Document Service Center

White Hall Classroom Building basement
(859) 257-1813

The Hub-Printing

William T. Young Library
(859) 257-0500

Computer Labs

The University of Kentucky computer labs will be available for NCUR® participants. To log in to a computer:

username: NCUR2014

password: 2014NCUR@uk

To view a map of computer lab locations, go to <http://www.uky.edu/ukit/labs/lab-information>

Need Technical Help?

Contact our UKIT Service Desk at (859) 218-4357.

Charging Stations Across Campus

You can charge your phone at community locations throughout campus. These chargers have attachments for iPhone, Android, Blackberry, and mini USB.

Charging stations are available in:

- William T. Young Library
- Student Center
- White Hall Classroom Building
- Chem/Phys Building Science Library

Phones must be accompanied while charging.


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“The faculty were really involved with the community, which was a driving force behind my decision to attend the Brown School.”

*Nina Parikh, MPH '13, Teach for America alum
Project manager, Stanford Prevention Research Center*

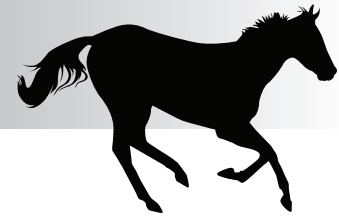
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Sustainability



The University of Kentucky recognizes that in its mission to improve the lives of Kentuckians, one of its greatest challenges is to engage the University community to create policies and programs that will simultaneously advance economic vitality, ecological integrity and social equity, now and into the future. As such, it calls upon all levels and constituencies of the University to participate in a continuous and on-going effort to institute the teaching, research, and practice of sustainability and to establish an institutional culture of sustainability.

-Commitment statement from the University of Kentucky Sustainability Policy

In 2012 the University of Kentucky received a Silver rating from the STARS program of the Association for the Advancement of Sustainability in Higher Education. Many of the programs and innovations that contributed to our Silver rating will be on display and available to you during NCUR® 2014. The sections below highlight a number of these efforts. We encourage you to take advantage of these resources during your stay and to be a part of our growing sustainability initiatives.

Recycle Blue

The University of Kentucky offers single-stream recycling for aluminum cans, plastic bottles, office and glossy paper, cardboard and glass bottles in all campus buildings and along major campus pathways. Just look for the blue bins. The University also has a wide variety of programs for diverting less common items from the landfill and operates a surplus property program to reuse or auction everything from office furniture to medical equipment.

Bottle Filling Stations

Inspired by the work of Student Leaders in the UK Student Center, the University has installed more than 100 bottle filling stations across campus and they can now be found in more than 50 campus buildings. The UK Student Center, Whitehall Classroom Building, and the Singletary Center for the Arts all have permanent bottle filling stations that make it convenient and easy to refill your bottle with free, cold, filtered water. Temporary bottle filling stations will be set-up in Memorial Coliseum during NCUR® 2014.

See map.

Bicycling

Riding a bicycle is a great way to get around our campus and explore our community. The Wildcat Wheels Bicycle Library has partnered with NCUR® 2014 to provide a limited number of bicycles to NCUR® attendees at no charge. All bikes are equipped with a lock, fenders, and a rear rack. Helmets are available. The University of Kentucky has been awarded Bronze status as a Bicycle Friendly University by the League of American Bicyclist for our growing and connected network of bicycle lanes and paths as well as our innovative programs focused on education, safety, and encouragement.

Energy Conservation

Most of the facilities hosting NCUR® 2014 are connected to sophisticated efforts to reduce the environmental impacts of their operation by reducing energy demand. The University has a long-standing commitment to energy efficiency and conservation and our efforts in these areas have significant environmental and economic benefits. The biggest savings come from the centralized energy management of campus buildings by control centers that are staffed around clock seven days a week. This effort uses a variety of strategies to conserve energy and saves UK more than \$3 million a year in electricity costs. These “negawatts” (avoided electricity use) reduced the greenhouse gas emissions of the University by 54,007 metric tons of CO2 equivalent in 2013, a 10% reduction of our carbon footprint. UK has been honing these energy management strategies for decades and continues to develop new approaches to energy saving including a recent \$25 million project to upgrade and retrofit equipment in 61 campus buildings, the creation of Empowered.uky.edu, a real-time, web-based energy dashboard and the hiring of an energy engineer charged with maximizing savings with a building-by-building approach.





Transportation

Parking

Driving personal vehicles to campus is discouraged. Parking at the University of Kentucky is very restricted. If you are not staying at a hotel with a shuttle, you have two choices:

Remote On-campus Parking

Location: RV lot near intersection of Alumni Drive and Commonwealth Drive.

A remote parking area has been designated for regional attendees driving to and from home each day at the intersection of Alumni Drive and Commonwealth Drive across from Commonwealth Football Stadium. There is no charge to park in the remote parking area. Disabled attendees who drive in are encouraged to use the remote parking area as all buses are ADA accessible.

Those parking in the remote lot should ride the Lextran Greg Page/Stadium Route buses which pick up at the bus stop on the east side of the lot. Look for a designated sign and volunteer. These buses run from 7:00 am-7:00 pm approximately every 10 minutes. Conference attendees should get off at the bus stop on South Limestone at the base of Administration Drive near the steps to the Main Building. Signs and volunteers at the stop will direct you to the conference registration area a short walk away.

Limited Daily Self-Pay Parking at Structure 5

Location: 409 S. Limestone
(entrances on S. Limestone and S. Upper Street)

Visitor rates are \$2 for the first hour, \$2 for the second hour, \$1 for every hour thereafter with a \$10 maximum per day. Parking fees are made using three ATM-style central cashier stations, located in Stairwell A on levels 1 and 3. Accessible parking is available on all levels of the structure. Elevators are located in Stairwell A. To enhance convenience, access and safety, pedestrians may use pedways from Stairwell A level 3 across South Limestone to the UK Student Center.

Disability Parking

NCUR® participants with permanent or temporary physical impairments that substantially limits or impairs their ability to walk may qualify for disability parking. A campus disability parking permit is required for parking in campus disability spaces. Visitors may have a state issued disability license plate or state issued parking pass, but these are not valid for disability parking on campus.

Shuttles

Daily Shuttles to Campus

All NCUR® participating hotels will provide a daily shuttle to and from campus FREE of charge. Shuttles will run between these hotels and campus approximately every 30 minutes between 6:30am and 7:00pm on Thursday and Friday and between 6:30am and 1:00pm on Saturday. All shuttles will pick up and drop off from Administration Drive right in front of the UK Student Center in the heart of campus.

UK Departmental Open House Shuttles

Shuttles will begin running from Patterson Drive at 3:45pm and will run in (approximately) 10 minute intervals. The shuttles will have a “UK Open House Shuttle” sign prominently displayed in the front passenger window. Student volunteers will be waiting at the shuttle stops to direct you to the Open Houses. **See map for a complete listing of the Departmental Open Houses.**

Shuttles to Evening Ticketed Events

Thursday Night Plenary Session:

“Big Ideas Start at Crazy: Creativity and Innovation for the Future” featuring Kris Kimel

Shuttles from campus to the Lexington Center will depart from Administration Drive every 15 minutes from 6:00-7:00pm. Look for the “Plenary Dinner Shuttle” sign in the passenger side window. After dinner, the hotel shuttles will pick up on Main Street outside of the Lexington Convention Center beginning at 9:00pm. The last shuttles to hotels will depart at 11:00pm.

Friday Night:

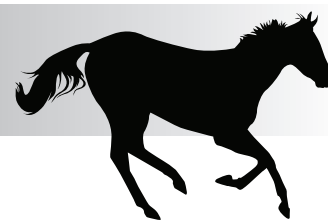
Sundy Best Concert

Shuttles from campus to The Grand Reserve (903 Manchester Street) will depart from Administration Drive every 15 minutes from 7:45-9:30pm. Look for the “Sundy Best” sign in the passenger side window. After the concert, the hotel shuttles will begin routes to the hotels at 10:00pm. The last shuttles to the hotels will depart at 11:30pm.

Saturday Excursion Shuttles

All four excursions will start loading buses on Patterson Drive outside the Singletary Center at noon. Buses will depart Lexington at 12:30pm. Lunch will be provided on the bus. All excursions will return to Lexington between 5:00pm and 6:00pm. Transportation will be provided back to hotels if needed.

Transportation



Saturday Shuttles to Blue Grass Airport

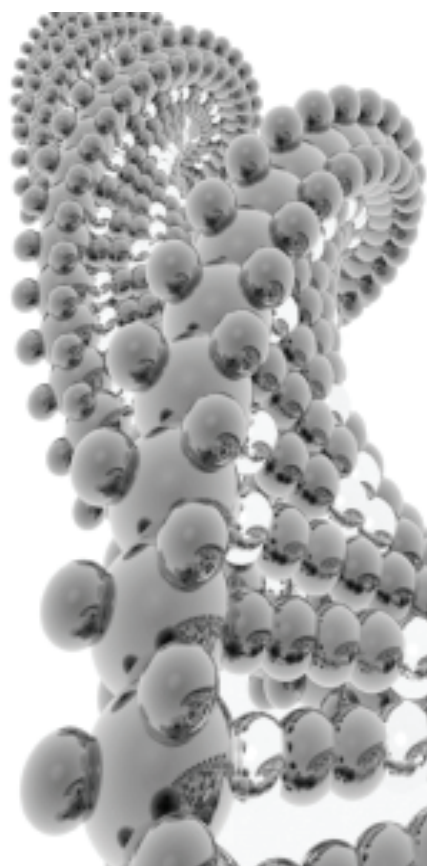
UK provides complimentary, limited shuttle service to the Lexington Blue Grass Airport on Saturday morning. However, if your hotel provides its own shuttle, you may find that it is more convenient to arrange to use those services. The airport shuttles will depart from the Bowman Wildcat Statue on Avenue of Champions every 30 minutes starting at 9:30am. The last shuttle will depart at 1:00pm.

Luggage Storage Center

All conferees departing from the UK campus to the airport can bring their luggage to UK on the day of departure. Luggage can be stored in room 211 of the UK Student Center starting at 7 a.m. on Saturday, April 5. A ticket will be issued at the time of drop off. This ticket must be provided to retrieve any stored luggage. Please allow ample time to retrieve your luggage prior to departure.

Shuttle Routes

Route	Hotel	Address
Purple	Clarion	1950 Newtown Pike
Blue	The Campbell House	1375 South Broadway
Yellow	Courtyard by Marriott	775 Newtown Court
Green	Embassy Suites	1801 Newton Pike
Brown	Double Tree Suites	2601 Richmond Road
Green	Fairfield Inn and Suites	2100 Hackney Place
Green	Four Points by Sheraton	1938 Stanton Way
Red	Hilton Downtown	369 West Vine Street
Red	Hyatt Regency	401 West High Street
Green	La Quinta Inn	1920 Stanton Way
Purple	Marriott Griffin Gate Resort	1800 Newtown Pike
Yellow	Residence Inn	1080 Newtown Pike
Blue	Spring Hill Suites	863 South Broadway
Blue	The Inn on Broadway	1301 South Broadway
Blue	University Inn	1229 South Limestone



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Exhibits

Exhibition Featuring Photographer James Archambeault

*Singletary Center for the Arts, President's Room
8:00am–5:00pm (Thurs. & Fri.) Between Sessions
8:00am–12:00pm (Sat.) Between Sessions*

James Archambeault is a Kentucky resident who has worked as an independent photographer specializing in nature and the landscape for over three decades. He has been enjoyed by people around the world, through his six books and annual Kentucky calendar, posters and note cards. He has become Kentucky's "visual ambassador", communicating to others the rare beauty that Kentuckians know and love.

Archambeault's images have appeared in a variety of books, magazines and other publications, including National Geographic, American Heritage Magazine, Time-Life Books and the Smithsonian Guides to Natural America. His photographic prints are exhibited and sold in shows and galleries in the United States and are included in numerous corporate and private collections.

Archambeault is a former Peace Corps Volunteer to the Philippines and holds a B.A. in Communications from Duquesne University in Pennsylvania.

More information about his work is available on his website (<http://www.jamesarchambeault.com/>).



NCUR® Student Art Reception

Thursday, April 3

4:00pm–6:00pm

*TUSKA Center for Contemporary Art
Fine Arts Building, room 108*

A catered reception celebrating the artwork of the NCUR® 2014 Fine Arts presenters from every school.

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Nutrition Registered Dietician Certificate
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Organizational Communication
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Psychology, General Experimental
Public Administration
Director of Pupil Personnel
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School Counseling
School Psychology
School Safety Endorsement
School Superintendent
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Events

Graduate and Professional School Fair

Thursday, April 3

1:00pm – 6:00pm;

Friday, April 4

8:00am – 11:30am

Memorial Coliseum Concourse

Explore over 120 graduate and professional school opportunities within the U.S. and internationally. Representatives will be available to talk with prospective students about higher education opportunities.

Participating Schools:

1F Council on Undergraduate Research
Washington, DC

2F Journal of Young Investigators
Baton Rouge, LA

3F National Science Foundation
Washington, DC

4F NCUR® 2015
Eastern Washington University
Cheney, WA

5F SMART Scholarship Program
Washington, DC

6F World Learning
SIT Study Abroad
Brattleboro, VT

1 A.T. Still University of Health Sciences
Kirksville, MO

2 Adelphi University
Garden City, NY

3 American University of the Caribbean School of
Medicine
Coral Gables, FL

4 Auburn University
Auburn, AL

5 Binghamton University
Binghamton, NY

6 Black Hills State University
School of Natural Sciences
Spearfish, SD

7 Boise State University
Biomolecular Sciences PhD Program
Boise, ID

8 Boise State University
Materials Science and Engineering
Boise, ID

9 Campbellsville University
Campbellsville, KY

10 Carnegie Mellon University
Heinz College
Pittsburgh, PA

11 Case Western Reserve University
Mandel School of Applied Sciences
Cleveland, OH

12 Chapman University
Orange, CA

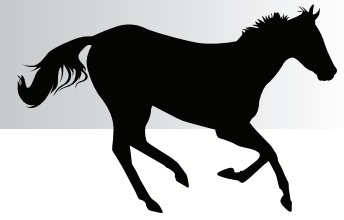
13 Cleveland Chiropractic College
Overland Park, KS

14 Coastal Carolina University
School of Coastal and Marine Systems Science
Conway, SC

15 Des Moines University
Des Moines, IA

16 Dominican University of California
San Rafael, CA

Events



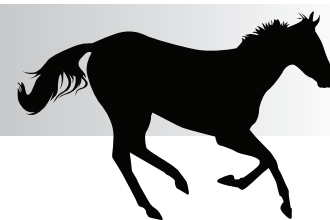
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|----|---|----|--|
| 17 | Drexel University
School of Public Health
Philadelphia, PA | 30 | Liberty University
Lynchburg, VA |
| 18 | Eastern Washington University
Cheney, WA | 31 | Loyola Marymount University
Los Angeles, CA |
| 19 | Emporia State University
Emporia, KS | 32 | Marquette University
Milwaukee, WI |
| 20 | Evergreen State College
Graduate Program on the Environment
Olympia, WA | 33 | Mayo Clinic
Rochester, MN |
| 21 | Florida International University
Miami, FL | 34 | Michigan Tech University
Peace Corps Masters International
Houghton, MI |
| 22 | George Washington University
Columbian College of Arts and Sciences
Washington, DC | 35 | Milligan College
Milligan College, TN |
| 23 | Hofstra University
Hempstead, NY | 36 | Morehead State University
Morehead, KY |
| 24 | Illiff School of Theology
Denver, CO | 37 | Murray State University
Murray, KY |
| 25 | Indiana University
Graduate School
Bloomington, IN | 38 | National College of Natural Medicine
Portland, OR |
| 26 | Indiana University
School of Education
Bloomington, IN | 39 | New Mexico State University
Las Cruces, NM |
| 27 | Iowa State University
Ames, IA | 40 | New York University
Polytechnic School of Engineering
Brooklyn, NY |
| 28 | Kansas City University of Medicine and
Biosciences
KansasCity, MO | 41 | North Carolina State University
Raleigh, NC |
| 29 | Kentucky State University
Frankfort, KY | 42 | North Dakota State University
Fargo, ND |
| | | 43 | Northern Arizona University
Flagstaff, AZ |



Events

- | | | | |
|----|---|----|--|
| 44 | Northern Kentucky University
Highland Heights, KY | 57 | Salisbury University
Salisbury, MD |
| 45 | Ohio State University
College of Arts and Sciences
Columbus, OH | 58 | Scripps Research Institute
LaJolla, CA |
| 46 | Ohio State University
College of Public Health
Columbus, OH | 59 | Shippensburg University
Shippensburg, PA |
| 47 | Oklahoma State University
Stillwater, OK | 60 | Southern Illinois University
Carbondale, IL |
| 48 | Penn State College of Medicine
Biomedical Sciences Graduate Programs
Hershey, PA | 61 | St. Johns University
Queens, NY |
| 49 | Portland State University
Portland, OR | 62 | Sullivan University
Louisville, KY |
| 50 | Purdue University
WestLafayette, IN | 63 | Syracuse University
College of Engineering and Computer Science
Syracuse, NY |
| 51 | Rensselaer Polytechnic Institute
Troy, NY | 64 | Texas Tech University
Lubbock, TX |
| 52 | Rosalind Franklin University of Medicine and Science
School of Graduate and Postdoctoral Studies
North Chicago, IL | 65 | Texas Tech University Health Sciences Center
Graduate School of Biomedical Research
Lubbock, TX |
| 53 | Rosalind Franklin University of Medicine and Science
Strategic Enrollment Management
North Chicago, IL | 66 | University of Alabama
Tuscaloosa, AL |
| 54 | Ross University School of Medicine
NorthBrunswick, NJ | 67 | University of Arkansas
Fayetteville, AR |
| 55 | Rutgers University - Camden
Graduate School of Arts and Sciences
Camden, NJ | 68 | University of California - Berkeley
Haas School of Business PhD Program
Berkeley, CA |
| 56 | Saint Louis University
St. Louis, MO | 69 | University of California San Diego
LaJolla, CA |
| | | 70 | University of Central Florida
Orlando, FL |

Events



- | | | | |
|----|--|----|---|
| 71 | University of Central Lancashire
Centre for Research Informed Teaching
Lancashire, United Kingdom | 83 | University of Kentucky
College of Law
Lexington, KY |
| 72 | University of Cincinnati
Graduate School
Cincinnati, OH | 84 | University of Kentucky
College of Medicine
Lexington, KY |
| 73 | University of Cincinnati
McMicken College of Arts and Sciences and
College of Engineering
Cincinnati, OH | 85 | University of Kentucky
College of Nursing
Lexington, KY |
| 74 | University of Idaho
Moscow, ID | 86 | University of Kentucky
College of Pharmacy
Lexington, KY |
| 75 | University of Illinois
Human and Community Development
Urbana, IL | 87 | University of Kentucky
College of Social Work
Lexington, KY |
| 76 | University of Illinois
School of Labor and Employment Relations
Champaign, IL | 88 | University of Kentucky
Graduate School
Lexington, KY |
| 77 | University of Kentucky
College of Arts and Sciences
Lexington, KY | 89 | University of Louisville
Integrated Programs in Biomedical Sciences
Louisville, KY |
| 78 | University of Kentucky
College of Communication and Information
Lexington, KY | 90 | University of Maryland Baltimore
Baltimore, MD |
| 79 | University of Kentucky
College of Design
Lexington, KY | 91 | University of Maryland School of Medicine
Graduate Program in Life Sciences
Baltimore, MD |
| 80 | University of Kentucky
College of Engineering
Lexington, KY | 92 | University of Michigan
School of Information
Ann Arbor, MI |
| 81 | University of Kentucky
College of Fine Arts
Lexington, KY | 93 | University of Minnesota
Graduate School and
Biomedical Sciences Graduate Programs
Minneapolis, MN |
| 82 | University of Kentucky
College of Health Sciences
Lexington, KY | | |

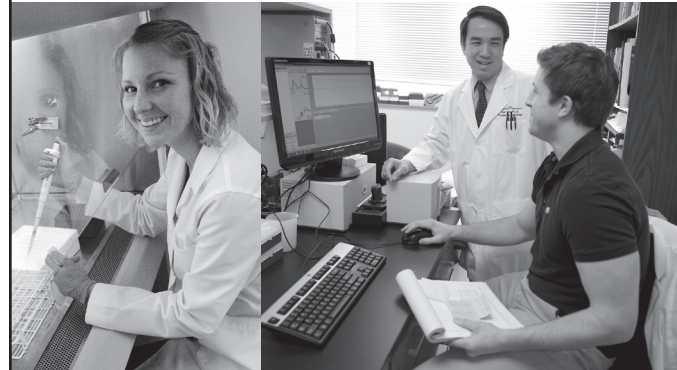


Events

- 94 University of Mississippi
Oxford, MS
- 95 University of Missouri
Columbia, MO
- 96 University of North Carolina Chapel Hill
Chapel Hill, NC
- 97 University of North Carolina Charlotte
Data Science and Business Analytics
Charlotte, NC
- 98 University of North Dakota
GrandForks, ND
- 99 University of North Texas
Denton, TX
- 100 University of Notre Dame
Notre Dame, IN
- 101 University of Oregon
Planning Public Policy Management
Eugene, OR
- 102 University of Pittsburgh
School of Health and Rehabilitation Sciences
Pittsburgh, PA
- 103 University of Pittsburgh
School of Nursing
Pittsburgh, PA
- 104 University of Pittsburgh
School of Public Health
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- 105 University of Pittsburgh
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Pittsburgh, PA
- 106 University of Saskatchewan
Saskatchewan, Canada

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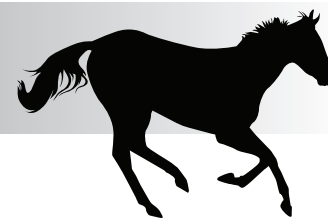
Master of Science in
Biomedical Sciences

Master of Science in Anatomy

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Events



- 107 **University of South Carolina**
School of Library and Information Science
Columbia, SC
- 108 **University of Southern California**
Viterbi School of Engineering
Los Angeles, CA
- 109 **University of Tennessee**
College of Agricultural Sciences and Natural
Resources
Knoxville, TN
- 110 **University of Texas at Arlington**
Arlington, TX
- 111 **University of the Sciences**
Philadelphia, PA
- 112 **University of Tulsa**
Tulsa, OK
- 113 **University of Wisconsin Milwaukee**
Milwaukee, WI
- 114 **Van Andel Institute**
GrandRapids, MI
- 115 **Washington University in St. Louis**
St.Louis, MO
- 116 **Wayne State University School of Medicine**
Biochemistry Molecular Biology and
College of Engineering
Detroit, MI
- 117 **West Chester University**
WestChester, PA
- 118 **West Virginia University**
Graduate Enrollment and College of Engineering
Morgantown, WV
- 119 **Western Kentucky University**
Bowling Green, KY
- 120 **Western State Colorado**
Environment and Sustainability
Gunnison, CO

Career Gallery

Friday, April 4

12:00pm-6:00pm

Memorial Coliseum Concourse

We are excited to introduce the inaugural Career Gallery, NCUR®'s first job fair. Representatives will be available to speak to employers about career options. For the most up-to-date information, please visit our website.

#NCUR2014

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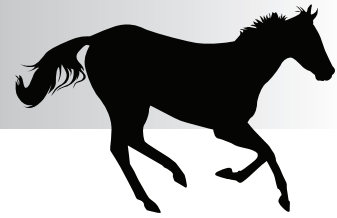


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RECRUITMENT

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Events



Student Interest Sessions

Student Interest Sessions are a new feature at NCUR® 2014, designed to provide practical information for students, especially those nearing graduation.

Topic	Day	Time
The Graduate School Application Process	Thursday, April 3	2:00pm-3:00pm
Speed Networking (meet other students)	Thursday, April 3	3:30pm-4:30pm
A Successful Transition from College to the Workplace	Friday, April 4	9:00am-10:00am
Pre-Professional Student Panel	Friday, April 4	10:30am-11:30am
Panel Discussion with American Physiology Society	Friday, April 4	10:30am-11:30am

Thursday, April 3

2:00pm-3:00pm

Graduate School: The Application Process and What to Ask During Interviews

Student Center, Room 230

Please come and learn about procedures and hints for applying to graduate and professional degree programs from current admissions officers.

Thursday, April 3

3:30pm-4:30pm

Speed Networking

Student Center, Room 230

NCUR® is an amazing opportunity both to present your own work and to connect with other student researchers from across the country. This session allows participants to make the most of their time by connecting with many colleagues. This fun, interactive session will pair students for brief introductions and lively conversations. In an hour you can have new connections at colleges and universities from coast to coast!

Friday, April 4

9:00am-10:00am

Successful Transition from College to Career

Student Center, Room 230

Whether your ambition is to become the CEO of a Fortune 500 company, a scientist, or leading industry expert, or inventing the next computer processor, “Successful

Transition from College to Career” will provide smart advice on how to establish yourself as a successful professional. Join two dynamic speakers as you receive a crash course on how to leverage your intelligence, education, and values to succeed in a global workforce.

Friday, April 4

10:30am-11:30am

Pre-Professional Student Panel

Student Center, Room 230

This Q&A session will feature a number of students who recently entered graduate and professional programs. Come network with your peers and hear from students who recently completed their Bachelor’s degrees. Bring your questions about applying to graduate and professional programs, navigating the process, and what to expect at the next level.

Friday, April 4

10:30am-11:30am

Panel Discussion with American Physiology Society Professionals

Student Center, Room 206

The developmental, physiological and neurological fields of biology are making ground-breaking discoveries at a rapid pace. In this session, Dr. Ken Campbell (moderator), Dr. Hollie Swanson, Dr. Moriel Vandsburger, and Dr. Yvonne Fondyfe-Mittendorf, will share their educational pathways and recommendations for undergraduate students thinking of pursuing a career in this area.



Faculty-Administrator Network (FAN) Sessions

FAN Session 1 - Thursday, 12:30pm-1:30pm

Student Center, Room 111

Community-Based Research: The design process: the similarities between graphic design research and formal research

Presenter: Dan Paulus

Student Center, Room 115

Mentoring Undergraduate Researchers: "Individual and institutional mentoring of undergraduate students in research"

Presenters: Julius M Kitutu, M.O. Thirunarayanan & Ms. Joliette Re

Student Center, Room 205

Assessment and Undergraduate Research: Transforming the Classroom into a Learning Experience

Presenters: Kevin Shorner-Johnson & David K. Palmer

Student Center, Room 206

Scaffolding Research across the Curriculum: Models and Strategies for Increasing UR Experiences in Teacher Education Programs

Presenters: Simone DeVore, Kymberly Drawdy, Ruth Palmer & Dennis Munk

Student Center, Room 228

Global Undergraduate Research: Enhancing Knowledge through Global Undergraduate Research and Training

Presenters: Fatme Al Anouti, Karen Clay, Terezinha Cássia de Brito Galvão, 'Dimeji R. Togunde & Johnnella E. Butler

Student Center, Room 230

Integrating Research into the Curriculum: Case Studies From Across the Campus at The University of the South

Presenters: Robert E. Bachman, Jeffery P. Thompson & Kelly J. Whitmer

Student Center, Room 231

Engaged Learning: From Stupeo to Studeo: Engaged Learning and Undergraduate Research in History

Presenter: Sasha Pursley

Student Center, Room 249

Scaffolding Research Across the Curriculum: 3 Courses, 3 Rubrics, Endless Possibilities

Presenters: Lyn C. Howell, Angela Hilton-Prillhart & Bert Allen

FAN Session 2 - Friday, 8:00am-9:00am

Student Center, Room 111

Scaffolding Research across the Curriculum: Case Studies in Departmental Rethink and Redesign

Presenters: Geri Paterson, Tricia Rachfall & Aaron P. Boesenecker

Student Center, Room 113

Integrating Research into the Curriculum: Integrating an Undergraduate Research Project into Several Courses

Presenter: Robb Sinn

Student Center, Room 205

Mentoring Undergraduate Researchers: Productive methods for mentoring undergraduate research projects outside of the natural sciences

Presenters: Alice Louise Kassens, Michael Enz, Elizabeth A. Holbrook & Julie Lyon

Student Center, Room 206

Keeping Current with CUR: New Developments in the International Undergraduate Research Movement

Presenters: Council on Undergraduate Research National Office Staff

Student Center, Room 228

Engaged Learning: Incorporating Formal Research Presentation into Senior Capstone

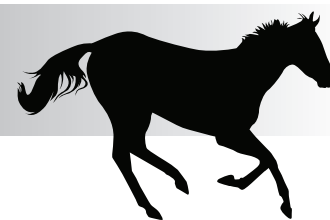
Presenter: Kayleen Islam-Zwart

Student Center, Room 231

Tenure & Promotion: Determining How to Describe Undergraduate Research in a Clear and Equitable Way for Rank and Tenure Decisions

Presenters: Chad M. Scholes & Lisa Felzien

Events



Student Center, Room 249

Community-Based Research: Bridging the Gap: A Sustainable Model for Funding and Retaining a Research Coordinator?

Presenter: Rebecca M. Erickson

FAN Session 3 - Friday, 12:30pm-1:30pm

Student Center, Room 111

Assessment and Undergraduate Research: Developing a plan for assessment and utilizing tools to maximize impact and ensure high-quality research experience for undergraduates

Presenters: Rose E. Constantino, Randolph Hollingsworth & Chris Thuringer

Student Center, Room 115

Integrating Research into the Curriculum: Research to Practice: Developing and Applying Research Knowledge and Skills from the Undergraduate Student Perspective to Community Based Issues

Presenters: Laura Ellis-Lai, Madalienne Peters & Alejandra Vazquez

Student Center, Room 205

Scaffolding Research across the Curriculum: From Freshman to Seniors: Two Approaches for Incorporating Research into all Levels of the Biology Curriculum

Presenters: Bernadette J. Connors, Nathan Reyna, Ruth Plymale & Lori Hensley

Student Center, Room 206

Community-Based Research: Empowering Student Participation in Experiential Learning using Mapping Technologies and the Community-Based Participatory Research Model

Presenters: Christopher Magno, Aidan Frombach, Adam Kalivoda, Elizabeth A. Holbrook & Julie S. Lyon

Student Center, Room 228

Student Development and Undergraduate Researchers: Handle With Care: The Midadolescent Undergraduate Researcher

Presenters: Beth Polin, Alison M. Dachner, Steven Bonner & Brandon Fredenburg

Student Center, Room 230

Broadening Participation in Undergraduate Research: Maximizing Student Experiences in Undergraduate Research with Diverse Students and Community-Based Studies

Presenter: Ruby H.N. Nguyen

Student Center, Room 231

Global Undergraduate Research: International Experiences in Undergraduate Research

Presenters: Qingwen Dong & Isabelle Lagadic

Student Center, Room 249

Interdisciplinary Studies and Undergraduate Research: Writing and statistics: two vehicles for organizing a sustainable center for applied interdisciplinary undergraduate research

Presenters: Paul Roback, Nancy G. Barron & Sibylle Gruber



At Hofstra University, pride & purpose is about small class sizes, flexible schedules, exciting and challenging programs and dedicated faculty that help you receive a graduate education grounded in reality with a foundation in exceptional scholarship. And, it's about experiences and campus opportunities that give you an edge when it comes to your career.

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Tuesday, June 10, July 15, and August 12

All events begin at 6 p.m.
Visit hofstra.edu/grad-day for more information.

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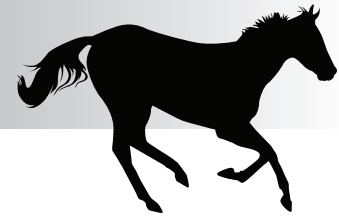
TOMMOROW'S INNOVATIONS START WITH TODAY'S GENERATION

As a technology company, Lockheed Martin recognizes the importance of education, specifically research in the areas of Science, Technology, Engineering and Mathematics (STEM). Undergraduate research enhances a student's academic experience and fosters skills that are critical to preparing them for 21st century careers. That's why we're proud to support The University of Kentucky at the 28th National Conference on Undergraduate Research.

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Events



Departmental Open Houses

Thursday, April 3

4:00pm-6:00pm

UK will throw open the doors to some of its most interesting research labs, studios, and facilities and UK faculty and students will be on hand to dazzle you with mind blowing demonstration, fascinating exhibitions, and scintillating discussions about the cutting-edge and unique research being done at UK. Transportation between open house events will be provided. For the most up-to-date information, please visit our website. *See map.*

Anatomy (Non-human Primate Comparative Morphology Labs)

Map Number 15: UK Chandler Medical Center, MN 221

- View and touch non-human primate cadavers (gorillas, monkeys, lemurs and more)
- Learn about how paleontologists use the bones, muscles and sensory organs of our close relatives to learn more about primate and human evolution
- See demonstrations of computer based 3D morphometric shape analysis, muscle fiber architecture analysis, histological studies of primate sensory structures and gross anatomical dissections of our closest relatives – the primates!

Athletics

Map Number 1: Joe Craft Center

Tour UK's state of the art athletic training centers and see where the Wildcats live!

Biology

Map Number 8: Thomas Hunt Morgan Building

- Learn about how live pine sawflies can tell us about speciation events
- View zebrafish embryos at different stages of development with a stereomicroscope
- Explore the role of larval lampreys in studies of vertebrate evolution

Center for Clinical and Translational Science (CCTS)

Map Number 11: Center for Clinical and Translational Science, C-344, Kentucky Clinic

- Explore ongoing CCTS research and learn about research training opportunities
- Tour out-patient and in-patient clinical facilities
- Tour the clinical laboratory facilities

College of Fine Arts

Map Number 18 : Fine Arts Building

- Students rehearse for the upcoming musical "Joseph and the Amazing Technicolor Dreamcoat" in the Guignol Theater, Room 127
- Join Professor Susie Thiel for a dance rehearsal in the University of Kentucky Dance Studio
- Enjoy the sounds of the University of Kentucky Jazz Ensemble under the direction of Miles Osland in Rm.22
- Celebrate the artwork of NCUR® presenters at a Student Art Exhibition, TUSKA Center for Contemporary Art, Room 107; catered reception

Computer Science

Map Number 3: Marksbury Building

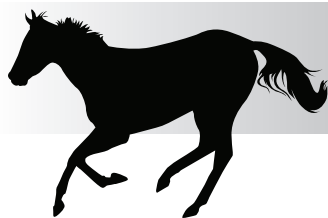
- Learn about inexpensive immersive environments (Flight simulator projected onto a 3-sided, immersive screen)
- View demos of rapid 3D scanning and create a 3-D model of a person in just a few seconds of standing still!
- Explore the potential of 3D printing and view objects created using this technology
- Learn about iris recognition and biometric authentication, even through glasses and sunglasses!

Creative Writing Oulipo Workshop

Map Number 2: Little Library

Oulipo is a loose gathering of (mainly) French-speaking writers and mathematicians who seek to create works using constrained writing techniques. Participants will have a chance to learn about and apply several of these techniques:

- The N 7 exercise
- The false translation exercise
- The lipogram exercise



Departmental Open Houses (cont.)

Electrical and Computer Engineering

Map Number 4: ASTeCC 45

- View demonstrations of environmental scanning electron microscopy and nanoscale 3D printing
- Explore small space craft development and International Space Station payloads
- Learn about computer development and how supercomputing can be made cheap using clusters and GPUs including demonstrations of computational photography

Environmental Earth Science and Geology

Map Number 9: Slone Building

- Visit the Stable Isotope analysis laboratory and use mass spectrometry to determine stable isotope ratios for paleoclimate analysis
- View tiny grains in lava in the petrographic microscopy labs and then Visit the Electron Microprobe Lab to view the tiny grains in the tiny grains in lava
- Tour the Sedimentary Environmental and Radiochemical Research Laboratory

Environmental Research and Training Lab

Map Number 6: Raymond Building, C340

- Tour the entire facility, learn about each of the scientific instruments (ICP, GC-MS, LC-MS, Real-Time PCR, and many others), and learn about ERTL research.
- Analyze heavy metals in water samples from area streams by inductively coupled plasma optical emission spectrometer (ICP-OES).
- Examine water samples from area streams for E.coli bacterial concentrations to determine the impact of leaking sanitary sewers and storm sewer overflows.

Linguistics

Map Number 2: Little Library

- Explore how English is related to many of the world's languages (e.g. Russian, French, Hindi)
- Learn about perceptual dialectology
- Demonstrations of field linguistic methodologies
- Demonstrations of grammatical modeling
- Learn about language typology

Magnetic Resonance Imaging (MRI) in Humans and Small Animals

Map Number 14: Whitney Hendrikson Building, basement

- Observe a cardiac MRI in a human
- Observe a cardiac MRI in a mouse
- Observe a functional brain MRI in a human
- Learn about MRI 'physics tricks' (floating paperclips!) and the strength of the magnetic field

Modern and Classical Languages, Literatures and Cultures workshop (Borders: Discovering Global Culture)

Map Number 2: Little Library

Digital and poster presentations of senior thesis research by MCL majors (Arabic, Chinese, Classics, French, German, Japanese, Russian) and their mentors. Students and mentoring faculty will demonstrate and discuss their findings on topics as wide ranging as the definition of culture and identity to how language is acquired, from ancient myth in the contemporary film to literary analysis of the graphic novel.

Molecular and Biomedical Pharmacology

Map Number 16: CT Wethington Building, 1st floor lobby

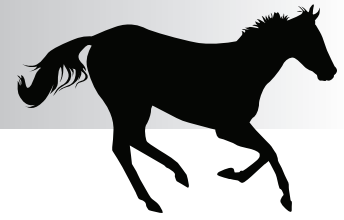
- Learn how blood flow and renal pressure is measured in rats and how they respond to androgenic agonists
- Observe how electrical activity of the heart is recorded in anesthetized experimental animals.
- Explore how learning and memory is evaluated in rats using a Morris water maze

Nutritional Science

Map Number 17: Biomedical/Biological Research Sciences Building, 2nd floor

- Learn about obesity and obesity related research at UK
- Measure blood pressure, body composition and metabolic parameters in mice
- Learn how the impacts of exercise on health and disease is studied in mice

Events



Pharmaceutical Sciences

Map Number 12: Pharmacy Building, 1st floor

- Prepare a Pluronic Lecithin Organogel (PLO) for transdermal medication delivery in a fictional patient
- Learn about the practical application of camphor and menthol ointments
- Explore the tools and approaches used in natural product drug delivery
- Learn about drug interaction and methods used to assess the number of receptors

Physics and Astronomy Lab

Map Number 7: Chemistry-Physics Building, CP394

- Tour the intermediate energy/nuclear physics labs and see the van de Graaf accelerator
- Visit the MacAdam observatory
- View magnetic resonance, Compton scattering, X-ray diffraction, and photoelectric effect demonstrations
- Visit the condensed matter research labs

Sanders-Brown Center on Aging/Alzheimer's Disease Center

Map Number 13: Sanders-Brown Building

- Learn about how tauopathies like Alzheimer's disease occur, tour the tissue culture hood and examine GFP expressing cells
- Examine human brains under a microscope and learn about Alzheimers and age related changes in the brain
- Participate in neuropsychological testing exercises
- Learn about the relationship between Alzheimer's disease and Down Syndrome

UK Aerospace

Map Number 5: College of Engineering, Quadrangle Courtyard

- Learn about NASA internships and career opportunities
- View CubeSat satellite engineering models presented by the UK Space Systems Lab (KySat-2 flight model scheduled for launch Nov 19, 2013)
- Learn about unmanned Aerial Vehicles
- View demos of alloy samples and machining results
- Explore spacecraft thermal protection systems simulations

William T. Young Library Archives

Map Number 10 : William T. Young Library

- View a demonstration on the use of digital publishing tools in the creation of multimedia specific to 'Immigration in Appalachian, Kentucky'
- Explore library movie holdings for an historically accurate perspective on Hollywood
- Learn more about the OHMS cataloging system and Kentucky's oral history

William T. Young Library Research Facilities

Map Number 10: William T. Young Library

Come and see active learning spaces in action, with mediascape demos, interactive classroom polling, and research assistance methods. Multiple demonstrations using the technology in creative ways.

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Events

Rock with the RockKats

Thursday, April 3

10:00pm-11:00pm

Triangle Park, Downtown Lexington



Top off your Thursday evening with a free concert by UK's RockKats!

At 9:30pm on Thursday, April 3 in downtown Lexington's Triangle Park, the University of Kentucky rock ensemble, the RockKats, will give a free 1-hour, outdoor concert (weather permitting).

The RockKats are UK's brand-new rock/pop band, one of the first university-sponsored rock/pop bands in the nation. Including both music and non-music majors, the group is bringing a new sound and face to the UK School of Music and College of Fine Arts with the music of the Blues Brothers, Michael Jackson, Wilson Pickett, Stevie Wonder, Aretha Franklin, Adele, Pink Floyd, and many others.

Directions:

If you are attending the dinner, immediately after, just follow the crowd from the Bluegrass Ballroom down one floor and out the front doors to enjoy the music!

If you are not attending the Plenary dinner with Kris Kimmel at the Lexington Center, you can still walk (see maps), take a shuttle bus, or hop in a cab from the university or your hotel, and join us at Triangle Park for the concert. Bring your friends, and "Roc" out!



C.A.T. Crawl

Friday, April 4

6:00pm-9:00pm

The Cuisine Around Town (C.A.T.) Crawl offers NCUR® registrants discounted meals on Friday, April 4. Look for the NCUR® logo in the window of participating local restaurants and show your NCUR® badge to receive up to 25% off your meal from 6:00pm-9:00pm.

**Tickets are not required for the C.A.T. Crawl. Following the C.A.T. Crawl, the evening's ticketed event will be the "Sundy Best" concert.*

Participating Restaurants:

Bangkok House

275 Avenue of Champions

Jefferson Davis Inn

319 Cedar St.

Local Taco

315 S. Limestone St.

Mellow Mushroom

503 S. Upper St.

Puccini's Smiling Teeth

833 Chevy Chase Pl.

Raising Cane's

544 S. Upper St.

Sav's Grill

304 S. Limestone St.

Sav's Chill

304 S Limestone St.

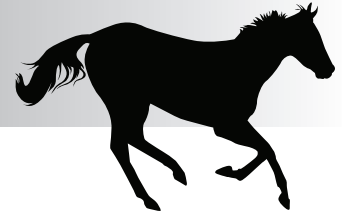
Shakespeare and Co.

367 W. Short St.

Tin Roof

303 S. Limestone St.

Ticketed Events



“Big Ideas Start at Crazy: Creativity and Innovation for the Future”

Thursday, April 3

6:30pm-9:30pm

Lexington Center Bluegrass Ballroom



Sponsored by Gallatin Steel (see ad below)

Kris Kimel, CEO and Founder of KY Space, KY Science and Technology Center, and IdeaFestival, will talk about creativity and innovation for the future. The dinner menu will feature popular Kentucky menu items with locally-sourced ingredients.

Be sure to catch the RocKats in Triangle Park, after the dinner!

Sundy Best Concert

Friday, April 4

9:00pm-11:00pm (doors open at 8:00pm)

The Grand Reserve, 903 Manchester St.

Sundy Best is a rising duo residing in Lexington, KY and is said to “craft music that re-imagines timeless classic rock of the ‘70s and ‘80s.” The use of the cajon, a box-shaped percussion instrument originally from Peru and a combination of both music and stories behind their songs is part of what gives *Sundy Best* its distinctive sound. With hints of country and bluegrass, lifelong friends, Nick and Kris, started as a bar band, and have been featured on the popular television station, CMT, and have performed at the Grand Ole Opry. Shuttles provided, see transportation.





Excursions

Must be 18 years or older. Lunch provided. All excursions will start loading buses Saturday, April 5 at noon. Buses will depart Lexington at 12:30pm. All excursions will return to Lexington between 5:00pm and 6:00pm. Transportation will be provided back to hotels if needed. See transportation for shuttle information.

Tour 1 – Horses, Hooch & History



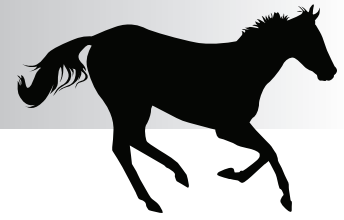
Experience a little of each of Kentucky's signature industries, horses AND bourbon, with this popular tour. The first stop will be one of our signature Thoroughbred farms for a private walking tour. Then it is on to one of Kentucky's famous bourbon distilleries, producers of "America's ONLY Native Spirit." Here you will observe the art of bourbon-making being practiced much as it was 200 years ago. Experience for yourself the time-honored process of making fine bourbon, and learn why only Kentucky has the perfect natural mix of conditions and climate to produce the best bourbon. Guests will enjoy a delicious box lunch as they board the coach.

Tour 2 – Kentucky Horse Park (Horseback Riding)



Visit the Kentucky Horse Park, home of the 2010 Alltech World Equestrian Games! The Kentucky Horse Park is the only park dedicated to human's relationship to the horse. Kentucky Horse Park admission includes the world renowned International Museum of the Horse, an affiliate of the Smithsonian Institution, the American Saddlebred Museum - the Showplace for Saddlebreds. See and learn about different horses during the Parade of Breeds. The day also includes horseback riding. Ride along the trails of the scenic Kentucky Horse Park as you are guided by professionals. Guests will enjoy a delicious box lunch as they board the coach.

Excursions



Tour 3 – Red River Gorge Zip Line



Take a trip to the Red River Gorge, a favorite spot for thrill seekers in Kentucky! This professionally guided tour takes you across 5 separate zip lines 300' above the Gorge at speeds up to 55 MPH. As part of your tour you will get to experience and walk across 4 unique canopy bridges. You will quickly see why this is Kentucky's most exhilarating Zip line Tour and part of Kentucky's Zip line Trail "Zip the Bluegrass". Guests will enjoy a delicious box lunch as they board the coach.

Tour 4 – A Day at the Races



Spend the day watching and wagering at picturesque Keeneland Race Track. Experience live racing from your Reserved Grandstand seating, covered in case of inclement weather. While there you'll be able to bet on and see live some of the world's best Thoroughbreds, jockeys and trainers. By the end of the day you'll see why Lexington is known as the Horse Capitol of the World! Guests will enjoy a delicious lunch as they board the coach.



University Policies

Emergency Procedures

Per the University of Kentucky Fire Marshal, each attendee must be aware and adhere to the following procedures in the event that a building's fire alarm is activated.

Automatic and complete evacuation is required any time a fire alarm is activated prior to each session you will be instructed as to a meeting place outside the facility.

Always know at least two directions of escape. As you enter into any facility, take notice of exit signs and stairwells. Always keep in mind that the path you took into the facility may be blocked and you may need to take a different path out of the building. Elevators shall not be used for exiting a building once the fire alarm is activated.

Never go toward smoke. If you encounter smoke while exiting, turn around and go the opposite direction. If you encounter smoke in a stairwell, get out of that stairwell and find another path out. The University of Kentucky Police Department and its Division of Crisis Management & Preparedness urge visitors to stay informed during their visit to campus and offer several mechanisms in which to do so.

In the event of an emergency, dial 9-1-1 from any campus phone, or dial #UKPD (#8573) from a cell phone. UK has a state-of-the-art comprehensive security management system which includes, among other things, video cameras and increased early warning communication capabilities. Recent installations include 26 new wide-area outdoor emergency notification towers across campus. This multi-faceted, high-tech system includes wide-area audio broadcast capabilities in the event the campus community needs to be notified of a threat to campus safety or inclement weather. The emergency notification towers, which include emergency phone access at the push of a button, will be illuminated at all times during the night and flash during times of emergency. In the event of a campus incident or weather warning that requires immediate action by the campus community; emergency messages will be relayed through these outdoor speakers.

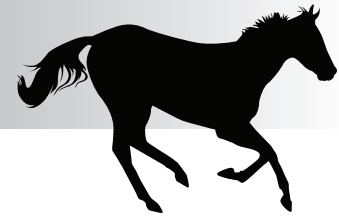
When there is an emergency situation that requires immediate action or when a crime has been reported that represents a threat to the campus community, a UK Alert and/or Campus Crime Bulletin is issued.

UK Alert: An emergency notification issued only when immediate action is required, such as the need to seek shelter or when there is a significant disruption to campus operations. Examples include: Active shooter, hazardous material spill, tornado warning, etc. Parents, media, visitors, and other interested parties may register for UK Alert on a voluntary self-subscription basis by adding contact information such as mobile numbers in order to receive voice calls and/or text messages and personal emails. You must register in order to receive notifications.

UK Alert delivers messages to subscribers on a "best effort" basis to the devices registered by each user. As such, it is a personalized service designed to complement the other communication tools already used by the university to advise the campus community during emergencies. In addition to the mechanisms listed previously, UK Alerts are posted to the university website, social media (Facebook & Twitter), distributed to local news outlets, and Time Warner Cable channels 16 and 219.

Campus Crime Bulletin: Crime Bulletins are issued when a crime is reported or brought to the attention of UK Police, and that crime represents a threat or on-going danger to the safety of the campus community. Immediate action is not necessarily required, but the information contained in the Crime Bulletin is still deemed important and pressing. Crime Bulletins will be distributed as soon as possible after the incident is reported; however, the release is subject to the availability of accurate facts concerning the incident. Crime Bulletins are issued for any "Clery" crime committed on "Clery" geography in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act of 1998. They are distributed via broadcast emails, posted on the UK Website, provided to local media and flyers are printed and distributed to any number of areas on campus based upon the nature of the event.

University Policies



The UK 2012 Annual Campus Safety and Security Report includes the latest statistics for 2012, as well as statistics from 2010 and 2011 concerning reported crimes that occurred on campus; in certain off-campus buildings owned or controlled by UK; and on public property immediately adjacent to campus. The report also includes institutional policies concerning campus security, such as policies concerning sexual assault and other matters. If you would like a printed version of the report or if you have any questions, please contact UKPD's Division of Crisis Management and Preparedness at (859) 257-9567 or cmp@uky.edu.

Cat's Path is comprised of a series of recommended walking routes that span central campus and provide the University of Kentucky community with a convenient method of traversing campus on a network of popular paths. The routes were specifically chosen due to their frequent use and accessibility to major campus destinations. Marked with highly visible signage and paw print ground logos, the Cat's Path is patrolled frequently by University Police, both on foot and in special police golf carts. Students, faculty, staff and guests are encouraged to choose these routes when crossing campus, particularly during hours of limited visibility. The paths are not designed to replace current personal safety efforts, such as traveling in groups and remaining alert; however, the increased police presence and path improvements will provide one more tool in your personal safety arsenal.

Cats Cruiser is a UK Student Government service in partnership with Lextran that offers late night transportation service consisting of four fixed bus routes that circulate approximately every 20-30 minutes. Non-students can take advantage of this service for \$1 per ride. This service runs on Thursday, Friday and Saturday nights from 10:00pm– 3:00am. Route maps are available for download at lextran.com/route-maps/uk-students.

The Campus Area Transit System (CATS) offers eight campus bus and shuttle routes including an on-demand service Sunday – Friday with hours that vary by day and is limited to UK's campus. Call (859) 221-RIDE for pick-up. You may also track CATS buses in real time using TransLoc while remaining in a safe location until the bus arrives. Visit UK's Parking & Transportation Services for more information.

For more information, please visit <http://www.uky.edu/Police/> and <http://www.uky.edu/EM/>.

Alcohol Policy

The possession and consumption of alcoholic beverages is controlled by Kentucky statutes, city ordinances, and University regulations. All members of the University community are expected to obey these laws and regulations. (see <http://www.uky.edu/Housing/>)

Tobacco Policy

Use of tobacco products (cigarettes, e-cigarettes, cigars, snuff, snus, water pipers, pipes, etc.) is not permitted on any university property, including all campus grounds inside and out, parking areas, and student housing. Report violations to: ReportTFviolation@uky.edu

Tobacco-Free UK:

A Healthy Place to Live, Work and Learn

Please Respect Our Policy

Equal Opportunity

The University of Kentucky is committed to equal opportunity and nondiscrimination in all programs, events and services, regardless of economic or social status and does not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, marital status, age, veteran status, or physical or mental disability.

The University of Kentucky provides reasonable accommodation with adequate notice.

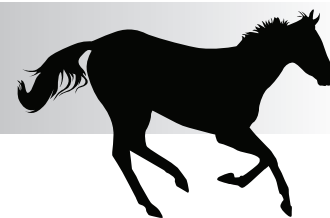


You love science and research?
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Visual Arts



Visual Arts Displays

The exhibition of work from our Visual Arts presenters will be on display in the TUSKA Center for Contemporary Art (Fine Arts Building, room 107) Thursday from 4:00pm-6:00pm and Friday from 9:00am-5:00pm. Each of the exhibitors has a corresponding oral presentation. Please check the schedule for Visual Arts sessions for times and locations.

Professional Courtesy

NCUR® offers an opportunity for participants to observe, learn and practice professional etiquette common to all disciplines. Presenters should remain in the room until all presentations in their sessions are complete. The other presentations may offer new insights, and all presenters deserve the same audience and respect.

Spectators to sessions should enter and exit oral and performing arts session rooms between (not during) presentations.

SESSION 1

Fine Arts Building 002

Art Studio

Thu 11:00am-11:20am

Nostalgia

Olivia Lasheen; University of Kentucky

Thu 11:20am-11:40am

Odocoileus Virginianus

Amber Eckersley; Coastal Carolina University

Thu 11:40am-12:00pm

Playing the Past: How Video Games Can Preserve the Disappearing Cultures of the World

Rachel Dehnel; University of Hartford

Fine Arts Building Briggs Theater

Art Studio

Thu 11:00am-11:20am

“Repoussé and Chasing in Small-Scale Sculpture: An Exploration of Interior and Exterior Spaces”

Sarah Davis; Bridgewater State University

Thu 11:20am-11:40am

Artist Statement

Acacia Macey; Westmoreland County Community College

Thu 11:40am-12:00pm

Atrocities at Sea

Jessica Lindemyer; College of Saint Benedict

SESSION 2

Fine Arts Building 002

Art Studio

Thu 2:00pm-2:20pm

Privacy and Self-Definition

Neta Ron; University of Wisconsin, Whitewater



Visual Arts

Thu 2:20pm-2:40pm

Raw Jewelry

Natalia Fernandes; University of Wisconsin- River Falls

Thu 2:40pm-3:00pm

Sight for Insight

Austin Weaver; Jacksonville University

Fine Arts Building Briggs Theater

Art Studio

Thu 2:00pm-2:20pm

Bending Gender

Nicole Pederson; University of Wisconsin- River Falls

Thu 2:20pm-2:40pm

CHURCHES

Elizabeth Williamson; Truman State University

Thu 2:40pm-3:00pm

Consumed Chemicals

Andrea Sorenson; University of Wisconsin- River Falls

SESSION 3

Fine Arts Building 002

Art Studio

Thu 3:30pm-3:50pm

Sixty Three Hundred and Five Miles

DJ Steinmetz; University of Wisconsin- River Falls

Thu 3:50pm-4:10pm

Snack Attack: Comical Paintings Exposing Hidden

Deceptions of the Modern Food Industry

Allison Fawcett; University of North Carolina, Asheville

Thu 4:10pm-4:30pm

Sonochromatism: The Color of Sound

Ashley Johnson; Concordia College, Moorhead MN

Fine Arts Building Briggs Theater

Art Studio

Thu 3:30pm-3:50pm

Discarded: An Exploration of Abandonment Through Film

Nicole Findley; Truman State University

Thu 3:50pm-4:10pm

Discover the Diversity through graphic design and marketing strategies.

Ninoska Nunez; Jacksonville University

Thu 4:10pm-4:30pm

Evolutionary Attraction, Freud, and Amnesia

Jena Thomas; Carthage College

SESSION 4

Fine Arts Building 002

Art Studio

Fri 9:00am-9:20am

Specimen A: "Otis"

Devin LaPlante; University of Wisconsin- River Falls

Fri 9:20am-9:40am

The Fabric of Humanity: Atonomous Region of Tibet

Tiffany Pankow; North Central College

Fri 9:40am-10:00am

The Fabric of Humanity: Through the White Man's Eyes

Tiffany Pankow; North Central College

Fine Arts Building Briggs Theater

Art Studio

Fri 9:00am-9:20am

Exhale

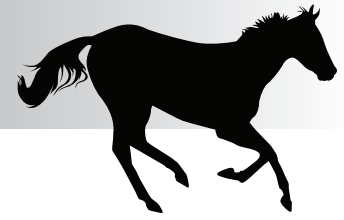
Roya Ramezankhani; University of Kentucky

Fri 9:20am-9:40am

Exploration: Past, Present, Future

Bridget Rowe; Dordt College

Visual Arts



Fri 9:40am-10:00am

Exploring the Physical Properties of Historical Photographs
Andrew Musil; University of Wisconsin, La Crosse

SESSION 5

Fine Arts Building 002

Art Studio

Fri 10:30am-10:50am

The Women of My Home: A Photographic Homage
Mia Pohlman; Truman State University

Fri 10:50am-11:10am

Unnoticed
Katy Spence; Truman State University

Fri 11:10am-11:30am

Vessels of Light: An Exploration of Porcelain and Life
Amanda Janes; Western Carolina University

Fine Arts Building Briggs Theater

Art Studio

Fri 10:30am-10:50am

H2O, an autobiography
Natalie Renier; University of Wisconsin, La Crosse

Fri 10:50am-11:10am

Hidden and Revealed: The Icelandic Landscape Explored Through Charcoal
Ian Wright; North Central College

Fri 11:10am-11:30am

Hiding in the light.
Jessica Whittington; University of Kentucky

SESSION 7

Fine Arts Building Briggs Theater

Art Studio

Fri 3:30pm-3:50pm

Hindeloopen Painting (from Hindeloopen, the Netherlands)
Brechtje Bennett, James Bennett; University of Wisconsin, La Crosse

Fri 3:50pm-4:10pm

In The Details
Heather Sims; University of Kentucky

Fri 4:10pm-4:30pm

Ink Diary
Alicia Gensch; University of Wisconsin- River Falls

Fine Arts Building 002

Interdisciplinary Studies

Fri 3:30pm-3:50pm

Apparelphernalia: Safety Clothing and Wearable Technology for Low Light & Active Persons
Jeremy Wall; NC State University

Fri 3:50pm-4:10pm

South of Opportunity: Honduran Migrants
Jessica Milligan; Dominican University of California

Fri 4:10pm-4:30pm

La Gente: Racial Diversity in Latin America
Angel Evans; Miami University

SESSION 8

Fine Arts Building Briggs Theater

Art Studio

Fri 5:00pm-5:20pm

Latinos in Green Agriculture Documentary
Joseph Lindner; University of Wisconsin, Milwaukee

Fri 5:20pm-5:40pm

Light and Time
Gina Ricciardelli; Western Carolina University

Fri 5:40pm-6:00pm

Liminal Landscapes: A Photographic Exploration
Amelia Holmes; Western Carolina University



Fine Arts Building 002

Music Research and/or Analysis

Fri 5:00pm-5:20pm

Inspired By "A Celebration of The Band Sublime"
Matthew Killen; Jacksonville University

Religious Studies

Fri 5:20pm-5:40pm

Islamic Geometrical Composition
Dan Risinger; University of Wisconsin- River Falls

Health Sciences & Public Health

Fri 5:40pm-6:00pm

The Impact of 'Confidence' on Nurse Practitioner Referral Rates for Diabetes and Tobacco usage
Brittany McBryde; University of Pittsburgh

SESSION 9

Fine Arts Building 002

Art Studio

Sat 9:40am-10:00am

Wildflower: The Branding of a Contemporary Lifestyle Boutique
Kaitlin Stewart; Jacksonville University

Fine Arts Building Briggs Theater

Art Studio

Sat 9:00am-9:20am

Mastering Milkweed: From Floss to Fashion
Megan Buysse; St. Catherine University, St. Paul

Sat 9:20am-9:40am

MI's-Education: The Study of Race and Fear
Zartavia Howard; University of Wisconsin, Whitewater

Sat 9:40am-10:00am

Northside
Melissa Carter; University of Kentucky

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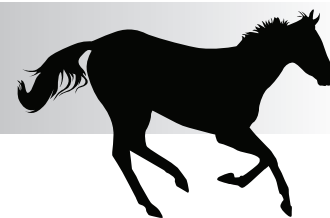
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Performing Arts



Performing Arts - Music, Dance and Theatre

Music, Dance and Theatre Performing Arts Sessions occur in the Singletary Center and the Student Center.

Professional Courtesy

NCUR® offers an opportunity for participants to observe, learn and practice professional etiquette common to all disciplines. Presenters should remain in the room until all presentations in their sessions are complete. The other presentations may offer new insights, and all presenters deserve the same audience and respect.

Spectators to sessions should enter and exit oral and performing arts session rooms between (not during)

SESSION 1

Singletary Center - Recital Hall

Dance

Thu 11:00am-11:20am

Cyclical Isolation: A Choreographic Study of Dependency, Isolation and Perpetual Motion

Hannah King, Madison O'Brian, Marissa Graha , Kelsey Schafe , Kelsey MacEachern, Hannah Kearney, Nicole Stone; George Mason University

Thu 11:20am-11:40am

Rumination

Emma Coombs; State University of New York, Brockport

Thu 11:40am-12:00pm

"A Voice Through Dance"

Bianca Gomez; University of Texas at El Paso

Singletary Center - Recital Hall

Dance Performance

Thu 2:00pm-2:20pm

A Wandering from Common Thought

Nicole Stephens; California University of Pennsylvania

Thu 2:20pm-2:40pm

Dance Loops, Golden Master: Duet with Live, Interactive Video Looping

Theatre/Drama

Thu 2:40pm-3:00pm

Les Putes de la Mer

Abby Schroering; University of Kentucky

Student Center - Center Theatre

English

Thu 2:00pm-2:20pm

You Could Drive a Person Crazy

Jonathan O'Neill; Fordham University

SESSION 2

Music Lecture Recital

Thu 2:20pm-2:40pm

Bells and Whistles: Train Representation in Contemporary Classical Music

Michelle Warshany; Elon University

Thu 2:40pm-3:00pm

Analyzing Nikolai Medtner's "Fairy Tales" as Shakespearean Adaptation

Alicia Wodarski; Bowling Green State University

SESSION 3

Singletary Center - Recital Hall

Dance Performance

Thu 3:30pm-3:50pm

Nobody Said Something

Kirstin Sylvester; University of Kentucky

Thu 3:50pm-4:10pm

Performing Self: The Intersection of Choreography, Improvisation, and Autobiography

Julie Crothers; Elon University

Thu 4:10pm-4:30pm

The Making of a Solo

Sarah Elardo; Brockport



Performing Arts

Student Center - Center Theatre

Music Original Composition

Thu 3:30pm-3:50pm

A Sojourn of Grief: Abstract

Meredith Green; Xavier University

Music Arranging

Thu 3:50pm-4:10pm

Pop is the New Jazz

Corrine Dowlin; Baltimore School of Massage

Music Original Composition

Thu 4:10pm-4:30pm

Commissioning Music: A Unique Process

Kimberly Liebergen, Emma McAlister; University of Wisconsin, Whitewater

SESSION 4

Singletary Center - Recital Hall

Music Lecture Recital

Fri 9:00am-9:20am

Frederic Chopin's First Ballade

Alexander Heinrich; Bridgewater State University

Fri 9:20am-9:40am

Dissecting the Kaleidoscope

Marina Lopez; Duquesne University

Fri 9:40am-10:00am

Double Stops from Beginning to Bach

Lisa Perfors; Eastern Illinois University

Student Center - Center Theatre

Music Performance

Fri 9:00am-9:20am

This is My Tuba: An Interactive Multi-Media Performance

Brett Copeland; University of Northern Iowa

Music Research and/or Analysis

Fri 9:20am-9:40am

A Rose by Any Name: Are All Editions of Music Created Equally?

Christopher Bosch; Bridgewater State University

Fri 9:40am-10:00am

Building Musical Instruments from Propane Tanks

Connor Shafran, Aaron Marsala; University of Kentucky

SESSION 5

Singletary Center - Recital Hall

Music Lecture Recital

Fri 10:30am-10:50am

Form and Narrative Meaning in Chopin's Ballade in G Minor

Molly Reid; Appalachian State University

Fri 10:50am-11:10am

Franz Liszt and the Battle Against Tonality

Wesley Rose; Elon University

Fri 11:10am-11:30am

Que viva el ritmo: Isaac Albeniz and Andalusian Musical Tradition

Nicole Payne Mota; Elon University

Student Center - Center Theatre

Music Research and/or Analysis

Fri 10:30am-10:50am

Contrasting Uses of Music During the Holocaust by Nazis Soldiers and Prisoners

Jennifer Drake; Bridgewater State University

Fri 10:50am-11:10am

Implementation of a Ten-Tone Equal Temperament System

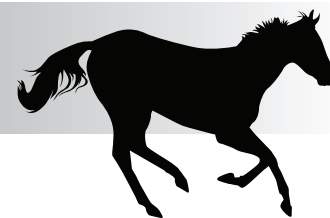
Andrew Gula; Duquesne University

Fri 11:10am-11:30am

The Fusion of Chinese and Western Musical Traditions

Jiaying Zhu; Bridgewater State University

Performing Arts



Singletery Center - Recital Hall

Music Lecture Recital

Fri 10:30am-10:50am

Form and Narrative Meaning in Chopin's Ballade in G Minor
Molly Reid; Appalachian State University

Fri 10:50am-11:10am

Franz Liszt and the Battle Against Tonality
Wesley Rose; Elon University

Fri 11:10am-11:30am

Que viva el ritmo: Isaac Albeniz and Andalucian Musical Tradition
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Student Center - Center Theatre

Music Research and/or Analysis

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Jennifer Drake; Bridgewater State University

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Implementation of a Ten-Tone Equal Temperament System
Andrew Gula; Duquesne University

Fri 11:10am-11:30am

The Fusion of Chinese and Western Musical Traditions
Jiaying Zhu; Bridgewater State University

SESSION 7

Singletery Center - Recital Hall

Music Lecture Recital

Fri 3:30pm-3:50pm

Reality versus virtual experience of war: Lecture recital on the opera War Without End
Jason Hoffmann; Duquesne University

Fri 3:50pm-4:10pm

Research in Performance: Period Performance Practice on the Baroque Trumpet
Jared Wallis; University of Kentucky

Fri 4:10pm-4:30pm

The pedagogical intentions and their application in Five Modern Pieces For The Viola, by composer Lanson W. Wells
Lanson Wells; University of North Carolina, Charlotte

SESSION 8

Singletery Center - Recital Hall

Music Performance

Fri 5:00pm-5:20pm

Songs of Jim Snidero: American Jazz Saxophonist
Emily Dickey; California University of Pennsylvania

Fri 5:20pm-5:40pm

Aaron Copland's Style As Seen In Three Songs From the Second Set Of Old American Songs
Marc Gutierrez; Abilene Christian University

Fri 5:40pm-6:00pm

The Significance of David Gillingham's "Marimba Concerto No. 2"
Kimberly Liebergen; University of Wisconsin, Whitewater

SESSION 9

Singletery Center - Recital Hall

Music Performance

Sat 9:00am-9:20am

Chamber Music as a Way to Rebuild Music Programs
Bianca Kue, Bryan Douglas, Anna Molloy, Kevin Rhodes, Riley Roberson; University of Wisconsin, Whitewater

Sat 9:20am-9:40am

Chronopolis
Chase Fleming; University of Kentucky

Sat 9:40am-10:00am

Researching Jazz through the Formal Analysis and Performance of Miles Davis' Birth of the Cool Album
Breslyn Jacobus, Andrew Baldwin, Bryan Douglas, David Farmer, Jenica Georgeson, Thomas Johnstone, Bianca Kue, Dylan Ovanin, Plamenko Vasic; University of Wisconsin, Whitewater



Oral Session 1

Oral presentations are 15 minutes in length with five additional minutes allotted to each presenter for questions. This schedule is strictly enforced.

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SESSION 1

Fine Arts Building 0308B Health Sciences & Public Health

Thu 11:00am-11:20am

Investigating the Quality of Ornamental Water within Shopping Malls in the United Arab Emirates
Fatema Alrumaithi; Zayed University

Thu 11:20am-11:40am

Assessing the Impact of Indoor Air Quality on University Community Health within the United Arab Emirates
Nouf Al Hosani, Nouf Jasim Al Hosani, Fatema Al Rumaithi; Zayed University

Engineering/Engineering Technology

Thu 11:40am-12:00pm

Calculating our estrogen footprint: Testing a procedure to quantify the estrogenic compounds released by wastewater treatment plants
Emily Crossette; Lafayette College



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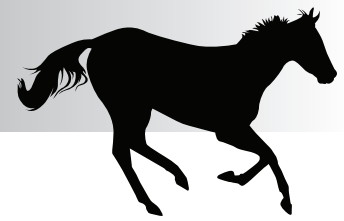


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Oral Session 1



Fine Arts Building 106
Environmental Studies & Sciences

Thu 11:00am-11:20am

Protecting Sea Turtle Population

Ciarra Slater; Jacksonville University

Thu 11:20am-11:40am

Fall Macroinvertebrate Diversity and Water Quality of Lotic and Lentic Waters on the Jacksonville University Campus

Timothy Radley, Thomas Radley; Jacksonville University

Thu 11:40am-12:00pm

An Analysis of Coral Reef Response to Future Climatic Changes Caused by Global Warming

Lauren Crow; Virginia Commonwealth University

Fine Arts Building 17

History

Thu 11:00am-11:20am

"Brazil's Carpetbaggers: The Emigration of the Confederados

Hannah Grant; University of Kentucky

Thu 11:20am-11:40am

"This great moral and political good": British Involvement in the Abolition of the Brazilian Slave Trade, 1823-1826

Christina Crowley; Colgate University

Thu 11:40am-12:00pm

Bringing the South on Their Backs: Agrarian Culture,

Economic Hope, and the Confederate Immigrants in Brazil

Derek Berthiaume; Coastal Carolina University

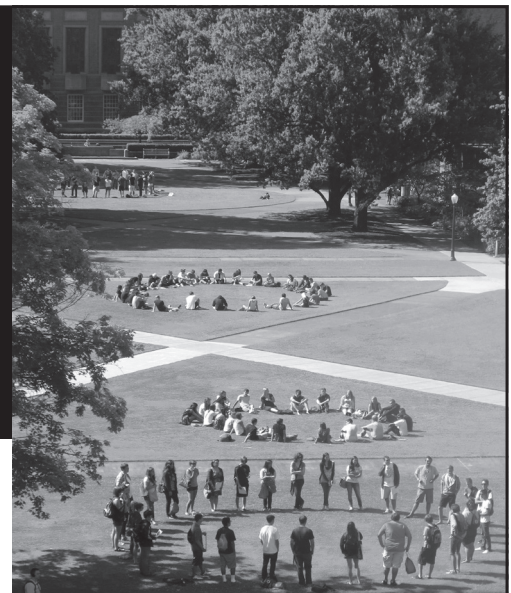


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Oral Session 1

Fine Arts Building 208

Sociology

Thu 11:00am-11:20am

But We Are Different: The Loss of Gay Culture in the Face of Mainstream Assimilation

Anthony Grayson; Salisbury University

Thu 11:20am-11:40am

"Get Ready to Grindr": Technology and the Evolution of Gay Male Culture

Matthew Tolliver; Morehead State University

Thu 11:40am-12:00pm

Allies?: Assessing the Need for More Specific Terminology in the LGBTQ Movement

Emily Williams; Hendrix College

Fine Arts Building 004

Music Research and/or Analysis

Thu 11:00am-11:20am

Living, Breathing, and Feeling the Music: How Music is a Stronger Communicator of Emotion than Talking

Meghan Blizinski; Texas State University- San Marcos

Thu 11:20am-11:40am

Karen refugees in central Pennsylvania: The musical assimilation of transplanted community

Joseph Holback, Genesis Bordner, Sarah Calabro, Samantha Keynton, Ashley Landis, Jason Sandonato, Joanna Stauffer, Caitlin Wilson, Eric Yoder; Elizabethtown College

Thu 11:40am-12:00pm

The Female Orchestra in Auschwitz

Candace Rhodes; Western Carolina University

Fine Arts Building 006

Biology

Thu 11:00am-11:20am

A Novel Method for Determining Historic Massasauga Rattlesnake Populations in Northern Missouri

Kathleen Tazelaar; Dordt College

Thu 11:20am-11:40am

Analyzing the Genetic Differences of the PLA2 gene of subspecies of Ozark and Ouachita copperhead snakes

Rusty Koonce; Hendrix College

Thu 11:40am-12:00pm

Are Arkansas Queen Snakes a Distinct Species? A Comparative Study

Kathryn Spivey; Hendrix College

Lucille Caudill Little Fine Arts Library 301

International Studies

Thu 11:00am-11:20am

Nile Waterfronts and Bridges: The Nature of Commodification and Depublicization in Contemporary Cairene Spaces

Eddie Dioguardi; American University

Thu 11:20am-11:40am

Deconstructing Discourses of the Migrant in South African History from Apartheid to the Present

Cate Anderson; Luther College

Thu 11:40am-12:00pm

The River and Its People: The Study of Cultural Migration along the Amu Darya in Central Asia

Benjamin Schaefer; University of Wisconsin, Milwaukee

Lucille Caudill Little Fine Arts Library 302

Mathematics

Thu 11:00am-11:20am

Geometry and Tonal Music: A Mathematical and Musical Analogy

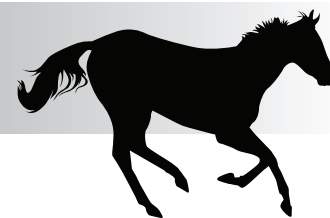
Alison McClay; Appalachian State University

Thu 11:20am-11:40am

Music Genomics: Applying Seriation Algorithms to Billboard #1 Hits

Nakhila Mistry; Elon University

Oral Session 1



English

Thu 11:40am-12:00pm

To “Play That Funky Music” or Not: How Music Affects the Environmental Self-Regulation of High-Ability Academic Writers

Sara Calicchia; Utah State University

Lucille Caudill Little Fine Arts Library 311

Psychology

Thu 11:00am-11:20am

Post Traumatic Stress Disorder in the Ancient Greek and Roman Soldier

Echo Smith; University of Utah

History

Thu 11:20am-11:40am

Ancient Pediatrics

David Stock; University of Wisconsin, Milwaukee

Engineering/Engineering Technology

Thu 11:40am-12:00pm

A Multiplication Toy for Children: The Color Cross Cube

Michael Walker; Virginia Commonwealth University

Patterson Office Tower 107

Sustainability

Thu 11:00am-11:20am

Down to Earth

Emily Hart, Sara Dreibelbis, Allison Reed, Alyssa Hartman, Amy Anderson; Ball State University

Thu 11:20am-11:40am

A Native Cyanobacteria, Nostoc, as a Biofertilizer

Clarice Esch; Western Kentucky University

Thu 11:40am-12:00pm

Relative Humidity and Water Solubility Characteristics of Environmentally Considerate Lubricants

Meghan Krause; Milwaukee School of Engineering

Patterson Office Tower 108

Diversity Studies

Thu 11:00am-11:20am

Impact of a Diversity Conference on University Curriculum, Recruitment, and Accreditation Efforts

Christine Wilson, Autumn Palmer; Northern Michigan University

Thu 11:20am-11:40am

Successive Study of Diversity Conference Evaluations of Presenters by Race, Gender, Sexual Orientation, and Disability

Autumn Palmer, Christine Wilson; Northern Michigan University

Thu 11:40am-12:00pm

Qualitative Assessment of Multicultural Competence Development of Participants Civil Rights Pilgrimage in Student Participants

Jesse Martinez, Jesse Martinez, Casey Coughlin, Morgan Gerke, Vajfue Lee, Phaedra McDougall, Alayna Spengler; University of Wisconsin, Eau Claire

Patterson Office Tower 110

Electrical Engineering

Thu 11:00am-11:20am

A Comparative Study and Ambiguity Function Analysis for Software-Defined Radio-Based Passive Radar

Samantha Scharles; Milwaukee School of Engineering

Thu 11:20am-11:40am

Cryptography and the Eclipse Software: A Glimpse of Eclipse

Cherith-Eden Clements; Howard University

Thu 11:40am-12:00pm

Design, Simulation, Implementation, and Performance Evaluation of a Stack-CPU for Massively Parallel Control-Intensive Applications

Kimchristopher Hein; Milwaukee School of Engineering



Oral Session 1

Patterson Office Tower 112

Criminology

Thu 11:00am-11:20am

*EFFECTS OF TREATMENT ON PROBATIONER
RECIDIVISM AT A LARGE U.S. PROBATION AGENCY*

Katherine Brayan; Iona College

Thu 11:20am-11:40am

Patterns and Causes of Higher Homosexual Drug Use
Wesley Myers; Western Carolina University

Thu 11:40am-12:00pm

*An analyses of Criminal Punishment of Drug offenses
undermining effectiveness of the Criminal Justice System*
William Borrelli, William Borrelli; Iona College

Patterson Office Tower 113

Nutrition

Thu 11:00am-11:20am

*Lifestyle choices and influences in college females comparing
nutrition and non-nutrition majors*

Amy Gallop; University of Minnesota

Thu 11:20am-11:40am

*Parent and teacher perceptions of community garden
experiences on fruit and vegetable preferences and intake of
preschool-aged children: Implications for a pilot intervention*

Katrina Groshens, Anna Laitinen; St. Catherine University,
St. Paul

Thu 11:40am-12:00pm

Advancing Food Preservation Techniques in India
Sathya Areti; Virginia Commonwealth University

Patterson Office Tower 145

Criminology

Thu 11:00am-11:20am

Dolphins in the U.S. Navy
Marjorie Grumbine; Virginia Commonwealth University

Engineering/Engineering Technology

Thu 11:20am-11:40am

*Smart Instrumentation based Embedded System for
Ultrasonic Positioning Estimation*

Dustin Patton; Murray State University

History

Thu 11:40am-12:00pm

*The Texas Water Safari: Fifty Years of Endurance, Adventure,
and Change*

Philip Rask; San Jacinto College

Patterson Office Tower 003

English

Thu 11:00am-11:20am

The Mystery of Lexington Italy

Austin Gocke, Katherine Spezzano; University of Kentucky

Geography & Earth Sciences

Thu 11:20am-11:40am

Nicholasville Road Small Area Plan

Erica Sardar, Evan Sweet, Jordan Miller; University of
Kentucky

Economics

Thu 11:40am-12:00pm

*Making Research Useful: An Economic Development Report
for the City of Reading, Pennsylvania*

Jennifer Dickey, Seok Kim; Franklin and Marshall College

Patterson Office Tower 005

Political Science

Thu 11:00am-11:20am

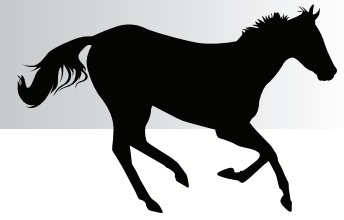
*The Nature of Sovereignty: Explaining the Role of Sovereignty
through the Environmental Policies of Belgium and Bulgaria*
Stephanie Grisell; Hamline University

Thu 11:20am-11:40am

*Population-Centric Counterinsurgency: when and why does
it work?*

Michael Embs; Susquehanna University

Oral Session 1



Thu 11:40am-12:00pm

The Competing Interests of International Law and State Sovereignty: A Legal Conundrum
Courtney Thrower; University of Arkansas at Monticello

Patterson Office Tower 007

Education

Thu 11:00am-11:20am

Tying the Knot on Student Engagement
Sabina Marroquin; Midwestern State University
Interdisciplinary Studies

Thu 11:20am-11:40am

The Claddagh of Galway: Stories from Fiction to Fact
Connor Boyle; Brooklyn College

English

Thu 11:40am-12:00pm

Examining the Notion of Marital Entrapment Found in the Brontë Literature.
Emily Hill; Arkansas State University

Patterson Office Tower 009

Biology

Thu 11:00am-11:20am

The Odonata of Medina Township, Lenawee County, Michigan
Chas Frey; Siena Heights University

Thu 11:20am-11:40am

*Genetic Variation of the Mountain Pine Beetle (*Dendroctonus ponderosae*) in the Black Hills*
Anna Hafele; Black Hills State University

Thu 11:40am-12:00pm

The effect of self-initiated thrust on forward optical flow tolerance during fly flight
Jacob Bruno-Friedman; Florida International University

Singletary Center - President's Room

Theatre/Drama

Thu 11:00am-11:20am

"Dramaturgy as Collaborative Process in New Play Production"
Luke White; Appalachian State University

Thu 11:20am-11:40am

Is Epic Theatre Still Epic?: A Comparative Look at Verfremdungseffekt in the Early 20th and 21st Centuries
Dominique Luster; University of Kentucky

Thu 11:40am-12:00pm

Eurydice
Brittani Wyskocil; Jacksonville University

White Hall Classroom Building 102

Literature

Thu 11:00am-11:20am

The Middlemarch Magnifying Glass
Anita Iyer, Catherine Brereton, Ayna Lorenzo, Kendra Sanders; University of Kentucky

Political Science

Thu 11:20am-11:40am

Political Literature in Early 20th Century Germany.
Kevin Staniforth; Radford University

Thu 11:40am-12:00pm

Neil Gaiman, Eric Voegelin, and the Search for Order
Jesse Lynch; Radford University
White Hall Classroom Building 110

Psychology

Thu 11:00am-11:20am

Anorexia Athletica
David West; Virginia Commonwealth University

Thu 11:20am-11:40am

Perceptions of Female Body Types: Athleticism vs. Thinness
Anna Jolliff, Adrie Henry; Hendrix College



Oral Session 1

Thu 11:40am-12:00pm

Use Netspeak So I Know You're Real
Jennifer Wu; University of Kentucky

White Hall Classroom Building 114

Psychology

Thu 11:00am-11:20am

The Impact of CPS and Special Education on Adjustment for Male Inmates
Sara Blessington; Eastern Washington University

Thu 11:20am-11:40am

Machismo and Marianismo Revisited: Language, Acculturation, and Gender Role Perceptions Among Latinos
Analia Albuja; Truman State University

Thu 11:40am-12:00pm

Mental Stability and the Male Gender Role
Madison Williams; Virginia Commonwealth University

White Hall Classroom Building 122

Political Science

Thu 11:00am-11:20am

Is anyone listening? : Responsiveness of Representatives in the House
Brian Anderson; Carthage College

Thu 11:20am-11:40am

Perceived Government Responsiveness as Related to Social Spending
Benjamin Fulmer; Western Carolina University

Thu 11:40am-12:00pm

Burnham's Managerial Revolution: The Unexamined Reality Of Contemporary Class Conflict
Sándor Mécs; Waynesburg University

White Hall Classroom Building 201

Art History

Thu 11:00am-11:20am

Humanism and Luxury in Renaissance Bacchanalia
Caraline Goodman; University of Kentucky

Thu 11:20am-11:40am

Reciprocity of Imagery in Renaissance Art and Anatomy
Calder Staben; University of Kentucky

Thu 11:40am-12:00pm

Henri de Toulouse Lautrec and Le Divan Japonais: Isolation in Image
Taylor Williams; Hamline University

White Hall Classroom Building 203

Religious Studies

Thu 11:00am-11:20am

A Measure of Cloth: Towards a Typology of 19th century Indian Trade Labels
Mitchell Winter; University of California, Davis

Thu 11:20am-11:40am

The Art of Dying Well: The "Ars moriendi" Tradition in the Writings of Martin Luther
Robert Nelson; Concordia College, Moorhead MN

Thu 11:40am-12:00pm

Heritage and (Dis)continuity: Maintaining Transnational Religious Identity in a Maronite Community
Madeline Gambino; Lafayette College

White Hall Classroom Building 204

Sociology

Thu 11:00am-11:20am

Support and Success of African American Men at a Predominantly White Institution
Caleb Butler; Southern Illinois University Edwardsville

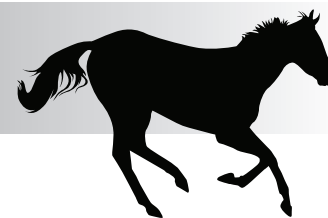
Thu 11:20am-11:40am

The Ingredients of Success: A Positivist Approach to Black Students Graduation at the University of Wisconsin-La Crosse
Christian Wendland; University of Wisconsin, La Crosse

Thu 11:40am-12:00pm

Off-Color: The Sociological Factors that Contribute to the Use of Racial and Ethnic Humor Among College Students
Brittany Owen; George Mason University

Oral Session 1



White Hall Classroom Building 205

Physics

Thu 11:00am-11:20am

Gravitational Collapse of Massive Scalar Fields in AdS5
Daniel Snyder; University of Michigan

Thu 11:20am-11:40am

Short-range Tests of Gravitational Physics
Andrew Harter, Cyrstal Cardenas; Humboldt State University

Thu 11:40am-12:00pm

Modeling the Equilibrium Distribution of Cosmic Strings
Jacob Balma; University of Minnesota, Duluth

White Hall Classroom Building 207

Health Sciences & Public Health

Thu 11:00am-11:20am

Time to cheer up! College students' perception on cheerleading as a sanctioned collegiate sport
Steve Chen, Kelsey Sphar, Brooke Mead, Steve Chen, Cassandra Smith; Morehead State University

Thu 11:20am-11:40am

Examination of sexual behavior and alcohol consumption at the event-level among college students in the United States
Leah Bruch; George Mason University

Thu 11:40am-12:00pm

Stigma, Shame and STIs: College Women Negotiating Female Sexuality and Sexual Health
Randi Saunders; American University

White Hall Classroom Building 208

Biology

Thu 11:00am-11:20am

Characterization of Protein Expression in Adipose Tissue using a Collagen Type V Knockout Mouse Model
Jonathan Gallub; Susquehanna University

Thu 11:20am-11:40am

Holistic Review of Three Successful Vaccinations Against Murine Hookworm Model in BALB/c Mice
Kevin Luk; Concordia College, Moorhead MN

Thu 11:40am-12:00pm

Cholesterol Homeostasis in Mouse Bone Marrow Derived Macrophages (BMDM) from an SLE-like murine model: a possible mechanism for atherogenesis.
Isaac Teboul; Winthrop University Hospital

White Hall Classroom Building 209

Ecology & Organismal Biology

Thu 11:00am-11:20am

Variation in Diversity and Abundance of Salamanders in Relation to Human Development in Six Selected Stream Habitats in Central Kentucky
Leif Van Laar, Alyssa Hubbard, Michon Martin, Rebecca Jeong, Christina Benedict; Berea College

Thu 11:20am-11:40am

*Occupancy, Activity and Relationships to Watershed Factors in predicting Burrow Fidelity in the Burrowing Digger Crayfish *Fallicambarus fodiens* in North-Central Ohio*
Katie Maloney; Ohio State University

Thu 11:40am-12:00pm

*The hairy hermit crab, *Pagurus hirsutiusculus*, differs from other species of intertidal hermit crabs in shell selection, escape locomotion, and reactions to predators*
Samantha Chavez; Cerritos College

White Hall Classroom Building 211

Media Studies

Thu 11:00am-11:20am

CPR: Collect. Protect. Restore.
Jesse Harmon; Capital University

Thu 11:20am-11:40am

The Perfect Sound & The Radiator's Hum: Toward An EAI Aesthetic
Thomas Lawson; Hamline University, St. Paul



Oral Session 1

Thu 11:40am-12:00pm

The Valley of the Reversed Mountains

Ali Pordeli; Jacksonville University

White Hall Classroom Building 212

Education

Thu 11:00am-11:20am

El Sueño Americano

Christianna Snyder, Daniela De Sousa Arocha, Megan Guerra; Milligan College

Thu 11:20am-11:40am

Perceptions of College Among Latino Elementary Students

Amy Nunez; Eastern Washington University

Thu 11:40am-12:00pm

Sources of College-Going Self-Efficacy in Rural Appalachia

Meriah Rose, Meriah Rose, Chelsea Adams, Trisha Douin, Natalie Meiners, Zachary Eddy; University of Kentucky

White Hall Classroom Building 213

Women and Gender Studies

Thu 11:00am-11:20am

Perceptions of Bisexual Behaviors Among University Students

Brooke Bradford; Utah Valley University

Thu 11:20am-11:40am

Empire, Homonationalism, and the Terrorist: Challenging

Settler Colonial discourse in Contemporary Queer Politics

Adnan Hashtam; University of the Pacific

Thu 11:40am-12:00pm

The South Asian Lesbian in Islam

Shahana Hanif; Brooklyn College

White Hall Classroom Building 214

Education

Thu 11:00am-11:20am

Response to Intervention As Applied to Sixth Grade Math

Content to Promote Student Success

Leigh Iler; Elon University

Thu 11:20am-11:40am

Questioning and Mathematical Classroom Discourse in Three Middle Level Science Classroom

Shelby Cameron, Rachel Pardee; University of Kentucky

Thu 11:40am-12:00pm

Geometric Reasoning in PK-2

Stephanie Schott, Rebecca Keene; University of Wisconsin, La Crosse

White Hall Classroom Building 215

Astronomy

Thu 11:00am-11:20am

Analysis of Martian Atmospheric Composition by Median Normalization

Dominic Payne, Mark Pultrone, Sarah Kessler, Phillip Chandler Chandler; Rowan University

Thu 11:20am-11:40am

Analysis of Martian Spectral Modeling by Spot-Spectra Normalization

Mark Pultrone, Sarah Kessler, Phillip Chandler, Dominic Payne; Rowan University

Thu 11:40am-12:00pm

Characterizing the Surface of Mars in the Near-Infrared

Jessica Snyder, Sean Hoyt; Rowan University

White Hall Classroom Building 217

African American Studies

Thu 11:00am-11:20am

The Impact of Plessy v. Ferguson and Brown v. Board of Education on the Civil Rights Movement: A Comparative

Triangulative Analysis Utilizing Conflict Theory

Christina Bayonne; Howard University

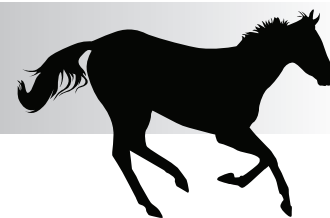
Thu 11:20am-11:40am

Crack Cocaine: A Triangulative Analysis of the Lethal Drug's Devastating Effects on the Black Community Using the

Conflict Theory

Khalid Pryer; Howard University

Oral Session 1



Thu 11:40am-12:00pm

Suffering in Silence: A Triangulative Analysis of Mental Illness Stigma in the Black Community Utilizing the Critical Race Theory and the Biopsychosocial Model
Marshelle Bryant; Howard University

White Hall Classroom Building 219

English

Thu 11:00am-11:20am

"The Great Gatsby, the Green Light, and the Metanarrative of Progress"
Matthew Higdon; Winthrop University

Thu 11:20am-11:40am

Surrealism and The Great Gatsby: an Expansion of Modernism
Kathryn Kohls; University of Findlay

Thu 11:40am-12:00pm

Jacob's Room: Woolf and the Successful Modernist Elegy
Chelsea Sokol; University of Tennessee at Chattanooga

White Hall Classroom Building 231

History

Thu 11:00am-11:20am

The Spanish Influence in English Colonization
Michael Shaw; Adelphi University

Thu 11:20am-11:40am

A Re-examination of American Interventions in Latin America
Nicholas Young; Ohio State University

Thu 11:40am-12:00pm

Looking Outside Our Borders: U.S. History in an International Context
Michele Dobbs; North Central College

White Hall Classroom Building 233

Economics

Thu 11:00am-11:20am

The United States from January 2013 to October 2013: An Informative Analysis of the Current State of the U.S. Economy
Zacchari Gale, Joseph Merritt; Jacksonville University

Thu 11:20am-11:40am

Investigations into the US-Canada Price Gap
Doris Wilson; Sewanee

Thu 11:40am-12:00pm

On Market Efficiency, Drift, and Momentum
Samuel Knutson; Gustavus Adolphus College

White Hall Classroom Building 234

English

Thu 11:00am-11:20am

Chastity's Triumph: Diana and Venus in A Midsummer Night's Dream
Rachel King; Winthrop University

Thu 11:20am-11:40am

High Things Were Spoken There: The History of the Heroic Sonnet
David Hullinger; Loyola University Chicago

Thu 11:40am-12:00pm

"Young she was and yet not so": The Revival of the Victorian Fairy-Story Heroine in Tolkien's The Lord of the Rings
Kylie Dennis; Mississippi State University

White Hall Classroom Building 235

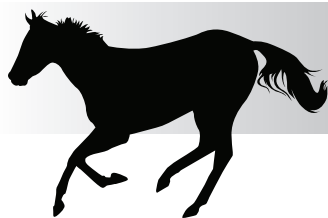
Chemistry

Thu 11:00am-11:20am

Chemical Modification of MitoNEET: A Novel Diabetes Drug Target
Megan Laffoon; Eastern Illinois University

Thu 11:20am-11:40am

Does Chlorine Dioxide Degrade Sulfa Drugs?
Janelle Jennissen; Concordia College, Moorhead MN



Oral Session 1

Thu 11:40am-12:00pm

Dynamic versatility: How understanding hydroxamic acid behavior can lead to novel therapeutic treatments in a variety of pharmacological settings.

Stefanie Sippl; University of Wisconsin, La Crosse

White Hall Classroom Building 237

Cell & Molecular Biology

Thu 11:00am-11:20am

Clot Buster Bullets: The Creation of tPA coated Nanoparticles
Nikolas Stasinopoulos; Milwaukee School of Engineering

Thu 11:20am-11:40am

Integrin subunits $\alpha 3$ and $\alpha 6$ are essential for collecting duct cells functions regulated by binding to LM-511
Franceska Mehmeti; Berea College

Thu 11:40am-12:00pm

Sequencing Lactate Dehydrogenase A (LDHA) and Analyzing its Adaptive Evolution Among Primates
Nathan Vengalil; Wayne State University

White Hall Classroom Building 238

English

Thu 11:00am-11:20am

Jose Marti: Dismantling National Narratives at the Root of American Imperialism
Tanairi Alcaraz; University of the Pacific

Thu 11:20am-11:40am

One Hundred Years of Solitude: Deconstructing the City of Mirrors Through Lacanian Theory
Alexander Muller; Winthrop University

Thu 11:40am-12:00pm

A Very Old Man with Enormous Wings: An Examination of Human Social and Religious Tendencies
Micah Gargala; Hope College

White Hall Classroom Building 239

Physics

Thu 11:00am-11:20am

Probing Phase Transformation of $(Bi_{1-x}Sb_x)_2Se_3$ Nanosheets by Raman Spectroscopy
Conor Delaney; University of Northern Iowa

Thu 11:20am-11:40am

Investigation of Twisted Bilayer Graphene by Raman Spectroscopy
Courtney Keiser; University of Northern Iowa

Thu 11:40am-12:00pm

Simple Experiments and Modeling of Incandescent Lamp Spectra
Austin Kerlin; University of West Georgia

White Hall Classroom Building 240

Management

Thu 11:00am-11:20am

The research on performance appraisal differences between the U.S and China
Yi Zhao; University of Nebraska, Kearney

Thu 11:20am-11:40am

An Analysis of the Quality of Teaching and School Administration of Acton Chinese Language School
Xinyue Ni; Bridgewater State University

Thu 11:40am-12:00pm

Stress, Happiness and the Workplace
Jessica Ivatorov; Brooklyn College

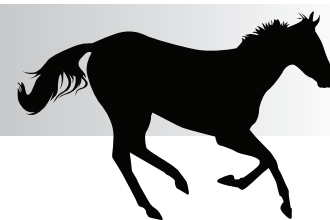
White Hall Classroom Building 241

Communications

Thu 11:00am-11:20am

A Comparison of Frames Present in The New York Times, People's Daily, and BBC's Coverage of Sina Weibo
Kendra Boyle Hoban; Hamline University

Oral Session 1



Thu 11:20am-11:40am

A Frame Analysis on "Alternative Medicine" in the New York Times (2000-2010)

Samantha Ringer; Juniata College

Thu 11:40am-12:00pm

Framing of the Boston Marathon Bombings

Stephanie Winkler; University of Kentucky

White Hall Classroom Building 242

Marketing

Thu 11:00am-11:20am

The Extended Parental Self: Gender Differences in Parental Spending on Sons vs. Daughters

Victoria Olivo; University of Texas, San Antonio

Thu 11:20am-11:40am

Reconceptualizing the Role of Product from the Total Solution Perspective

Yura Kang; University of Central Oklahoma

Thu 11:40am-12:00pm

Sharing Great Coffee with the University of West Georgia!

LeeAnn Frank, LeeAnn Frank, Riley Auskelis, Adam Kotter, Bailey Fabricius; University of West Georgia

White Hall Classroom Building 243

Biochemistry

Thu 11:00am-11:20am

Effect of Artificial Sweeteners on the Renin-Angiotensin System in Rats

Jacob Ball; Minnesota State University, Mankato

Thu 11:20am-11:40am

Conversion of Fibroblasts Into Cardiac Progenitors

Dariya Tikhomirova, Fatima Syed; University of Houston

Thu 11:40am-12:00pm

Whole Blood and Leukocyte Separation by Aqueous Multiphase Systems of Polymers

Daniel Kramer; Harvard

White Hall Classroom Building 244

Neuroscience

Thu 11:00am-11:20am

Neurodevelopmental Trajectory of Simple Arithmetic in Bilingual Children

Rosemary Beavers, Andres Ruiz; University of Texas, San Antonio

Thu 11:20am-11:40am

Antipsychotic Medication Effects in Task-based fMRI in Childhood-Onset Schizophrenia During Simple Motor Control

Carol Noronha; Wayne State University

Thu 11:40am-12:00pm

Cerebellar Modulation of Forebrain Dopamine

Neurotransmission: Relevance to Autism Spectrum Disorders

Damian Coomes; University of Memphis

White Hall Classroom Building 245

Education

Thu 11:00am-11:20am

Keeping Kids in School: A Longitudinal Study of a Cohort from an Urban School District

Katherine Lomazzo, Katherine Baum, Alexandra Lionetti, Christina Heim, Camille Arter; SUNY Geneseo

Thu 11:20am-11:40am

The Effects of Poverty on Educational Achievement in the United States: A Quantitative and Qualitative Analyses Using the Stratification Theory

Keeandra Hale; Howard University

Thu 11:40am-12:00pm

The Perceived Readiness of Educators to Teach African American English Speaking Students

Brianna Barnette; Winthrop University



Oral Session 1

White Hall Classroom Building 246

Social Work

Thu 11:00am-11:20am

Divorce in Qatar: The View of Welfare Workers
Ebtesam Ayoub; Qatar University

Thu 11:20am-11:40am

INSIGHTS INTO DELAYED MARRIAGE FOR EMIRATI WOMEN
Mouza Alnuaimi; Zayed University

Thu 11:40am-12:00pm

Marriage Compatibility amid Social Changes: The Role of Qatari Social Workers
Mayasa Al Mamari; Qatar University

White Hall Classroom Building 247

History

Thu 11:00am-11:20am

Hostile Rhetoric: The Effects of the Media on the Rwandan Genocide
Kelli Richards; Bridgewater State University

Thu 11:20am-11:40am

Steve Biko: An Intellectual of History of South African Black Consciousness
Alexander Habibi; Keene State College

Thu 11:40am-12:00pm

The Perception of Violence: How Groups Become Labeled Terrorists While States Do Not
Stephan Rochefort; Massachusetts College of Liberal Arts

White Hall Classroom Building 303

Computer Science

Thu 11:00am-11:20am

Freedom Heritage Museum
Samantha Smith; University of Southern Indiana

Thu 11:20am-11:40am

Benefits of Using RA and SQL Together in an Educational Environment
Bryce Ostler; Utah Valley State College

Thu 11:40am-12:00pm

Optimizing Next-Generation Mobile Networks Using Frequent Sequential Pattern Mining
Zachary Lamb; Morehead State University

White Hall Classroom Building 306

Biology

Thu 11:00am-11:20am

The Brave Little Hamster
Erica Falcone; Ithaca College

Nursing

Thu 11:20am-11:40am

Perception of Asthma Control
Britain Somple; Ohio State University

Thu 11:40am-12:00pm

Predictors and Influence of Recipients' Goal Orientation on Self-Management Behaviors and Health Outcomes after Lung Transplantation
Jenna Zaltonis; University of Pittsburgh School of Nursing

White Hall Classroom Building 316

Art History

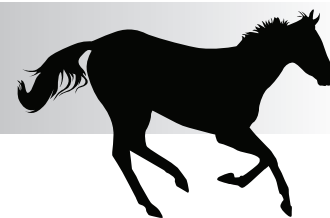
Thu 11:00am-11:20am

The Fine Art of Death: Images of the Macabre in Northern Renaissance Art
Rachel Castro; Dominican University of California

Thu 11:40am-12:00pm

Martyrdom and Apocalypse in the Mausoleum of Galla Placidia
Taylor Curtis; University of Kentucky

Oral Session 1



White Hall Classroom Building 331

History

Thu 11:00am-11:20am

*"Cut short the night: use some of it for the day's business":
An Examination of Cultural Processes on Sleep Patterns in
Imperial Rome.*

Juan Basadre; Loyola University Chicago

Thu 11:20am-11:40am

*Alexander the Great, 336-334 BCE: His Early Campaigns
and the Belying of Pan-Hellenism*

Trevor Rystrom; University of Wisconsin, La Crosse

Thu 11:40am-12:00pm

The Citizen Athlete

Yonatan Wolnerman; Brooklyn College

White Hall Classroom Building 333

Mathematics

Thu 11:00am-11:20am

*A Disproof of Tsallis's Conjecture Using the Substitution
Method*

Theodore Huang; Johns Hopkins University

Thu 11:20am-11:40am

Multidimensional Spectroscopic Constants

Najja Ellis; Spelman College

Thu 11:40am-12:00pm

Predicting College Enrollment Using Neural Networks

Nick Evens, Michael Ann Finnin, Yao Li; St Olaf College -
Admissions

White Hall Classroom Building 334

Biology

Thu 11:00am-11:20am

*Effect of atrazine on reproductive physiology of the anole
lizard (*Anolis carolinensis*)*

Cyra Cottrell; Coastal Carolina University

Thu 11:20am-11:40am

The Role of CART in arousal behaviors in larval zebrafish
Haley Coleman; Ithaca College

Thu 11:40am-12:00pm

*Evaluation of Pheromone Release Devices and Trap Design to
Develop a Broad-Range Survey Tool for Exotic Longhorned
Woodboring Beetles in Alaska*

Michael Apicella; Xavier University

White Hall Classroom Building 335

Communications

Thu 11:00am-11:20am

*Finding the Most Effective Health Communication Message in
Print Image Media for the Cessation of Smoking Cigarettes*

Daniela Benzaquen; Roanoke College

Thu 11:20am-11:40am

*Disease, Identity and Disenfranchisement: A Pentadic
Examination of Cancer Survivorship*

Allison Blumling; Juniata College

Thu 11:40am-12:00pm

*Drink the water, you'll grow an extra toe: Is Butte Water Safe
to Drink?"*

Mariah Sheble; Montana Tech

White Hall Classroom Building 336

Engineering/Engineering Technology

Thu 11:00am-11:20am

Rapid Fill and Drain Bath Addition

Rachel Mantych, Sean Thomas, William Adamson;
Metropolitan State College of Denver

Thu 11:20am-11:40am

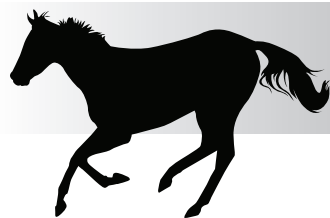
Reconfigurable Personal Water Purification System

Samuel Phaneuf; Norwich University

Thu 11:40am-12:00pm

Laboratory Water Degassing Device

Robert Bauch, Chris Gour, Steve Tiernan; Norwich
University



Oral Session 1

White Hall Classroom Building 337

Computer Science

Thu 11:00am-11:20am

Parallel Password Cracking

Kristina Cottingham, Landan Heinrichy, John Lubke, Chris Craft, Brandon Koolstra; Dakota State University

Thu 11:20am-11:40am

Protecting the Cloud Against HTTP-DoS and XML-DoS Attacks

Brian Zukowski, Eric Karam, Mark Fesenmeyer; Roger Williams University

Thu 11:40am-12:00pm

Fingerprints as Passwords

Mariel Schneggenburger, Thomas Efland, James Schuler; University at Buffalo, State University of New York

White Hall Classroom Building 338

Economics

Thu 11:00am-11:20am

The Economic Implications of Latino Migration to Reading, PA

Gabrielle Connor, John Zhang Guo Xiong; Franklin and Marshall College

Thu 11:20am-11:40am

On the Determinants of Emigration: The Effect of Wealth on Push Factors

Sebastian Jacinto; Carthage College

Thu 11:40am-12:00pm

Mexican Migration to the US

Cody Garcia; Utah Valley University

White Hall Classroom Building 339

Chemistry

Thu 11:00am-11:20am

Synthesis of the First Examples of Chirality at Iodine: Diaryliodosyl Salts

Alexis Rowley; Penn State Erie, The Behrend College

Thu 11:20am-11:40am

Novel Benzisoxazole 2-Oxides as Metal Coordinating Ligands
Jonathan Fifer; Penn State Erie, The Behrend College

Thu 11:40am-12:00pm

Exploration of the Reaction of Novel Alkynyl Iodonium Salts with Phenoxides

Nicholas Burton; Penn State Erie, The Behrend College

White Hall Classroom Building 340

Literature

Thu 11:00am-11:20am

A Generational Difference of Memory: Women's Writing about the Spanish Civil War (Una diferencia generacional de la memoria: La escritura femenina sobre la guerra civil española)

Sarah Glenski; Truman State University

Thu 11:20am-11:40am

Feminism in the Poetry of Claribel Alegría

Devan Quinn; State University of New York, Brockport

Thu 11:40am-12:00pm

Black Femme Fatal: Inequity in Harlem Renaissance Literary Representation

Amanda Bennett; University of Alabama

White Hall Classroom Building 341

Philosophy & Ethics

Thu 11:00am-11:20am

Human Obligation to be Moral without the Influence of God
Lauren Turitto; Hamline University, St. Paul

Thu 11:20am-11:40am

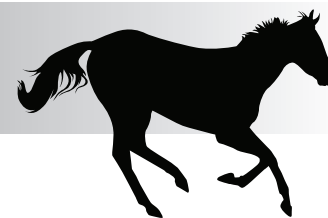
Moral Rights for Non-Human Animals in a Human world
hannah hankins; Hamline University, St. Paul

Thu 11:40am-12:00pm

Approaches to Mumbai Slums: Lessons for a City

KANCHANA STHANUMURTHY, Neil Desai; University of Virginia

Oral Session 1



White Hall Classroom Building 342

Mathematics

Thu 11:00am-11:20am

A New Superior Sup-Test for Increasing Failure Rate Life Distributions

Christine Schlafly; Xavier University

Thu 11:20am-11:40am

Burr Type-XII Percentile Control Charts

Joseph Rezac; University of South Dakota

Thu 11:40am-12:00pm

Combinatorics of Quartet Amalgamation

Emili Price; Winthrop University

White Hall Classroom Building 343

Architecture & Interior Design

Thu 11:00am-11:20am

Historic Preservation and Cultural Landscapes: More Connected Than You Think

Maia Stack; University of Wisconsin, Milwaukee

Thu 11:20am-11:40am

The Structural Significance of Charlemagne's Palatine Chapel

Adam Grey; Lafayette College

Thu 11:40am-12:00pm

Energy Consumption between a Re-purposed LEED Commercial Structure and a New LEED Commercial Structure

Kathleen Labick; Siena Heights University

White Hall Classroom Building 345

Cell & Molecular Biology

Thu 11:00am-11:20am

Effect of Oxygen Levels and Serum Concentration on mRNA Expression of Paracrine Factors in Mesenchymal Stem Cells

Patrick Page, Joshua DeJong; Trinity Christian College

Thu 11:20am-11:40am

Distribution and localization of claudins and RNAi-mediated knockdown of Rab13 in the tight junction of the bladder epithelium

Hannah Morrissey; Washington and Jefferson College

Thu 11:40am-12:00pm

MicroRNAs as Treatment Biomarkers in Chronic Pain

Sabrina Douglas; Drexel University

White Hall Classroom Building 346

International Studies

Thu 11:00am-11:20am

Measuring Success in the 2000 Cochabamba Water Revolt

Rebecca Policar; Seattle University

Thu 11:20am-11:40am

Ethnically Diverse States & its Effects on Governance

Ricardo Telchi; Hendrix College

White Hall Classroom Building 347

Anthropology & Archeology

Thu 11:00am-11:20am

Changing Spirituality along El Camino de Santiago and the Corresponding Implications

Alex Morton; Oakland University

Thu 11:20am-11:40am

Organized Atheism Creating Community

Jessica Landgraf; Luther College

Thu 11:40am-12:00pm

The Construction of Identity in Syria: Religious and Ethnic Loyalties in the Syrian Civil War

Elliott Rousseau; Bridgewater State University



Oral Session 1-2

White Hall Classroom Building 349

Sociology

Thu 11:00am-11:20am

Growing Up a Little Faster: A Comparative Analysis of the Rates of Maturity of Children Raised in Single-parent and Two-parent Homes Utilizing the Symbolic Interaction and Social Learning Theories

Jennifer Hill; Howard University

Thu 11:20am-11:40am

Why Asian parents are stricter than other races about their children's grades

Shyam Srinivasan; Virginia Commonwealth University

Thu 11:40am-12:00pm

Trends in Age at First Birth for Hispanic Women in the United States

Nallely Mejia; American University

SESSION 2

Fine Arts Building 0308B

Interdisciplinary Studies

Thu 2:00pm-2:20pm

Justice and Surveillance: Challenging the Political Legitimacy of the Surveillant Assemblage

Zachary Hausle; Hendrix College

Philosophy & Ethics

Thu 2:20pm-2:40pm

Raz's Normal Justification Thesis Does Not Enhance Individual Autonomy

Benjamin Kilpatrick; University of New Orleans

Thu 2:40pm-3:00pm

Pride and Privacy: A Philosophical Examination of the Individual's Right to Privacy

Tyler Mullins; Morehead State University

Fine Arts Building 106

Engineering/Engineering Technology

Thu 2:00pm-2:20pm

A Flexible and Hands Free Control Support for Mobile Devices based on Shape Memory Alloy

Bryam Duque; Jacksonville University

Thu 2:20pm-2:40pm

Emergency Management Mobile App Development in MIT App Inventor

Dameisha Wilson; Jackson State University

Thu 2:40pm-3:00pm

A Mobile System to Monitor Neonatal Nursing Characteristics

Gedeon Nyengele; Georgia Perimeter College - Decatur Campus

Fine Arts Building 17

Interdisciplinary Studies

Thu 2:00pm-2:20pm

Preservation of Greek Culture

Braxton McFarland, Jordyn Patterson, Aliah Fueller; University of Kentucky

Thu 2:20pm-2:40pm

Ancient Egyptian Mummification & Medical Practice & Its Relation to Greek Medical Advancement through the Practice of Dissection by Herophilus & Erasistratus in Alexandria

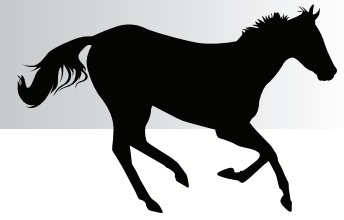
James Vondenberg; Xavier University

Thu 2:40pm-3:00pm

The American Pantheon: Influence of Greek Heroes on Caped Crusaders

Christian Bare; Anderson College

Oral Session 2



Fine Arts Building 208

Art History

Thu 2:00pm-2:20pm

The Eternal Coitus of Love and Death in Julia Margaret Cameron's Madonna and Child Photographs
Amber Eckersley; Coastal Carolina University

Thu 2:20pm-2:40pm

Unicorn Mythology in Renaissance Imagery: Chastity's Role as the Ultimate Female Virtue
Samantha Harris; University of Kentucky

Thu 2:40pm-3:00pm

Women, Art and Revolution: Feminine Symbolism and Democracy in Revolution Era France
Ashley Palin; Northern Illinois University

Fine Arts Building 004

Music Research and/or Analysis

Thu 2:00pm-2:20pm

To Sing or Not To Sing: The use of music in theatre
Kevin Hicks; Cedarville University

Thu 2:20pm-2:40pm

The Power of Group Dynamics in Musical Ensembles
Carys Kunze; Appalachian State University

Thu 2:40pm-3:00pm

Voices Only: Medieval and Renaissance A Cappella
Jeremy Witt; Cedarville University

Fine Arts Building 006

History

Thu 2:00pm-2:20pm

Ads of Identity: Trends in African American Beauty Advertisements
Sakeena Fatima; Wayne State University

Thu 2:20pm-2:40pm

Allen Research Project
Artura Jackson, Aaron Burall, Hillary Daye, Stephen Smith;
Salisbury University

Thu 2:40pm-3:00pm

The Power of the Panther in the Tarheel State: How the Black Panther Party Changed the Role of Race Relations in North Carolina
Christopher Ray; Western Carolina University

Lucille Caudill Little Fine Arts Library 301

International Studies

Thu 2:00pm-2:20pm

Armas de Desafío: Manifestations of Mapuche Cultural Resistance in Chile
Mackenzie Mann; Elon University

Thu 2:20pm-2:40pm

The Egyptian Revolution: The Overthrow of Hosni Mubarak
Aaron Moyer; Lynchburg College

Thu 2:40pm-3:00pm

Transparent or Opaque: Case Study for the Effectiveness of a Central, Transparent Development Aid Database System
Nicole Kalmus; University of Hartford

Lucille Caudill Little Fine Arts Library 302

International Studies

Thu 2:20pm-2:40pm

The Lasting Influence of Centuries of Colonialism: The Saturation of Luso-tropicalism into Modern Portugal
Kathryn Conover; Hamline University, St. Paul

Thu 2:40pm-3:00pm

The Imperious Politics of Biometric Identification
Elizabeth Saraceno; Arcadia University - General

Lucille Caudill Little Fine Arts Library 311

Engineering/Engineering Technology

Thu 2:00pm-2:20pm

Modeling the Helicoseir
Marten Thompson; Hamline University



Oral Session 2

English

Thu 2:20pm-2:40pm

Contemporary Opera Libretti: an Examination of Form and Function

Andrew Dominello; Wheaton College - Massachusetts

Patterson Office Tower 107

Physiology

Thu 2:00pm-2:20pm

PAK 1 Expression in Estrogen Receptor Positive and Estrogen Receptor Negative Breast Cancer Cells

Kelly Kleier; Xavier University

Thu 2:20pm-2:40pm

Molecular Mechanism of Regulated Insulin Release from β -cells

Amulya Rajagopal; Wayne State University

Thu 2:40pm-3:00pm

Visualization of dynamic airway bronchoconstriction in live rats

Thien-Khoi Phung; University of Memphis

Patterson Office Tower 108

Law & Legal Studies

Thu 2:00pm-2:20pm

Effects on the incident/accident rates of general aviation aircraft with the frequent use of electronic flight bags in the cockpit

Kevin Barth; Jacksonville University

Thu 2:20pm-2:40pm

Trends in the Enforcement of US Foreign Trade Restrictions

Simone Dallaire; Drexel University

Thu 2:40pm-3:00pm

This Election For Sale: Reforming Campaign Finance After Citizens United

Edward Maddalena; Brooklyn College

Patterson Office Tower 110

Women and Gender Studies

Thu 2:00pm-2:20pm

Domestic Violence in Spain

Ashley Taylor; Capital University

Thu 2:20pm-2:40pm

Rape Reporting and Convictions in India: Cultural and Procedural Forces that Restrict Justice for Women

Bushra Ferdous; Virginia Commonwealth University

Thu 2:40pm-3:00pm

"Baby it's Your World Ain't it?": A Rhetorical Criticism of Race, Class, Gender, and Sexuality

Jessica Hron; University of Wisconsin, Oshkosh

Patterson Office Tower 112

Health Sciences & Public Health

Thu 2:00pm-2:20pm

Assessment of Emergency Readiness and Delivery of Athletic Healthcare at Nebraska High Schools

Erica Engelhaupt; University of Nebraska, Kearney

Kinesiology & Exercise Science

Thu 2:20pm-2:40pm

Effects of Playing Surface and Shoe Type on ACL Tears in Soccer Players

Melissa Mansfield; Union College

Thu 2:40pm-3:00pm

The effects of kinesiology tape on performance of the triceps surae through functional testing in collegiate athletes

Marguerite Gilchrist, Alyssa Douglas; Salisbury University

Patterson Office Tower 113

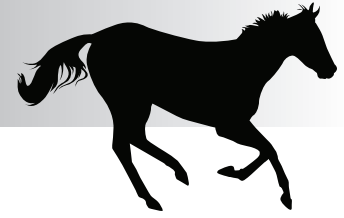
Poetry & Creative Writing

Thu 2:00pm-2:20pm

An Uncertain Future

Megan Moore; University of Wisconsin- River Falls

Oral Session 2



Thu 2:20pm-2:40pm

Artistic Creation As a Means of Overcoming the Horrors of Trench Warfare

Emma Stapley; Albion College

Thu 2:40pm-3:00pm

The Childless Mother and Other Poems: Tackling Social Stigma of Childless and Childfree People Through Poetry

Lisa Sullivan; Bridgewater State University

Patterson Office Tower 145

Political Science

Thu 2:00pm-2:20pm

Welfare Narratives in US Political Rhetoric: Stories, Power, and Contestation

Gregory Honan; Elon University

Thu 2:20pm-2:40pm

Misrepresenting and Underserving The Homeless: An Analysis of New York City Housing Policy and Homeless Population Demographics, 1980-2010

Michael Perrin; Brooklyn College

Thu 2:40pm-3:00pm

The Great Divide: Modern Welfare Politics in the U.S. Farm Bill

Peter Shipley; Xavier University

Patterson Office Tower 003

Psychology

Thu 2:00pm-2:20pm

a. Effects of Physical Attractiveness on the Perception of Mental Illness

Caitlin Garstkiewicz; Eastern Illinois University

Thu 2:20pm-2:40pm

An analysis of binge eating, cognitive restraint and negative affect in college students

Nancy Guzman; North Central College

Thu 2:40pm-3:00pm

Athletic vs. Social Body Image Satisfaction among Female Collegiate Athletes

Lynn Hendricks; Siena Heights University

Patterson Office Tower 005

Interdisciplinary Studies

Thu 2:00pm-2:20pm

Appalachian Civility: School Integration in Jackson County, North Carolina

Joshua Wilkey; Western Carolina University

Thu 2:20pm-2:40pm

From "Pockets of Poverty to Potential Prosperity" in Appalachia: Connecting Mass Media Narratives of Poverty Stereotypes to Authentic Appalachia through Photovoice

Gloria So; Elon University

Thu 2:40pm-3:00pm

GETTING AN INSIDE VIEW: A NEW LENS TO SEE APPALACHIA

Jenna Branham; Anderson College

Patterson Office Tower 007

History

Thu 2:00pm-2:20pm

History and Photography: German Photos from Eastern Europe 1939-1945

Natalie Cincotta; Northern Illinois University

Thu 2:20pm-2:40pm

"For Sacred Germany": A History of the German Military Resistance to Adolf Hitler, 1938-1944

Christopher Ray; Western Carolina University

Thu 2:40pm-3:00pm

The Evolution of Charles de Gaulle as Leader of la France Libre during World War II (1940-1942)

Claire Mayo; Elon University



Oral Session 2

Patterson Office Tower 009

Recreation and Leisure Studies

Thu 2:00pm-2:20pm

The Deutschland Drive From Guttman to Gold: A Case Study of the 2012 German Women's Paralympic Basketball Team

Hannah Mueller; University of Wisconsin, La Crosse

Communications

Thu 2:20pm-2:40pm

The Role of Disability: Physically Disabled Students' Friendships

Dana Schulte; University of Wisconsin, La Crosse

Thu 2:40pm-3:00pm

What is the best Coaching Technique to be Successful in Collegiate Softball?

Meagan Balding; Jacksonville University

Singletary Center - President's Room

Art Studio (Visual Arts)

Thu 2:00pm-2:20pm

Awareness of the Visually Impaired

Berenice Calvario; University of the Pacific

Thu 2:20pm-2:40pm

Enough Is Enough Campaign Rebranding

Ashley Richards; University of the Pacific

Thu 2:40pm-3:00pm

Promoting the First Step

Maria Boyle; University of the Pacific

White Hall Classroom Building 102

Psychology

Thu 2:00pm-2:20pm

Enrichment alters Audiogenic Seizure Intensity and Severity Differently for Male and Female Rats

Kelly Patterson; Appalachian State University

Thu 2:20pm-2:40pm

Can Instrumental Conditioning Better Explain the Results of Rodent Empathy Studies?

Andrew O'Bannon, Anne Mitchell; Centre College

Thu 2:40pm-3:00pm

Celebrity Fanaticism and its Influence on Social Competence

Joelynn Avendaño; St. Edwards University

White Hall Classroom Building 110

Political Science

Thu 2:00pm-2:20pm

Left Right Politics: A Qualitative Analysis of Hidden Conservatism and Republicanism Among Black Americans Using The Political Spectrum Theory

Rodney Holcombe; Howard University

Thu 2:20pm-2:40pm

How to Survive a Political Sex Scandal: Precedents, Guilt, and Political Culture

Katherine Barlow; Hendrix College

Thu 2:40pm-3:00pm

Rawls, Race, and Reminders: How Political Liberalism Fails to Account for Race

Benjamin Melano; California Lutheran University

White Hall Classroom Building 114

Psychology

Thu 2:00pm-2:20pm

Is Emotional Processing a Predictor of Optimism in University Students?

Lauren Walker, Lauren Gih, Kimmy Kee-Rose, Ph.D.; California State University Channel Islands

Thu 2:20pm-2:40pm

Extra-Curricular Activities and GPAs

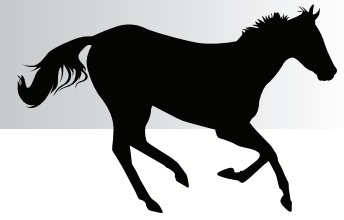
Jessica Reveal; Peace College

Thu 2:40pm-3:00pm

Concussions & College Students: What Do They Know?

Thomas Duren, Jenny Connor; Centre College

Oral Session 2



White Hall Classroom Building 122

Psychology

Thu 2:00pm-2:20pm

Gender Differences in Advice-Giving Styles
Elizabeth Davis; Hendrix College

Thu 2:20pm-2:40pm

Gender Differences in College Students with ADHD: Implications for Academic Impairment
Elina Matveeva; University of Kentucky

Thu 2:40pm-3:00pm

Using Choice as a Writing Intervention to Investigate Gender Differences
Nicole Nohelty; Minnesota State University, Mankato

White Hall Classroom Building 201

Economics

Thu 2:00pm-2:20pm

A Study of a New Curriculum: The Effect of Easton Weed and Seed's 'Summer Nights' program on Learning Loss
Shannon Nitroy; Lafayette College

Thu 2:20pm-2:40pm

Economic Development Through Women's Education
Julia Dyer; University of Kentucky

Thu 2:40pm-3:00pm

Unexpected: Constancy in Technology
Jovan Johnson, Taylor Mcdermott, Jared Ervin-Helicher;
University of West Georgia

White Hall Classroom Building 203

African American Studies

Thu 2:00pm-2:20pm

The Self-Value of the African American Male: An In-depth Analysis of Self-perception Utilizing the Symbolic Interaction Theory and the "Looking-glass Self" Theory
Brian Hawthorne; Howard University

Thu 2:20pm-2:40pm

Subjugation and the Supernatural: The Underworld in African American Letters
Nathan Moore; University of Kentucky

Thu 2:40pm-3:00pm

Finding a Way: Rebellious Caribbean Women Write their Liberation
Janelle Bennett; Elon University

White Hall Classroom Building 204

Biology

Thu 2:00pm-2:20pm

Effect of alley floor scraping frequency on environmental mastitis-causing pathogen counts
Jessica Lowe; University of Kentucky

Thu 2:20pm-2:40pm

Temporal Variation of Escherichia coli Levels at a Local Beach in Response to Hourly Environmental Changes
Clayton Wollner; University of Wisconsin, Milwaukee

Thu 2:40pm-3:00pm

The Effect of Oak Tannins on Gram Positive and Gram Negative Bacteria Growth
Leah Grant, Gage Rensch; Rockhurst University

White Hall Classroom Building 205

Health Sciences & Public Health

Thu 2:00pm-2:20pm

Practical Effectiveness of Traditional Chinese Medicine versus Western Medicine in Treating Anorexia and Bulimia Nervosa in Western Countries
August Thomas; Virginia Commonwealth University

Thu 2:20pm-2:40pm

Brazilian Ideologies: Perceptions and Decisions in regards to the Body
Natali Gracia; University of Illinois at Urbana-Champaign



Oral Session 2

Thu 2:40pm-3:00pm

The Framing of Women's vs. Men's Health Magazine Headlines

Kelly Miller; University of North Carolina, Asheville

White Hall Classroom Building 207

Ecology & Organismal Biology

Thu 2:00pm-2:20pm

Vegetation and climate history of the Saint John's Abbey Arboretum (Collegeville, Minnesota) based upon lacustrine fossil pollen

Emily Kiolbasa; College of Saint Benedict

Thu 2:20pm-2:40pm

The Bee Fauna of Snow Canyon State Park, Ut

Andrew Corbin; Weber State University

Thu 2:40pm-3:00pm

*Pollen Limitation and Reproductive Ecology Studies in a Population of *Penstemon digitalis**

Kevin Lee; Vassar College

White Hall Classroom Building 208

Sociology

Thu 2:00pm-2:20pm

The Goth's "Crown of Thorns": An Examination of How the Media Reconstructed the Goth Sub-Culture to fit a Deviant Sub-Culture and How this Impacts an Individual's Performance of Identity

Emily Johnson; North Central College

Thu 2:20pm-2:40pm

How Hip-Hop Is Reviving Detroit

Walter Kacher III; Albion College

Thu 2:40pm-3:00pm

The Die-Hards: An Exploratory Study of the Process of Becoming a Highly Identified Sports Fan

Melissa Kosciow; George Mason University

White Hall Classroom Building 209

Cell & Molecular Biology

Thu 2:00pm-2:20pm

Investigating the intersection between heat shock response and redox/Fyn/c-Cbl signaling as a therapeutic target in glioblastoma.

Paige Haas; University of Rochester

Thu 2:20pm-2:40pm

The Role of Endothelin 3 in Melanoma Growth and Metastasis

MANUEL BOROBIA SANCHEZ; Florida International University

Thu 2:40pm-3:00pm

Using an Innovative Three-Dimensional Spheroid Model of Tumors to Analyze the Effects of the Non-psychoactive Cannabinoid Ajulemic Acid on Pediatric Cancer

Michael Sullivan; Ouachita Baptist University

White Hall Classroom Building 211

Astronomy

Thu 2:00pm-2:20pm

The evolution of the relationship between the temporal decay index and the spectral index of gamma ray bursts

Emma Taylor; Guilford College

Thu 2:20pm-2:40pm

Observing Nebulosities

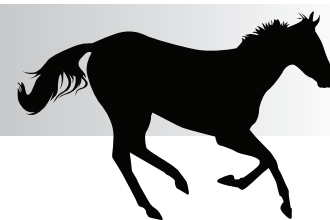
Christopher Christopherson; University of Wisconsin, Oshkosh

Thu 2:40pm-3:00pm

Precision Photometry Study of the Cepheus Star-Forming Field

Vincent Fabbri, Timothy Conard; University of Wisconsin, Oshkosh

Oral Session 2



White Hall Classroom Building 212

Biology

Thu 2:00pm-2:20pm

Colorectal Cancer Genes: A Cross-Species Analysis
Caley Zuzula; Hendrix College

Thu 2:20pm-2:40pm

*Comparative Analysis and Characterization of the Brassinosteroid Receptor Protein Gene, *Bri1*, in Wheat*
Christopher Navarro, Callie Johnson; University of Wisconsin, Stevens Point

Thu 2:40pm-3:00pm

*Comparing mitochondrial gene orders of the cryptic species complex *Brachiodontes exustus**
Chelsea Karson; Elmhurst College

White Hall Classroom Building 213

Physics

Thu 2:00pm-2:20pm

Single Photon Quantum Interference and the Quantum Eraser
Isaiah Gray; University of Minnesota, Twin Cities

Thu 2:20pm-2:40pm

The Effects of Turbulence on Cosmic-Ray Diffusion in Young Stellar Systems
Vincent Shaw; Xavier University

Thu 2:40pm-3:00pm

A Study of Type Ia Supernova Light Curves: Simulated and Actual Data
Dan Zimmerman; Loyola University Chicago

White Hall Classroom Building 214

English

Thu 2:00pm-2:20pm

Performative Language: A Social and Political Analysis
Corinne Bauer; Utah Valley University

Thu 2:20pm-2:40pm

Uplifting the Underrepresented: The Dissolution of Literary Categories
Christopher Mauldin; Anderson College

Thu 2:40pm-3:00pm

*Lost in Space and Speech: Comparing Depictions of Language and Society in *De Rerum Natura* and *Aniara**
Zachary Blinkinsop; Gustavus Adolphus College

White Hall Classroom Building 215

Biological Engineering

Thu 2:00pm-2:20pm

Computational Fluid Dynamics of the Pediatric Trachea
David Rutkowski; Valparaiso University

Thu 2:20pm-2:40pm

The Measurement of CO₂ in Urine to Guide the Treatment of Patients in Septic Shock: A Feasibility Study
William King; University of Memphis

Thu 2:40pm-3:00pm

Investigation of the Viscoelastic Properties of Microbubbles Using a Pressure Chamber
Malvika Verma; Calif Institute of Technology

White Hall Classroom Building 217

Biochemistry

Thu 2:00pm-2:20pm

Development of Bead-Based Assays for RNA-Ligand Discovery
Shapnil Bhuiyan; Wayne State University

Thu 2:20pm-2:40pm

*"To Explore the Molecular Mechanism of Inter-Domain Communications in *Escherichia coli* Prolyl-tRNA Synthetase"*
Heidi Schmit; University of Wisconsin, Eau Claire

Thu 2:40pm-3:00pm

*Biochemical characterization of Phosducin-like protein-1 (PhLP-1) of the malaria parasite *Plasmodium* reveals redox activity*
Robin David; Loyola University Chicago



Oral Session 2

White Hall Classroom Building 219

Education

Thu 2:00pm-2:20pm

What Constitutes a Welcoming Community? Mankato Leaders Go Beyond the 'Welcome Wagon' for New Immigrants
Sadie Leidall, Philip Munkvold, Sarah Lieske, Joeline Dittman; Minnesota State University, Mankato

Thu 2:20pm-2:40pm

Teaching for Whom? Examining the Value of "Teach for All" in Latin America and the Caribbean
Kaydi-Ann Newsome; Grinnell College

Thu 2:40pm-3:00pm

Who gets the last word? Literature of immigration in the Secondary English Language Arts Classroom
Jill West; Western Carolina University

White Hall Classroom Building 231

Biology

Thu 2:00pm-2:20pm

COMPARISON OF DIFFERENT LIGHT TECHNOLOGIES FOR INDOOR AQUAPONIC PRODUCTION OF Pac Choi
Doug Blair; Kentucky State University

Thu 2:20pm-2:40pm

Characterization of soybean resistance to Fusarium virguliforme in recombinant inbred lines Minsoy x Noir
Milan Milenovic; University of Minnesota, Twin Cities

Thu 2:40pm-3:00pm

Investigation of Three Putative Loci Involved In Corn Domestication
Hieu Hong; Wayne State University

White Hall Classroom Building 233

Art History

Thu 2:00pm-2:20pm

Cross-Pollination: Felix Guattari's Three Ecologies and The Pruitt-Igoe Bee Sanctuary
Melanie Woody; Saint Louis University

Thu 2:20pm-2:40pm

Crossing Paths: Philip II of Spain and Hieronymus Bosch
Yifu Liu; Colgate University

Thu 2:40pm-3:00pm

Chairman Mao Goes To Anyuan: Contradictory Ideologies in Cultural Revolutionary Political Art
Elizabeth Berk; Colgate University
White Hall Classroom Building 234

Education

Thu 2:00pm-2:20pm

Academies and England's Changing School System
Paul Luczak; Notre Dame University Of

Thu 2:20pm-2:40pm

A Globalized Education: A Comparative Study of the International Baccalaureate and Common Core State Standards Systems
Alyssa Springer; High Point University

Thu 2:40pm-3:00pm

A Comparison of Mathematics Education Practices and Teacher Selection Methods in Singapore, Finland, and the United States and a Discussion of Education Reform Options for the United States
Paul Pottanat; Virginia Commonwealth University

White Hall Classroom Building 235

Computer Science

Thu 2:00pm-2:20pm

Precise Asymptotic Distribution of the Number of Isolated Nodes in Wireless Networks with Log-normal Shadowing
Alberto Argumedo, William Washington; Paine College

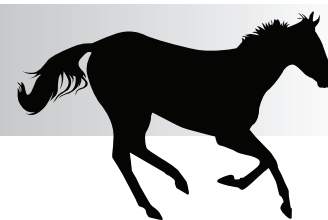
Thu 2:20pm-2:40pm

Computational Complexity of Brownian Motion
Zachary Schmidt; Minnesota State University, Mankato

Thu 2:40pm-3:00pm

The Yao Graph Y5 Is A Spanner
Wah Loon Keng; Lafayette College

Oral Session 2



White Hall Classroom Building 237

Biochemistry

Thu 2:00pm-2:20pm

Association of the Peripherin/rds C-terminus with Membranes
Mark English; Oakland University

Thu 2:20pm-2:40pm

Alpha synuclein aggregation regulation in vitro by DL-norepinephrine in Parkinson's disease
Andrew Fischer; Elon University

Neuroscience

Thu 2:40pm-3:00pm

The Effects of Acute Stress and Fear Conditioning on Spine Density in Rat Infralimbic Cortex
Kelly Moench; Carthage College

White Hall Classroom Building 238

Criminology

Thu 2:00pm-2:20pm

How the Freedom Fighter/Terrorist Paradigm is Framed in Film Between 1980-Present for the IRA and al-Qaeda
Gianni Pratico; Norwich University

Sustainability

Thu 2:20pm-2:40pm

An Assessment of Civic Engagement Among Post-9/11 GI Bill Students
Zachary Warren; San Diego State University

History

Thu 2:40pm-3:00pm

Taming the Texas Rangers:
Jason Judd; Texas Tech University

White Hall Classroom Building 239

Religious Studies

Thu 2:00pm-2:20pm

"God Making His Appeal through Us": The Theology of Reconciliation in the Church's Practice
Andrew Peecher; Hope College

Thu 2:20pm-2:40pm

The Religious Neighborhood Partners Around Hamline University: A Study of Interfaith Collaboration
Miranda Chimzar; Hamline University

Thu 2:40pm-3:00pm

The Dichotomy of Religious Northern Ireland
Timothy Simon; Lafayette College

White Hall Classroom Building 240

Microbiology & Immunology

Thu 2:00pm-2:20pm

Identification of Bacterial Contaminates and Evidence for Temperate Phages in Beerwell Samples from a Bioethanol Production Facility
Charles Coomer; Western Kentucky University

Thu 2:20pm-2:40pm

TLS Phage Pathogenesis
Sean Schrank; Wisconsin Lutheran College

Thu 2:40pm-3:00pm

Integrating Phage Therapy into Western Medicine
Jacob Jaminet; Virginia Commonwealth University

White Hall Classroom Building 241

Chemistry

Thu 2:00pm-2:20pm

Studies on the Enantioselective Synthesis of DAB-1
Anasheh Sookezian; Occidental College-

Thu 2:20pm-2:40pm

Synthesis of specialty imidazolium-based ionic liquids: chiral ILs and isotopically enriched ILs.

Eric Sylvester; State University of New York, Brockport

Thu 2:40pm-3:00pm

The Synthesis and Electrochemistry of 1,1'- Disubstituted Cobaltocenium Compounds

Eugene Warnick; Lafayette College



Oral Session 2

White Hall Classroom Building 242

Neuroscience

Thu 2:00pm-2:20pm

Biochemical & Morphological Characterization of Presynaptic RIM-Binding Protein (RIM-BP) 1/2 Double Knock-Out Mice.

Aneysis Gonzalez-Suarez; Florida International University

Thu 2:20pm-2:40pm

Activation of Lateral Amygdala Neurons Correlates with Repetitive Seizure Activity in Rats

Alison Rossi; Appalachian State University

Thu 2:40pm-3:00pm

An Analysis of Concussion History and Concussion Events on Attention

Leslie Rose, Bryce McCoy; Centre College

White Hall Classroom Building 243

International Studies

Thu 2:00pm-2:20pm

Neo-Colonialism in Africa or Continental Imprisonment: Who to Blame?

Awa Gaye; SUNY Geneseo

Thu 2:20pm-2:40pm

Influences on GM Food Policy in Southern Africa

Olivia Lewis; Lafayette College

Thu 2:40pm-3:00pm

Problematizing Decentralization: The Effects of Class on Political Participation in Africa

Lyndsey Czapansky; Hendrix College

White Hall Classroom Building 244

Social Work

Thu 2:00pm-2:20pm

LGBT Homeless Youth in Boston, Massachusetts: Experiences Regarding Resources and Potential Barriers

Brittney Connery; Bridgewater State University

Thu 2:20pm-2:40pm

Beating South Africa's Endless Plague: Making Life Easier for HIV/AIDS Orphans

Shannon Garrity; Bridgewater State University

Thu 2:40pm-3:00pm

From Cultural Incompetence to Border Patrol: Barriers Preventing Child Welfare Caseworkers from Serving Latino Immigrants

Kurstin Mazzoni; University of Wisconsin, Whitewater

White Hall Classroom Building 245

Biology

Thu 2:00pm-2:20pm

Gene Sequencing of Three-Finger Toxins in Coral Snakes

Jillian Krings; Hendrix College

Thu 2:20pm-2:40pm

Serine Proteases in the venom of the Yucatan Rattlesnake

Ana Caudillo; University of Northern Colorado

Thu 2:40pm-3:00pm

*Gene expression level of serotonin receptor and aggressive behavior in crayfish, *Procambarus Clarkii**

Jeewon So; Colgate University

White Hall Classroom Building 246

Nursing

Thu 2:00pm-2:20pm

The Relationship Between Hair Loss and Other Cancer-Related Symptoms Among Women with Ovarian Cancer

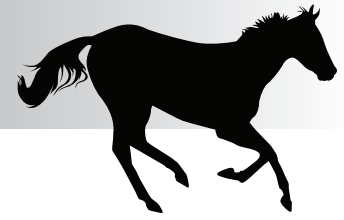
Elizabeth Skrovanek; University of Pittsburgh School of Nursing

Thu 2:20pm-2:40pm

Association between nausea and other gut-brain axis symptoms among women receiving chemotherapy for recurrent ovarian cancer

Leah Rosenblum; University of Pittsburgh School of Nursing

Oral Session 2



Thu 2:40pm-3:00pm

Lung Cancer Worry and Home Screening for Radon and Secondhand Smoke in Renters

Marissa Hooper; University of Kentucky

White Hall Classroom Building 247

Sociology

Thu 2:00pm-2:20pm

Food Disparities: A Qualitative Analysis of the Effects of Accessibility, Ethnicity and Gentrification in Food Choices of Residents in the District of Columbia Utilizing Elite Theory

Natalya Romo; Howard University

Thu 2:20pm-2:40pm

Do You Know What You're Eating?: A Triangulative Analysis of the Effects GMOs Have on Americans' Health Utilizing the Hippocratic Theory

Tiffany Malone; Howard University

Thu 2:40pm-3:00pm

A Triangulative Analysis of Food Production, Distribution and Consumption in Washington, DC Utilizing the Critical Race and Marxist Theories

Paula Onemu; Howard University

White Hall Classroom Building 303

Mathematics

Thu 2:00pm-2:20pm

A Simplified AES with Field Characteristic 3

Suzanne Craig; Boise State University

Thu 2:20pm-2:40pm

On the flag enumeration of the subspace lattice

Cyrus Hettle; University of Kentucky

Thu 2:40pm-3:00pm

Transversal Theory and Reverse Mathematics

Noah Hughes; Appalachian State University

White Hall Classroom Building 306

Media Studies

Thu 2:00pm-2:20pm

The Caped Crusader Then and Now: An Analysis of Batman as an Evolving Cultural Icon

Elizabeth Wambheim; St. Catherine University, St. Paul

Thu 2:20pm-2:40pm

Challenges to an Independent and Impartial Moldovan Media

Rachel Minske; University of Wisconsin, Eau Claire

Thu 2:40pm-3:00pm

The Man Behind the Mask: The Progression of Masculinity in African American Male Characters as seen in films Awarded the NAACP Image Award for Outstanding Actor in a Motion Picture

Aaron Bledsoe; Marquette University

White Hall Classroom Building 316

Sociology

Thu 2:00pm-2:20pm

She versus He: Explaining How the Biological and Mental Differences in the Female and Male Body Causes a Large Division Among the Sexes: Using the Sexual Difference Theory

Richel Duncan; Howard University

Thu 2:20pm-2:40pm

The Affects of Gender Differences in Preschool

Madison Crookham; College of Idaho

Thu 2:40pm-3:00pm

Sexual Onset in Adolescents

Kristin Prescott; Black Hills State University



Oral Session 2

White Hall Classroom Building 331

English

Thu 2:00pm-2:20pm

Using critical thinking to enhance language acquisition: A case study on the role of group work in mainstream classrooms
Kimberly Lilienthal; Elon University

Thu 2:20pm-2:40pm

Interdisciplinary Writing Survey
Marisa Incremona; Northern Arizona University

Thu 2:40pm-3:00pm

"The Passing of the Test is Inconsequential": Exploring the Relationship Between Advanced Placement English Literature and Composition Courses and First-Year Composition Courses
Allyson Hoffman; Hope College

White Hall Classroom Building 333

Literature

Thu 2:00pm-2:20pm

'Aggressive disintegration in the individual': A Lacanian Study of Signification and Self in King Lear
Alexander Muller; Winthrop University

Thu 2:20pm-2:40pm

To "Beg for grace in vain": Intermedial Asides and the Transmedial Shift from Titus Andronicus to Titus
Colin Loeffler; North Central College

Thu 2:40pm-3:00pm

Shakespeare's Prospero: A Rehabilitated Faustus
Andrew Harris; Winthrop University

White Hall Classroom Building 334

History

Thu 2:00pm-2:20pm

"The Father of Insurgency: Father James Groppi in Milwaukee, 1960-1975."
Alexander Chery; University of Wisconsin, La Crosse

Thu 2:20pm-2:40pm

Maryland's United States Colored Troops in the Civil War
Daniel Scotten, Hassan Zaheer; Stevenson University

Thu 2:40pm-3:00pm

Movements from Fear
Rebecca Renfro; University of Kentucky

White Hall Classroom Building 335

Anthropology & Archeology

Thu 2:00pm-2:20pm

Education and Changing Perceptions of Stuttering
Tiffani Kittilstved; Eastern Washington University

Thu 2:20pm-2:40pm

Malawian Women's Pounding Songs
Giulia Perucchio; University of Rochester

Thu 2:40pm-3:00pm

Nepalese Language Endangerment
Holly Frazier; Eastern Washington University

White Hall Classroom Building 336

Literature

Thu 2:00pm-2:20pm

Clues from the Coroner's Report A Reading of T.S. Eliot's The Waste Land under the Lens of the Metaphysical Detective Story
Mary Thompson; Seattle University

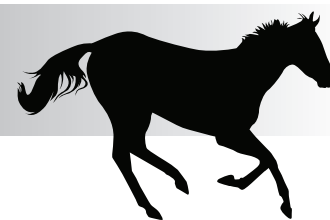
Thu 2:20pm-2:40pm

What the Thunder Said: An Aesthetic Perspective of the Cultural Crisis in 20th Century Europe through the Poetry of T.S. Eliot and the Philosophy of Martin Heidegger
Emily Long; Appalachian State University

Thu 2:40pm-3:00pm

"C'est l'Ennui": T.S. Eliot's Revival of Baudelaire's Ennui in "The Waste Land"
Evan Arceneaux; Valparaiso University

Oral Session 2



White Hall Classroom Building 337

Communications

Thu 2:00pm-2:20pm

Terrorist, Activist, or Victim: A Cross-Cultural Study of Palestinian Labels in International Media

Jenna Potter; Hamline University, St. Paul

Thu 2:20pm-2:40pm

The Effect of Social Media on Political Awareness

Jordan Sakal; Eastern Connecticut State University

Thu 2:40pm-3:00pm

The Gaza-Israel Conflict: How the Media Represents Israelis and Palestinians in 2012

Lauren Meintsma; Luther College

White Hall Classroom Building 338

Mathematics

Thu 2:00pm-2:20pm

Prismoid Unfoldings and Applications to Prismatoids

Arun Jambulapati; University of Memphis

Thu 2:20pm-2:40pm

Perfect Powers in Orbits of Rational Functions

Jacob Spear; Carleton College

Thu 2:40pm-3:00pm

Estimating the Volatility in the Black-Scholes Formula

Rebecca Keenan; Eastern Connecticut State University

White Hall Classroom Building 339

Anthropology & Archeology

Thu 2:00pm-2:20pm

Family, Physicians and Physicality: Ovarian Cancer as a Social Experience

Savannah Tenney; Wheaton College - Massachusetts

Thu 2:20pm-2:40pm

A Family Reunion: Why Kinship is Still Important

Chi Woodrich; University of Kentucky

Thu 2:40pm-3:00pm

Pulling Apart, Coming Together

Ashley Wahnschaff; Loyola University Chicago

White Hall Classroom Building 340

Economics

Thu 2:00pm-2:20pm

Does the Success of a Major Sports Team Affect Sales Tax Revenues for its State?

Matthew Wilson; University of Kentucky

Thu 2:20pm-2:40pm

Irrational Behavior in American Football: A Game Theory Approach

Samuel Wolkenhauer; Eastern Washington University

Thu 2:40pm-3:00pm

An Economic Study of the Richmond Hill Disc Golf Course

Haley Mahoney; University of North Carolina, Asheville

White Hall Classroom Building 341

International Studies

Thu 2:00pm-2:20pm

Prerequisites to a Successful Democratic Transition

Melis Cengiz; American University

Thu 2:20pm-2:40pm

The (D)evolution of the Security Council: A Four-Part Case Study on the post-Cold War Use of the Veto

Rebekah Leo, Sarah Terlizzi; Randolph College

Thu 2:40pm-3:00pm

The Dance Dilemma: An Analysis of the Implications of Dance on Soft Power During the Cold War

Anjali Mehta; American University

White Hall Classroom Building 342

Chemistry

Thu 2:00pm-2:20pm

Citrate Content of Bone: A Potential Measure of Postmortem Interval

Charles Froome; State University of New York, Brockport



Oral Session 2

Thu 2:20pm-2:40pm

Human Scent Differentiation by Demographic Variables
James Roach, Cianna Bedford, Andrew Roy; Saint Olaf College

Thu 2:40pm-3:00pm

Preparation of EDOT-Functionalized Ferrocene Derivatives for Glucose Sensor Applications
Caitlin Kozack; Hope College

White Hall Classroom Building 343

Linguistics & World Languages

Thu 2:00pm-2:20pm

From Typewriters to Database: The Challenges and Rewards of Transcribing Cooke's Manuscript
Angela Cone, Lauren Griffith, Jay Koller; California University of Pennsylvania

Thu 2:20pm-2:40pm

A Portrait of Cooke's Manuscript: The Cultural and Educational Value of Archival Transcription
Jay Koller, Angela Cone, Lauren Griffith; California University of Pennsylvania

Thu 2:40pm-3:00pm

The Focus and Aim of the American Philosophical Society and Charles A. Cooke's Collection, Transcription, and Digitalizing of Iroquois Names into a Database
Lauren Griffith, Angela Cone, Jay Koller; California University of Pennsylvania

White Hall Classroom Building 345

Engineering/Engineering Technology

Thu 2:00pm-2:20pm

A Methodology for Addressing Bicycle / Motor Vehicle Conflict Zones
Christopher Sobie, Jason Luque; Northern Arizona University

Thu 2:20pm-2:40pm

Infrastructure and Area Characteristics at Bicycle-Truck Collision Sites in New York City
Nazana Weeks; Macaulay Honors College - City College

Sustainability

Thu 2:40pm-3:00pm

Bicycling Infrastructure and the Revitalization of the American City
Evangeline Shaw; Virginia Commonwealth University

White Hall Classroom Building 346

Communications

Thu 2:00pm-2:20pm

Winning a war of ideals: The neglected use of artistic expression in cultural diplomacy
Tess Duncan; Elon University

Thu 2:20pm-2:40pm

Musicians as Diplomats: Frames Used in Domestic Media News Coverage of International Jazz Tours
Elena Meskhidze; Elon University

Thu 2:40pm-3:00pm

Who Am I?: An Exploration of Jazz Vocalists' Identity Communicated Through Performance
Alyssa Allgood; North Central College

White Hall Classroom Building 347

Computer Science

Thu 2:00pm-2:20pm

Wireless Sensor Network for Seismic Data Acquisition of Mount Cameroon
Saboor Salaam; Howard University

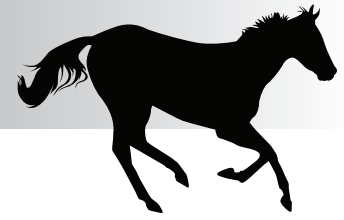
Thu 2:20pm-2:40pm

Monitoring Honeybee Hives Using the Raspberry Pi
Nathan Hernandez, Michael Crawford, Aleksander Ratzloff; Appalachian State University

Thu 2:40pm-3:00pm

Space Shooter Game Implemented in Verilog on Spartan-3E FPGA
Jason Ellers; Utah Valley University

Oral Session 2-3



White Hall Classroom Building 349

History

Thu 2:00pm-2:20pm

More Than a Pretty Picture: The Function of Art in the Plague Years

Shellie Clark; State University of New York, Brockport

Thu 2:20pm-2:40pm

Depictions of Discord: The Sectarian Murals of Northern Ireland

Ellen McKinstry; Carleton College

Thu 2:40pm-3:00pm

Guatemalan Civil Patrols: An Investigation of Pictorial Representations, Community Transformation, and Historical Memory

Anna Harris; Lafayette College

SESSION 3

Fine Arts Building 0308B

Music Research and/or Analysis

Thu 3:30pm-3:50pm

Gustav Mahler's Use of Different Trumpets in Symphonic Writing

David Marvel; Appalachian State University

Thu 3:50pm-4:10pm

Altered but Not Silenced: How Shostakovich Retained His Voice as an Artist despite the Demands of a Dictator

Hope Strayer; Cedarville University

Thu 4:10pm-4:30pm

David Starobin and the Development of Guitar Literature in the 20th Century

George Tabor; Appalachian State University

Fine Arts Building 106

Women and Gender Studies

Thu 3:30pm-3:50pm

Fashion in the Face of Fear

Sarah Orlor; University of Evansville

Thu 3:50pm-4:10pm

Colorism: Perceptions of Beauty

Brittney Long; University of Wisconsin, La Crosse

Thu 4:10pm-4:30pm

Palm Trees and Cement Dreams: The Migration of Caribbean Women, from the Anglo-Caribbean to New York City, 1900-1945

Sherri Cummings; Brooklyn College

Fine Arts Building 17

Biology

Thu 3:30pm-3:50pm

THE EFFECTS OF DIET, ECOLOGY, AND PHYSIOLOGY ON THE EVOLUTION OF ENDOTHERMIC GASTROINTESTINAL TRACT LENGTHS

Thomas Linscott; University of Tulsa

Thu 3:50pm-4:10pm

Determining megakaryocytes in ground squirrels throughout hibernation

Molly Fahrenkrog; University of Wisconsin, La Crosse

Thu 4:10pm-4:30pm

Estimating Body Fat Content in the Black Spiny-Tailed Iguana using Body Condition Indices

Harvir Grewal; Truman State University

Fine Arts Building 208

History

Thu 3:30pm-3:50pm

U.S.-Argentine Relations in the Cold War: Operation Condor and the Argentine Nuclear Program, 1976-1983

Robert Belle; University of Wisconsin, La Crosse

Thu 3:50pm-4:10pm

From Immigrants to Emigrants: The Argentine Brain Drain of the 21st-Century

Mitchell Stith; Capital University

Thu 4:10pm-4:30pm

Uncle Sam Wants Your Business: U.S. Interventionism in Guatemala, 1944-1954

Samuel Tomten; Carthage College



Oral Session 3

Fine Arts Building 004

Music Research and/or Analysis

Thu 3:30pm-3:50pm

Strengthening Your Core: The Rise of Violons du Roi
Jacob Tudor; Cedarville University

Thu 3:50pm-4:10pm

When Students Switch Instruments: Techniques for Successful Embouchure Change
R Cloud, Jaime Escatel; Eastern Illinois University

Thu 4:10pm-4:30pm

Learning to Play: Cognitive and Physical Development and Requirements of Young Piano Students.
Amy Carmichael; Cedarville University

Fine Arts Building 006

Sociology

Thu 3:30pm-3:50pm

A "New American Bourgeoisie"?: A Qualitative Analysis of Reality Television Families' Rise to Prominence Using Cultural Selection and Social Learning Theories
Tamara Finlayson-Fuller; Howard University

Thu 3:50pm-4:10pm

"Mickey Got it Wrong, Eh?: Disney EPCOT's Stereotyping of Canadian Culture"
Kasie Durkit; Bowling Green State University

Thu 4:10pm-4:30pm

LGBTV: Television's Relationship With Same-Sex Marriage Legislation
Kathryn Fagan; Hendrix College

Lucille Caudill Little Fine Arts Library 301

International Studies

Thu 3:30pm-3:50pm

What's Love Got to Do With it: Hybridization of Marriage in the Ashanti Region, Ghana
Katie Rawls; Hamline University

Interdisciplinary Studies

Thu 4:10pm-4:30pm

Porn and Prejudice: Positive and Intentional Relationships with Pornography
Katherine Granath; Seattle University

Lucille Caudill Little Fine Arts Library 302

Literature

Thu 3:30pm-3:50pm

Types of Literature Produced by Korean Adoptees
Katelyn Wescoat; Hope College

Thu 3:50pm-4:10pm

Germany's Capital: The National Identity and External Reputations of Berlin
Bryce Jones; Ohio State University

Thu 4:10pm-4:30pm

Atomic Colossus: (Re)presenting the Atomic Bombings of Hiroshima and Nagasaki
Taylor Waring; University of Wisconsin, Oshkosh

Patterson Office Tower 107

Criminology

Thu 3:30pm-3:50pm

An Analysis of the Motivation of Female Serial Killers
Brian Rodrigues; Virginia Commonwealth University

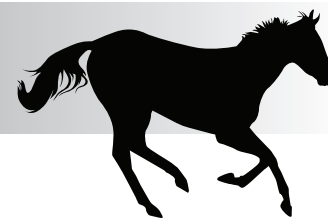
Thu 3:50pm-4:10pm

Intimate Partner Violence and Pregnancy: Factors, Prevalence, and Consequences
Angelique Blake; Iona College

Thu 4:10pm-4:30pm

The Impact of Prison Deinstitutionalization on Community Treatment Services
Karla Alfaro; City University of New York

Oral Session 3



Patterson Office Tower 108

Physiology

Thu 3:30pm-3:50pm

Role of Hydrogen Sulfide in Homocysteine Induced Neurovascular Remodeling

Philip Kyles; Eastern Kentucky University

Thu 3:50pm-4:10pm

*Investigating how cold-acclimation resets intrinsic heart rate in *Trachemys scripta**

Theresa Cho; University of Alaska Anchorage

Thu 4:10pm-4:30pm

*The Effects of Mild, Moderate and Extreme Hypothermia on the Viability of Excised *Ciona intestinalis* Hearts*

Katherine Holloway; Winthrop University
Patterson Office Tower 110

Physics

Thu 3:30pm-3:50pm

*Analyzing topological defects in disordered charge density waves in transition-metal dichalcogenides *TaS2* and *TaSe2**

Danielle Schaper; Berea College

Thu 3:50pm-4:10pm

Spray Pyrolysis of Zinc Tungstate Thin Films

Brandon Zink; University of Wisconsin, La Crosse

Thu 4:10pm-4:30pm

Synthesis and exploration of Half-Metallic Heusler Alloys

Kyle Godbey; Berea College

Patterson Office Tower 112

Nutrition

Thu 3:30pm-3:50pm

Protein Shakes for Muscle Rehabilitation

Selina Ribnick, Jasmine Turner, Lauren Boggs, Michael

Muchmore; University of Memphis

Thu 3:50pm-4:10pm

Protein vs. Carbohydrate Supplementation Effects on Endurance Runners

Holly Reiland; University of Minnesota

Thu 4:10pm-4:30pm

Enhancing the Nutritional Quality of Flour Tortillas: An Investigation of Consumer Receptivity to a Fortified Tortilla Product

Anna Hayes; St. Catherine University, St. Paul

Patterson Office Tower 113

Astronomy

Thu 3:30pm-3:50pm

Analysis of the Effect of Mosaics on Principle Component Analysis

Sean Hoyt; Rowan University

Thu 3:50pm-4:10pm

Testing Normalization Schemes of Uncalibratable NIR Spectral Images of Mars Using Principal Component Analysis

Sarah Kessler; Rowan University

Thu 4:10pm-4:30pm

Using PCA With the 2 μ m Band Excluded Over Normalization Schemes to Analyze Uncalibratable NIR Spectral Images of Mars

Phillip Chandler; Rowan University

Patterson Office Tower 145

Psychology

Thu 3:30pm-3:50pm

Core Personality Traits as Predictors of Social-Emotional Adjustment and Pre-Literacy Skills in Preschool Children

Olivia Lochner; Western Carolina University

Thu 3:50pm-4:10pm

Designing the Most Beneficial Psychological Intervention Programs to Prevent Depression and Anxiety in Pediatric Oncology Patients During Diagnosis and Treatment

Sarah Rogan; Virginia Commonwealth University

Thu 4:10pm-4:30pm

Effective Treatments for the Psychological Factors Associated with Pediatric Cancer

Arifa Zaidi; CUNY Brooklyn College



Oral Session 3

Patterson Office Tower 003

Political Science

Thu 3:30pm-3:50pm

“Not Utilizing the Right After The Fight”: A Triangulative Analysis of the Disconnection between the Y Generation’s Right to Vote and the Exercising of that Right Utilizing the Conflict Theory

Daniel Martin; Howard University

Thu 3:50pm-4:10pm

Strengthening the Electorate by Improving the Role of Student Government in United States Colleges

Diane Hahn; Carthage College

Thu 4:10pm-4:30pm

Is Western Carolina University Truly Purple?

Heather Britt, Matt Rains; Western Carolina University

Patterson Office Tower 005

History

Thu 3:50pm-4:10pm

The Vietnam War & The Vietnamese Experience

Alison Lange; Carthage College

Thu 4:10pm-4:30pm

How did the relationship with the Republic of France affect the Kingdom of Cambodia in the aftermath of the Khmer Rouge regime?

Tyler Lockett; Truman State University

Patterson Office Tower 007

Education

Thu 3:30pm-3:50pm

Model Rocket Launch and Simulation as a Pedagogical Tool

Elly Couch, Kayla Dailey, Baillie Graves; University of North Alabama

Thu 3:50pm-4:10pm

Achieving “The Best Moments in Learning” : A Comparative Analysis of Pedagogical Methodologies in a Traditional American Public High School and a STEM Academy.

Sarah O’Hare; Eastern Washington University

Thu 4:10pm-4:30pm

Getting Middle School Students Interested in STEM

Lydia Speler, William Schooler; University of Kentucky

Patterson Office Tower 009

English

Thu 3:30pm-3:50pm

Functional Illustration - A Unified Mode

Kelly Mullins; Montana State University, Bozeman

Thu 3:50pm-4:10pm

Digital Literature Review: Building an Undergraduate Academic Journal

Lauren Lutz, Shelby Hatfield, Esther Wolfe, Wendy Faunce, Jared Lynch, Kameron McBride, Jared Lynch, Ashley Starling; Ball State University

Thu 4:10pm-4:30pm

High School Journalism and Media Literacy in the Modern Classroom

Alan Hoffmann; Montana State University, Bozeman

Singletary Center - President’s Room

Music Arranging

Thu 3:30pm-3:50pm

Is Silence Golden: Creating a Soundtrack for a Silent Film

Brandon Douglas; Albion College

Music Original Composition

Thu 3:50pm-4:10pm

Orchestration of a Large Scale Music Composition

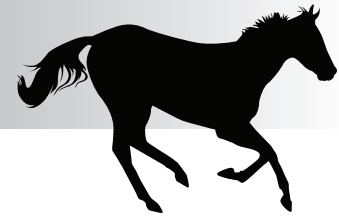
Jordan Chase; Keene State College

Thu 4:10pm-4:30pm

The Harmony Initiative

Justin Beebe, David Myers, Josh Blue; Western Carolina University

Oral Session 3



White Hall Classroom Building 102

Psychology

Thu 3:30pm-3:50pm

The Effect of Modality and Gender on the Acquisition of Anecdotal Information

Nathan Roberts; Olivet Nazarene University

Thu 3:50pm-4:10pm

The Effects of Gender Priming on Memory

Asli Ahmed; Hendrix College

Thu 4:10pm-4:30pm

The Effect of Temperature Priming on Perceived Gender

Jeremy Schulze, Allison Galloway; Hendrix College

White Hall Classroom Building 110

Psychology

Thu 3:30pm-3:50pm

Bullying: Different types of Defending Behaviors and Social Skills

Erin Tomasino, Chloe Suchy; Eastern Illinois University

Thu 3:50pm-4:10pm

Emotional and Behavioral Health Characteristics of Adolescents Who Carry Guns to School

Sudip Bhandari; St Olaf College - Admissions

Thu 4:10pm-4:30pm

An In-Depth Study of Crisis Intervention Team (CIT) Effectiveness: The Bexar County, Texas Model

Catherine Hill; University of the Incarnate Word

White Hall Classroom Building 114

Psychology

Thu 3:30pm-3:50pm

Why Do Infants Attend to a Speaker's Mouth?

Briana Faringer; Ithaca College

Thu 3:50pm-4:10pm

Camp Ramapo: An Evaluation of an Education and Behavior Modification Program for Autistic Youth

Jamon Pulliam; Tuskegee University

Thu 4:10pm-4:30pm

Skill Acquisition in Typing

Emily Paolillo; Brooklyn College

White Hall Classroom Building 122

Psychology

Thu 3:30pm-3:50pm

Testing a Dual Pathway Model of Disrespect

Kathleen Kiger, Victor Bullock, Amelia Perry; Longwood University

Thu 3:50pm-4:10pm

The Prevalence of Isolated Sleep Paralysis Among African Americans

Michaela Crutsinger; Virginia Commonwealth University

Thu 4:10pm-4:30pm

Hip-Hop and Black Identity: A Psychological Study

Explaining How Modern Hip-Hop Relates to Black Identity and How It Has Created Signs of Complacency in Today's

African-American Youth Culture

Neena Speer; Howard University

White Hall Classroom Building 201

History

Thu 3:30pm-3:50pm

Livy's and Polybius' Narrative of Hannibal and the Presentation of Rome's Military Machine

Jordan Slavik; Saint Louis University

Thu 3:50pm-4:10pm

"The Grand and Terrible March": How Confederate

Perceptions of the Savannah Campaign Influenced Sherman's Success

Joshua Whitfield; Mercer University

Thu 4:10pm-4:30pm

Attempts to Stop the Bleeding: Aid Societies and Family Conflict during Bleeding Kansas in Linn and Bourbon

Counties

William McClure; University of Evansville



Oral Session 3

White Hall Classroom Building 203

Health Sciences & Public Health

Thu 3:30pm-3:50pm

Are You Satisfied? : An Evaluation of Participant Satisfaction of Adults with Developmental Disabilities Receiving Service from the People Achieving Connections Together (PACT) Center

Briana Bonner; Truman State University

Thu 3:50pm-4:10pm

Explaining State Variation in Medicaid Expenditures

Deina Bossa; University of Florida

Thu 4:10pm-4:30pm

Music and Art in Medicine: A Pre-Health & Medical Student Initiative to Improve Quality of Life for Nursing Home and Assisted Living Residents

Jade Heverly-Campbell; University of Texas, San Antonio

White Hall Classroom Building 204

Political Science

Thu 3:30pm-3:50pm

An Evaluation of the Morality of the United States' Justice System in Terms of the Social Contract Theory

Johannedra Robinson-Mackey; Howard University

Thu 3:50pm-4:10pm

Discrepancies in Sentencing of Juvenile Offenders with Disabilities

Grayson Keating; Western Carolina University

Thu 4:10pm-4:30pm

The Failure of Traditional Incarceration Measures: The Need for Alternative Sentencing

Cooper Jones; Xavier University

White Hall Classroom Building 205

Ecology & Organismal Biology

Thu 3:30pm-3:50pm

SHORT-TERM RESPONSE OF THE BENTHIC MACROINVERTEBRATE COMMUNITY TO CATASTROPHIC FLOODING IN CENTRAL PENNSYLVANIA

Samuel Silknetter; Susquehanna University

Thu 3:50pm-4:10pm

Small mammal responses in relation to vegetation recovery in patch-burn grazing pastures

Armand Cann; Xavier University

Thu 4:10pm-4:30pm

*To Forage, or not to Forage: The Perception of Fear in *Phodopus sungorus**

Amber Moore; Ithaca College

White Hall Classroom Building 207

African American Studies

Thu 3:30pm-3:50pm

The "Outlaw Woman" in Black Women's Fiction: A Literary Response to the Politics of Respectability

Danielle Procope; University of the Pacific

Thu 3:50pm-4:10pm

Solidarity is Reserved for White Women: Examining the Exclusionary Role Plaguing Women of Color in American Feminism Utilizing the Sexual Difference and Critical Race Theories

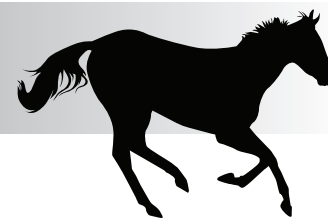
Jelicia Diggs; Howard University

Thu 4:10pm-4:30pm

The New Black Woman: Analyzing the Portrayal of African American Women in the Media Post-Slavery versus the 21st Century Utilizing the Social Learning Theory

Zenani Greenwell; Howard University

Oral Session 3



White Hall Classroom Building 208

Interdisciplinary Studies

Thu 3:30pm-3:50pm

Sexual Health of Freshmen Females living in residences halls of UW-Stout

Stephanie Hintz; University of Wisconsin, Stout

Marketing

Thu 3:50pm-4:10pm

College Students' Responses to Advertising Appeals on Condoms

Alison Chan, Ryan Milan; Central Connecticut State University

Nursing

Thu 4:10pm-4:30pm

Reducing Risk and Improving Protective Factors in Teen Dating Violence

Linden Wu; University of Pittsburgh School of Nursing

White Hall Classroom Building 209

Biochemistry

Thu 3:30pm-3:50pm

The Oxidative Mechanism of Docosahexaenoic Acid: The Relationship to Attention Deficit Hyperactivity Disorder

Rebecca Schneider; Elon University

Thu 3:50pm-4:10pm

MitoNEET: Reduction in Insulin Resistance through Ameliorated Oxidative Stress?

Nicolas Ferry, Megan Laffoon; Eastern Illinois University

Thu 4:10pm-4:30pm

Analysis of the Oligomeric State of MitoNEET: A Novel Type-2 Diabetes Drug Target

Jacquelyn Crail; Eastern Illinois University

White Hall Classroom Building 211

Biological Engineering

Thu 3:30pm-3:50pm

Effectiveness of Single Chamber Microbial Fuel Cell

Sajeeda Chin; Howard University

Thu 3:50pm-4:10pm

Psychological and Physical intervention on the outcome of Hematopoietic Stem Cell Transplantation

Savraj Saggi; Virginia Commonwealth University

Thu 4:10pm-4:30pm

Macrophages as the Carriers of Multistage Vector Abraxane in Liver Metastases: Insights into the Mechanism In-Vitro

Pooja Yesantharao; Rice University

White Hall Classroom Building 212

Sociology

Thu 3:30pm-3:50pm

Modern Day Abolitionists: Ideology, Conflict, and Coalitions in the Anti-Human Trafficking Movement

Lilly Yu; Rice University

Thu 3:50pm-4:10pm

Violence Against Housemaids in the State of Qatar

Maryam Al Yafei; Qatar University

Thu 4:10pm-4:30pm

How we should address aid in Zimbabwe, for a better tomorrow.

Bernice Jere; Salisbury University

White Hall Classroom Building 213

Religious Studies

Thu 3:30pm-3:50pm

Mr. Moyers Goes To Myth Land: The Power of Myth Revisited

Daniel Gorman Jr.; University of Rochester

Thu 3:50pm-4:10pm

Onions, Batkid and Jesus: Living Dostoevsky's Good Life

Mackenzie Moody; Western Carolina University



Oral Session 3

Thu 4:10pm-4:30pm

Kali Bhakti: Re-Entering the Womb of the Great Mother
Nicole Petersen; Hamline University

White Hall Classroom Building 214

Biology

Thu 3:30pm-3:50pm

*Ploidy modulation of field pennycress (*Thlaspi arvense*) provides tools for development of a biodiesel feedstock and winter cover crop*
Kirk Amundson; University of Minnesota

Thu 3:50pm-4:10pm

Creating time-lapse movies of plant growth and development
Cody Groen; Saint John's University

Thu 4:10pm-4:30pm

OPTIMIZATION OF BIOGAS PRODUCTION CONDITIONS USING PILOT SCALE MESOPHILIC AND THERMOPHILIC ANAEROBIC DIGESTERS
Victoria Dillard; Howard University

White Hall Classroom Building 215

Business/Finance/Accounting

Thu 3:30pm-3:50pm

A Proposal to Change the Deduction for Employee Stock Options and Stock Grants
Christopher Margiotta; Fordham University

Thu 3:50pm-4:10pm

The Effect of the SEC's Modernization of Oil and Gas Company Disclosures on Stock Prices
Katherine Buckle; Fordham University

Thu 4:10pm-4:30pm

Of Mice and Men: Financial Calamity and Press Coverage of the Dodd-Frank Act
Jared Poole; Abilene Christian University

White Hall Classroom Building 217

Engineering/Engineering Technology

Thu 3:30pm-3:50pm

Finite Element Sensitivity for Plasticity using Complex Variable Methods
Armando Gomez-Farias; University of Texas, San Antonio

Thu 3:50pm-4:10pm

Material Determination using Spark Observation
Raymond Dalke; Midwestern State University

Thu 4:10pm-4:30pm

Flexural Test of Repair Resin: Comparison of Experimental and FE Modeling Results
Rana Abdelsalam; East Carolina University

White Hall Classroom Building 219

Biology

Thu 3:30pm-3:50pm

*Genetic Diversity of *Monilinia vaccinii-corymbosi*, a fungal pathogen of blueberry*
Megan Miller; Eastern Illinois University

Thu 3:50pm-4:10pm

INTRON DEGENERATION IN THE LICHEN FUNGI TELOSCHISTES
Derek Kleier; University of Nebraska, Kearney

Thu 4:10pm-4:30pm

*Mechanisms of Anti-fungal Resistance in *Candida Albicans**
Jasmine Vickery; Wayne State University

White Hall Classroom Building 231

Education

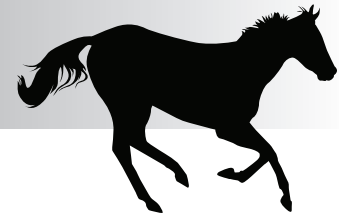
Thu 3:30pm-3:50pm

Confidence Building in English Language Learners
Alejandra Vazquez; Dominican University of California

Thu 3:50pm-4:10pm

Do Professors Grade International Students Differently?
Caroline Eckstrom; Dordt College

Oral Session 3



Thu 4:10pm-4:30pm

A Record of Success: Journaling in the Secondary English Classroom

Chelsea Bergmann; Winthrop University

White Hall Classroom Building 233

Physics

Thu 3:30pm-3:50pm

Oscillations in Power and Structure During the Transition to Defect Turbulence

Marcus Daum; George Mason University

Mathematics

Thu 3:50pm-4:10pm

Dynamics of Negatively-Refracted Light in Tilings

Jenny Rustad; Luther College

Engineering/Engineering Technology

Thu 4:10pm-4:30pm

Photon Detector Orientation for an Event Vetoing Scheme

Andrew Mahon; University of Minnesota, Twin Cities

White Hall Classroom Building 234

Engineering/Engineering Technology

Thu 3:30pm-3:50pm

CORRELATIONAL STUDY OF OPEN CIRCUIT RESONANT (SANSEC) SENSOR'S ELECTRIC FIELD DISTRIBUTION ON LIGHTNING ATTACHMENT

Kayla Farrow; Old Dominion University

Thu 3:50pm-4:10pm

Design of Rectangular Current Carrying Coils to Generate Controllable Magnetic Fields

Ryan Daniels; Lawrence Technological University

Thu 4:10pm-4:30pm

Magnetic and Electrostatic Hybrid Microstructures for Microfluidic and Microrobotic Applications

Tyler Flynn; University of Kentucky

White Hall Classroom Building 235

Communications

Thu 3:30pm-3:50pm

A Fantasy Theme Analysis of Twitter Being Used to Promote Online Dating Websites: #DatingAdvice?

Briana Maddalena; Juniata College

Thu 3:50pm-4:10pm

Consumer Engagement on Twitter and its Effect on Sales: A Content and Empirical Analysis of Twitter Use During an Award Show

Kyrstin Wallach; Elon University

Thu 4:10pm-4:30pm

Nothing Brings People Together Like Grumpy Cat: Internet Memes and Group Convergence

Elaine Johnson; University of Wisconsin, La Crosse

White Hall Classroom Building 237

Diversity Studies

Thu 3:30pm-3:50pm

Racial Insensitivity of Asian American Male Portrayals in Contemporary Media: Looking Inside Maxine Hong-Kingston's China Men

Crystal Gu; University of the Pacific

Thu 3:50pm-4:10pm

A Defense of Reductionism: Issues in Personal Identity

Ryan Dougherty; Jacksonville University

Thu 4:10pm-4:30pm

Stoicism and Soldiering

Timothy Edgren; John Brown University

White Hall Classroom Building 238

History

Thu 3:30pm-3:50pm

The Slander Trials of Jane James: A New Model of Female Agency in Seventeenth-Century Massachusetts

Timothy Holliday; Xavier University



Oral Session 3

Thu 3:50pm-4:10pm

Late 19th Century British Imperialism and British Feminists' Discourse on the "Plight" of Indian Women
Emma DeFontes; Seattle University

Thu 4:10pm-4:30pm

The Agency of Iroquois Women Through Corn
David Perrotto; Adelphi University

White Hall Classroom Building 239

Cell & Molecular Biology

Thu 3:30pm-3:50pm

Characteristics and Effects of Muscular Dystrophy in Broiler Chickens
Kayla Smith; Coastal Carolina University

Thu 3:50pm-4:10pm

Discovery of Novel Arenavirus NP-Host Factor Interactions via the Yeast-Two Hybrid System
Patrick Schupp; University of Rochester

Thu 4:10pm-4:30pm

Biomimetic Approaches in Cryopreservation
Blake Stokich; Eastern Illinois University

White Hall Classroom Building 240

Social Work

Thu 3:30pm-3:50pm

A Microenterprise Program Evaluation in Urban and Rural Minnesota
Caitlyn Wright, Eleanor O'Neil; St. Catherine University, St. Paul

Thu 3:50pm-4:10pm

Opinions on Immigration Throughout the Geographic Regions of Kentucky
Tyler Davoren; University of Kentucky

Thu 4:10pm-4:30pm

Breaking Down Long-Term Care: A Comparative Analysis of Long-Term Care in the United States and Taiwan
Stephanie Skees; George Mason University

White Hall Classroom Building 241

Computer Science

Thu 3:30pm-3:50pm

An Implementation of a Biological Data Management System
Jaleesa Harrigan; Howard University

Thu 3:50pm-4:10pm

Building a bioinformatics software pipeline for large-scale genome comparisons
Joedocei Hill, Daylynn Allison; University of Kentucky

Thu 4:10pm-4:30pm

Design and Implementation of Apriori and K-means Parallel Data Mining Algorithms
Erich Hohenstein; Morehead State University

White Hall Classroom Building 242

Media Studies

Thu 3:30pm-3:50pm

The Disneyization of Tomorrow: Walt Disney's Carousel of Progress and the Dystopian Picture it Paints
Kelly Rasmussen; North Central College

Thu 3:50pm-4:10pm

Analysis of Physical Appearance of Antagonists/Protagonists in Classic Disney Movies
Aisha Rehman; Wayne State University

Thu 4:10pm-4:30pm

KET Television Show: The Process
Pamela Hammond; Morehead State University

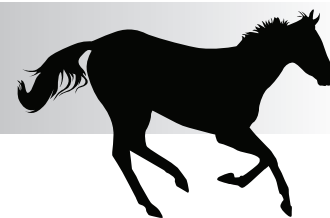
White Hall Classroom Building 243

Anthropology & Archeology

Thu 3:30pm-3:50pm

Compression Testing of Deer Femora as an Animal Model for Automobile Accidents
Jennie Coffel; Western Carolina University

Oral Session 3



Thu 3:50pm-4:10pm

Patterns of Osteoarthritis in a Classic Period Mimbres Skeletal Sample
Chelsea Palmateer; Hamline University

Thu 4:10pm-4:30pm

The Effects of Intentional Cranial Deformation on Closure of the Sphenoid Fontanelle
Nambi Gamet; Eastern Washington University

White Hall Classroom Building 244

Nursing

Thu 3:30pm-3:50pm

Exploring and Understanding Experiences and Developmental Stages of Healthy Siblings of Pediatric Oncology Patients
Allison Stark; University of Tennessee - Knoxville

Thu 3:50pm-4:10pm

Exploring the role of digital storytelling in pediatric oncology patients' perspectives regarding diagnosis: A pilot study
Dabney Wilson; University of Tennessee - Knoxville

Thu 4:10pm-4:30pm

Identification of Student Nurses' Perceptions of Nursing in Bengaluru India: A Photovoice Study
Chelsea Goodman, Abigail Pinto; Baylor University Waco-University Development

White Hall Classroom Building 245

Economics

Thu 3:30pm-3:50pm

Food Accessibility in Cincinnati, Ohio.
Pamela Meyerhofer; Xavier University

Thu 3:50pm-4:10pm

India's Agricultural Crisis in Light of a Chayanovian Theoretical Framework
Max Snyder; Seattle University

Thu 4:10pm-4:30pm

Impact of Zero-Price Goods in Competitive Markets Using WTP Models
Cory Gunderson; University of Wisconsin, Stout

White Hall Classroom Building 246

Environmental Studies & Sciences

Thu 3:30pm-3:50pm

Density Mapping of Trees on the University of Illinois at Springfield Grounds using Cloud Enabled GIS.
Nate Hoyle; University of Illinois at Springfield

Thu 3:50pm-4:10pm

Evaluating Sustainability of Commuter Transportation at Western Carolina University
William Wood; Western Carolina University

Thu 4:10pm-4:30pm

Assessment of Environmental Awareness among Utah Valley University Students
Ashley Ostraff; Utah Valley University

White Hall Classroom Building 247

Education

Thu 3:30pm-3:50pm

Will Sell Manuscripts for Food: How Literary Agenting Provides a Practical Application to English Majors' Post-Graduation Dilemma
Keilah Sullivan; Truman State University

Thu 3:50pm-4:10pm

Determining Research Priorities for Refugee and Immigrant Adolescent School Success
Summer Awad; University of Tennessee - Knoxville

Thu 4:10pm-4:30pm

Sherman Alexie and the Hybridity of the Native American Adolescent in Educational Systems
Katherine Day; Elon University

White Hall Classroom Building 303

Literature

Thu 3:30pm-3:50pm

Shakespeare's Game of Thrones: "Hamlet" and the Elizabethan Succession Question
Tyler Auffhammer; Western Carolina University



Oral Session 3

Thu 3:50pm-4:10pm

Finding Elizabeth I in Shakespeare's Richard II
Chelsea Chafin; Ohio State University

Thu 4:10pm-4:30pm

Political Theater in Richard II: Allusions to Queen Elizabeth That Inspired and Doomed the Essex Rebellion
Brierly Wills; Winthrop University

White Hall Classroom Building 306**Engineering/Engineering Technology****Thu 3:30pm-3:50pm**

Short-Range Wireless Communications for Vehicular Ad hoc Networking
Joshua Blasius; Georgia Southern University

Thu 3:50pm-4:10pm

Autonomous Control of an Unmanned Ground Vehicle
Francis Chabotte, Randall Fisher, Jon Macomber;
University of Northern Iowa

Thu 4:10pm-4:30pm

Development of Optimal Data Fusion of 2D Laser Scanner and Camera for Rear View Gap Detection of an Autonomous Vehicle
Patrick Buah, Camille Carter; Howard University

White Hall Classroom Building 316**Biology****Thu 3:30pm-3:50pm**

Kinetic Identification of Membrane Transporters that Assist Transcellular Transport of P-gp Substrates Across Confluent Cell Monolayers
Aqsaa Chaudhry; Drexel University

Thu 3:50pm-4:10pm

Overexpression of atypical PKC influences MT integrity in HeLa Cells
Nikunj Talati; Wayne State University

Thu 4:10pm-4:30pm

Antimicrobial Properties of Hydrosols Isolated from Anthoxanthum (Poaceae) Against Soil Bacteria
Preston Manwill, Harsh Kansagra; Southern Utah University

White Hall Classroom Building 331**Sociology****Thu 3:30pm-3:50pm**

Dissembling the Social: Following HIV through the Social Body
Samuel Pizelo; University of Washington, Seattle

Thu 3:50pm-4:10pm

El Sistema Nacional de Salud de España: A look into Spain's health care system
Jessica McLamb; Western Carolina University

Thu 4:10pm-4:30pm

Health Care Quality: An Evaluation of Doctor/Patient Interactions for Hispanic Patients in Rural Central Wisconsin
German Hernandez; University of Wisconsin, Stout

White Hall Classroom Building 333**Economics****Thu 3:30pm-3:50pm**

Why here and not there? A look at participation in direct selling across countries
Kami Ehrich; Hamline University, St. Paul

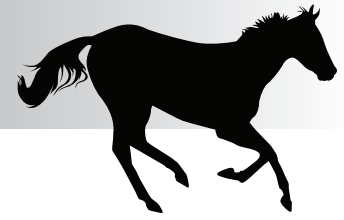
Thu 3:50pm-4:10pm

Parameters of Predictability: A Numerical Approach to Trading Support and Resistance Trend Lines
Jacob Amos; Concordia College, Moorhead MN

Thu 4:10pm-4:30pm

CUSTOMS UNIONS AND TRADE LIBERALIZATION: AN EVALUATION OF THE NORTH AMERICAN FREE TRADE AGREEMENT
Jose Camacho; University of Texas, San Antonio

Oral Session 3



White Hall Classroom Building 334

Political Science

Thu 3:30pm-3:50pm

The Impact of Campaign Visits by Returning Presidential Candidates

Miles Foltynowicz; Southern Illinois University
Edwardsville

Thu 3:50pm-4:10pm

Table for Two: Why Third-Party Candidates Have a Winning Issue in Congressional Races

Gregory Lademann; Western Carolina University

Thu 4:10pm-4:30pm

How Do We Stack Up? Impact of Domestic and Comparative GDP per capita on Presidential Approval

Caroline Kelley; Hendrix College

White Hall Classroom Building 335

Computer Science

Thu 3:30pm-3:50pm

Using Computational Tools to Understand the Sounds of a Bee Hive

Dakota Murray; Appalachian State University

Thu 3:50pm-4:10pm

UTILIZING COMPUTER VISION TO CONTROL THE SPREAD OF HORN FLIES

Daniel Russell; University of Nebraska, Kearney

Thu 4:10pm-4:30pm

Network Traffic Routing Module for the Geni Desktop

Michael O'Brien, Kevin Andrew; University of Kentucky

White Hall Classroom Building 336

Art History

Thu 3:30pm-3:50pm

The Rosetta Stone: A Case for World Heritage

Debra Lustig, Megan Ligday; Radford University

Thu 3:50pm-4:10pm

The Roots of Modern American Museum Practices

Anthony Huffman; Centre College

Thu 4:10pm-4:30pm

Bringing it home: The Lexington Art League's Artist Archive Project

Austin Martin, Olivia Lasheen; University of Kentucky

White Hall Classroom Building 337

Mathematics

Thu 3:30pm-3:50pm

Adaptive Test for Comparison of Several Treatments with a Control

Justin Staples; Utah Valley University

Thu 3:50pm-4:10pm

Modeling Mixing Effects on Harmful Algal Blooms in Eutrophic Lakes

Nicholas Myers, Jason Zellmer, Kimberly Siegler; University of Wisconsin, Milwaukee

Thu 4:10pm-4:30pm

Self-Stabilization under Minimal Liar's Domination for Path Graphs

Rebecca Heinen, Emma Julia Jones; North Central College

White Hall Classroom Building 338

Art History

Thu 3:30pm-3:50pm

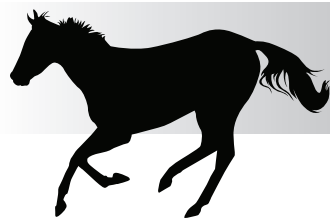
A Consolidation of Art and Physics: The Ancient and Spiritual influences on Contemporary, Kinetic Installations

Ashley Smith; University of Central Oklahoma

Thu 3:50pm-4:10pm

Use, Emulation, or Both? Early 15th Century Sculptors' Treatment of Antiquity in Florence

Eliza Graham; Colgate University



Oral Session 3

Thu 4:10pm-4:30pm

Chimerical Genius: The Architecture of Francesco Borromini
Emily Hagen; Truman State University

White Hall Classroom Building 339

Chemistry

Thu 3:30pm-3:50pm

A Novel Crystallization Technique for Glycine: Droplet Dehydration via Hydrogel
Peter Vitale; Iona College

Thu 3:50pm-4:10pm

Effective Coating of Aerogels onto Solid Supports for Applications in Automotive Catalysis
Yi Cao; Union College

Thu 4:10pm-4:30pm

Preparation and Analysis of Ibuprofen-doped Silica Aerogels for Drug Delivery Applications
Travis Barker; Union College

White Hall Classroom Building 340

Chemistry

Thu 3:30pm-3:50pm

Investigation of student attitudes and understanding in general chemistry
Rachel Egdorf; University of Wisconsin, Eau Claire

Thu 3:50pm-4:10pm

Tetraarylphosphonium Units in Materials Chemistry
Nikolas Hopkins; Clemson University

Thu 4:10pm-4:30pm

There and Back Again: A Chemist's Tale of Studying Molecular Shape and Reactivity
Megan Schutzbach; Eastern Illinois University

White Hall Classroom Building 341

Communications

Thu 3:30pm-3:50pm

Interpersonal Communication and the Digital Era
Yasmine Lozano; Eastern Illinois University

Thu 3:50pm-4:10pm

Modern Lies: Deception Detection in CMC and FtF Platforms
Phillip Barnett; University of Kentucky

Thu 4:10pm-4:30pm

Bullying Extended: Cyber Bullying and Personal Limitations
Nicholas Kelly; Georgetown College

White Hall Classroom Building 342

History

Thu 3:30pm-3:50pm

Anarchy Is Order: An Historical Reevaluation of Anarchism, the Most Misunderstood Political Philosophy
Ben Norton; University of Kentucky

Literature

Thu 3:50pm-4:10pm

"I'll spend the rest of my life in this arena, trying to think my way out.?" Deconstruction Within the Hunger Games
Lindsey Monroe; Winthrop University

Thu 4:10pm-4:30pm

Control through Virtuality in the Dystopian Future of V for Vendetta
Adam Jones; University of Utah

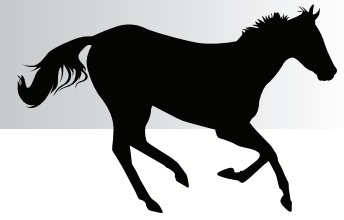
White Hall Classroom Building 343

Interdisciplinary Studies

Thu 3:30pm-3:50pm

Love It to Death: Tracing Edgar Allan Poe in Alfred Hitchcock's Psycho
Laura Ayala; Macaulay Honors College - Hunter

Oral Session 3-4



Thu 3:50pm-4:10pm

You Found a Way to Break Out: Self-Love as Revolution in Janelle Monáe's The Electric Lady
Amelia Holmes; Western Carolina University

English

Thu 4:10pm-4:30pm

Mechanical Love: Objectification, Emptiness, and Potential for Change in The Waste Land
Bethany Wiersma; Valparaiso University

White Hall Classroom Building 345

Philosophy & Ethics

Thu 3:30pm-3:50pm

Aristotelianism and Obesity Legislation: How Capitalist Values and Governmental Regulation Can Successfully Co-Exist
Joseph Seipel; Bowling Green State University

Thu 3:50pm-4:10pm

A Contractarian Theory of Cooperation
Andrew Miles; Roanoke College

Thu 4:10pm-4:30pm

Can States "Promise"?
Kevin Julka; Edgewood College

White Hall Classroom Building 346

Anthropology & Archeology

Thu 3:30pm-3:50pm

Racialized Paths and the Business of Township Tourism
Emily de Wet; Wheaton College - Massachusetts

Thu 3:50pm-4:10pm

An Alternative Vacation: Exploring and Evaluating Cultural Heritage Tourism in Jamaica
Michaela Santos, Zelmia Harvey, McKayla Hoffman, Alexandra Pivero; Bridgewater State University

Thu 4:10pm-4:30pm

Wondrous Water Works: Mycenaean Hydraulic Engineering as a Demonstration of Wealth
Corey Sadosky; Xavier University

White Hall Classroom Building 347

Mathematics

Thu 3:30pm-3:50pm

Zombie Dice: An Optimal Play Strategy
Heather Cook; Roanoke College

Thu 3:50pm-4:10pm

Extremism: Mediocrity Losing Version
Luis Ortiz; Morehead State University

Computer Science

Thu 4:10pm-4:30pm

Creation of a Video Game Genome: A Recommendation System Model
James Fisher; Truman State University

White Hall Classroom Building 349

English

Thu 3:30pm-3:50pm

Looking For Klickitat
Genevieve Hamilton; Anderson College

Thu 3:50pm-4:10pm

Narratology in Young Adult Literature: The Complexity of Age
Alice Sudlow; Elon University

Thu 4:10pm-4:30pm

Growth in the Garden: A Jungian Reading of the Orphans in "The Secret Garden"
Kayla Nelson; Russell Sage College

SESSION 4

Fine Arts Building 0308B

Engineering/Engineering Technology

Fri 9:00am-9:20am

Soil-Cement: Impacts of Cement Content, Water Content, and Curing Condition on Unconfined Compressive Strength of Soil-Cement
Prapat Kotpat; Norwich University



Oral Session 4

Fri 9:20am-9:40am

Ionic Liquid Carbon Fibers: The Replacement for Carbonized NARC

Richard Bray; University of Alabama in Huntsville

Fri 9:40am-10:00am

Determining a relationship between humidity magnitude and spider silk supercontraction

Michael Shearin; Clemson University

Fine Arts Building 106

Physics

Fri 9:00am-9:20am

Dielectric characterization of the n-doped polymer [P(NID2OD-T2)]

Pablo Sepulveda - Medina; University of Puerto Rico at Humacao

Fri 9:20am-9:40am

Metal-Polymer Bilayer Electrical and Optical Characterization Under Cyclic Temperature Conditions
Ryan Wilson; University of Memphis

Fri 9:40am-10:00am

Electrospun fibers of poly (vinylidene fluoride-trifluoroethylene)/ (P(NDI2OD-T2)) composites
Clarissa Vazquez Colon; University of Puerto Rico at Humacao

Fine Arts Building 17

Education

Fri 9:00am-9:20am

The Diminishing Public School Systems of New Jersey: A Triangulative Analysis of School Funding using Rational Choice Theory

Jasmin Randolph-Taylor; Howard University

Fri 9:20am-9:40am

A Comparative and Triangulative Analysis of School-Based Mental Health Reform in Washington, DC, New York City, Chicago, and Little Rock Using New Rhetoric Pedagogical Theory

Abraham Williamson; Howard University

Fri 9:40am-10:00am

Common misconceptions found in a statics course through discourse analysis of student learning logs

Christopher Green; Utah State University

Fine Arts Building 208

Biology

Fri 9:00am-9:20am

Investigating Sequence Variation in the Intellectin-1 Gene
Tamanna Gandhi; Adelphi University

Fri 9:20am-9:40am

The Effect of Forced Desynchrony on Glucocorticoid Regulation in Rats

David Renteria; Seattle University

Fri 9:40am-10:00am

Roles of TRPA-1 and TRPV-1 channels in learning and memory in Caenorhabditis elegans

Vanessa Neutzler; St. Edwards University

Fine Arts Building 004

Music Research and/or Analysis

Fri 9:00am-9:20am

The Impact of Heavy Metal

Daniel Kim; Virginia Commonwealth University

Fri 9:20am-9:40am

Coldplay's "Viva La Vida": An Analysis and Exploration of Interconnectedness

Meghan Stagl; Hope College

Fri 9:40am-10:00am

You Are What You Hear: The Formative Powers of Music

Johanna Raquet; Cedarville University

Fine Arts Building 006

English

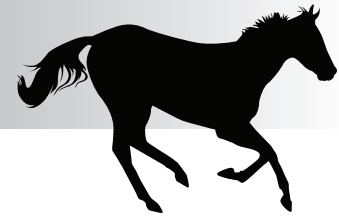
Fri 9:00am-9:20am

Fragments of Cloth, Bits of Cotton, Lumps of Earth: James Agee and the Altered Book

Emily Wildhaber; Truman State University

Fri 9:20am-9:40am

Oral Session 4



Novel Contribution: The "Truer Truth" of Truman Capote's In Cold Blood

Chanda Canup; Anderson College

Fri 9:40am-10:00am

She Just Wants to Live: Looking at Lux Lisbon in Jeffrey Eugenides' _The Virgin Suicides_ as a Metaphor for Cultural Events in the 1970's

Hannah Murphy; Peace College

Lucille Caudill Little Fine Arts Library 301

Nursing

Fri 9:00am-9:20am

Examining the Impact of Anxiety and Prenatal BMI on Preterm Birth in Diverse Women

Christina Thompson; University of Kentucky

Fri 9:20am-9:40am

High-frequency ultrasound of breast tissue phantoms with histology-mimicking microstructures

Robyn Omer, Audrey Butler; Utah Valley University

Fri 9:40am-10:00am

Exploring Gender Differences in Colon Cancer Screening Knowledge and Health Beliefs among African Americans
Kemi Olofinkua; Indiana University-Purdue University Indianapolis

Patterson Office Tower 107

Film Studies

Fri 9:00am-9:20am

"This Is Me, Yo, Right Here": Wallace and Geocriticism in The Wire

Justin Feit; Gustavus Adolphus College

Fri 9:20am-9:40am

Are We the Freaks?

Lauren Hitzhusen; Juniata College

Fri 9:40am-10:00am

Closing the gap between knowledge and practise in stroke rehabilitation using online media

Hayley NCUR® 2014 Young; University of Central Lancashire

Patterson Office Tower 108

Sustainability

Fri 9:00am-9:20am

The Practice of Urban Planning in Japan: A Planning Summer Internship with the City of Yokosuka, Japan.

George Laue; Eastern Washington University

Fri 9:20am-9:40am

*Testing the efficacy of *Jatropha curcas* to produce biodiesel for sustainable development and poverty alleviation in northern Nigeria*

Ibrahim Radda; American University of Nigeria

Fri 9:40am-10:00am

School Feeding Programs: A Cross-National Comparison of Brazil and the US

Crystal Johnson; San Diego State University

Patterson Office Tower 110

African American Studies

Fri 9:00am-9:20am

A Triangulative Analysis of the School-to-Prison Pipeline and Its Contribution to the Prison Industrial Complex System: A Capitalist Perspective

Talitha Halley; Howard University

Fri 9:20am-9:40am

Black Listed, Sentenced to Life: A Comparative Analysis of the Connection between Racial Inequality and Mass Incarceration of African Americans Versus Other Americans Utilizing Stratification Theory

Daphney Landry; Howard University

Fri 9:40am-10:00am

The Conflict of Justice: An Examination of the Racial Disparity Within the United States Criminal Justice System Utilizing the Conflict Theory

Sharde Fleming; Howard University



Oral Session 4

Patterson Office Tower 112

Poetry & Creative Writing

Fri 9:00am-9:20am

Skewed Perspectives

Megan Moore; University of Wisconsin- River Falls

Fri 9:20am-9:40am

Primo Levi's The Periodic Table: Chemistry and Creative Writing Combined

Corey McClintock; University of North Carolina, Asheville

Fri 9:40am-10:00am

The myth about the Spanish Conquest

Freddy Vasquez; Pepperdine University

Patterson Office Tower 113

Biological Engineering

Fri 9:00am-9:20am

Metabolic Engineering of E. coli for Bacterial Cellulose Production

Patrick Van Handel, Devin Schmitt, Jenna Harvestine, Robert Nogle; Milwaukee School of Engineering

Fri 9:20am-9:40am

Secretion and purification of recombinantly expressed synthetic spider silk protein in Escherichia coli

Ryan Putman; Utah State University

Fri 9:40am-10:00am

The Effects of UV Light on Biofilm Formation and Pigment Production of two Antarctic Janthinobacterium sp. Strains CG23_2 and CG3

Emily Bermel; Montana State University, Bozeman

Patterson Office Tower 145

Health Sciences & Public Health

Fri 9:00am-9:20am

"A Pen and a Stethoscope": The Healthcare Situation in Senegal as Seen Through Firsthand Experience

Marianne Macaluso; SUNY Geneseo

Fri 9:20am-9:40am

Allelic Variability in the Angiotensin Converting Enzyme

Polymorphism ACE I/D in an East African Population

Lindsey Porter; Western Kentucky University

Fri 9:40am-10:00am

Beyond Culturally Competent: Envisioning Better Health and Health Care for Somali Immigrant Women

Katherine Granath; Seattle University

Patterson Office Tower 003

Education

Fri 9:00am-9:20am

Everglades: Unconscious Self-Education

Solangel Rodriguez; Florida International University

Fri 9:20am-9:40am

Do Students' Approaches to Learning Affect Understanding of Radiation and Radioactivity?

Anna Hafele; Black Hills State University

Fri 9:40am-10:00am

Stress and Educational Expectations: A Study of Transitioning Adolescents

Adrienne Sulma; University of Wisconsin, Stout

Patterson Office Tower 005

Education

Fri 9:00am-9:20am

Confidence in Teaching Diverse Students:

Effects of a Virtual Clinical-Based Practice

Megan Hake, Shelby Gottschalk, Lorie Cook-Benjamin; Fort Hays State University

Fri 9:20am-9:40am

An exploratory study of students' thoughts, experiences, and observations based on their involvement with a MOOC

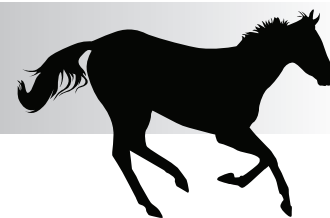
Joliette Re; Florida International University

Fri 9:40am-10:00am

Examining Student Experience Related to the Use of E-text/ Course Content in Business School Classrooms

Shadlan Gale, Ashley Jefferies; Utah Valley University

Oral Session 4



Patterson Office Tower 007

English

Fri 9:00am-9:20am

Emoticons and Emojis: Understanding the Nonverbal Communication of the Future

Tiffany Fillion; Winthrop University

Fri 9:20am-9:40am

Happy, Free, Confused, and Lonely at the Same Time: Linguistic Style Patterns in Taylor Swift's Lyrics

Matthew Gantz; Concordia College, Moorhead MN

Fri 9:40am-10:00am

Be careful what you say!: How language affects retail associates

Crystal Kelleher; University of Wisconsin, La Crosse

Patterson Office Tower 009

History

Fri 9:00am-9:20am

By the Saints: English Kings and the Cults of St Edmund and Edward the Confessor

Kelsey Haver; New York University

Fri 9:20am-9:40am

Godly Brutality: The Cromwellian Conquest of Ireland, 1649-1650

William Scupham; Valparaiso University

Fri 9:40am-10:00am

Hell Above Ground: Vagrancy in Eighteenth Century London

Alexis Holmes; Occidental College-

Singletary Center - President's Room

Music Research and/or Analysis

Fri 9:00am-9:20am

Achievement Goal Orientations in the Music Classroom

David Wilson; Appalachian State University

Fri 9:20am-9:40am

Adolescent Perspectives on the Emotional, Social, and Behavioral Impacts of Participation in Music Education: An Ethnographic Study at Mountain View High School

Johanna Nilsson; Long Island University

Fri 9:40am-10:00am

Pre-Service Music Teachers' Perspectives of Experiences in an Informal Music Learning Group

Veronica Sharpe; James Madison University

White Hall Classroom Building 102

Psychology

Fri 9:00am-9:20am

Impact of Peer Influence and Conformity on the Roles of Materialism and Brand Labels in Adolescent Consumer Choices

Tiffany Vuong; Virginia Commonwealth University

Fri 9:20am-9:40am

The relationship between Facebook, other social networking sites, and the rising level of narcissism seen in the Millennial generation in America

Savannah Drake; Virginia Commonwealth University

Fri 9:40am-10:00am

Internet Usage and Cognitive Impact

John Pennix, David Bilbray; Jacksonville University

White Hall Classroom Building 110

Psychology

Fri 9:00am-9:20am

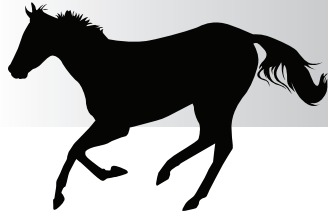
Problematic Behaviors Displayed by Adolescent Drug and Alcohol Users

Amber Beauchamp; Siena Heights University

Fri 9:20am-9:40am

The Influence of Heavy Drinking on College Students' Future Drinking Habits

Lukas Bowers; Capital University



Oral Session 4

Fri 9:40am-10:00am

Empowering Students to Make Their Own Choices: Reducing College Drinking

Rachel Venaglia; Lafayette College

White Hall Classroom Building 114

Political Science

Fri 9:00am-9:20am

The Effect of the 2008 Global Financial Crisis on Public Opinion of Redistribution to Immigrants in Europe

Anna Smith; Hendrix College

Fri 9:20am-9:40am

The Political Economy of Austerity: A Case Study of Greece

Michael Giacomopoulos; Moravian College

Fri 9:40am-10:00am

"The Show Must Go On": The Political and Economic Responses of the United Kingdom and Germany to the 2008 Financial Crisis

Nicholas Mastron; University of Memphis

White Hall Classroom Building 122

Psychology

Fri 9:00am-9:20am

Sensationalized News Media and Fear of Rape

Hayley Price; Hendrix College

Fri 9:20am-9:40am

Contextual Priming of Emotion Ratings to Graphic Images

Ashley Nienhuis; Eastern Washington University

Fri 9:40am-10:00am

Do Fear Appeals Increase Persuasion? Influence of Loss-Versus Gain-Framed Diversity Messages

Nicole Karpinsky; Westminster College

White Hall Classroom Building 201

Sociology

Fri 9:00am-9:20am

Welfare and Its Adverse Effects on Underclass Families: A Qualitative and Quantitative Analysis of the American Welfare System Utilizing the Capitalist and Social Learning Theories

Aliece Hinton; Howard University

Fri 9:20am-9:40am

Changing Social Class Trajectory

Hailey Sneed; Western Carolina University

Fri 9:40am-10:00am

Doctors and Garbage Men: Unpacking Post-Secondary Students' Perceptions of Occupational Prestige

Alexandra Shoichet; Dalhousie University

White Hall Classroom Building 203

Ecology & Organismal Biology

Fri 9:00am-9:20am

Conspecific Phenotypic Plasticity in Response to Sensory Signals of Predation and Death

Sara Freytag; Centre College

Fri 9:20am-9:40am

Predator Induced Phenotypic Plasticity, in Pseudacris Crucifer (Spring Peeper) Larvae

Nick Kreutz; Maryville University Saint Louis

Fri 9:40am-10:00am

Agent-Based Modeling of Phytoplankton Cell Death: Responses to Abiotic Factors in a Small Urban Pond.

Carolynn Rafa Todd, Tyler Raphael, Thomas Bate; University of Wisconsin, Milwaukee

White Hall Classroom Building 204

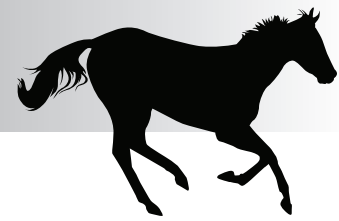
History

Fri 9:00am-9:20am

The Battle of Funkstown: A Small Maryland Town's Role in the Gettysburg Campaign

Brandon Moist; Shippensburg University

Oral Session 4



Fri 9:20am-9:40am

Food, Comfort, and a Bit of Home: Maude Porter and the Ogden Canteen, 1942-1946
Lorrie Rands; Weber State University

Fri 9:40am-10:00am

Sugarloaf: Finding Communal Identity in a Mississippi River Town
James Clinton; Winona State University

White Hall Classroom Building 205

Religious Studies

Fri 9:00am-9:20am

A Study of Contemporary Wesleyan Bands in Britain
Tyler Ward; North Central College

Fri 9:20am-9:40am

Contemporary Eucharist
Scott Hall; Lubbock Christian University

Fri 9:40am-10:00am

How We've Met Our Father: The Sitcom of Spirituality
Taylor Cockrell; Lubbock Christian University

White Hall Classroom Building 207

Cell & Molecular Biology

Fri 9:00am-9:20am

Protein production in a mutant variant of cypovirus HvCPV5
Stuart Lichtenberg; University of Kentucky

Fri 9:20am-9:40am

The use of ONO-RS-082 a phospholipase A2 inhibitor, to investigate the localization of amyloid precursor protein
Nicole Belko; Ithaca College

Fri 9:40am-10:00am

IMPROVED UNDERSTANDING OF THE NON-PATHOGENIC BIOPHYSICAL STATES IN A CLASS OF NEURODEGENERATIVE-RELATED PROTEIN IN HOPES OF ESTABLISHING A BASELINE FOR PROTEIN-MISFOLDING DISEASE CHARACTERIZATION
Joseph Passman; University of Utah

White Hall Classroom Building 208

Political Science

Fri 9:00am-9:20am

Marxism and Feminism: False Friends or Subtle Bedfellows?
Meredith Scalos; Georgetown College

Fri 9:20am-9:40am

Federalism and Ethno-Political Conflict
Laknath Gunathilake; Truman State University

Fri 9:40am-10:00am

Shades of Green and Blue: An examination of the Relationship between the Democratic Party and the Green Party in America.
Steven Cename; Salisbury University

White Hall Classroom Building 209

Philosophy & Ethics

Fri 9:00am-9:20am

Facing Evil: On The Relationship Between Evil, Violence, and Emotion & the Necessary Adjustment of Our Response to Wrongdoing
Mikaila Read; Eastern Washington University

Fri 9:20am-9:40am

Revenge, Execution, and Punishment
Jessica West; Jacksonville University

Fri 9:40am-10:00am

Cora Diamond and Guantanamo Bay
Mandy Long; Western Carolina University

White Hall Classroom Building 211

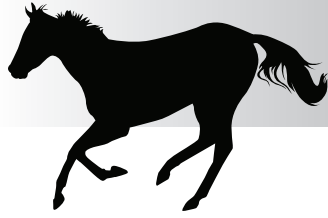
Business/Finance/Accounting

Fri 9:00am-9:20am

A Preliminary Study of Student Perspectives on International Financial Reporting Standards (IFRS) Education
Xueyu Chen; Purdue University

Fri 9:20am-9:40am

No Accounting for Global Financials
Dianna Almond; Western Carolina University



Oral Session 4

Fri 9:40am-10:00am

Value Chain Financing Gives More Freedom to Small Business in Developing Countries
Richard Wojan; University of South Carolina

White Hall Classroom Building 212

Entrepreneurship

Fri 9:00am-9:20am

Art in Unlikely Places: Leveraging arts and social entrepreneurial pedagogies for shaping a more promising future

Nathan Williams, Harper Smith, Katie Silver, Melissa Simon, Michael McSweeney; University of Kentucky

Fri 9:20am-9:40am

Moral Imagination and Entrepreneurship
Ryan Wojciechowski; Saint John's University

Fri 9:40am-10:00am

Examining Cross Country Variation in the Entrepreneurship Rate Using Institutional Theory and Hofstede Dimensions
Stephen Zervas; Notre Dame University Of

White Hall Classroom Building 213

Electrical Engineering

Fri 9:00am-9:20am

ANIMA Collar Tag Sensor Calibrations and Power Management
Sarah Dean; University of Pennsylvania

Fri 9:20am-9:40am

The Effect of First-Stage Biasing of a Multi-Stage Amplifier Driving Complex Loads on the Slew-Rate A Topological Study

Patrick Gallagher, Robert Pohlman; Milwaukee School of Engineering

Fri 9:40am-10:00am

The Analysis of the Efficiency of Framed ALOHA With a Varying Number of Users
Darrell Smith; Howard University

White Hall Classroom Building 214

Sociology

Fri 9:00am-9:20am

The MisEducation of the Self
D'Shanna Hargrove; Edgewood College

Fri 9:20am-9:40am

Quality of University Life for Special Needs Students at Qatar University

Fatema Higa; Qatar University

Fri 9:40am-10:00am

Examination of The White Savior Complex: Why it's a Problem, Contemporary Models, and What Can Be Done
Ali Cohen; Coastal Carolina University

White Hall Classroom Building 215

Geography & Earth Sciences

Fri 9:00am-9:20am

Environmental Hazards: The Colorado Floods of 2013
Matthew Allen; University of North Alabama

Fri 9:20am-9:40am

A Mixed-Method Assessment of Urban Flooding in Richmond, Kentucky to Aid Mitigation Efforts
Nicholas Middleton; Eastern Kentucky University

Fri 9:40am-10:00am

Structural Modeling of Rough Creek Graben in Western Kentucky to Better Understand the Tectonic Evolution of North America's Cratonic Interior: An Integration of GIS-Based DEM Analysis and Field Study

Evan Crowe; Western Kentucky University

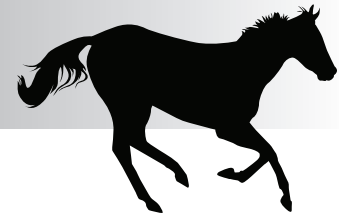
White Hall Classroom Building 217

International Studies

Fri 9:00am-9:20am

The Spanish Economic Crisis and its Impacts on Spanish Higher Education and "Los Jóvenes"
Sarah Eggert; North Central College

Oral Session 4



Fri 9:20am-9:40am

Turning Youthful Tides: Migration and Unemployment Obstacles of Spanish Youth in the 21st-Century
Sara Ireland; Capital University

Fri 9:40am-10:00am

How the European Economic Crisis is Shaping Spanish Society: Social Behavior, Emigration, Family Dynamics, and More
Hannah Oak; Illinois College

White Hall Classroom Building 219

Economics

Fri 9:00am-9:20am

Effects of Affordable Housing on Homelessness Across America
Rachael Schubarth; St Norbert College

Fri 9:20am-9:40am

Is All Growth Created Equal? An Evaluation of the Effects of Economic Composition on Income Inequality in Developing Countries
Alex Wolfe; University of Kentucky

Fri 9:40am-10:00am

ECONOMIC AND ENVIRONMENTAL IMPACTS OF THE GOGEBIC TACONITE MINE
Aleksi Bogdanov; University of Wisconsin, Superior

White Hall Classroom Building 231

History

Fri 9:00am-9:20am

Averroes: An Examination of a Lesser Commentary
Nicklaus McKinney; Coastal Carolina University

Fri 9:20am-9:40am

Heaven Sent: A Comparison of the Prophet Muhammad and the Twelfth Imam
Hannah Nester; John Brown University

English

Fri 9:40am-10:00am

The Role of Recognition in the Shift from Eastern Collectivism to Western Humanism
Juan Carlos Gonzalez; Xavier University

White Hall Classroom Building 233

History

Fri 9:00am-9:20am

At the Crossroads of Identity: The Place of Palestine in Nasser's Conception of Egyptian National Identity 1952-1970
Jonathan Cohen; Grinnell College

Fri 9:20am-9:40am

Fighting for Freedom Against All Odds: Iran's Road to a Constitution
Kari Miller; John Brown University

Fri 9:40am-10:00am

Westerners Abroad: Nineteenth Century Egypt through the Eyes of European Tourists
Margot Willis; John Brown University

White Hall Classroom Building 234

Biology

Fri 9:00am-9:20am

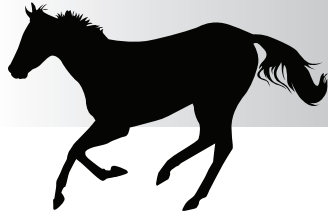
Characterization of quarter milking pulsation and take-off in a conventional milking parlor
Samantha Smith, Samantha Smith, Jeffrey Bewley;
University of Kentucky

Fri 9:20am-9:40am

The Societal Movement of Farm Animal Well-Being and Its Impacts on Animal Agriculture
Amanda Mathias; Oklahoma State University

Fri 9:40am-10:00am

Honey of an Idea: Alternative Treatment for Propionibacterium acnes
Ashley Fortin; Russell Sage College



Oral Session 4

White Hall Classroom Building 235

Mathematics

Fri 9:00am-9:20am

Computing the Likelihood of the Nash Implementability of a Social Choice Function

Carter Cannon; University of Kentucky

Fri 9:20am-9:40am

Voting Theory

Kent Washaw; Appalachian State University

White Hall Classroom Building 237

International Studies

Fri 9:00am-9:20am

¡Escucha!: Creating a Political Space for Immigration Reform

Sarah Palazzolo; American University

Fri 9:20am-9:40am

Advocacy & The Law: Speaking for Foreign Nationals Trafficked into Kentucky

Meredith Swim; University of Kentucky

Fri 9:40am-10:00am

Investigation of The Cultural Evolution of Hispanic Children

Cecilia Yanez; Appalachian State University

White Hall Classroom Building 238

Political Science

Fri 9:00am-9:20am

Competing Creeds: Disaggregating the Role of Religion in Civil War

Linnea Turco; The George Washington University

Fri 9:20am-9:40am

Is It Sex, or Is It the Cold War? Analyzing Lesbian Pulp Novels through A Cold War Lens

Claire Lockard; Elon University

Fri 9:40am-10:00am

The Religious Cold War: Media Coverage of the Addition of "In God We Trust" and "One Nation Under God" to American Currency and the Pledge of Allegiance

Margaret Miller; Elon University

White Hall Classroom Building 239

Health Sciences & Public Health

Fri 9:00am-9:20am

Mixed Methods Study on Treatments/Services for Children with Autism Spectrum Disorder

Lauren Nale; Northern Illinois University

Fri 9:20am-9:40am

Peanut Processing Increases Peanut Allergenicity

Bethany Eckerd; Virginia Commonwealth University

Fri 9:40am-10:00am

NHANES 2005-2006 Breastfeeding And Allergy Relationship In Young Children

Kathleen Stewart; University of Rochester

White Hall Classroom Building 240

Nursing

Fri 9:00am-9:20am

Undergraduates: Infusing Technology into a Nursing Curriculum

Mikheil Matcharadze; Berea College

Fri 9:20am-9:40am

Social Media: A Promising Potential for the Nursing Profession

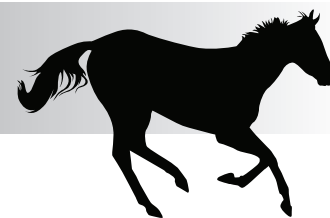
Kacee Gouin, Sabrina Howard; Jacksonville University

Fri 9:40am-10:00am

Training and Education of Nursing Students in Africa- How do these Nurses meet the needs of the people?

Merab Mushfiq; Western Carolina University

Oral Session 4



White Hall Classroom Building 241 Computer Science

Fri 9:00am-9:20am

Arduino Microcontrollers: A Simple Way to Design a Complex Robot

Bradley Hackett; Utah Valley University

Fri 9:20am-9:40am

Design of Autonomous Robots for Exploration and Mapping using Swarm Intelligence

Gabriel LePage; State University of New York, Brockport

Fri 9:40am-10:00am

Flockbots: Small, Open-Platform Robots for Swarm-Style Multi-Agent Research

Michael Bowen, David Fleming; George Mason University

White Hall Classroom Building 242

Social Work

Fri 9:00am-9:20am

Narrative Therapy History and Evolution

Katherine Holderness; John Brown University

Fri 9:20am-9:40am

Student Burnout: The Pressures of Familial Obligations and Maladaptive Coping Mechanisms

Cherisse Pittman; University of Montevallo

Fri 9:40am-10:00am

Health-related Family Quality of Life Perceptions: Breast Cancer Survivors

Antoinette Lentz, Briana Deer, Anjana Jagpal, Mallory Waters; Miami University

White Hall Classroom Building 243

Communications

Fri 9:00am-9:20am

Exploring Sexual Responsibility through Oral Contraceptives

Jenna Hoge; Luther College

Fri 9:20am-9:40am

What is Your Number?

Monica Papworth; Western Carolina University

Fri 9:40am-10:00am

Slut: the Deconstruction and Recoding of a Defamatory Term

Kacey Rainone; Eastern Connecticut State University

White Hall Classroom Building 244

Media Studies

Fri 9:00am-9:20am

The Relationship Between College Students and News in the Digital Era

Lauren Smith; University of Memphis

Fri 9:20am-9:40am

YouTube to Your TV: The Shift of YouTube Content Creators to Network Television

Brent Hale; University of Kentucky

Fri 9:40am-10:00am

Science 2.0: Evolution into a New Media World

Amanda Biederman; Salisbury University

White Hall Classroom Building 245

Art History

Fri 9:00am-9:20am

Industrial Zeitgeist: Shifting Sublime in Turner's 'Keelmen Heaving in Coals by Moonlight'

Catherine Niehaus; Saint Louis University

Fri 9:20am-9:40am

Anselm Kiefer: Master of Destruction or Giver of Hope

Errin Johnson; Saint Louis University

Fri 9:40am-10:00am

Vincent van Gogh and his Bedroom

Patricia Clements; University of Kentucky

White Hall Classroom Building 246

English

Fri 9:00am-9:20am

How Colonialism 'Tainted' Cultural Identity: A New Historicist Analysis of Thrall

Stephany McCann; Western Carolina University



Oral Session 4

Interdisciplinary Studies

Fri 9:20am-9:40am

Postcolonial Public Health: Sociopolitical Constructions of an Emerging Diseases Worldview
Kerry Sakimoto; Occidental College-

Fri 9:40am-10:00am

Postcolonialism Recontextualized: Generative Identity & Globalization in Vizenor and Adichie
Matt Comi; Whitworth College

White Hall Classroom Building 247

Biology

Fri 9:00am-9:20am

*Antimicrobial Properties and Composition of Essential Oil Isolated from *Ericameria linearifolia* (Asteraceae)*
Preston Manwill; Southern Utah University

Fri 9:20am-9:40am

DOES TRAIL PROXIMITY AFFECT MYCORRHIZAL INFECTION RATES OF GUTIERREZIA SAROTHRAE [ASTERACEAE]?
Shannon Call; Weber State University

Fri 9:40am-10:00am

*The Genetics of Hybrid Lethality Between Two Species of *Mimulus**
Austin Garner; University of Georgia

White Hall Classroom Building 303

Communications

Fri 9:00am-9:20am

Sons of Influence: TV & Motorcycle Gangs
Jenna Gagne; Bridgewater State University

Fri 9:20am-9:40am

Variances in Cinematic Motion Pictures Directed by African American Men and Women
Danyelle Greene; Siena Heights University

Fri 9:40am-10:00am

Video Game Violence and Its Effects
Christopher Breja; University of Northern Iowa

White Hall Classroom Building 306

Women and Gender Studies

Fri 9:00am-9:20am

In the Place of Power: The Impact of Language and Islamic Sharia in Female Involvement in Algerian Politics
Merima Tricic; University of California, Riverside

Fri 9:20am-9:40am

Islamic Feminism: A Theoretical Framework for the Practical Implementation of Women's Rights in Morocco
Emilie Clark; Long Island University

Fri 9:40am-10:00am

La dinámica cambiante: Current Discourse on Gender and Sexuality in Ecuador
Kathryn Stroud; Illinois College

White Hall Classroom Building 316

Literature

Fri 9:00am-9:20am

Patriotic Zealotry and the Ultimate Sacrifice, Roman Virtue on the Battlefield and in the Statehouse
Andrew Del Bene; Xavier University

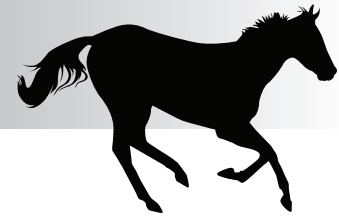
Fri 9:20am-9:40am

*From Within and Without the Wall of Troy: A Discussion of War and Domesticity in *The Iliad**
Andrea Antenan; Hope College

Fri 9:40am-10:00am

The Trojan Women as a Nihilist Treatise
Andrew Del Bene; Xavier University

Oral Session 4



White Hall Classroom Building 331

Education

Fri 9:00am-9:20am

An Analysis of Student Designed Courses

Jeff Brittenham, Kayla McMahon; University of Nebraska, Kearney

Fri 9:20am-9:40am

Determining the Effectiveness of Peer-Led Supplemental Instruction from Undergraduate Mathematics Fellows

Autumn McMunn; University of North Alabama

Fri 9:40am-10:00am

Development of a Collaborative Learning Classroom

Angeline Palmer, Angeline Palmer; George Mason University

White Hall Classroom Building 333

Computer Science

Fri 9:00am-9:20am

SaaS Security Issues and Its Application in Education and Industry

Brett Mikkelson, Danielle Roche; Roger Williams University

Fri 9:20am-9:40am

EduLinc: Powerful Collaboration Tool for Schools

Akhilesh Mantripragada; University of Texas, San Antonio

Fri 9:40am-10:00am

Computer Competency Levels of Incoming College Students

Kayla Horan; Slippery Rock University of Pennsylvania

White Hall Classroom Building 334

Literature

Fri 9:00am-9:20am

To House a Moor and End a Marsh: Jane and Imperialism through Liminal and Structural Processes in Jane Eyre

Vincent Chien; Seattle University

English

Fri 9:20am-9:40am

Gossip and Idle Chatter in Middlemarch

Stephen Hickson; Sewanee

Fri 9:40am-10:00am

Signora Neroni's Restoration of Order in Barchester Towers

Rachel Harris, Stephen Hickson; Sewanee

White Hall Classroom Building 335

Mathematics

Fri 9:00am-9:20am

Centrality Measures in the Wikipedia Network

Michael Squitieri; Macaulay Honors College - Brooklyn

Fri 9:20am-9:40am

Colored Independence on Grids

Michael Terhaar; Saint John's University

Fri 9:40am-10:00am

Long-Square-Free Graph Colorings over Two Colors

Joseph Antonides; Susquehanna University

White Hall Classroom Building 336

Economics

Fri 9:00am-9:20am

Establishing the Future of the Eurozone through the Theory of Optimum Currency Areas

Jaqueline Pierson; Loyola Marymount University

Fri 9:20am-9:40am

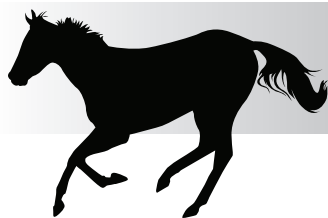
Examination of non-profit capital allocation dynamics and prevailing suggestions for its improvement with parallels to for-profit market history

Scott McKaig; Samford University

Fri 9:40am-10:00am

The Prospect of a Common Currency for ASEAN-plus-Three Countries

Linh Nguyen; Lafayette College



Oral Session 4

White Hall Classroom Building 337

Anthropology & Archeology

Fri 9:00am-9:20am

"Happy is he who calls himself a Turk": Turkey's Kurdish Question

Layla Quran; University of North Carolina, Chapel Hill

Fri 9:20am-9:40am

Comparison of Hearths in New England

Mary Owens; Bridgewater State University

Fri 9:40am-10:00am

The Archaeology and Phenomenology of Roman Ribchester

Karl Povey; University of Central Lancashire

White Hall Classroom Building 338

Chemistry

Fri 9:00am-9:20am

Microwave-Assisted Surface-Initiated Polymerization of Styrene from Thiol-Functionalized Organoclays

LeAnna Survant; Northern Kentucky University

Fri 9:20am-9:40am

New diosmium complexes as building blocks for coordination polymers

Nigel Gwini; Abilene Christian University

Fri 9:40am-10:00am

UNDERSTANDING SPECIFIC CATION EFFECTS ON AGGREGATION BEHAVIORS OF PEO-PPO-PEO TRIBLOCK COPOLYMERS

Tsung-Yu Wu; James Madison University

White Hall Classroom Building 339

Philosophy & Ethics

Fri 9:00am-9:20am

"Jean-Paul Sartre: Insufficient Potentiality"

Allen Sewell; Western Carolina University

Fri 9:20am-9:40am

Zizek and the Urgency for Temporal Revolution

Bryce Bullins; Sierra Nevada College

Fri 9:40am-10:00am

An Exploration Into the Potentials of a Zen Buddhist Capitalist World

Jeremy Shur; University of Wisconsin, La Crosse

White Hall Classroom Building 340

Sociology

Fri 9:00am-9:20am

Racial Identity, Campus Involvement, and Progress toward On-Time Graduation

Erica Lee; Virginia Tech

Fri 9:20am-9:40am

Consequences of College Drinking from the Perspective of the Non-Drinking Student.

Shadd Cabalatungan; University of California, Davis

Fri 9:40am-10:00am

Playing the Part, Doing Diversity: an In-Depth Study of Hendrix College Multicultural Initiatives

Caiti Rolfes-Haase; Hendrix College

White Hall Classroom Building 341

Anthropology & Archeology

Fri 9:00am-9:20am

The Past is Present: Exploring Methods of Cooperation Between Archaeologists, Museums, and Native Americans in Southern New England

McKayla Hoffman; Bridgewater State University

Fri 9:20am-9:40am

Female Leadership in Virginia Indian Tribes: Changes from First Contact with the Europeans to the Present Day

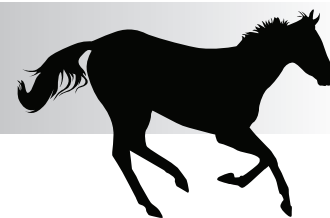
Brittany Allen; Virginia Commonwealth University

Fri 9:40am-10:00am

German Fascination with the American Indian: From Karl May and the Nineteenth Century to the Present

Tiffany Tindell; North Central College

Oral Session 4



White Hall Classroom Building 342

Art History

Fri 9:00am-9:20am

Mona Lisa as a Ready-Made: Representing the Role of Modern Artists

Samuel Humphrey; University of Kentucky

Fri 9:20am-9:40am

Learned, Mannered, and Titled: Baccio Bandinelli's Self-Referential Work in the Context of the Changing Status of the Artist

Eliana Mundula; University of North Carolina, Greensboro

Fri 9:40am-10:00am

Appropriation and Identity in William H. Johnson's Self-Portraits

Heather Kolnick; St. Catherine University, St. Paul

White Hall Classroom Building 343

Physical/Occupational Therapy/Speech Language Pathology

Fri 9:00am-9:20am

Bilingual Narrative Assessment: Evaluation of the Kindergarten Language Benchmark Assessment in Native Spanish-Speaking Children

Rebecca Hunt; Eastern Illinois University

Fri 9:20am-9:40am

Effect of Femur-Tibial Translation on Estimated ACL Tension

Elizabeth Camenga, Alex Ehlert, Drake Kessler, Jillian Asmus; University of Wisconsin, La Crosse

Fri 9:40am-10:00am

The Efficacy of Social Stories for Typically Developing Preschool Children

Loni Berbaum; Eastern Illinois University

White Hall Classroom Building 345

Biochemistry

Fri 9:00am-9:20am

Purification and Characterization of a Novel Bacterial Cyclooxygenase

Margaret Butchy; Villanova University

Fri 9:20am-9:40am

Expression, Purification, and Characterization of the Arp5 Protein:

Joseph Dawson; University of Utah

Fri 9:40am-10:00am

Structure Characterization of an Essential Pyrophosphatase in S. aureus

Michael Bale; University of Kentucky

White Hall Classroom Building 346

Chemistry

Fri 9:00am-9:20am

CLEANSING OF BIOGAS THROUGH VARIOUS ROUTES WHILE EFFECTIVELY AND SAFELY REMOVING H₂S AND CO₂

Allison Hester; Howard University

Fri 9:20am-9:40am

Development of Artificial Membrane as Model for Human Diseases of Impaired Water Transport

Michelle Muzzio, Peter Milianta, Rosario Giacomini; Iona College

Fri 9:40am-10:00am

Water Purification by Photo-catalytic Destruction of Pollutants

Aisha Bismillah; University of Central Lancashire

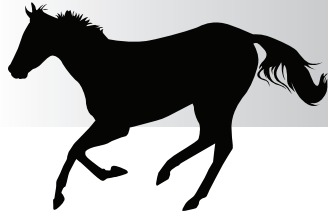
White Hall Classroom Building 347

Literature

Fri 9:00am-9:20am

"Old Robin Hood of England": Robin Hood and Marxist Alienation in Shakespeare's As You Like It.

Lauren Clark; Winthrop University



Oral Session 4-5

Fri 9:20am-9:40am

"The fool doth think he is wise": Parallelism in Human Folly in As You Like It

Emily Giangrande; Peace College

Fri 9:40am-10:00am

"They say the best men are molded out of faults": Angelo of Measure for Measure and Shakespeare's Stand Against Puritanism"

Jeanne Stroud; Winthrop University

White Hall Classroom Building 349

Biology

Fri 9:00am-9:20am

Dispersal Patterns of an Invasive Snail and Its Parasitic Hitchhikers in the Upper Mississippi River: What is the Influence of Aquatic Macrophytes?

Kaitlyn Miedema; University of Wisconsin, La Crosse

Fri 9:20am-9:40am

Plant Endophytes as Novel Sources of Antimicrobials: Characterizing Fungal Isolates from Alfalfa

Britta Wass; St. Catherine University, St. Paul

Fri 9:40am-10:00am

INTERACTION OF FUNGAL ENDOPHYTES AND GALL-FORMING APHIDS ON COTTONWOOD TREES

Julia Hull; Weber State University

SESSION 5

Fine Arts Building 0308B

Ecology & Organismal Biology

Fri 10:30am-10:50am

Modeling of the effects of border vegetation on aphid-vectored virus transmission in winter wheat

Anna Muncy; University of Kentucky

Fri 10:50am-11:10am

The effects of resource translocation in Fallopia japonica on the success of asexual offspring

Andrew Budsock; Susquehanna University

Fri 11:10am-11:30am

A Possible Ecological Explanation for the Depleted Soil Nutrients Upregulating Genes responsible for the 'Mustard Oil Bomb'

Christopher Karounos; University of Kentucky

Fine Arts Building 106

African American Studies

Fri 10:30am-10:50am

An Analysis on the Socioeconomic Status of African Americans and Latino/Latina Americans Utilizing Principles of the Darwinian Theory

Stephan Burgess; Howard University

Fri 10:50am-11:10am

A Failed System: A Triangulative Analysis of the Small Number of African Americans in the Higher Education System and the Effects on the African American Community Utilizing the Functional Theory

Dara Jones; Howard University

Fri 11:10am-11:30am

The Persistence of Racism in America: A Triangulative Analysis Using the Darwinian Theory

Charmaine Crutchfield; Howard University

Fine Arts Building 17

History

Fri 10:30am-10:50am

Andrew Johnson: Standard-Bearer of Old Hickory

Matthew O'Neal; University of Kentucky

Fri 10:50am-11:10am

Mr. Jefferson's Sickle: Thomas Worthington and the Implementation of the Agrarian Republic

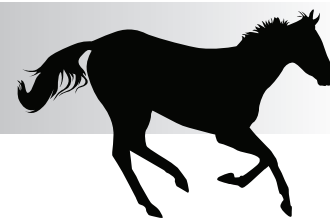
Joseph Ross; Ohio State University

Fri 11:10am-11:30am

Benjamin Franklin: Diplomacy, Legacy, and France, 1776 - 1778

Robert Pfaff; Wayne State University

Oral Session 5



Fine Arts Building 208

Literature

Fri 10:30am-10:50am

A Light in Dark Places: The Role of the Companion within Fantasy Literature

Laura Seiple; Westminster College

Fri 10:50am-11:10am

Mirror, Mirror On The Wall, Who Am I? The Progression of Female Identity

Shannon Tankersley; Anderson College

Fri 11:10am-11:30am

Applying Literary Theory to Andersen's The Red Shoes
Hope Eidson; John Brown University

Fine Arts Building 004

Music Research and/or Analysis

Fri 10:30am-10:50am

John Stainer's Contributions to Sacred Music During the Romantic Era

Marquita Someliana-Lauer; Western Carolina University

Fri 10:50am-11:10am

Sing to the Lord a New Song: John Calvin and Metrical Psalmody as a Spiritual Discipline

Brandon Bellanti; Cedarville University

Fri 11:10am-11:30am

A New Approach: The Feminist Musicology Studies of Susan McClary and Marcia J. Citron

Kimberly Reitsma; Cedarville University

Interdisciplinary Studies

Fri 11:10am-11:30am

Interdisciplinary Research at Adelphi University

Valeria Mendoza; Adelphi University

Lucille Caudill Little Fine Arts Library 301

Biology

Fri 10:30am-10:50am

CAN PADDLEFISH POLYCULTURE AFFECT THE CONCENTRATION OF OFF-FLAVOR CAUSING CYANOBACTERIA IN CATFISH PONDS?

Phillip Henderson; Kentucky State University

Chemistry

Fri 10:50am-11:10am

Computational Studies of the Gas-Phase Acidity and Basicity of Organic Molecules

Alec Follmer; University of the Pacific

Fri 11:10am-11:30am

SOLUBILITY OF MINERAL SALTS IN NONIONIC SURFACTANT-WATER BINARY SOLVENTS.

Daniel Clark; State University of New York, Brockport

Lucille Caudill Little Fine Arts Library 302

Engineering/Engineering Technology

Fri 10:30am-10:50am

Improving Standby Power Dissipation in CMOS Memories at the 32 nm Technology Node and Lower by Minimizing Leakage Current

Anthony Hernandez, Eric Lambert; Eastern Washington University

Fri 10:50am-11:10am

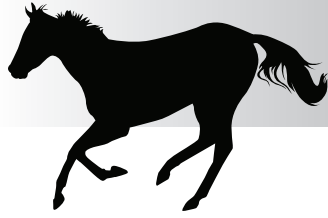
Modeling and Analysis for a Microbattery Charging Control System

Trokon Johnson, Bennett Krack; University of Tulsa

Fri 11:10am-11:30am

Are Hydrogen Vehicles Still a Rational Investment?

Jordan Gill, Joshua Brown; Howard University



Oral Session 5

Patterson Office Tower 107

Linguistics & World Languages

Fri 10:30am-10:50am

The Hyper-Correction of "ch" in English Words by Chilean Speakers: A Pilot Study

Brandon Jent; University of Kentucky

Fri 10:50am-11:10am

A Diachronic Analysis of Schwa in French

Joshua Griffiths; Gettysburg College

Fri 11:10am-11:30am

Abstract Categories of Phonotactic Constraints

Margaret Fero, Dakotah Lambert, Sean Wibel; Earlham College

Patterson Office Tower 108

Economics

Fri 10:30am-10:50am

Punishment Severity and Rates of Drinking and Driving

Patryk Perkowski; Macaulay Honors College - Queens

Criminology

Fri 10:50am-11:10am

The Causes and Correlates of Early vs. Late Onset Criminality: A Life-Course and Self-Control Theory Analysis

Lizabeth Remrey; University of Wisconsin, La Crosse

Fri 11:10am-11:30am

Why the American Public is Blaming the Victim: Preliminary Support for Moral Judgment Theory

Ashley Hemsath; Western Carolina University

Patterson Office Tower 110

Religious Studies

Fri 10:30am-10:50am

Protestant Christianity in Urban China: Thriving in Social and Political Uncertainty

Natalie Greene; Long Island University

Fri 10:50am-11:10am

"You Have Been God's Grace to Me": The Presence of Agape and Grace outside Christianity in Marilynne Robinson's Gilead

Ruyue Yuan; Valparaiso University

Fri 11:10am-11:30am

The Buddhist-Christian Conversation about Environmental Ethics

Jamison Stallman; Luther College

Patterson Office Tower 112

Astronomy

Fri 10:30am-10:50am

Shape Modeling Near Earth Asteroids

Stephen Ebelhar; NASA's Jet Propulsion Laboratory

Fri 10:50am-11:10am

Toward the ground-based detection of super-Earth exoplanets from Westminster College-minimizing light curve systematics.

Ryan Avril; Westminster College

Fri 11:10am-11:30am

Tracking the Polyrrhythm: Broadband Photometry and Lightcurve of the Binary Potentially Hazardous Asteroid (285263) 1998 QE2 with Photometric Analysis Methods

Adrian Carcione; Moorpark College

Patterson Office Tower 113

Business/Finance/Accounting

Fri 10:30am-10:50am

Teaching the Unteachable: The Effectiveness of Different Methods of Common Practical Skills in Sales Education

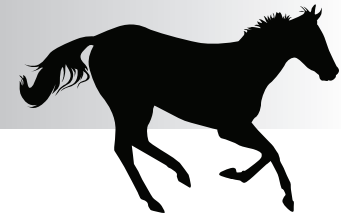
Molly Prah; University of Wisconsin- River Falls

Fri 10:50am-11:10am

Management Science Helps Improve Environmental and Financial Sustainability: An Application of Newsvendor Model to Campus Newsprint

Seth Williamson, Chase G. Bryant; Capital University

Oral Session 5



Fri 11:10am-11:30am

CSR within San Diego and Baja California SMEs; a Cross-cultural Comparison

Sylvia Quero; San Diego State University

Patterson Office Tower 145

Psychology

Fri 10:30am-10:50am

The Effects of Gender, Stress, and Risk for Depression on Amygdala Volume in Adolescents

Marissa Mendoza; University of Texas, San Antonio

Fri 10:50am-11:10am

The Importance of Parental Communication and Sexual Education in Adolescence on Predicting College Students' Sexual Activity

Ashley White; Massachusetts College of Liberal Arts

Fri 11:10am-11:30am

Assessing Elementary School Students' Perceptions and Skills in Conflict Resolution

Lela Ross; George Mason University

Patterson Office Tower 003

Psychology

Fri 10:30am-10:50am

Is psychosocial adjustment a predictor of Community-Based Services' success?

Nicole St. Pierre, Diana Le, Ciara Limon, Saadia Karwani; California State University Channel Islands

Fri 10:50am-11:10am

Predictors of Helping: Genetic Relatedness and Causal Controllability

Sloane Weed; Centre College

Fri 11:10am-11:30am

Spontaneous Expressions of Compassion in Response to Specific Indicators of Suffering

Kelsey Nelson, Camille Seger; Centre College

Patterson Office Tower 005

English

Fri 10:30am-10:50am

Demon Rum and Fallen Drunkards: The Displacement of Blame in Nineteenth-Century American Temperance Fiction

Megan Connolly; Albion College

Fri 10:50am-11:10am

The Devil is in The Details: An Exploration of The Demonic and Messianic Dichotomy in Russian Literature

Johnathan Edwards; Emory University

Fri 11:10am-11:30am

Devils in the Wilderness: How "Wilderness" Reflects Society's Margins

Cole Nelson; University of Wisconsin, La Crosse

Patterson Office Tower 007

Biology

Fri 10:30am-10:50am

A Study of Anti-herbivore Defense Dynamics in Cecropia Trees of Manu Park, Peru

Alex Huynh, Vincent Reed; Moravian College

Fri 10:50am-11:10am

Survey for the Presence of Leishmaniasis in Canines and Felids in Travis County, Texas

Erik Escobar; St. Edwards University

Fri 11:10am-11:30am

*Parental Investment and Nest Defense in Tree Swallows (*Tachycineta bicolor*)*

Alyssa Ford; Virginia Military Institute

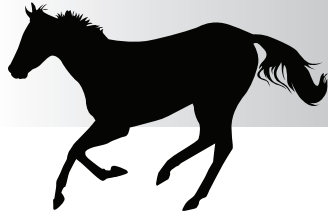
Patterson Office Tower 009

Education

Fri 10:30am-10:50am

The Effects of Adolescent Athletics on Academic Institutions

Daniel Mohammadi; Virginia Commonwealth University



Oral Session 5

Fri 10:50am-11:10am

Youth's Commitment to Responsibilities in Youth Programs
Natali Gracia; University of Illinois at Urbana-Champaign

Fri 11:10am-11:30am

Solving behaviors for "kiddos": Early intervention and its influence on behavior plans
Hannah Schultz; University of Hartford

Singletery Center - President's Room

Dance

Fri 10:30am-10:50am

"Apathetic and Non-Athletic: How A Strong Woman Can Still Be Silenced"
Florianne Jalac; State University of New York, Brockport

Fri 10:50am-11:10am

African Dance: Hidden Beneath the Surface
Sara Palmisano; State University of New York, Brockport

Fri 11:10am-11:30am

Connecting Feldenkraiss and Bartenieff to Helping Those with PTSD
Barbara Evans; University of Texas at El Paso

White Hall Classroom Building 102

Political Science

Fri 10:30am-10:50am

"The Surveillance Industrial Complex: America's Privacy Crisis."
Nicole Faas; Black Hills State University

Fri 10:50am-11:10am

The Ongoing Role of Original Principles in Internet Evolution: Internet Leaders Continue to Adhere to Early Ideals.
Shakori Fletcher; Elon University

Fri 11:10am-11:30am

Letters of Marque and Reprisal and Cyber Warfare
Michael Tal; Lehman College

White Hall Classroom Building 110

Psychology

Fri 10:30am-10:50am

Neurobiology of Avian Pair Bonds
Paige Baechle, Eleanor Bailey, Ashley Boerrigter; Centre College

Fri 10:50am-11:10am

The Effect of Canine Personality on Pet Recovery from Anesthesia
Kylie Foster; High Point University

Fri 11:10am-11:30am

Investigating the Reinforcing Properties of Male Japanese Quail Vocalizations
Camille Seger, Josh Rieskamp; Centre College

White Hall Classroom Building 114

Philosophy & Ethics

Fri 10:30am-10:50am

What do the world's people think?
Michael Vogt; University of Wisconsin, La Crosse

Psychology

Fri 10:50am-11:10am

Domains of Reasoning in Typical and Atypical Development
Kathleen Saigh; Oakland University

Fri 11:10am-11:30am

Long-Term Conceptual Gains of Collaboration
Valerie Bourassa; Occidental College-

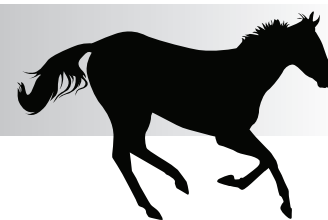
White Hall Classroom Building 122

Interdisciplinary Studies

Fri 10:30am-10:50am

Non-profit and University Collaboration
Ida Iselin Eriksson; Adelphi University

Oral Session 5



Marketing

Fri 10:50am-11:10am

Enhancing the Advanced Academy

Raquel Carpenter, Chantal Atkinson, Andrew Gallagher, Brittany Groves, Maxwell Roberts; University of West Georgia

Engineering/Engineering Technology

Fri 11:10am-11:30am

Structural Vulnerability on School Buildings in Mexico

Nestor Carter; Howard University

White Hall Classroom Building 201

English

Fri 10:30am-10:50am

Subversive Evolution: George Lippard's The Quaker City and Gothic Influence on the Development of American Literature

Keith Lydon; Bridgewater State University

Fri 10:50am-11:10am

Wuthering Heights and Gothic Materialism

Brendan Ezvan; Truman State University

Fri 11:10am-11:30am

Separating the Sea from the Symbols: Psychological Wholeness in Ernest Hemingway's The Old Man and the Sea

Andrew Harris; Winthrop University

White Hall Classroom Building 203

Cell & Molecular Biology

Fri 10:30am-10:50am

Immunophenotypic Characterization and Potential Purification of Several Perivascular Soft Tissue Tumors.

Marco Mravic; University of California, Los Angeles

Fri 10:50am-11:10am

Metabolic and Cellular Elasticity of Adipose Tissue

Lahib Doua; Wayne State University

Fri 11:10am-11:30am

*Interactions between Lymphoid Tissues and Antigenic Challenge in Cockatiels (*Nymphicus hollandicus*)*

Matthew Warren; University of California, Davis

White Hall Classroom Building 204

English

Fri 10:30am-10:50am

Within the Zodiac of Her Own Wit: Humor in Modern Feminism

Tyler Call; Westminster College

Fri 10:50am-11:10am

Feminine Characteristics and the Animus in Jane Eyre

Kaitlyn Murphy; Winthrop University

Fri 11:10am-11:30am

Feminine Meridian

Laura Martin, laura martin; Cerritos College

White Hall Classroom Building 205

Biochemistry

Fri 10:30am-10:50am

The Effects of Aflatoxin B1 on Jurkat T-cell Growth, Viability, and Activation

Lauren Sutherland; Elon University

Fri 10:50am-11:10am

Building a Better Phospholamban: Using Structure and Dynamics-Based Design to Engineer Therapeutic Mutants for Treating Heart Failure

Adedolapo Ojoawo, Choua Xiong; St. Catherine University, St. Paul

Fri 11:10am-11:30am

A Novel Biosensor for Point-of-Care Medical Diagnostics

Jaden Wilkes; Elon University



Oral Session 5

White Hall Classroom Building 207

Engineering/Engineering Technology

Fri 10:30am-10:50am

Safety First: Preventing Extension Ladders from Slipping
Michael Fricke, Adam Resnick; Milwaukee School of Engineering

Fri 10:50am-11:10am

The Effects of Controlled and Uncontrolled Climbing Styles on Slip Outcome
Erika Pliner; University of Wisconsin, Milwaukee

Fri 11:10am-11:30am

Performance Testing of a New Knot for Life Safety and Rope Access Applications
Stephany Fonseca; Eastern Illinois University

White Hall Classroom Building 208

History

Fri 10:30am-10:50am

Ireland and the British Monarchy: Queen Victoria's Influence on Anglo-Irish Relations
Alison Lange; Carthage College

Fri 10:50am-11:10am

"Bloody" Mary, Quite Contrary: The Original Perspectives on Queen Mary I
Alexandra Fox; Salisbury University

Fri 11:10am-11:30am

Rivalry, Betrayal, and Blood: The Relationship Between Lady Margaret Douglas, Countess of Lennox, & Queen Elizabeth I
Amanda Tees-Bulgarelli; Salisbury University

White Hall Classroom Building 209

Ecology & Organismal Biology

Fri 10:30am-10:50am

The relationship between brain size and muscle mass among primates
Heidi Vollrath; University of Kentucky

Fri 10:50am-11:10am

An assessment of host-tick associations for small mammals in western Tennessee.
Deanna Long; University of Memphis

Fri 11:10am-11:30am

*Incubation constancy of American Avocets (*Recurvirostra americana*) nesting in an extreme environment*
Josh Hall; Weber State University

White Hall Classroom Building 211

Geography & Earth Sciences

Fri 10:30am-10:50am

Effects Of Hurricanes on Sea Surface Temperature
Travis Bush; Salisbury University

Fri 10:50am-11:10am

Particle Settling Velocities in Turbulent Conditions
Marek Jendrassak, Wilmot Merchant; Coastal Carolina University

Fri 11:10am-11:30am

Magnetic Susceptibility of Tree Leaves as a Simple, Cost-Effective Means of Monitoring Air Quality
Lucas Lloyd, Ryan Heaslet; Utah Valley University

White Hall Classroom Building 212

Political Science

Fri 10:30am-10:50am

What Heats Up Cools Off: A Study of U.S.-Russia Relations Past, Present and Future.
Devon Wells; Carthage College

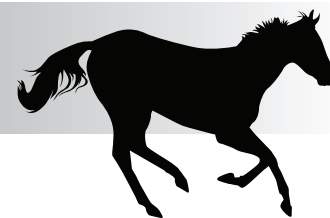
Fri 10:50am-11:10am

A Comparison on Education Policy
Quinn Neal; Hendrix College

Fri 11:10am-11:30am

Why Bother with School? Student Perceptions of Education and Business Sector Corruption in Russia
John Turiano; Fordham University

Oral Session 5



White Hall Classroom Building 213

Health Sciences & Public Health

Fri 10:30am-10:50am

Establishing Specificity of Concussion Special Tests
Elena Keretses; Western Carolina University

Fri 10:50am-11:10am

No relationship exists between age and GPA on exerted effort during baseline concussion assessment
William Gropitch; Ohio State University

Fri 11:10am-11:30am

Sensorimotor Adaptation of Vowel Production in Stop Consonant Contexts
Brittany Bernal; Marquette University

White Hall Classroom Building 214

Psychology

Fri 10:30am-10:50am

A Weighty Issue: Is Perfectionism in Female College Athletes a Possible Predictor of Eating Disorders?
Lauren Berry; Lafayette College

Philosophy & Ethics

Fri 10:50am-11:10am

Interactivity: Unique Aesthetics of Video Games
Asa Hosoda; Morehead State University

Computer Science

Fri 11:10am-11:30am

J.E.B. (Java Electronic Butler)
Tyler McConville; University of Nebraska, Kearney

White Hall Classroom Building 215

Management

Fri 10:30am-10:50am

Let's Get Fired Up
Carson Cone, LaShaude James, Julie Sem; University of North Carolina, Pembroke

Fri 10:50am-11:10am

"Systematic Pedagogy to Line Balancing with EXCEL"
Thomas Lovejoy-Henkel; University of North Carolina, Asheville

Fri 11:10am-11:30am

A Drop in the Bucket? : Optimal Greening of a Music Tour
Matthew Able, Theron J. Mackey, Charles H. DeHart; Capital University

White Hall Classroom Building 217

Philosophy & Ethics

Fri 10:30am-10:50am

Bride Trafficking
Xao Vang; Hamline University, St. Paul

Fri 10:50am-11:10am

Female Genital Mutilation: The Ethical Necessity for Action
Abbie Carver; Capital University

Fri 11:10am-11:30am

The USSR's Role in Imbalanced Sex Ratios at Birth and Human Trafficking in the South Caucasus
Abigail Burns; Virginia Commonwealth University

White Hall Classroom Building 219

Philosophy & Ethics

Fri 10:30am-10:50am

Which Came First, the Politics or the Metaphysics?
Pamela Meyerhofer; Xavier University

English

Fri 10:50am-11:10am

Raskolnikov and the Path Least Chosen: An Exploration of Character Metaphysics in Dostoevsky's "Crime and Punishment"
Richard Adams; Augusta State University

Fri 11:10am-11:30am

The Underground Man in Crime and Punishment
Kristen Topping; Augusta State University



Oral Session 5

White Hall Classroom Building 231

Economics

Fri 10:30am-10:50am

It's Complicated: The Relationship Between Property Tax Valuations on La Crosse's Waterfront and Interest Rates
Jeremy Shur; University of Wisconsin, La Crosse

Fri 10:50am-11:10am

A Closer Look at Changing Credit Conditions in a Local Economy
Arya Bhattarai; Franklin and Marshall College

Fri 11:10am-11:30am

The Relationship between Industrial Structure and Income Distribution in a Local Economy
Ameesh Upadhyay, Zefang Wang; Franklin and Marshall College

White Hall Classroom Building 233

Sociology

Fri 10:30am-10:50am

The Forbidden Fruit: Organized Religion as a Social Control Device
Mary Booker; Valdosta State University

Fri 10:50am-11:10am

Identity Management and Navigation Among Self-Identifying Atheists in the American Heartland
Martin Lukk; Wittenberg University

Fri 11:10am-11:30am

How the Deflection from Protestant Churches Affect the Membership of Evangelical and Atheist Groups
Antony Colon; Brooklyn College

White Hall Classroom Building 234

Political Science

Fri 10:30am-10:50am

A case study of civic engagement: La Crosse, WI Rotary Lights
Karin Johnson, Karin Johnson; University of Wisconsin, La Crosse

Fri 10:50am-11:10am

Service Learning from the Perspective of Community Partner Organizations
Joel McReynolds; University of Wisconsin, La Crosse

Fri 11:10am-11:30am

Consequential Interventions for the Casualties of Globalization
Betty Craipo; Eastern Washington University

White Hall Classroom Building 235

Mathematics

Fri 10:30am-10:50am

Combinatorics in the Sinha Spectral Sequence: Geometry of Knots in Higher Dimensions
Michelle Johnson; St. Catherine University, St. Paul

Fri 10:50am-11:10am

Counting Quantum Knots
Morgan Hoover; Morehead State University

Fri 11:10am-11:30am

Piecewise-linear Pseudodiagrams
Molly Durava; North Central College

White Hall Classroom Building 237

Anthropology & Archeology

Fri 10:30am-10:50am

Customization and Conflict: Biomedicine in Maasailand
Maye Emlein; Wheaton College - Massachusetts

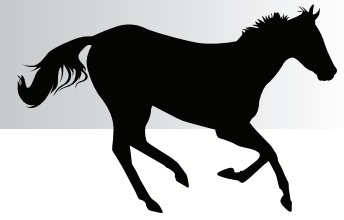
Fri 10:50am-11:10am

Gorovodu Medicine Amongst the Ewes of Ghana and Togo
Nishanth Alluri; Wayne State University

Fri 11:10am-11:30am

Efficacy of Long-Chain Fatty Acids and Immune Response
Casey Polmueller; Eastern Washington University

Oral Session 5



White Hall Classroom Building 238

Education

Fri 10:30am-10:50am

Examining How Children's Literature Historically Represents the Civil Rights Movement

Meghan Briscoe; Eastern Illinois University

Fri 10:50am-11:10am

Exploring the American Revolution from Multiple Perspectives through Critical Literacy Discussions in a Fifth-Grade Classroom

Janelle Roberts; Bridgewater State University

Fri 11:10am-11:30am

Investigating Amelia Earhart in Children's Literature

Dylan Dilley; Eastern Illinois University

White Hall Classroom Building 239

Women and Gender Studies

Fri 10:30am-10:50am

The Power of Sex: A Global Comparative Analysis of Gender in Leadership within The Private Sector Utilizing Kuhnian Paradigm Shifts and Sexual Difference Theory

Derrick Gaitér; Howard University

Fri 10:50am-11:10am

Women's Philanthropy: Why We Need to Reveal the Women Behind the Names

Ivy Keen; Hope College

Fri 11:10am-11:30am

Foucault and the Young Adult Heroine: Self-Discipline in the Dystopias of Divergent and The Hunger Games

Roberta Gordon; Univeristy of Missouri

White Hall Classroom Building 240

Media Studies

Fri 10:30am-10:50am

"Games People Play: a Study of Objectification in Gaming Culture

Nicole Gardella, Rusty Pope, Savannah Herber;
Appalachian State University

Fri 10:50am-11:10am

Women in the Media: An Analysis of the Objectification of Women in the United States Media Utilizing the Interaction Theory

Gladys Hetherington; Howard University

Fri 11:10am-11:30am

Pussy Riot: Russian Rogues in the Media

Alexa Money; Ithaca College

White Hall Classroom Building 241

Anthropology & Archeology

Fri 10:30am-10:50am

(Un)gendering the intersex body

Juan Riano; Wheaton College - Massachusetts

Fri 10:50am-11:10am

Familiarity and Similarity in Relationships

Brooke Noden; University of Wisconsin, Stout

Fri 11:10am-11:30am

VIEWS INTO THE HUMAN CONDITION DURING THE NEOLITHIC IN CRETE: ECHOES FROM THE ENDOPLAIN SITE OF APOSELEMIS

Kimberly Lombardi, Samantha Zawistowski; Adelphi University

White Hall Classroom Building 242

English

Fri 10:30am-10:50am

A Multimodal Symbiosis: Exploring the Interdependency of Image and Print

Sadie Robertus; Montana State University, Bozeman

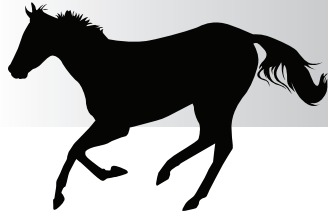
Interdisciplinary Studies

Fri 10:50am-11:10am

Reducing Information Overload

Colin Adamson, George Kinchen, Christian Gennaro, Derek May-West, Joshua Koehler, Peter Liu, Jason Zhang;

University of Maryland



Oral Session 5

Fri 11:10am-11:30am

The Battle Between Digital and Print: An Analysis of Electronic and Print Circulation within South Dakota Public Libraries

Krystal Christensen-Wiederrich; Black Hills State University

White Hall Classroom Building 243

Philosophy & Ethics

Fri 10:30am-10:50am

Completing Perception with Perception not Conception
Nicklaus McKinney; Coastal Carolina University

Fri 10:50am-11:10am

Michael Sandel and Theories of Justice
Melissa Bradley; Western Carolina University

Fri 11:10am-11:30am

Hegel's Logic Explained: An Exegetical Analysis of John W. Burbidge's Interpretation
Vladimir Titkov; Eastern Washington University

White Hall Classroom Building 244

Environmental Studies & Sciences

Fri 10:30am-10:50am

Green Synthesis, Characterization of Sugar Coated Gold Nanoparticles for Catalytic Applications
Jason Payne, Yogesh Kherde, Fenil Chavda; Western Kentucky University

Fri 10:50am-11:10am

Production of Biodiesel from Microalgae growing at Ruai Wastewater
Patrick Beckley; Howard University

Fri 11:10am-11:30am

Rapid burial and unusual preservation of a crinoid garden in the Mississippian Borden Formation of south central Kentucky
Jonathan Sparr; University of Kentucky

White Hall Classroom Building 245

History

Fri 10:30am-10:50am

The Really Forgotten Pandemic: Canada and the Spanish Flu in 1920

Taylor Jackson; Carleton University

Fri 10:50am-11:10am

Black Lung Disease: Who is Responsible?
Avril Simms; University of Kentucky

Fri 11:10am-11:30am

Disease, Poverty, and Warfare: The U.S. Path Toward Malaria Eradication
Caitlin Bentley; Ohio University

White Hall Classroom Building 246

Electrical Engineering

Fri 10:30am-10:50am

Parametric Modeling of Electric Vehicle Charging Profiles
Nicole Ng; Seattle University

Fri 10:50am-11:10am

Can Wind Power be used to Provide Sustainable Energy to Electric Vehicles?

Patrick Berg; Seattle University

Fri 11:10am-11:30am

Low Cost Electric Motor Life Test Fixture
Erik Mustain, Kenton Leon; Metropolitan State University of Denver

White Hall Classroom Building 247

Art History

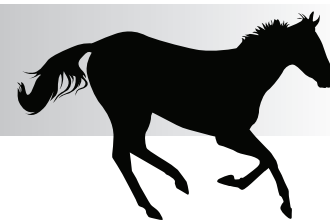
Fri 10:30am-10:50am

Jewish Women Artists' Contribution to the Understanding of Jewish Traditional Practice
Cosette Shachnow; Union College

Fri 10:50am-11:10am

Margaret Brundage: The Pulp Pin-Up Illustrator
Alexandra Beetz; Eastern Illinois University

Oral Session 5



Fri 11:10am-11:30am

“Alice’s Adventures in Wonderland” and the Anthropomorphized Animal

Mamie Cox; Truman State University

White Hall Classroom Building 303

Art History

Fri 10:30am-10:50am

Reinvention as Innovation: Michelangelo’s Interaction with Antiquity

Amy Angell; John Brown University

Fri 10:50am-11:10am

New Interpretation of Michelangelo’s Rondanini Pietà
Xiaoyu Zeng; Rhodes College

Fri 11:10am-11:30am

Mapping Spirituality in Michelangelo’s Doni Tondo
Joseph Thibeault; Rhodes College

White Hall Classroom Building 306

Physics

Fri 10:30am-10:50am

Investigation of the Thermal Wake Beneath Ascending Stratospheric Balloons

Mara Blish; St. Catherine University, St. Paul

Fri 10:50am-11:10am

Fluid Galilean Cannon

Brian Good; Depauw University

Fri 11:10am-11:30am

Flying Discs and the Effect of Disc Shape on their Flight Characteristics

Nolan Dwyer; Guilford College

White Hall Classroom Building 316

Economics

Fri 10:30am-10:50am

“She Works Hard for Her Money”: Living Wages and Their Impacts on Female Workers

Megan Morris; Seattle University

Fri 10:50am-11:10am

Feminization of Poverty today: An analysis of welfare expenditures and single-mother households in the United States

Audrey Sabatini; Siena College

Fri 11:10am-11:30am

Violence Against Women in San Martín, Peru: An Economic Analysis of Determinants and Access to Justice

Nathan Gencarella; Wheaton College - Illinois

White Hall Classroom Building 331

Biology

Fri 10:30am-10:50am

The effect of temperature on nitrogen fixation in freshwater Nostoc in the Hengill region of Iceland

Aimee Ahles; St. Catherine University, St. Paul

Fri 10:50am-11:10am

The Effects of Common Storm Water Pollutants on Freshwater Organisms

Kimberly Givan, Michelle Warren; Eastern Washington University

Fri 11:10am-11:30am

Identification and Quantification of Amphibian Pathogens in Dupage County, IL

Joel Di Bernardo, Katy Reese, Andrew DuBois; North Central College

White Hall Classroom Building 333

Chemistry

Fri 10:30am-10:50am

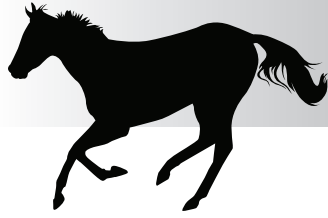
The Analysis of Biodiesel Blends by Fourier Transform Infrared Spectroscopy (FT-IR)

Aleksandr Pikalov; Eastern Washington University

Fri 10:50am-11:10am

Extraction of Lipids from Trap Grease for Biodiesel Production

Colin Stacy; Drexel University



Oral Session 5

Fri 11:10am-11:30am

The Characterization of Germanium Hydride Intermediates Using Matrix Isolation Infrared Spectroscopy
Christopher Bailey; Penn State Erie, The Behrend College

White Hall Classroom Building 334

Sociology

Fri 10:30am-10:50am

A Sociological Investigation into the American Government's Use of Drones
Aaron Albrecht; Truman State University

Fri 10:50am-11:10am

Urban Observations: Comparing Traditional Public Meetings and Creative Citizen Engagement and its Effectiveness in Community Redevelopment
Prami Sengupta; Florida Atlantic University

Fri 11:10am-11:30am

How the Authoritarian Government of Egypt Affects How the People Interact within Society
Sara Youssef; Virginia Commonwealth University

White Hall Classroom Building 335

Literature

Fri 10:30am-10:50am

George Egerton Re-imagining Motherhood During the Fin de Siècle
Elizabeth Neary; Muhlenberg College

Fri 10:50am-11:10am

The Oppressive Economy of Babies: Marxism in Atwood's The Handmaid's Tale
Samantha Baker; Winthrop University

Fri 11:10am-11:30am

From "The Handmaid's Tale" to "Bumped": The Continuing Discourse Concerning Women's Reproductive Rights in Dystopian Fiction
Debra Fitch; Ohio State University

White Hall Classroom Building 336

English

Fri 10:30am-10:50am

Contradiction of Epic Proportions: Virgil's Conflicting Portrayals of Aeneas in The Aeneid
Shauna Shahangian; University of West Georgia

Fri 10:50am-11:10am

Savage and Strange: The Literary Landscapes of Castaway Novels
Amanda Schoen; University of Hartford

Fri 11:10am-11:30am

Twice Made Men: The Journey to the Afterlife and Back
John-Michael Farkas; Xavier University

White Hall Classroom Building 337

Computer Science

Fri 10:30am-10:50am

Classification Algorithms for Detecting Duplicate Bug Reports in Large Open Source Repositories
Sarah Ritchey; Youngstown State University

Fri 10:50am-11:10am

Ontology-based Environment for Software Comprehension and Reuse
Andrew Boehner; Indiana University Kokomo

Fri 11:10am-11:30am

Creating Information Services for Tri-State Minority Organization
Abbie Clark; University of Southern Indiana
White Hall Classroom Building 338

Communications

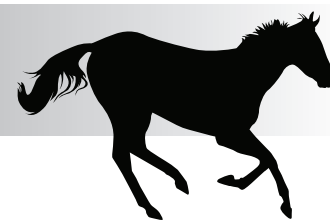
Fri 10:30am-10:50am

Competent Communication In Business
Billy Conn; University of Kentucky

Fri 10:50am-11:10am

Decision-Making and the Creation of Counter-Cultural Organizational Power Structures
Daniel Chick; Georgetown College

Oral Session 5



Fri 11:10am-11:30am

Improving Virtual Work Team Relationships Through Socially Interactive Workspace Design

Megan Devlin, Matthew Caggiano, Gwen Fernau, Eric Poandl; Ithaca College

White Hall Classroom Building 339

International Studies

Fri 10:30am-10:50am

Kill List: US Drone Policy and The Laws of Armed Conflict

John Wainwright; Virginia Military Institute

Fri 10:50am-11:10am

How Do the Non-Governmental and Humanitarian Relief Organizations Surpass the Social and Political Boundaries Established by the World States?

Elvina Ganbarova; University of West Georgia

Fri 11:10am-11:30am

Nongovernmental Organizations: The Mechanisms by which They Influence the UN and Their Added Value

Gabrielle Keleher; Queens University of Charlotte

White Hall Classroom Building 340

History

Fri 10:30am-10:50am

Killer Nurses: Nurses Under Nazi Rule

Madison Roswell; Hendrix College

Fri 10:50am-11:10am

The 'Good' Nazi: Erich von dem Bach-Zelewski and the Role of Morality in the H

Jonathan Kagan-Kans; Carleton College

Fri 11:10am-11:30am

The Mischlinge Link: The Evolution of Nazi Policy toward Peoples of Mixed Jewish Descent

Dylan Botteicher; Hendrix College

White Hall Classroom Building 341

Chemistry

Fri 10:30am-10:50am

Beta-Nitrostyrene Synthesis

Sharla Gadson; North Carolina Agricultural and Technical State University

Fri 10:50am-11:10am

Isolation and Characterization of a Pigment from Streptomyces Grown in the Presence of Nickel

Ian Booth; West Chester University

Fri 11:10am-11:30am

Revisiting Valinomycin: Effect of Water on the Conformation of Valinomycin-Cation Complex

Amaan Kazerouni; University of West Georgia

White Hall Classroom Building 342

Biology

Fri 10:30am-10:50am

Canine Heartworm Infection: Mosquito Vector Species Richness and Abundance in Jacksonville, Florida

Katherine Kara; Jacksonville University

Fri 10:50am-11:10am

*Development of Microsatellite Markers for the Study of Spider *Argiope aurantia**

Lauren Tesoriero; Adelphi University

Fri 11:10am-11:30am

*Modeling the Activity of Adult Lone Star Ticks (*Amblyomma americanum*) in Northeast Missouri*

Priya Maillacheruvu; Truman State University

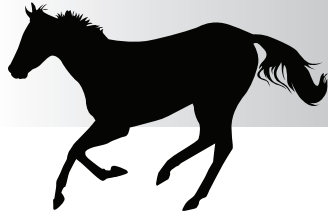
White Hall Classroom Building 343

Diversity Studies

Fri 10:30am-10:50am

A COMPARATIVE STUDY OF THE IMPACT OF ACTIVISM AND/OR RESISTANCE ON INDIGENOUS AND CHICANO IDENTITY

SimHayKin Jack; Eastern Washington University



Oral Session 5 and 7

Fri 10:50am-11:10am

Appalachian as Backwards: Persistent Stereotypes Among College Seniors in the South
Xavier Watson; University of Kentucky

Fri 11:10am-11:30am

The Assimilatory Patterns of European Immigrants in Lexington, Kentucky
Rachel Dixon, Joel Parker, Clay Marshall, Austin VonAxelson; University of Kentucky

White Hall Classroom Building 345

Engineering/Engineering Technology

Fri 10:30am-10:50am

Applications of Additive Manufacturing in Ultrasound Phantoms
Cindy Angpraseuth; Harvey Mudd College

Fri 11:10am-11:30am

Experimental determination of fused deposition ABSplus moduli with regards to print orientation
Timothy Anderson; Minnesota State University, Mankato
White Hall Classroom Building 346

Computer Science

Fri 10:30am-10:50am

Using the Raspberry Pi as a continuous medical monitor
Kun Jiang, Daniel Wiederecht; Widener University

Fri 10:50am-11:10am

Improving Socialization and Emotion Recognition for Autistic Children Using a Smartphone App
Cassidy Lamm, Lauren Lambert, Joshua Wolfe; University of Alabama

Fri 11:10am-11:30am

Computational Modeling of the pre-Bötzinger Complex
Maya Shende; Roanoke College

White Hall Classroom Building 347

Communications

Fri 10:30am-10:50am

Rhetorical power: Persona, Collective Identity, and Ideology in Organizational Mission Statements
Duy Nguyen; Saint John's University

Fri 10:50am-11:10am

Out of Mind: Judith Hermann, Public Memory and Rhetoric
Ryan Bince; Ithaca College

Fri 11:10am-11:30am

Philanthropy and Profitability in the same stride: A case study of the use of Cause Marketing by Tom's Shoes
Janet Schnurr; Hanover College

White Hall Classroom Building 349

Music Research and/or Analysis

Fri 10:30am-10:50am

Homosexuality and Creativity: Truth or Perception?
Ryan Adams; Capital University

English

Fri 10:50am-11:10am

Reading Never Let Me Go Through the Lens of Judith Butler
Emily Hill; Arkansas State University

Fri 11:10am-11:30am

Emotional Communities: A Psychological Sway
Rodolfo Nunez; Cerritos College

SESSION 7

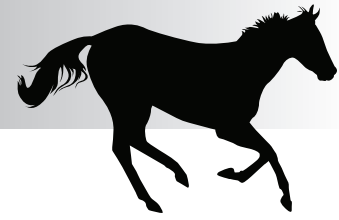
Fine Arts Building 0308B

International Studies

Fri 3:30pm-3:50pm

Analysis of Media Coverage of the Democratic People's Republic of Korea
Cecilia Moore, Holly Boggs; University of Georgia

Oral Session 7



Fri 3:50pm-4:10pm

Two Cultures, Two Worlds

Casey Graves; Georgia Southern University

Fri 4:10pm-4:30pm

Study Abroad and Global Citizenship: Evaluation of Competencies and Capacities

Raquel Munoz Ruiz; San Diego State University

Fine Arts Building 106

Ecology & Organismal Biology

Fri 3:30pm-3:50pm

Ecology and Biodiversity of Appalachian Cave Spiders

Linnea Carver; Sewanee

Fri 3:50pm-4:10pm

*Seasonality Changes in Web Size of the Orchard Spider, *Leucauge venusta**

Rachel Frank, Alexis Crouch; Jacksonville University

Fri 4:10pm-4:30pm

A Two-Year Assessment of Larval Mosquito Populations (Diptera: Culicidae) in Southwestern Ohio.

Kevin Perkins; Xavier University

Fine Arts Building 17

Arts Administration

Fri 3:30pm-3:50pm

Art, Ethics, and an FBI Investigation: Herring is sharing

Rebecca Schaller; University of Kentucky

Music Research and/or Analysis

Fri 3:50pm-4:10pm

Social Media and the Web-based Music Scene

Jameson Hynes; Bridgewater State University

Business/Finance/Accounting

Fri 4:10pm-4:30pm

An Ethical Analysis of Media Pirates: How Generations Sway Piracy

Allison Von Borstel; Carthage College

Fine Arts Building 208

Economics

Fri 3:30pm-3:50pm

More Money, More Problems?

Samantha Aw, Megan Morris, Louise Gappa; Seattle University

Fri 3:50pm-4:10pm

Effect of wealth shocks on health

Ryan Lindsay; Carthage College

Fri 4:10pm-4:30pm

Fortune 100 Turnover

Sean deLone; Guilford College

Fine Arts Building 004

Music Research and/or Analysis

Fri 3:30pm-3:50pm

Veni Emmanuel: The "O" Antiphons

Allison McClain; Jacksonville University

Fri 3:50pm-4:10pm

A Theoretical Examination and Abstraction of Arvo Pärt's "Magnificat"

Gabriel Estes; Elon University

Fri 4:10pm-4:30pm

Molding Martin: the Influences and Influencees of Martin Luther

Andrew McFarlane; Cedarville University

Fine Arts Building 006

Art History

Fri 3:30pm-3:50pm

John Cage: Drawing the Line Between Art and Performance in the 1960s

April Johnston; Truman State University

Fri 3:50pm-4:10pm

Buster Simpson and the Art of Urban Activism

Megan Moran; Seattle University



Oral Session 7

Fri 4:10pm-4:30pm

On the Road with Richard Prince: Beat Movement themes in the art of Richard Prince

Hannah Soltys; Saint Louis University

Lucille Caudill Little Fine Arts Library 301

Engineering/Engineering Technology

Fri 3:30pm-3:50pm

Stability of a Multi-Stage Amplifier Driving Complex Loads - A Topological Study

Jingyuan Liang, Maxwell Merget, Patrick Gallagher, Robert Pohlman; Milwaukee School of Engineering

Fri 3:50pm-4:10pm

Universal Shock Attenuator

Caitlin Holliday; Norwich University

Fri 4:10pm-4:30pm

High Receive Capacity Station

Guy Zerfoss, James Anderson, Mitchel Schroeder; Metropolitan State University of Denver

Lucille Caudill Little Fine Arts Library 302

Engineering/Engineering Technology

Fri 3:30pm-3:50pm

Swisslog Project: Multiple Carrier Dispatch Queuing

Nicole Herrmann, Andrew Mejia, Mason Fox; Metropolitan State University of Denver

Fri 3:50pm-4:10pm

Analysis of User Interface Concepts for the Smart Home

Jordan Jobs; Drexel University

Fri 4:10pm-4:30pm

UAS Navigation Using Digital Image Processing

Sean VandenAvond; University of Minnesota, Twin Cities

Patterson Office Tower 107

Nutrition

Fri 3:30pm-3:50pm

Effects of varying palmitic to stearic acid ratio in supplemental fat on dry matter intake, milk yield and milk composition of heat stressed primiparous cows

Kelly Froehlich; University of Minnesota, Twin Cities

Fri 3:50pm-4:10pm

Supplementing glycerol in nursery calf drinking water increases water intake but does not increase energy intake or calf growth

Kelly Froehlich; University of Minnesota, Twin Cities

Fri 4:10pm-4:30pm

Effects of Green Coffee Bean Extract on Weight: An Updated Meta-Analysis of Randomized Clinical Trials

Brianna Huynh; Jacksonville University

Patterson Office Tower 108

Film Studies

Fri 3:30pm-3:50pm

The Horror movie boom: What it meant for postwar Spain, and what it means for us today

Seth Nye; Weber State University

Fri 3:50pm-4:10pm

Living and Dying in Murderhouse: Abigail Hobbs in NBC's Hannibal

Emily Maesar; Western Carolina University

Fri 4:10pm-4:30pm

Media's Obsession with Tragedy: Are We Helping or Hurting Victims through Coverage?

Caroline Kim; George Mason University

Patterson Office Tower 110

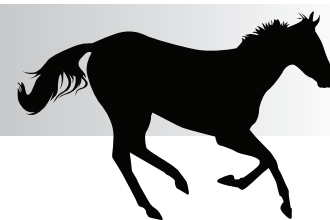
Health Sciences & Public Health

Fri 3:30pm-3:50pm

A Comparative analysis of health care systems and their effectiveness in Uruguay and Paraguay

Brianna Kline; Brockport

Oral Session 7



Fri 3:50pm-4:10pm

Just Care: Healthcare on the Margins

Lauren Gentry, Jacob Boersma, Erick Skaff; Hope College

Fri 4:10pm-4:30pm

Interoperability of CommCare within India's ASHA

Framework: A study on mobile health in Kishangarh block of Ajmer, Rajasthan

Alison Flaming; Occidental College

Patterson Office Tower 112

Biological Engineering

Fri 3:30pm-3:50pm

The Optimization of Porosity and Pore Patterning for Patient-Specific Ti-6Al-4V Femur Implants

S. Alex Paolicelli; Union College

Fri 3:50pm-4:10pm

The Consequences of Ankle Foot Orthosis Joint Misalignment Using a 3D Model

Samuel Kwak; University of Rochester

Fri 4:10pm-4:30pm

Restoration of Continence via Electrical Stimulation of Feline Pudendal Nerve

Shana Black; University of Utah

Patterson Office Tower 113

Geography & Earth Sciences

Fri 3:30pm-3:50pm

LEAD CONTAMINATION IN PASSAGE ISLAND SOILS & ROCK POOLS, ISLE ROYALE NATIONAL PARK

Steve Oxley; University of Wisconsin, La Crosse

Fri 3:50pm-4:10pm

Convection Initiation Along the Rocky Mountain Front Range

Brian Matilla; Florida International University

Fri 4:10pm-4:30pm

Public Perception of Severe Weather Risk in La Crosse, Wisconsin

Michael Heing; University of Wisconsin, La Crosse

Patterson Office Tower 145

Psychology

Fri 3:30pm-3:50pm

A Natural Restorative: The Effects of Natural Environments on Ego Depletion

Alexander Ward; Elon University

Philosophy & Ethics

Fri 3:50pm-4:10pm

Striving to be Thin: Pressures, Unrealistic Ideals and Essential Reformations in the Ballet World

Alyssa Mitchel; Dominican University of California

Psychology

Fri 4:10pm-4:30pm

The correlations between adolescent dance and body image

Katherine Bush; Virginia Commonwealth University

Patterson Office Tower 003

Psychology

Fri 3:30pm-3:50pm

Effect of Experience and Age of Exposure on Japanese

Discrimination between /l/ and /r/ Phonemes: An ERP Study

Breya Walker; University of Memphis

Fri 3:50pm-4:10pm

Cognate Status Moderates Age of Second Language

Acquisition Effects

Adam Bucar; Westmoreland County Community College

Fri 4:10pm-4:30pm

The Relative Contribution of Word Shape to Lexical Processing During Sentence Reading

Brandon Hansen, Radison Parry; Utah Valley University

Patterson Office Tower 005

Biology

Fri 3:30pm-3:50pm

Gene Duplication in Mitochondrial Genomes

Jose Maldonado; University of Texas, Arlington



Oral Session 7

Fri 3:50pm-4:10pm

The Mechanism of Asterless Reduction

Alberto Vizuet, Alberto Vizuet; University of Toledo

Fri 4:10pm-4:30pm

The Role of Asterless Domains in Embryogenesis

Suma Kolla, Suma Kolla; University of Toledo

Patterson Office Tower 007

History

Fri 3:30pm-3:50pm

God Himself Could Not Sink this Ship: The Altered Role of Religion in response to the R.M.S. Titanic

Kelly Hagerty; Gettysburg College

Literature

Fri 3:50pm-4:10pm

Rime of the Ancient Mariner: Christianity's Incompatibility with Inherent Human Inquisition

Elora Amtower; Salisbury University

Interdisciplinary Studies

Fri 4:10pm-4:30pm

The Drum Meets the Bell: Understanding Father Serra's Mission

Monica McGue; Dominican University of California

Patterson Office Tower 009

Political Science

Fri 3:30pm-3:50pm

Road to Partition?: Ethnic Self-Determination and Governance in Scotland and Catalonia

Matthew Levinson; Macalester College

Fri 3:50pm-4:10pm

Decision Making Strategies and Foreign Policy Outcomes: President Clinton's Advisory Group's Success in Bosnia

Cameron Millstone; Hendrix College

Fri 4:10pm-4:30pm

Red Lines: A Historiographical Analysis of the United States

Military Engagements of Foreign Policy Utilizing the Just War Theory

Dannie Bolden; Howard University

Singletary Center - President's Room

Music Research and/or Analysis

Fri 3:30pm-3:50pm

An Endless Song: Aphasia, Music Therapy, and Communication

Erin Townley; Lafayette College

Fri 3:50pm-4:10pm

Attention Deficit Hyperactivity Disorder and Autism

Spectrum Disorder in the Private Piano Studio: A Teacher's Handbook

Amber Bruns; Capital University

Fri 4:10pm-4:30pm

Establishing a Musical Dialogue with Non-verbal Exceptional Children

Brooke Winters; Elon University

Student Center - Center Theatre

Music Research and/or Analysis

Fri 3:30pm-3:50pm

Scarlatti vs. Contemporaries

Joy Brammer; Cedarville University

Fri 3:50pm-4:10pm

Prince Nikolaus Esterházy's Legacy: The Baryton Trios of

Franz Joseph Haydn

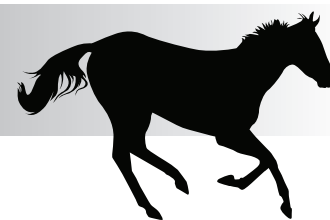
Lanson Wells; University of North Carolina, Charlotte

Fri 4:10pm-4:30pm

An Examination of Classical Music's Declining Relevance

Hayden Brown; Capital University

Oral Session 7



White Hall Classroom Building 102

Psychology

Fri 3:30pm-3:50pm

Extraversion and Expressivity: Patterns in Extremity, Redemption, Intimacy, and Content

Stephanie Smith; Saint Olaf College

Fri 3:50pm-4:10pm

Exploration of Authentic Leadership, Core Evaluations & Perceived Leadership Effectiveness

Mathew Goldberg; Elon University

Fri 4:10pm-4:30pm

Projecting Self and Increasing Telepresence by Merging Identities

Kevin Smith; Eastern Kentucky University

White Hall Classroom Building 110

Political Science

Fri 3:30pm-3:50pm

The Middle East's Post-Revolutionary Transitions in light of Post-1989 Eastern Europe

Dillon Baralt; Susquehanna University

Fri 3:50pm-4:10pm

News Parody in the Middle East: Indications of Political Liberalization and Media Freedom

Charles Harpole; University of Louisville

Fri 4:10pm-4:30pm

Egypt Post-Mubarak and the Turkish Model

Salma Abdou; Brooklyn College

White Hall Classroom Building 114

Psychology

Fri 3:30pm-3:50pm

Woman to Woman: Understanding Violence in Lesbian Relationships

Michayela Rosario; University of Memphis

Fri 3:50pm-4:10pm

Experiences of Fire Survivors: What Factors Predict Resilience

Austin Seeley; University of Northern Colorado

Fri 4:10pm-4:30pm

Survival of the Wisest and Forbearing

Allen Gorbonos; CUNY Brooklyn College

White Hall Classroom Building 122

Art History

Fri 3:50pm-4:10pm

Botticelli and the Medici: The Patron's Support during the Age of Savonarola

Abigail Johnson; Old Dominion University

Interdisciplinary Studies

Fri 4:10pm-4:30pm

Art and Richmond, VA

Monica Thornton; Virginia Commonwealth University

White Hall Classroom Building 201

Biology

Fri 3:30pm-3:50pm

Caffeine's Effect on Propagating Arrhythmias

Karl Larson; Virginia Commonwealth University

Fri 3:50pm-4:10pm

Chlamydia Pneumoniae in Atherosclerosis

Jason John; Virginia Commonwealth University

Fri 4:10pm-4:30pm

Galanin localization and actions in the guinea pig cardiac plexus

Alisha Linton; Ithaca College

White Hall Classroom Building 203

Physics

Fri 3:30pm-3:50pm

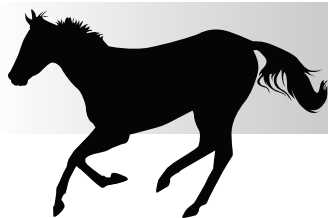
Synthesis and Characterization of Neodymium Nanoparticles

Maya Castro De La Torre; California State University Fresno

Fri 3:50pm-4:10pm

A classical analogue for adiabatic Stark splitting in non-hydrogenic atoms

Graham Gordon; Auburn University



Oral Session 7

Fri 4:10pm-4:30pm

Charge transport in CVD graphene with and without a silver coating

Marishka Oquendo Mustafa; University of Puerto Rico at Humacao

White Hall Classroom Building 204

Education

Fri 3:30pm-3:50pm

Brown vs. Urban Students: A Qualitative Analysis on How the Brown v. Board of Education Decision Has Had an Adverse Effect on Urban Education Using the Conflict Theory

Jaimee Johnson; Howard University

Fri 3:50pm-4:10pm

What Emerging Cyber-bullying Case Law Teaches Us About College Readiness and the Common Good

John Cusick, Dara Byrne; City University of New York

White Hall Classroom Building 205

African American Studies

Fri 3:30pm-3:50pm

Dissemblance in Toni Morrison's Beloved and the Slave Narrative of Dora Franks

Catherine Stiers; Western Carolina University

Fri 3:50pm-4:10pm

Cultural Twins: A Qualitative Study of Robert Farris Thompson's Ten Cannons of African Art in Relation to the Cultural and Philosophical Archetypes in Africa and Black America

Olivia Harp; Howard University

Fri 4:10pm-4:30pm

If Only I Had A Chance: Chicago Restriction in Richard Wright's Native Son

Sara Green; Western Carolina University

White Hall Classroom Building 207

Biochemistry

Fri 3:30pm-3:50pm

Structural and Functional Analysis of Disease Causing Mutations in the M10 Domain of Titin

Michael Rudloff; James Madison University

Fri 3:50pm-4:10pm

Structural Analysis of the Ig59 Domain of Obscurin

Tracy Caldwell; James Madison University

Fri 4:10pm-4:30pm

Structural Basis for Fas-Mediated Apoptosis and Mechanism of Inhibition

Bliss Chang; University of Alabama at Birmingham

White Hall Classroom Building 208

English

Fri 3:30pm-3:50pm

Finnegans Wake: James Joyce and His Public

Nathan Sandbothe; Truman State University

Fri 3:50pm-4:10pm

James Joyce and Pre-Revolution Ireland: The Living Ghost of Catholicism

Sean Clifford Clifford, David Twombly, John Condry, Paige Kelleher; Bridgewater State University

Fri 4:10pm-4:30pm

Irish Culture Created by William Butler Yeats

Paige Kelleher, John Condry, Sean Clifford, David Twombly; Bridgewater State University

White Hall Classroom Building 209

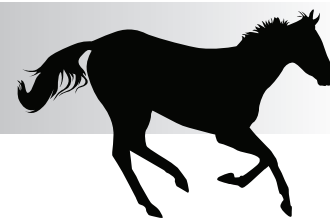
Engineering/Engineering Technology

Fri 3:30pm-3:50pm

Should consumers upgrade to energy efficient appliances or invest in alternative energy sources?

Lisa Bosman, Chase Quinney, Krista Buettner, Miranda Fink, Lincoln Peters; College of Menominee Nation

Oral Session 7



Fri 3:50pm-4:10pm

Small Scale Three-Stage Cascade Refrigeration System

Richard Anderson; Metropolitan State University of Denver

Fri 4:10pm-4:30pm

Sustainability through Soap: Small-Scale Solutions for Large-Scale Problems

Kendra Jones; Howard University

White Hall Classroom Building 211

Management

Fri 3:30pm-3:50pm

Workplace Bullying and Job Satisfaction: The Moderating Effect of Perceived Organizational Support

Amy Francis; University of North Carolina, Asheville

Fri 3:50pm-4:10pm

Addressing Social Media Conduct at Fortune 100 Companies: A Study of Codes of Conduct

Melissa Hrabec, Parker Riegelman; Minnesota State University, Mankato

Fri 4:10pm-4:30pm

"The Working Woman": How Societal Perceptions of Female Leaders Affect Staffing and Generate Obstacles for Women in Higher Education Organizations

Stephania Rodriguez; North Central College

White Hall Classroom Building 212

History

Fri 3:30pm-3:50pm

I, the Queen: The Power and Gender in the Reign of Isabel I of Castile

Sarah Hayes; Gettysburg College

Fri 3:50pm-4:10pm

Evansville's Home for the Friendless and the Downfalls of Female Reform

Brianna McLaughlin; University of Evansville

Fri 4:10pm-4:30pm

Petticoats and Parlors: The Political Power of Women as Seen Through Home Entertaining in the Civil War Era

Alana Shuma; North Central College

White Hall Classroom Building 213

Women and Gender Studies

Fri 3:30pm-3:50pm

The Female Proletariat: Marxism in Moulin Rouge

Jessie Sherry; Lee College

Fri 3:50pm-4:10pm

A Not So Cinderella Story: Gender Inequality in Anne Sexton's "Cinderella"

Elizabeth-Ann Diehl; Western Carolina University

Fri 4:10pm-4:30pm

Gender Strategies Associated with the Swedish Parental Leave Policy: Parenthood and Paternity Leave Ideologies in Stockholm

Catherine Yeh; Colgate University

White Hall Classroom Building 214

Political Science

Fri 3:30pm-3:50pm

Competing Frames of Egypt's Arab Spring in International News

Zachary Lemon; Juniata College

Fri 3:50pm-4:10pm

Citizen Perception of Political News Bias in the Age of Selective Exposure

Derrick Magnotta; Juniata College

Fri 4:10pm-4:30pm

The Revolution Will Be Televised: Social Change and Technology

Donald Fantozzi; University of Hartford

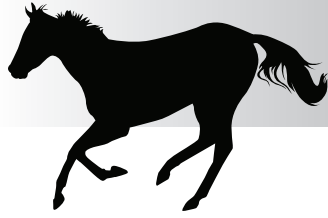
White Hall Classroom Building 215

Microbiology & Immunology

Fri 3:30pm-3:50pm

*Inhibition of Quorum Sensing by *Bacillus bucheri* in Conjunction with Antibiotics to Attenuate Virulence in *Pseudomonas aeruginosa**

Liana Angeli Apolis; Florida International University



Oral Session 7

Fri 3:50pm-4:10pm

Occurrence of Antibiotic Resistant Genes in Proximity to Wastewater Treatment Plants

Brooke Johnson; Eastern Kentucky University

Fri 4:10pm-4:30pm

Phylogeny of Soil Microorganisms in Runoff at an Extreme Acid Mine Drainage Site

Siby Sabu; Simpson University

White Hall Classroom Building 217

Cell & Molecular Biology

Fri 3:30pm-3:50pm

Antiproliferative Effect of Resveratrol in Rat Endothelial Cells (RAMEC) is Dependent on the Post-translational Modification of VACM-1/cul5 by NEDD8

Collin Breit, Zachary DeBruine; Hope College

Fri 3:50pm-4:10pm

*Expression of FGF9/16/20 and Foxp1 in Juvenile and Adult *Ciona intestinalis**

Brittany Prioleau; Winthrop University

Fri 4:10pm-4:30pm

Overexpression of BCL2 Improves HB1.F3.CD survival

Daniel Mota; Cerritos College

White Hall Classroom Building 219

History

Fri 3:30pm-3:50pm

French Opera and the French Revolution: Etienne Nicolas Méhul

Savannah Dotson; Hamline University

Fri 3:50pm-4:10pm

Robespierre, The Supreme Being, and the French Enlightenment

Cabell Willis; Virginia Military Institute

Fri 4:10pm-4:30pm

Twentieth-Century Interpretations of the Influence of Jean-Jacques Rousseau on the Reign of Terror

Hannah Malcolm; Appalachian State University

White Hall Classroom Building 231

English

Fri 3:30pm-3:50pm

The Interpretations of Avalon

Connor Renfroe; Winthrop University

Fri 3:50pm-4:10pm

Abstract: Painting Politics: The Classical Sources of Dante's Ekphrasis

John Appeldorn; Xavier University

Fri 4:10pm-4:30pm

Faeries and Visions: The Use of Medieval Conventions in Romantic Literature

Asha Azariah-Kribbs; Salisbury University

White Hall Classroom Building 233

Economics

Fri 3:30pm-3:50pm

Quantitative Easing and Monetary Policies' Impact on Risk Culture and Economic Recovery

Stephanie Lessing; University of Hartford

Fri 3:50pm-4:10pm

Monetary Policy Rules Under Different Federal Reserve Regimes

Harley White; Hendrix College

Fri 4:10pm-4:30pm

A Potential Bitcoin Investment Opportunity

Rainer Floeter; Albright College

White Hall Classroom Building 234

English

Fri 3:30pm-3:50pm

"Like a gipsy foundling": Cultural Implications of the Countess Olenska in Edith Wharton's The Age of Innocence

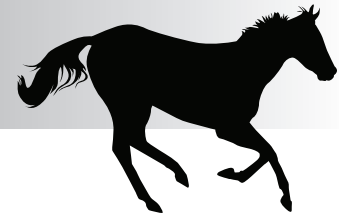
Brierly Wills; Winthrop University

Fri 3:50pm-4:10pm

Bildungsroman: A Search for Identity

Emily Sammons; Jacksonville University

Oral Session 7



Fri 4:10pm-4:30pm

Barbie's Rash Wish For The Curse

Margaret Speer; University of Rochester

White Hall Classroom Building 235

Anthropology & Archeology

Fri 3:30pm-3:50pm

Inside the Hidden House of Healing: Intentionality and Visual Anthropology at a Domestic Violence Shelter

Kenton Bell; University of North Carolina, Asheville

Fri 3:50pm-4:10pm

Revising the Past: Multiculturalism in Vietnam

Travis Muller, Cody Wiswasser; Ball State University

Fri 4:10pm-4:30pm

*Dietary differences and activity budgets of *Alouatta palliata* in primary and secondary forest fragments in Northeastern Costa Rica*

Lotte Jensen; University of Texas, San Antonio

White Hall Classroom Building 237

Computer Science

Fri 3:30pm-3:50pm

Creating a Successful Transit iPhone App (AsUBus)

Brian Clee; Appalachian State University

Fri 3:50pm-4:10pm

Real-Life Musical Compsotion Through Virtual Means: a Mobile Application Controlled Ukulele-Playing Robot

Christine Dierk; Elon University

Fri 4:10pm-4:30pm

Accurate and Timely Absolute Location for Augmented Reality Mobile Applications

Colleen Brockmyre; Elon University

White Hall Classroom Building 238

International Studies

Fri 3:30pm-3:50pm

Out of Many One People

Jonathon Cummings; Ithaca College

English

Fri 3:50pm-4:10pm

*Willa Cather's Construction of Female Protagonists in *My Antonia* and *Sapphira and the Slave Girl**

Hanna Szigeti; Albright College

Fri 4:10pm-4:30pm

"HUMAN TONGUE CANNOT TELL": DIALECT, LYRICISM, AND ANTI-SLAVERY ARGUMENTS IN WILLIAM WELLS BROWNS' THE ESCAPE, OR A LEAP FOR FREEDOM (1858)

Jillian Fields; Wells College

White Hall Classroom Building 239

Religious Studies

Fri 3:30pm-3:50pm

The Search for a Pentadic Theme

Joshua Brandon; Abilene Christian University

Fri 3:50pm-4:10pm

Connecting the Influences of Scientific Theories and Religious Beliefs

Virginia Cohen; Western Carolina University

Fri 4:10pm-4:30pm

The Effectiveness of Short-Term Intensive Youth & Family Ministry Internships

James Masterson; Lubbock Christian University

White Hall Classroom Building 240

Marketing

Fri 3:30pm-3:50pm

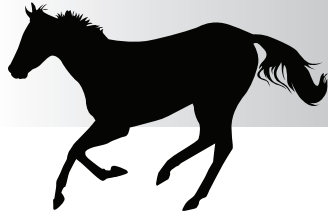
Placing Google Glass and Augmented Reality in Plastic Surgery

Saajan Patel; Virginia Commonwealth University

Fri 3:50pm-4:10pm

Consumer Perceptions on Online Privacy

Cara Luke, Erika Loberg; Fordham University



Oral Session 7

Fri 4:10pm-4:30pm

For Time and All Eternity: A Qualitative Study of Bridal Shopping of Women in Utah County
Karson Kalt; Utah Valley University

White Hall Classroom Building 241

Literature

Fri 3:30pm-3:50pm

Modes of Communication: the Real, Visual, and Mental World in Julio Cortázar's "Las Babas del Diablo"
Amanda Rigdon; Capital University

Fri 3:50pm-4:10pm

The Politics of Literature: Gabriel Garcia Marquez and Jorge Luis Borges
Tanairi Alcaraz; University of the Pacific

Fri 4:10pm-4:30pm

The Role of Language in the Perception of Reality in the Writings of Jorge Luis Borges
Jordan Hill; Hope College

White Hall Classroom Building 242

Linguistics & World Languages

Fri 3:30pm-3:50pm

Translating Indigenous Poetics: A Translation of Luis de Lion's "Su segunda muerte"
Savannah Logan; Loyola University

Fri 3:50pm-4:10pm

The Spanish Civil War in Translation
Michael Ehrenburg; Hendrix College

Fri 4:10pm-4:30pm

The Emergence of Arthurian Literature in Spain as a Response to Governmental and Societal Changes
Emily Stein; Hamline University

White Hall Classroom Building 243

Engineering/Engineering Technology

Fri 3:30pm-3:50pm

A comparative study of XPS and TEM depth compositional profiles
Jordan Hales; University of Michigan

Fri 3:50pm-4:10pm

A novel FPGA-based algorithm for message authentication using hybrid encryption scheme
Jonnetta Bratcher; Howard University

Art Studio (Visual Arts)

Fri 4:10pm-4:30pm

You got your code in my design
Brianna Piccari; Millersville University

White Hall Classroom Building 244

Health Sciences & Public Health

Fri 3:30pm-3:50pm

Three-Dimensional Segmentation and Reconstruction of Brain Tumors from MRI Images using a Hybrid Method of Gaussian Mixture Models and Region Growing
Remy Schott; Florida Institute of Technology

Fri 3:50pm-4:10pm

The Scientific Validity of Electroacupuncture Therapy
Anna Hegeler; Virginia Commonwealth University

Fri 4:10pm-4:30pm

Death and Dying: Natural Transition or Medical Problem?
Laryn Hoytt; Dominican University of California

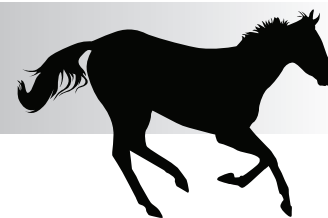
White Hall Classroom Building 245

Sociology

Fri 3:30pm-3:50pm

SEXUAL VIOLENCE ON COLLEGE CAMPUSES: INDIVIDUAL EXPERIENCE AND COLLECTIVE SILENCE AMONG SURVIVORS
Kelsey Ruane; James Madison University

Oral Session 7



Fri 3:50pm-4:10pm

Homicide Survivors' Needs, Experiences, and Perceptions of Closure: Asking the Experts
Larissa Saco; Occidental College-

Fri 4:10pm-4:30pm

Visible Mobile Disabilities Students and their Social Interaction on Campus
Yanique Walker; Brooklyn College

White Hall Classroom Building 246

Women and Gender Studies

Fri 3:30pm-3:50pm

"I want to see some leg": An Ethnographic Study of Burlesque in Terms of Empowerment versus Objectification.
Emily Hogan; Wartburg College

Fri 3:50pm-4:10pm

Breaking Body Barriers: Women in Physique Competitions
Sarah Wibell; Mercer University

Fri 4:10pm-4:30pm

Gender Performativity: Gender as a Performance and Social Construct
Shelby Vane; Salisbury University

White Hall Classroom Building 247

Education

Fri 3:30pm-3:50pm

A Qualitative Analysis of the Effects and Misplacement of Students in US Special Education Utilizing the Heutagogy and Ergonagy Theories
Zha'Mari Hurley; Howard University

Fri 3:50pm-4:10pm

Relationship of African American Vernacular English to Disproportionate Representation of African American Students in Special Education: A Meta-Synthesis of Research
Louise Strickland; Truman State University

Fri 4:10pm-4:30pm

The Effects of Maltreated Students Academically and Socially and Teacher's Methods of Support
Kaitlyn Gentry; Dominican University of California

White Hall Classroom Building 303

Chemistry

Fri 3:30pm-3:50pm

Collagen-Gold Nanoparticle Array as LSPR-Based Biosensor of Glucose
Jenifer Hatch, Sarah Unser, Ian Campbell; University of Cincinnati

Cell & Molecular Biology

Fri 3:50pm-4:10pm

Single Step, Aminoglycoside Mediated Synthesis of Gold Nanoparticles with Potent Antimicrobial Activity
Hannah Rodgers; Western Kentucky University
Chemistry

Fri 4:10pm-4:30pm

Designing a Unique Therapeutic Agent Involving Gold Nanoparticles Capped With Ceftazidime for Potent Antibacterial Applications
William Hamilton, Monic Shah, Varavoot Siriyutwatana;

Western Kentucky University

White Hall Classroom Building 306

Religious Studies

Fri 3:30pm-3:50pm

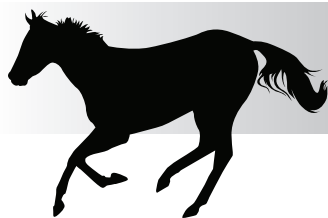
A Contextual Profile of Tariq Ramadan: Islam and Modernity Revisited
Lucy Ballard; Appalachian State University

Fri 3:50pm-4:10pm

"Religion in the Shadow of the Shoah: Exploring the Social Dimensions of Christianity"
Sarah Holland; Elon University

Fri 4:10pm-4:30pm

The reasons behind the hostility between members of Christianity and Islam while the origins of these religions remain intertwined
Jasmine Phaguda; Virginia Commonwealth University



Oral Session 7

White Hall Classroom Building 316

History

Fri 3:30pm-3:50pm

"Yes, of course there are problems..." Margaret Thatcher's Objection to German Reunification and its Effects
Richard Bordelon; Fordham University

Fri 3:50pm-4:10pm

A Forced Identity: The Production of a Distinct East German National Identity
Ryan McCluskey; Hendrix College

Fri 4:10pm-4:30pm

Nuremburg's Legacy Through the Lens of the John Demjanjuk Legal Saga
Julia Okada; Elon University

White Hall Classroom Building 331

English

Fri 3:30pm-3:50pm

Recovering a Living Poet: The Poetry of Herbert Woodward Martin
LaVelle Ridley; University of Toledo

Fri 3:50pm-4:10pm

Fitting into the Story: Western Romance and Blackness in Toni Morrison's "Tar Baby"
Carrie Moore; University of Southern California

Fri 4:10pm-4:30pm

Langston Hughes's Trailblazing Literary Aesthetic: Ignoring the White Gaze
Donald Brown; Mississippi State University

White Hall Classroom Building 333

Art History

Fri 3:30pm-3:50pm

Gazing at the Gazer: An Analysis of the Turkish Bath (1973) by Sylvia Sleigh
Katie Choi; University of the Pacific

Fri 3:50pm-4:10pm

Gender Crash: A Semiotic Analysis of Masculine Sexuality in Grant Wood's "Death on the Ridge Road"
Mark Lisowski; Ripon College

Fri 4:10pm-4:30pm

Art Nouveau Sexualization: Gendered Viewing Experiences of Poster Art
Anthony Amettis; Northern Illinois University

White Hall Classroom Building 334

Biology

Fri 3:30pm-3:50pm

*Evaluating the efficacy of fenbendazole against *Parascaris equorum* in young horses to reduce fecal egg counts*
Michelle Wynn; University of Kentucky

Fri 3:50pm-4:10pm

Comparison between hoof bath products
Alexis Thompson; University of Kentucky

Fri 4:10pm-4:30pm

Complete Genome Sequence Analysis of the KY84 Strain of Equine Arteritis Virus
Bora Nam; University of Kentucky

White Hall Classroom Building 335

Chemistry

Fri 3:30pm-3:50pm

Adaptability of Monoglyceride-Templated Crystallization: Effect of Specific Anion and Chain Splay
Omoakhe Tisor, Michelle Muzzio; Iona College

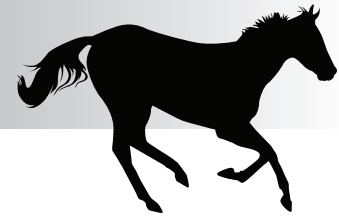
Fri 3:50pm-4:10pm

An Alternative Mechanism for the Kinetics of the Aqueous Formation of N-chloro-N-methylacetamide
Bridget Gromek; University of Hartford

Fri 4:10pm-4:30pm

Balancing the Intermolecular Forces in Peptide Amphiphiles for Self-Assembly

Oral Session 7



Michael Nicholl; Ohio State University

White Hall Classroom Building 336

Sociology

Fri 3:30pm-3:50pm

Identifying Need in the Inner City: Residents' Experiences and Perceptions on Living on the Near East Side of Columbus, Ohio

Christophe Valcourt; Capital University

Fri 3:50pm-4:10pm

Evaluating the Revanchist Theory: The Spatial Politics of Homelessness in Washington, DC

Hunter Scott; The George Washington University

Fri 4:10pm-4:30pm

Determining the Origins of the Nationalistic Culture of the Southern United States as Displayed through Flag Culture: A Review of Literature

John Rackoski; Virginia Commonwealth University

White Hall Classroom Building 337

Economics

Fri 3:30pm-3:50pm

College Campus Substance Violations and Sexual Assaults

Stacey Morris; Siena College

Fri 3:50pm-4:10pm

Determinants of Violent Crime in U.S: Evidence from State Level Data

Grace Piggott; University of Wisconsin, Stout

Fri 4:10pm-4:30pm

Crime Rates, Income Inequality, and Density at the Neighborhood Level

Andrew Hovel; Saint John's University

White Hall Classroom Building 338

Computer Science

Fri 3:30pm-3:50pm

Assessing the Level of Knowledge About Cybercrimes Among Young Adults Within the United Arab Emirates

Sarah Bamatraf; Zayed University

Fri 3:50pm-4:10pm

Identifying Product Preference by Gender Using Twitter

Justin Edse, Justin Edse, Yiye Ruan, Srinivasan Parthasarathy; Ohio State University

Fri 4:10pm-4:30pm

Modeling Tolerance in Dynamic Social Networks

Amanda Luby; College of Saint Benedict

White Hall Classroom Building 339

Anthropology & Archeology

Fri 3:30pm-3:50pm

*Growing Up Woolly: Ontogenetic scaling of the hindlimb musculature of Humboldt's woolly monkey (*Lagothrix lagotricha*)*

William Beckerson; Georgetown College

Fri 3:50pm-4:10pm

*The comparative and functional anatomy of the hindlimb musculature of Humboldt's woolly monkey (*Lagothrix lagotricha*) and why it matters to ape and human evolution*

Vanya Bistrekova; University of Kentucky

Fri 4:10pm-4:30pm

A new 3D approach to dietary reconstruction in fossil apes and early humans

William Witt; University of Kentucky

White Hall Classroom Building 340

Communications

Fri 3:30pm-3:50pm

Google Service: The Bridge between Expectations and Satisfaction

Jennifer Segal, James Walsh, Jennifer Barish, Michela Moe, Michelle Ammirati; Ithaca College

Fri 3:50pm-4:10pm

America the Be-You-Tiful

Elise Mihranian; Juniata College



Oral Session 7

Fri 4:10pm-4:30pm

Beauty, Happiness, and Other Figments of the Imagination: An Autoethnographic Examination of Body Image and Body Dissatisfaction

Courtney Pearson; University of Wisconsin- River Falls

White Hall Classroom Building 341

Philosophy & Ethics

Fri 3:30pm-3:50pm

Internal vs. External Law: A Critique of the Categorical Imperative from a Social and Political Perspective

Ariel May; Iona College

Fri 3:50pm-4:10pm

The Ethics of Anti-Panhandling Laws and the Criminalization of Homelessness

Carolyn May; Capital University

Fri 4:10pm-4:30pm

Practical Revolution: The Rejection of Violence and the Implementation of Peaceful Change

Jonathan Henderson; Midwestern State University

White Hall Classroom Building 342

History

Fri 3:30pm-3:50pm

Emerson and Thoreau on Slavery: Voices of Change or Changing Voices

Kelly McCormick; Illinois College

Fri 3:50pm-4:10pm

Slave Religions

Matthew Rakowski; Adelphi University

Fri 4:10pm-4:30pm

Slavery as Entertainment: Power Relationships of Slavery in 19th Century Minstrel Shows

Kelly Schmidt; Xavier University

White Hall Classroom Building 343

Law & Legal Studies

Fri 3:30pm-3:50pm

The New Direction of Affirmative Action: Judicial Decision Making, Social Science, and Meaningful Review of Race in Higher Education

Victoria Willis-Howard; Hamline University, St. Paul

Fri 3:50pm-4:10pm

Abolish, Maintain, or Reform? The Impartial Jury and the future of the Peremptory Challenge

Getzy Berger; Brooklyn College

Fri 4:10pm-4:30pm

Guilty of Homelessness: Evaluating the Criminalization of Homelessness Through a Human Rights Framework

Cristina Semi; Hamline University, St. Paul

White Hall Classroom Building 345

Philosophy & Ethics

Fri 3:30pm-3:50pm

Deconstructing Thomas Paine's Criticism of the Gospel of Matthew in the The Age of Reason

Stephan Rochefort; Massachusetts College of Liberal Arts

Fri 3:50pm-4:10pm

Implications on Selfhood in Alasdair MacIntyre's After Virtue

Walker Dorsett; Western Carolina University

Fri 4:10pm-4:30pm

Freedom, Respect, and Faithfulness: Epictetus' Essential Virtues

Mary Kathryn Jorgensen; Samford University

White Hall Classroom Building 346

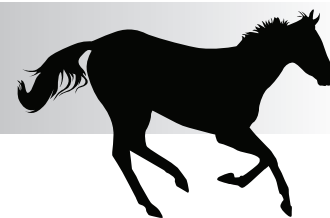
Mathematics

Fri 3:30pm-3:50pm

Population Estimation; a Bayesian Approach

Ricky Moore; University of North Alabama

Oral Session 7-8



Fri 3:50pm-4:10pm

Estimation of Growth Rates of Dreissena bugensis in Lake Michigan

Dylan Hardwick, Liv Heidenreich; University of Wisconsin, Milwaukee

Fri 4:10pm-4:30pm

Measuring the Effect of Crowd Attendance

Jess Conner, Garret Ruckel; Jacksonville University

White Hall Classroom Building 347

Literature

Fri 3:30pm-3:50pm

Darkness Lurking within William Blake's Songs of Innocence

Hannah Benden; Salisbury University

Fri 3:50pm-4:10pm

Thematic Similarities in George Chapman's "The Memorable Masque" and John Smith's "The Generall Historie"

Tyler Auffhammer; Western Carolina University

Fri 4:10pm-4:30pm

Multiplicities of Self and Fame Culture in Margaret Cavendish

Taylor Burmeister; Wittenberg University

White Hall Classroom Building 349

Education

Fri 3:30pm-3:50pm

Research-Oriented Series: A Portal into the Culture of Biomedical Research for Junior Medical Students

MOHAMMAD SHAREEF; Alfaisal University

Fri 3:50pm-4:10pm

Undergraduate Research: An Innovative Student-Centered Committee from the Kingdom of Saudi Arabia

Abdulhadi Alamoudi, hassan hrahmatullah, ranim chamseddin, mohammed shareef, loai dweik dweik; Alfaisal University

Fri 4:10pm-4:30pm

An Undergraduate Research Initiative to Improve K-12 Student Outcomes

Sarah Holt, Caroline McLean, Kristin Unruh, Brittani Shaw, Meagan Mingirulli, Carly Hall; Georgia Southern University

SESSION 8

Fine Arts Building 0308B

Biochemistry

Fri 5:00pm-5:20pm

MDA-MB-231: PROPOSED AS A MODEL CELL LINE FOR STUDIES OF MONOCARBOXYLIC ACID TRANSPORTER-4

Logan Van Hon; University of Minnesota, Duluth

Fri 5:20pm-5:40pm

Effects of Cellular Conditions on Hybrid Duplex Conformation and Stability

Leanna Hengst; State University of New York, Brockport

Fri 5:40pm-6:00pm

Galectin-1 and H-Ras mediate intermediate filament abnormalities in Giant Axonal Neuropathy

Kelsey Loden; Valparaiso University

Fine Arts Building 106

Health Sciences & Public Health

Fri 5:00pm-5:20pm

What social factors contribute to the under diagnosis of Type 2 diabetes among the Hmong community?

Jasmine Carter; University of the Pacific

Fri 5:20pm-5:40pm

The Associations Between Food Insufficiency, Dietary Choice and Body Mass Index

Kwasi Nyantakyi; University of Rochester

Fri 5:40pm-6:00pm

Exploring Heart Health in Appalachian Kentucky: Preparing Students for a Healthier Future

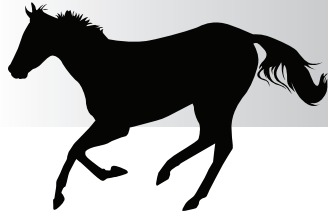
Michael Deaton; Eastern Kentucky University

Fine Arts Building 17

English

Fri 5:00pm-5:20pm

The Ambiguity of Masculinity and Femininity in The



Oral Session 8

Strange Case of Dr. Jekyll and Mr. Hyde
Holly Bassett; Valdosta State University

Fri 5:20pm-5:40pm

Taking Control: Women and Architecture in James, Hawthorne, Gilman and Poe
Lucia Smith; Ithaca College

Fri 5:40pm-6:00pm

The Advent of the Masculinized Woman in Romantic Literature
Alysha Allen; Salisbury University

Fine Arts Building 208

Sociology

Fri 5:00pm-5:20pm

The Role of Economic Development in Women's Social Capital: A Comparative Analysis of El Salvador and Poland
Dylan Brugman; Abilene Christian University

Fri 5:20pm-5:40pm

Life in Extraordinary Times: A Study of Muslim Women's Identities in Minnesota
Ardo Jimale; St. Catherine University, St. Paul

Fri 5:40pm-6:00pm

A Feminist Contradiction: How Feminist Anti-pornography and Anti-hookup Culture Movements Fail to Empower Women.
Amalia Ashley; Central Connecticut State University

Fine Arts Building 004

Music Research and/or Analysis

Fri 5:00pm-5:20pm

Songs of the Great French Heroes: France's Rich History of the Chansons de Jeste
Allison Butterworth; Cedarville University

Fri 5:20pm-5:40pm

Music as a Redeeming Force: Textual Manifestations in Gabriel Fauré's Setting of "La Chanson d'Ève"
Emma Childs; University of Minnesota, Twin Cities

Fri 5:40pm-6:00pm

Claude Debussy: Harmonic Innovations in Historical and

Musical Context

Ford Fourquarean; Columbus State University

Fine Arts Building 006

History

Fri 5:00pm-5:20pm

The University of Wisconsin and Madison: City and School in Symbiosis
Mark Boxell; University of Evansville

Fri 5:20pm-5:40pm

The Big Jump: Skiing and Heritage in Westby, Wisconsin, 1950-1959.
Jordan Marshall; University of Wisconsin, La Crosse

Fri 5:40pm-6:00pm

Progressive Era Business: An Analysis of the Great Northern Railway and its relations with the city of Duluth, Minnesota.
Enrique Ortega; Hamline University

Lucille Caudill Little Fine Arts Library 301

English

Fri 5:00pm-5:20pm

A Deconstructive Reading of In The Aeroplane Over The Sea
Nathaniel Smith; University of Wisconsin, La Crosse

Fri 5:20pm-5:40pm

Screwed-up Children in Henry James' Turn of the Screw
Javiera Green; Eastern Illinois University

Fri 5:40pm-6:00pm

As If a Man Were Author of Himself: An Analysis of the Relationship Between Coriolanus and Aufidius
Peter Dziadowicz; University of Wisconsin, La Crosse

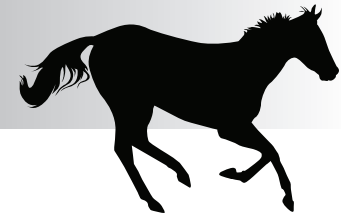
Lucille Caudill Little Fine Arts Library 302

English

Fri 5:00pm-5:20pm

Look! Magazine: The Push Towards Visual Literacy
Katherine Spevak; University of Wisconsin- River Falls

Oral Session 8



Economics

Fri 5:20pm-5:40pm

Online Poker Legalization: A Big Deal in the American Economy

Vinikarn Phahurat; Hendrix College

History

Fri 5:40pm-6:00pm

Rubber Versus Rail: The Decline of Streetcars in Detroit, 1922 - 1956

Robert Pfaff; Wayne State University

Patterson Office Tower 107

Poetry & Creative Writing

Fri 5:00pm-5:20pm

How Euripides Slew My Writer's Block, and Other Stories

Emily Brower; Union College

Fri 5:20pm-5:40pm

Poetry for the Average Joe

Caroline Eckstrom; Dordt College

Fri 5:40pm-6:00pm

Stork Daughter: A Novel

Ren (Lauren) Martin; Indiana Wesleyan University

Patterson Office Tower 108

Kinesiology & Exercise Science

Fri 5:00pm-5:20pm

Comparability of a weightlifting accelerometer to an infrared photocell timing system during repeated 1kg drop trials

William Castor; Salisbury University

Fri 5:20pm-5:40pm

Comparability of a weightlifting accelerometer to an infrared timing system during bench press exercise performed with different concentric muscle actions

Patrick Ferrara; Salisbury University

Fri 5:40pm-6:00pm

Reliability of A Weightlifting Accelerometer During Repeated 1 kg Drop Trials

Joseph Watso; Salisbury University

Patterson Office Tower 110

Ecology & Organismal Biology

Fri 5:00pm-5:20pm

Female Personality Depends on Body Size, Reproductive State, and Social Context in the Invasive Western Mosquitofish

Claire Hemingway; St. Edwards University

Fri 5:20pm-5:40pm

Difference in Diet Contents Among Sunfish Species Reveals Habitat Partitioning Within Dream Lake, Hobart, WI

Kristin Kniech; St Norbert College

Fri 5:40pm-6:00pm

*Dispersal ability of the Frecklebelly Darter (*Percina Stictogaster*).*

Brooke Washburn; Morehead State University

Patterson Office Tower 112

Business/Finance/Accounting

Fri 5:00pm-5:20pm

Optimizing Shelf-Space Allocation at a Retailer

Corey Lewis; Capital University

Fri 5:20pm-5:40pm

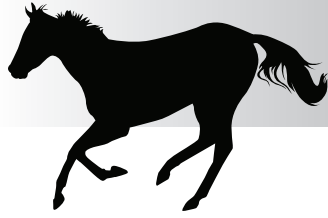
The Outdated Grocery Shopping System and Solution to Current Consumer Demands

Beth Portesi; Sierra Nevada College

Fri 5:40pm-6:00pm

University Park: An Opportunity to Link Town and Gown

Taylor McCreery, Taylor Clark; University of Hartford



Oral Session 8

Patterson Office Tower 113

Management

Fri 5:00pm-5:20pm

Exploring Nonprofit Managers' Response to Budgetary Constraints During the Great Recession

Clary Lambertson; University of North Carolina, Asheville

Fri 5:20pm-5:40pm

Strategic Analysis of the Confucius Institute of New England

JIA WU, Zhenqing Wu, Fang Ji; Bridgewater State University

Fri 5:40pm-6:00pm

Students' Perception of Key Performance Indicators for Peer Assessment in Group Work

Alexy Luecke; Hamline University

Patterson Office Tower 145

International Studies

Fri 5:00pm-5:20pm

The Impact of Third Party Mediation on the Sustainability of Peace After Internal Conflicts

Casey Boland; University of Rochester

Fri 5:20pm-5:40pm

Risky Business: a panel study of the effect of government economic policies on FDI in post conflict countries

Samantha Garst; Roanoke College

Fri 5:40pm-6:00pm

The Effects of Ethnic Saliency on Post-Conflict Democratization: A Comparative Analysis of Bosnia-Herzegovina, El Salvador and Afghanistan

Connor Diesing; Virginia Military Institute

Patterson Office Tower 003

Political Science

Fri 5:00pm-5:20pm

A Mixed Methods Analysis of the Social Effects Resulting from the Illegalization of Cannabis Using the Utilitarian, Capitalist and Group Conflict Theories

Darius West; Howard University

Interdisciplinary Studies

Fri 5:20pm-5:40pm

Drug Dosage – Ensuring a High Level of Effectiveness through Applications of Loading Doses

D'von Jackson; Fisk University

Political Science

Fri 5:40pm-6:00pm

A Question of Impact: Evaluating the Implementation of the Aviation Drug-Trafficking Control Act of 1984

David Clark; Truman State University

Patterson Office Tower 005

Psychology

Fri 5:00pm-5:20pm

The Effects of Repetitive Transcranial Magnetic Stimulation on Major Depression Disorder

Qinpu He; Centre College

Fri 5:20pm-5:40pm

Replenishing Mental Energy for Pain Management

John Notorgiacomo; Thomas More College

Fri 5:40pm-6:00pm

Distinguishing the Meditative Benefits of Drawing Within and Without Borders on Acute Stress Levels

Kaitlin Schneider; Black Hills State University

Patterson Office Tower 007

Economics

Fri 5:00pm-5:20pm

The Economic Impact of Home Weatherization in Reading, Pennsylvania

Darielle Christman, Shangqin Chen; Franklin and Marshall College

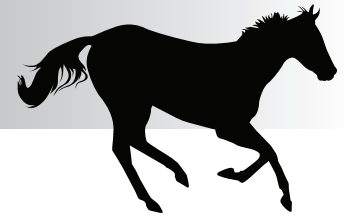
History

Fri 5:20pm-5:40pm

Revolution in the Heartland: White Guilt and Ideological Superiority in the Weather Underground

Taylor Williams; Hendrix College

Oral Session 8



Literature

Fri 5:40pm-6:00pm

Weather as Science and Literature

Sarah Fingerle; Valparaiso University

Patterson Office Tower 009

Biology

Fri 5:00pm-5:20pm

An immunotherapy against human tumor cells using viral RNA.

Ellen Dore; University of Alaska Anchorage

Fri 5:20pm-5:40pm

Potential Environmental Causes for Central Appalachia's Thyroid Hotspot

Maddison Couch; University of Virginia's College at Wise

Fri 5:40pm-6:00pm

Investigation of the Genetic Links between Hippo Signaling Pathway and Drosophila C-terminal Src Kinase (d-Csk)

Hailey Kwon; University of Dayton

Singletery Center - President's Room

Theatre/Drama

Fri 5:00pm-5:20pm

Gender Performance in Aeschylus' Persians and its Effects on Chorus- Character Interactions

Amanda Wood; Gustavus Adolphus College

Fri 5:20pm-5:40pm

I Am My Own Wife: Research for the Actor

Matthew McDougal; Keene State College

Fri 5:40pm-6:00pm

"Late Seventies, Southern California, Punk-Rock Kid": Queer Places, Counterpublics, and Tim Miller's Spilt Milk

Colin Loeffler; North Central College

Student Center - Center Theatre

Music Research and/or Analysis

Fri 5:00pm-5:20pm

Minnie, The Girl Who Lived: Why Cowgirls Make Better Role Models than Angels

Sarah Tomlinson; Michigan State University

Fri 5:40pm-6:00pm

The Question of Major and Minor

Dylan Woodring; Capital University

White Hall Classroom Building 102

Psychology

Fri 5:00pm-5:20pm

Evolutionary Influences on the Face-in-the-Crowd Effect: Interactions Between Race and Emotion

Priyanka Shrestha; Berea College

Fri 5:20pm-5:40pm

The Influence of Anxiety on Verbal Memory in Multiracial and Monoracial Students

Thandi Lyew; Florida International University

White Hall Classroom Building 110

Architecture & Interior Design

Fri 5:00pm-5:20pm

Mediating Self-identity

Abida Bibi; University of Wisconsin, Milwaukee

Psychology

Fri 5:20pm-5:40pm

Acoustic Features of Cultural Attitude in Koreans and Non-Koreans

In Hyuk Hwang; Hope College

Fri 5:40pm-6:00pm

Effectiveness of "Global to Local" Program on Cultural Self-Awareness

Victoria Rehr; Juniata College



Oral Session 8

White Hall Classroom Building 114

Political Science

Fri 5:00pm-5:20pm

A Comprehensive Study of the Ethiopian Commodity Exchange

Alex Stoffregen; University of Wisconsin, La Crosse

Fri 5:20pm-5:40pm

The Unreached Consensus: The Effects of Corruption on Economic Growth in Advanced, Transitional, and Least Developed Economies

Elena Shulgina; University of Kentucky

Fri 5:40pm-6:00pm

The DPRK's "Military First Policy" and Its Impact on the North Korean leaderships' Pursuit of the Chinese "Open-Door" Economic Reforms

Cho Yeon Kim; Macaulay Honors College - Baruch

White Hall Classroom Building 122

Psychology

Fri 5:00pm-5:20pm

The Effects of Religious/Cultural Ideologies and Experiences on Attraction and Comfort Level in Cross-sex Interactions

Mindy Schaper; University of Memphis

Fri 5:20pm-5:40pm

PERCEPTION OF RELIGIOUS DISCRIMINATION IN JUDGMENTS OF LAW ENFORCEMENT BEHAVIOR

Danielle Siebert; University of Kansas School

Fri 5:40pm-6:00pm

Constructing Spiritual Mattering: A Validation Study

Avia Gray; Abilene Christian University

White Hall Classroom Building 201

Art History

Fri 5:00pm-5:20pm

In the Mouth of the Monster: a Study of Ancient Maya Architecture and its Relationship to the Cosmos

Rosemarie Bermudez; University of Wisconsin- River Falls

Fri 5:20pm-5:40pm

Illuminated Manuscripts of the Golden Age

Margot Willis; John Brown University

Fri 5:40pm-6:00pm

Joaquin Torres-Garcia: Going beyond the Grid

Laura de Socarraz-Novoa; Saint Louis University

White Hall Classroom Building 203

Women and Gender Studies

Fri 5:00pm-5:20pm

Disembodied Objects: Japanese Tentacle Erotica and the Genderless Construction of Genitalia

Dylan Hallingstad O'Brien; Hamline University, St. Paul

Fri 5:20pm-5:40pm

Legislating Lust: A Comparative Legal Analysis of Prostitution Policies in Central and Eastern Europe

Bethany Murray; Gustavus Adolphus College

Fri 5:40pm-6:00pm

Reproductive and Sexual Health Disparities Among US College-aged Black Women: An Examination of Perceptions and Consequences

Omolayo Ogunnowo; Minnesota State University, Mankato

White Hall Classroom Building 204

Interdisciplinary Studies

Fri 5:00pm-5:20pm

Human Rights Norm Change: LGBT Rights in an Enlarged Europe

Ashley Fowler; Elon University

Fri 5:20pm-5:40pm

Behind Closet Doors: The Early Foundations of the Queer Rights Movement

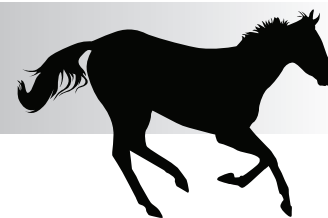
Hailey Jures; Occidental College-

Fri 5:40pm-6:00pm

Freaks, Fags, and Ferocious Feminists

Jake-Ryan Kent; University of Wisconsin- River Falls

Oral Session 8



White Hall Classroom Building 205

Cell & Molecular Biology

Fri 5:00pm-5:20pm

MOLECULAR FORENSICS OF HUMAN BLOOD ISOLATED FROM BED BUGS

Jennifer Raffaele, Brittany McCarthy; James Madison University

Fri 5:20pm-5:40pm

Suppression of Lymphangiogenesis Using VEGF-C Trap
Ryan Watkins; University of Utah

Fri 5:40pm-6:00pm

The Anti-angiogenic and Anti-proliferative Effects of Falcarindiol

Whitney Stibb; Wisconsin Lutheran College

White Hall Classroom Building 207

Philosophy & Ethics

Fri 5:00pm-5:20pm

Instrumentalism in Epistemology and Education
Brolin Graham; Eastern Washington University

Fri 5:20pm-5:40pm

The Presocratic Roots of the Doctrine of Divine Immutability
Dennis Calkins, Jacob Larson; Hamline University

Fri 5:40pm-6:00pm

The Scientific Outlook
Evan Haynes; University of the Pacific

White Hall Classroom Building 208

Education

Fri 5:00pm-5:20pm

Exploring the Possibilities: Using iPads to Enhance Teaching and Learning

Kaleigh Kennedy, Cassandra Carter, Olivia Wardle, Alexandra Lee, Edrick Hamilton, Nikki Erdely, Alanna Rowan, Victoria Cann; Jacksonville University

Fri 5:20pm-5:40pm

Benefits of iPads Being Used As Assistive Technology For Students On The Autism Spectrum

Barbara Livingston; Dominican University of California

Fri 5:40pm-6:00pm

Teaching Through Video Games
Jenna Peet; Brooklyn College

White Hall Classroom Building 209

International Studies

Fri 5:00pm-5:20pm

Attracting Foreign Direct Investment in the Central Asian Republics: A Lesson in Investing Dangerously
Sagatom Saha; American University

Fri 5:20pm-5:40pm

Official Development Assistance and Foreign Direct Investment and their Effects on Democratization and Governance

Daniel Durbin; Hendrix College

Fri 5:40pm-6:00pm

HOW DOES FOREIGN DIRECT INVESTMENT INTO RESOURCE EXTRACTING INDUSTRIES AFFECT THE ENVIRONMENTAL WELFARE OF THE DEVELOPING WORLD?

Timothy Cywinski; Roanoke College

White Hall Classroom Building 211

Microbiology & Immunology

Fri 5:00pm-5:20pm

The Role of Physical Interaction Between Allergenic Fungi and Human Airway Epithelial Cells in Activation of the Innate Immune Response

Kristina Marinak, Sergio Rodriguez; Randolph College

Fri 5:20pm-5:40pm

AhR as an Immunoregulator
Erica Miller; Virginia Commonwealth University



Oral Session 8

Fri 5:40pm-6:00pm

Transgenic Expression of CXCR3 Worsens the Already Inadequate Th2-Type Immune Response to Leishmania major Parasites

James Stock; Ohio State University

White Hall Classroom Building 212

English

Fri 5:00pm-5:20pm

“The New Pyrrhus: Hamlet, the Players, and Acts of Compromise”

Tyler Brooks; Winthrop University

Fri 5:20pm-5:40pm

Feste of Twelfth Night: Shakespeare’s Indispensable “Corrupter of Words”

Leah Rhodes; Western Carolina University

Fri 5:40pm-6:00pm

Hamlet, Luther, and the Protestant Hero

Matthew Higdon; Winthrop University

White Hall Classroom Building 213

African American Studies

Fri 5:00pm-5:20pm

A Qualitative Analysis of the Prospect of Achieving Peace and Equality in America through Acts of Nonviolence: The 50th Anniversary of the March on Washington as Evidence

Loren Parker; Howard University

Fri 5:20pm-5:40pm

Gentrification in the Black Metropolis of Washington, DC: A Triangulative Analysis Using the Independent versus Dependent Communities Theory

Candace Broughton; Howard University

Fri 5:40pm-6:00pm

Race in American Politics: A Qualitative Analysis of Why African American Politicians Use Deracialization as an Election Strategy

Cymill Jarrett-Thorpe; Howard University

White Hall Classroom Building 214

History

Fri 5:00pm-5:20pm

Pirate Gold and Sailor Gain: Property and Ownership among Pirates, Privateers and Sailors during the Golden Age of Piracy

Allyson Ropp; University of North Carolina, Asheville

Fri 5:20pm-5:40pm

Across the Middle Passage: Cultural Retention through African Naming Practices in Seventeenth-Century Barbados

Johanna Obenda; University of Alabama

Fri 5:40pm-6:00pm

The Co-hong and the Company: An Analysis of Quasi-Governmental Relations in Eighteenth Century Canton

Nicholas Drake; Hendrix College

White Hall Classroom Building 215

Marketing

Fri 5:00pm-5:20pm

Social Media’s Influence on the Motivations of College Students to Volunteer

Mallory Mitchell; University of Montevallo

Fri 5:20pm-5:40pm

Consumer Behavior Implications Regarding Non-Profit Organizations

Zachary Heckscher, Alyssa Giacomucci, Silke Bechtel, Christopher O’Farrill, Andrew Herman; West Chester University

Fri 5:40pm-6:00pm

CCFB

JULia Drake, Julia Drake, Matt Delio, Tyler Wallace, Dan Tirney; West Chester University

White Hall Classroom Building 217

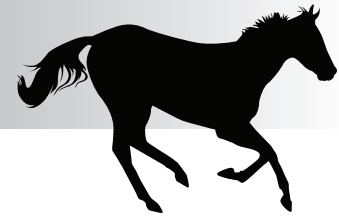
Engineering/Engineering Technology

Fri 5:00pm-5:20pm

Automotive Generated Thermal Exhaust Waste to Electrical Power Conversion

Adam Kocienski; Norwich University

Oral Session 8



Fri 5:20pm-5:40pm

Electromagnetic Clutch

Korey Whitaker, Chad Wasson, Tashon Brown; Norwich University

Fri 5:40pm-6:00pm

Heat Transfer Manipulation of Friction Based Vehicle Braking Systems

Lukas Vaznonis, Adam Thomas, Jason West; Metropolitan State University of Denver

White Hall Classroom Building 219

Sociology

Fri 5:00pm-5:20pm

How does online gaming affect adolescents' social behaviors?

Hien Dang; Virginia Commonwealth University

Fri 5:20pm-5:40pm

No Girls Allowed: How Female Gender Performance is Restricted in World of Warcraft

Karissa Mehr; Concordia College, Moorhead MN

Fri 5:40pm-6:00pm

Online Dating and American Culture: Economy, Serendipity, and Self-Construction in Memoirs of Internet-Mediated Courtship

Andrew Anguiano; San Jose State University

White Hall Classroom Building 231

History

Fri 5:00pm-5:20pm

The Wrong Tools for the Job: The Peiping Executive Headquarters Committee during Marshall's Mediation Mission to China, 1945-1947

William Thompson; Virginia Military Institute

Fri 5:20pm-5:40pm

Chinese Women's Urban Employment and its Relationship with the Media in the Reform Period

Chelsea Miller; Wayne State University

Fri 5:40pm-6:00pm

Manzhouguo's Forgotten Collaborators, 1932-1945

Jennifer Imber; Hendrix College

White Hall Classroom Building 233

Education

Fri 5:00pm-5:20pm

Examining the Implementation Process Related to the Use of E-text/Course Content in Business School Classrooms

Shadlan Gale, Ashley Jefferies; Utah Valley University

Fri 5:20pm-5:40pm

Interdisciplinary Research and Writing to Create Textbooks: Tablet Technology for Elementary Social Studies

Scott May, Adam Shigley, Heidi Noneman; Ball State University

Fri 5:40pm-6:00pm

The Application of Universal Design for Learning (UDL) in an Early Literacy Study

Laura Geiman; Morehead State University

White Hall Classroom Building 234

Political Science

Fri 5:00pm-5:20pm

Human Dignity and Involuntary Sterilization: How Changing Conceptions of Reproductive Justice affected the Reformation of Involuntary Sterilization Law

Benjaman Ault; Hendrix College

Fri 5:20pm-5:40pm

Reproductive Rights and Development: Effectively Using Male and Cultural Perspectives

Alyssa Scott; Carthage College

Fri 5:40pm-6:00pm

Investing in the Empowered: Women's Attainment of Human Rights Attracting Foreign Direct Investment

Jeremy Williams; Hendrix College

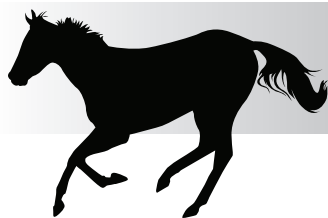
White Hall Classroom Building 235

Literature

Fri 5:00pm-5:20pm

Bridget Jones and Hannah Payne: the Nineteenth Century Heroine Remade

Anna Falardeau; Anderson College



Oral Session 8

Fri 5:20pm-5:40pm

Power is Power: Women and George R. R. Martin's A Song of Ice and Fire

Kerishma Panigrahi; Macaulay Honors College at Hunter College, CUNY

Fri 5:40pm-6:00pm

Undressing Little Red Riding-Hood: Female Sexual Power in Angela Carter's "The Company of Wolves"

Christian Rogers; Western Carolina University

White Hall Classroom Building 237

Philosophy & Ethics

Fri 5:00pm-5:20pm

Harmony and Justice from Within: The Good Life

Tiffany VonVitzthume; Western Carolina University

Fri 5:20pm-5:40pm

Natural Harmony: A Moral Imperative

Jessica Strasen; Dominican University of California

Fri 5:40pm-6:00pm

Moral Creation: Aesthetic Aspects of Existential Ethics

Lucas Dolan; Hamline University

White Hall Classroom Building 238

Biology

Fri 5:00pm-5:20pm

Individuality in Canyon Wren Birdsong

Kelsey Eickelman; University of Northern Colorado

Fri 5:20pm-5:40pm

How does continuity and versatility vary in mockingbird song based on marital status and breeding stage?

Helen Wright; Elon University

Fri 5:40pm-6:00pm

The effects of noise from gas extraction sites on the songs and density of breeding bird populations.

Maiya Block; Hendrix College

White Hall Classroom Building 239

Physics

Fri 5:00pm-5:20pm

Exploring the Collective Properties of ^{160}Gd through the (n, n') reaction.

Zachary Tully; University of Wisconsin, La Crosse

Fri 5:20pm-5:40pm

Silicon Photomultiplier Testing for the Class 12 Hodoscope and G-2 Calorimeter Detectors

Edwin Dunnavan; James Madison University

Fri 5:40pm-6:00pm

Optimization of the Static First Hyperpolarizability of Many Non-Interacting Fermions in One Dimension

Edwin Bernardoni; Case Western Reserve University

White Hall Classroom Building 240

Neuroscience

Fri 5:00pm-5:20pm

Environmental Enrichment Promotes Adaptation to Rearrangement of the Environment in Young Rats

Dana Cobb; Appalachian State University

Fri 5:20pm-5:40pm

Optogenetics in Alzheimer's disease: activation of PP-2A in protein tau hyperphosphorylation

Ellen Korcovelos; Virginia Commonwealth University

Fri 5:40pm-6:00pm

Enhanced Assay for Monitoring Age-Dependent Dopaminergic Neuronal Loss in a Fly Model of Parkinson's Disease

Aditya Srivatsan; Stanford University

White Hall Classroom Building 241

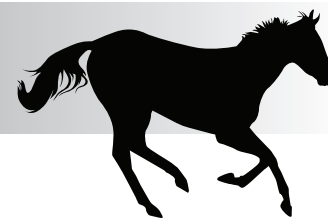
Chemistry

Fri 5:00pm-5:20pm

The Determination of 2, 4, 6-Trichloroanisole using picoSpin NMR

Derek McCoy; Siena Heights University

Oral Session 8



Fri 5:20pm-5:40pm

The Effects of Various Components on Bacterial Growth in Artificial Urine

Rida Khan; University of Houston

Fri 5:40pm-6:00pm

The Impact of Cellular Crowding on the Kinetics of the Ascorbate Reduction of the Ferrioxamine B and Bipyridine Ternary Complex

Evan Samples; Radford University

White Hall Classroom Building 242

Nursing

Fri 5:00pm-5:20pm

Hispanic Women's Adherence to U.S. Providers'

Recommendations

Maritza Contreras; Marquette University

Fri 5:20pm-5:40pm

Food cost may be an incentive to healthy eating in Kentucky counties

Anthony Carney; University of Kentucky

Fri 5:40pm-6:00pm

Compassion Fatigue in Rural Midwestern Nurses

Joshua Heinzen; Gustavus Adolphus College

White Hall Classroom Building 243

Interdisciplinary Studies

Fri 5:00pm-5:20pm

The Economic Violation of Sovereignty: A Triangulative Analysis of the International Repercussions of the United States' Subsidization of Agribusiness Using the Capitalist and Social Contract Theories

Jack Solano; Howard University

International Studies

Fri 5:20pm-5:40pm

Conceptualizing the Paradox Surrounding the Commodification of Quinoa in the Andes

Bailey McWilliams; Wheaton College - Massachusetts

Fri 5:40pm-6:00pm

America, Real or Perceived Superpower?: A Qualitative Analysis of US Interventionism Using the Power and Coercion Paradigm

Shanique Campbell; Howard University

White Hall Classroom Building 244

Linguistics & World Languages

Fri 5:00pm-5:20pm

"We're Not Stupid Y'all: Disproving the Misconception of Southern Stupidity and the False Connection Between Dialect and Intellect."

Lauren Clark; Winthrop University

Fri 5:20pm-5:40pm

China, America, and Chinglish

Amy Lee; Virginia Commonwealth University

Fri 5:40pm-6:00pm

Can You Escape Miasma?

Kimberly Hughes; Marshall University

White Hall Classroom Building 245

Biology

Fri 5:00pm-5:20pm

*Life History of the Umatilla dace (*Rhinichthys umatilla*) in the Colville River, Stevens County, Washington*

Bryan Witte; Eastern Washington University

Fri 5:20pm-5:40pm

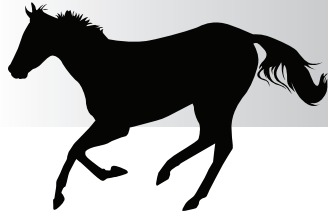
Invasive Brook Stickleback on Turnbull National Wildlife Refuge and their Impact on other Species

Jessica Walston; Eastern Washington University

Fri 5:40pm-6:00pm

*Diet, age and growth of brown trout, *Salmo trutta*, in the Colville River watershed*

Jenna Hatem; Eastern Washington University



Oral Session 8

White Hall Classroom Building 246

Religious Studies

Fri 5:00pm-5:20pm

Evil's Mockery: Morality and Marring in the Mind of Tolkien
Michael Thames; Western Carolina University

Fri 5:20pm-5:40pm

The Evolution of Satan.
Hanan Huneidi; Dominican University of California

Fri 5:40pm-6:00pm

Absolved from Evil: Theodicy in the Jewish Tradition
Sarah Cohen; Winthrop University

White Hall Classroom Building 247

Economics

Fri 5:00pm-5:20pm

Is It The Economy Or The Institutions Themselves? A Case Study For Determining The Factors That Contribute To Rising Tuition Rates at Private Colleges And Universities in Texas
Michael Ijeh, Joshua Neel; Texas Tech University

Fri 5:20pm-5:40pm

Rising Above the Deficit: Reform and Developing Student Loan Management Strategies
Mikelya Gilyard; Albany State University

Fri 5:40pm-6:00pm

Educational attainment and income among Wisconsin Native American tribes
Elliot Charette Charette; University of Wisconsin, Superior

White Hall Classroom Building 303

Economics

Fri 5:00pm-5:20pm

College Online Classes: The Impact of Flexibility and Satisfaction in Alternative Online Settings
Hillar Neumann; University of Wisconsin, Stout

Fri 5:20pm-5:40pm

The Effects of Supplemental Instruction on Student Achievement
Kathryn Beck; University of Wisconsin, Whitewater

Fri 5:40pm-6:00pm

Where Charter Schools Choose to Locate: An Examination of Michigan
Kyle Koller; University of Wisconsin, Whitewater

White Hall Classroom Building 306

Ecology & Organismal Biology

Fri 5:00pm-5:20pm

*Recovery of Forest Diversity After Removal of Invasive *Euonymus fortunei**
Kali Mattingly; Transylvania University

Fri 5:20pm-5:40pm

Examining the influence of disturbance on the relative success of sexual and clonal recruitment of Japanese Knotweed
Chelsea Gowton; Susquehanna University

Fri 5:40pm-6:00pm

*Flowering Phenology of *Echinacea angustifolia* in Minnesota Tallgrass Prairie Remnants Over Three Years*
Sarah Baker; St. Catherine University, St. Paul

White Hall Classroom Building 316

English

Fri 5:00pm-5:20pm

Shaping and Struggling: Feminine Agency in Pre-Christian Scandinavia
Adam Carl; Ohio State University

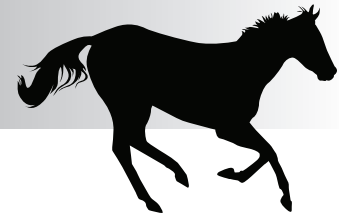
Fri 5:20pm-5:40pm

Battle-Wolf
Zacrey Hansen; Utah Valley University

Fri 5:40pm-6:00pm

Ravenous Wolves: Premonition, Resonance, and the Animal-Human Continuum in Blood Meridian
Katharyn Makaroff; Cerritos College

Oral Session 8



White Hall Classroom Building 331

English

Fri 5:00pm-5:20pm

The History and Scandal of Ireland's Magdalene Asylums: A Historical and Literary Review
David Twombly, John Condry, Paige Kelliher, Sean Clifford;
Bridgewater State University

Fri 5:20pm-5:40pm

Between "Tartan" and "Noir:" Investigating Identity and Nation in Scottish Detective Fiction
Kelsey Roebuck; Grinnell College

Fri 5:40pm-6:00pm

Burns the Man, Burns the Poet: Critical Studies and Receptions of Scotland's National Bard
Nicholas Hall; Wheaton College - Massachusetts

White Hall Classroom Building 333

Communications

Fri 5:00pm-5:20pm

A Widening Digital Divide: Infrastructure and Governmental Control in an Age of Expanding Internet Use
Joseph Bruno; Elon University

Fri 5:20pm-5:40pm

Moscow Gets the Cold Shoulder: Framing of the 1980 Olympic Boycott in U.S., Soviet and British Media
Michelle Alfini; Elon University

Fri 5:40pm-6:00pm

Organizational Values in Crisis Communication: Exploring the Use of Corporate Codes of Values in Public Responses to Crises
Baron Smith; Elon University

White Hall Classroom Building 334

Education

Fri 5:00pm-5:20pm

Science Fiction and the Gothic; Experience and Imagination to Promote Meaningful Learning
Sarah Hubbard; John Brown University

Fri 5:20pm-5:40pm

The Importance of the Storyteller
Kim Griffin; University of North Georgia

Fri 5:40pm-6:00pm

Accuracy of Historical Content in Children's Literature
Valerie Metz; Eastern Illinois University

White Hall Classroom Building 335

Anthropology & Archeology

Fri 5:00pm-5:20pm

GIS Analysis of Social and Spatial Interactions of Australian Aboriginal Peoples in NW Northern Territory, Australia Before and After European Contact
Yolona Ngandali; University of Wisconsin, La Crosse

Fri 5:20pm-5:40pm

How to Define Genocide
Rhiannon Hansing; Albright College

Fri 5:40pm-6:00pm

Humanizing Prisoner Rights
Chelcee Carter, Kathryn Anderson; University of Kentucky

White Hall Classroom Building 336

History

Fri 5:00pm-5:20pm

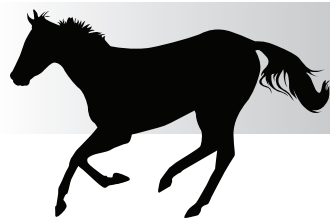
Their Only Chance at Happiness: Religion as a Factor in the Assimilation of Jewish Refugee Children from the Kindertransport in Great Britain
Kelly Timmerman; University of Wisconsin, La Crosse

Fri 5:20pm-5:40pm

To Fight and Die as Lions: Jewish Resistance in Warsaw, Treblinka and Vilna
David Lincoln; Elon University

Fri 5:40pm-6:00pm

British-Jewish Volunteers in the Spanish Civil War
Danielle Fontaine; Lafayette College



Oral Session 8

White Hall Classroom Building 337

Chemistry

Fri 5:00pm-5:20pm

A Multi-step Synthesis of the Lactone 3,6-dihydro-2H-pyran-2-one

Bradley Cundiff; Georgetown College

Fri 5:20pm-5:40pm

*Isolation and characterization of bioactive pseudoguaianolides from *Helenium flexuosum* seeds*

Gyungyoun Baek; University of Minnesota, Crookston

Fri 5:40pm-6:00pm

CH₃CHFCH₂Cl and CF₃CHFCH₂Cl: an examination of the effect of an electron-donating and electron-withdrawing substituent on the CH₂FCH₂Cl analogue

Corey McClintock; University of North Carolina, Asheville

White Hall Classroom Building 338

Art History

Fri 5:00pm-5:20pm

The Male Venus in Art History: Emulating the Trope of the Goddess of Love and Sexuality

Kevin Whiteneir; Ripon College

Fri 5:20pm-5:40pm

The Greek Male Nude in Art: Heroic Herakles and Ephebic Apollo

Lauren Harding; Utah Valley University

Fri 5:40pm-6:00pm

Michelangelo, Nicodemism and The Florence Pietà

Taylor Conrad; Rhodes College

White Hall Classroom Building 339

Communications

Fri 5:00pm-5:20pm

How to Communicate with a Foreigner When Doing Group Work in College

Peiqing Chen; University of Wisconsin, La Crosse

Fri 5:20pm-5:40pm

Overcoming Communication Apprehension for Future Pharmacists

Dale Dong; University of the Pacific

Fri 5:40pm-6:00pm

Pell grant recipient fears financial pain in face of government shutdown

David Thackham; Winthrop University

White Hall Classroom Building 340

Literature

Fri 5:00pm-5:20pm

V for Vendetta: The Clash of Extremes and Who They Create

Allison Kim; Mercer University

Fri 5:20pm-5:40pm

Using New Historicism to Critique Cultural Oppression and Discrimination in the Harry Potter Novel Series

Sarah Lechner; University of Wisconsin, La Crosse

Fri 5:40pm-6:00pm

The Three Sisters: Bringing New Light to the Deathly Hallows

Lindsey Monroe; Winthrop University

White Hall Classroom Building 341

Anthropology & Archeology

Fri 5:00pm-5:20pm

Religiosity and Attitudes Towards Cosmetic Surgery among Latter-day Saint Women

Danielle Jennings; Utah Valley University

Fri 5:20pm-5:40pm

The Search for Women in Archaeological Site Records

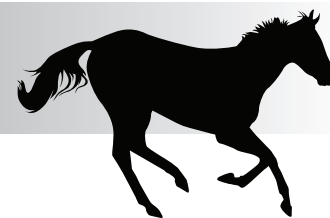
Kristina Hill; Eastern Washington University

Fri 5:40pm-6:00pm

Kawaii Ambassadors: Interpreting Cuteness and Femininity in Japanese and American Cultures.

Cassandra Newcomb; Salisbury University

Oral Session 8



White Hall Classroom Building 342

English

Fri 5:00pm-5:20pm

Moral Crossroads of World War I: Examining Shell Shock in Both Literature and News

Caitlin Bean; Hood College

Fri 5:20pm-5:40pm

Reading William Osbourne, Writing Denis O'Connell

Denis O'Connell; Bridgewater State University

Fri 5:40pm-6:00pm

Realization of the Castration Anxiety: Psychoanalysis of The Sun Also Rises

Aaron Cole; Western Carolina University

White Hall Classroom Building 343

Environmental Studies & Sciences

Fri 5:00pm-5:20pm

Atmospheric Characterization on a Regional and Local Scale from Radiosonde and Surface Meteorological Measurements

Ian Krintz; Appalachian State University

Fri 5:20pm-5:40pm

Land Use Implications on Rural Community Resilience, National Security, and Climate Change in Brazil

Maximilian Stiefel; University of Utah

Fri 5:40pm-6:00pm

Payment for Ecosystem Services for Carbon Sequestration in Haiti: Climate Action and Cross Cultural Partnerships for Resiliency, Adaptation, Research, and Education

Linnea Carver; Sewanee

White Hall Classroom Building 345

Cell & Molecular Biology

Fri 5:00pm-5:20pm

Determination of Active Transcription Factors and Their Regulatory State Domains During Post-Gastrular Gut Formation in the Sea Urchin Larva

Gracia Ng; Xavier University

Fri 5:20pm-5:40pm

The Non-Oxidative Branch of the Pentose Phosphate Pathway of Salmonella is Necessary for Resistance to Reactive Nitrogen Species

Rick Poppe; University of Nebraska, Kearney

Fri 5:40pm-6:00pm

Determining growth factor signaling pathways in endothelial cells treated with RNAi to silence FoxO transcription factors

Katrina Harmon; Winthrop University

White Hall Classroom Building 346

Communications

Fri 5:00pm-5:20pm

Road to Glory: Representation, Race, and the 1966 NCAA Basketball Championship

James Wittenborg; Saint John's University

Fri 5:20pm-5:40pm

The Glass Ceiling and Gender Bias in the Media

Kelsey Zenna; Albright College

Fri 5:40pm-6:00pm

The Readability of Fantasy Sports Journalism

William Loveland; Ithaca College

White Hall Classroom Building 347

Mathematics

Fri 5:00pm-5:20pm

Timetabling Using Graph Coloring and Artificial Intelligence

Jordan Rickman; Rollins College

Fri 5:20pm-5:40pm

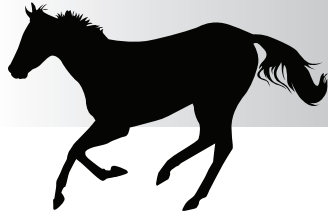
Optimal allocation of employee resources to meet staffing demands

Kane Mach, Eli Towle; University of Wisconsin, Stevens Point

Fri 5:40pm-6:00pm

Effectiveness of Course Offerings Using the Suurballe Algorithm

Margaret Wiczorek; North Central College



Oral Session 8-9

White Hall Classroom Building 349

Business/Finance/Accounting

Fri 5:00pm-5:20pm

The impact of Glass-Steagall and its repeal on the Financial System during the past two decades
XINJIAO ZHAI; Fordham University

Economics

Fri 5:20pm-5:40pm

Exploring the Economic Value of Communist Party Membership
Ran Wang; Union College

Fri 5:40pm-6:00pm

Get in or Get out: Does financial liberalization of banking sector have impact on China's economic growth?
Licheng Yin; Saint John's University

SESSION 9

Fine Arts Building 0308B

Cell & Molecular Biology

Sat 9:00am-9:20am

Methylation Sensitive High Resolution Melt in the Study of the E-cadherin Promoter
Laura Gressler; Hendrix College

Sat 9:20am-9:40am

Characterization of Small Molecule Inhibitors of Bacterial Virulence Protein Secretion
Shauna Abdouche; Moravian College

Sat 9:40am-10:00am

Critical amino acids responsible for GEF activity in Syx
Zoe Rocke; Jacksonville University

Fine Arts Building 106

Religious Studies

Sat 9:00am-9:20am

Critical Analysis of Neo-Pagan Ritual and Identity
Elliott Skaggs; Appalachian State University

Sat 9:20am-9:40am

Storytelling and Story-listening as an Effective Response to the Problem of Evil
Carolyn May; Capital University

Sat 9:40am-10:00am

An Examination of the Political and Religious Reasons for Anti-Semitism in Early Christian Documents
Anthony Nuccio; North Central College

Fine Arts Building 17

English

Sat 9:00am-9:20am

Irony and the Insecurity of Puritan America in The Holder of the World
Simon Harris; University of the Pacific

Sat 9:20am-9:40am

Re-imagining Boundaries: Travel Writing, Knowledge Production, and Empire in Bharati Mukherjee's The Holder of the World
Adnan Hashtam; University of the Pacific

Sat 9:40am-10:00am

The Development of Twentieth Century Female Education in Kiran Desai's The Inheritance of Loss
Ambreen Hooda; Trinity University

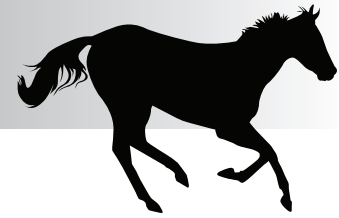
Fine Arts Building 002

Music Research and/or Analysis

Sat 9:00am-9:20am

Collaborative Composition: A (Non)Musical Perspective of the Creative Process
Ford Fourquarean; Columbus State University

Oral Session 9



Sat 9:20am-9:40am

Control Freak: The Battle for Musical Control Between the Original Composer and the Improvising Performer: The History of Improvisation and Embellishment
Simon Yeh; Cedarville University

Fine Arts Building 208

History

Sat 9:00am-9:20am

The Burning and Rebuilding of St. Xavier Church: Understanding Catholic-Protestant Relations
Charles Rosebrough; Xavier University

Sat 9:20am-9:40am

Turkey and Israel: The Ten Good Years
Ayala Lieberman; Brooklyn College

Sat 9:40am-10:00am

Understanding Zionism by Uncovering its Origins
Tyler Weisman; Randolph Macon College

Fine Arts Building 004

Music Research and/or Analysis

Sat 9:00am-9:20am

Low Latency Audio Video: Potentials for Collaborative Playing Through Distance Learning
Holly Riley; University of North Carolina, Greensboro

Sat 9:20am-9:40am

Teaching Tonewoods and Transforming Values: How we can ensure music as we know it is sustainable
Calla Olson; Luther College

Sat 9:40am-10:00am

Counterpoint Through the Ages
Kevin McCall; Western State College
Fine Arts Building 006

Economics

Sat 9:00am-9:20am

Agent-Based Modeling of Capacity Constrained Oligopoly
Yue Yin; Lafayette College

Sat 9:20am-9:40am

Impacts of Macroeconomic Factors on Industries' Equity Returns
Yen Tran; Morehead State University

Sat 9:40am-10:00am

Multi-metric Indicator Use in Social Preference Elicitation and Valuation
Patrick Fogarty; University of Wisconsin, Whitewater

Lucille Caudill Little Fine Arts Library 301

English

Sat 9:00am-9:20am

Drowning Capitalism: The Aquatic Redemption of the Rabbitte Family in Roddy Doyle's The Barrytown Trilogy
Ashley Miller; Valdosta State University

Sat 9:20am-9:40am

Infinite Self-Consciousness: The Life and Work of David Foster Wallace
Colby Minifie; Macaulay Honors College - Hunter

Sat 9:40am-10:00am

Travel Memoirs: Catering to a Unique Kind of Dreamer
Laura Epps; Anderson College

Lucille Caudill Little Fine Arts Library 302

English

Sat 9:00am-9:20am

The Role of Genre Cues in Naturalizing Sherwood Anderson's Winesburg, Ohio
Matt Sluder; Truman State University

Sat 9:20am-9:40am

"Reasoning with Paradox, Contradiction, & the Second Earl of Rochester"
Alexandria Hughes; University of Wisconsin, La Crosse

Sat 9:40am-10:00am

Gabriele D'Annunzio and a New Italy
Joseph Lewis; Anderson College



Oral Session 9

Patterson Office Tower 107

Kinesiology & Exercise Science

Sat 9:00am-9:20am

Effect of multi-joint velocity-based training on the development of explosive power in NCAA Division III hockey players

Brendan Durkee; State University of New York, Brockport

Sat 9:20am-9:40am

Test-Retest Reliability of Tendo Weightlifting Analyzers With Recreational and Explosive Contractions During Bench Press Exercise

Edwin Miranda; Salisbury University

Sport Management

Sat 9:40am-10:00am

The Brand of Universities Through Athletics: Target Marketing or Target Missing?

James Bradley, Caitlin Gerig, Nicholas Senti; Radford University

Patterson Office Tower 108

Linguistics & World Languages

Sat 9:00am-9:20am

Language Maintenance and Shift Among the Polish Community in Georgia

Simone Romuzga; Occidental College-

Sat 9:20am-9:40am

This Isn't Your Grandma's Polish: Sex, Drugs, Hip-Hop and the Influence of American English on Polish Slang

Michael Chrusciel; Wayne State University

Sat 9:40am-10:00am

Heritage Language Maintenance

Gladys Gonzalez; University of Wisconsin, Milwaukee

Patterson Office Tower 110

Physics

Sat 9:00am-9:20am

The Effect of Impact Mechanics and Chest Protectors on Commotio Cordis

Rebecca Megchelsen; Dordt College

Sat 9:20am-9:40am

Preparation of Lithium Niobate for Silver Nanowire Synthesis by Mechanical Polishing

Aaron Mosey; University of North Carolina, Asheville

Sat 9:40am-10:00am

Utilization of noise in micro-electro-mechanical systems

Patrick Snyder; University of Illinois at Urbana-Champaign

Patterson Office Tower 112

Geography & Earth Sciences

Sat 9:00am-9:20am

Slum or Settlement? Rewriting the Narrative of Urban Poverty, with a Focus on Community Organizing and Autonomy in Oaxaca, Mexico

Evan Sweet; University of Kentucky

Sat 9:20am-9:40am

The Human Geography of Assateague Island

Thomas Green; Salisbury University

Sat 9:40am-10:00am

The Motivations and Impacts of Government Policy on Cross-Border Dynamics: A Case Study of Costa Rica Border Regions

Gloriana Sojo Lara; The George Washington University

Patterson Office Tower 113

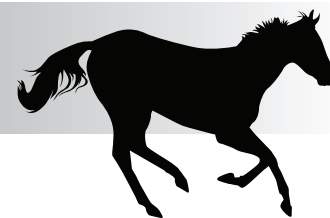
Microbiology & Immunology

Sat 9:00am-9:20am

Isolation and Characterization of Novel Bacillus Bacteriophages

Jacob Jaminet, Akhil Garg; Virginia Commonwealth University

Oral Session 9



Sat 9:20am-9:40am

CAPTURE AND DETECTION OF BACILLUS ANTHRACIS SPORES USING APTAMER BASED SURFACE ENHANCED RAMAN SPECTROSCOPY

Alyssa Pagel; University of Minnesota, Twin Cities

Sat 9:40am-10:00am

Deep UV Spectroscopy of The Mojave Desert

Veronica Margot Paez; East Los Angeles College

Patterson Office Tower 145

Political Science

Sat 9:00am-9:20am

The Supreme Court and the Politics of Language: Some Lessons from Public Debates about Same Sex Marriage and Gun Regulations

Connor Dye Dye, Penny Trieu; Randolph College

Sat 9:20am-9:40am

Gun Laws on Violent Crimes

Matthew Turner; Western Carolina University

Sat 9:40am-10:00am

In Defense of Marriage: How Young Liberals and Conservatives Debate About Proposition 8 and the Defense of Marriage Act on Facebook

Jamel Love, Dara Byrne; John Jay College of Criminal Justice

Patterson Office Tower 003

Diversity Studies

Sat 9:00am-9:20am

The Comedic Manifestations of Louis C.K. Hispanic Heritage

Arturo Desantiago; Texas Tech University

English

Sat 9:20am-9:40am

Sweet Little Lies: A look at the Bracero Program in U.S. Labor History and its Remnants

Laura Coyt; University of the Pacific

Sat 9:40am-10:00am

Insidious Absence and Loss in lê thi diem thúy's The Gangster We are all Looking For

John Steiner; University of the Pacific

Patterson Office Tower 005

Dance

Sat 9:00am-9:20am

How We Move: An Integration of Dance and Biological Science

Liza Bustle; University of Kentucky

Computer Science

Sat 9:20am-9:40am

Identifying Phases of Gait in RGB-D Videos

Sam Gelman; George Mason University

Health Sciences & Public Health

Sat 9:40am-10:00am

Assessment of Gait With Zero Drop Shoes While Walking

Richard Roberts; Utah Valley University

Patterson Office Tower 007

Political Science

Sat 9:00am-9:20am

Identifying how the Definition of Terrorism Justifies their Use of Extended Surveillance on the American People while Analyzing the Constitutionality of their Justification

Iman Abid; Rochester Institute of Technology

Sat 9:20am-9:40am

Strengthening the Hull: Improving Philippine Counterterrorism and Counterinsurgency

Kristina Sherman; Susquehanna University

Sat 9:40am-10:00am

Can the United States Avoid Terrorism by Changing Its Foreign Policies?: An Analysis of Political Terrorism Utilizing the Liberalism Theory

Brittainy Joyner; Howard University



Oral Session 9

Patterson Office Tower 009 **English**

Sat 9:00am-9:20am

Seeing New Englandly: Reading and Writing Place Right in My Own Backyard

Kirsten Ridlen; Bridgewater State University

Sat 9:20am-9:40am

The Personified Environment in Jean Rhys's Wide Sargasso Sea

Chelsea Bergmann; Winthrop University

Sat 9:40am-10:00am

Under the Greenwood Trees: The forests of medieval art and literature

Jennifer Wegmann-Gabb; Northern Illinois University

Singletary Center - President's Room

Dance

Sat 9:00am-9:20am

Contact Improvisation Applied to Independent Concert Dancing

Jessie DeSalvia; State University of New York, Brockport

Sat 9:20am-9:40am

The Ballerina Portrayed

Katherine Delorme; State University of New York, Brockport

Sat 9:40am-10:00am

The Height of Dance: Duncan Style

Marissa Subik; State University of New York, Brockport

White Hall Classroom Building 102

Psychology

Sat 9:00am-9:20am

LSD-Assisted Motivational Enhancement Therapy for Alcohol-dependent Individuals

Kelly Grzech; Virginia Commonwealth University

Sat 9:20am-9:40am

Neutralizing bFGF (FGF2) in the infralimbic medial prefrontal cortex facilitates extinction of cocaine self-administration.

Carolynn Rafa Todd; University of Wisconsin, Milwaukee

Sat 9:40am-10:00am

The effectiveness of buprenorphine in treating opioid addiction

Skylee Campbell; Utah Valley University

White Hall Classroom Building 110

Psychology

Sat 9:00am-9:20am

Students versus Counselors: A cross-cultural investigation of prominent stressors and outreach programming from the perspective of Scottish undergraduates and university counselors.

Meghan Pickett; North Central College

Sat 9:20am-9:40am

A Bibliometric Analysis of School Psychology International: What is the Prevalence of International Affairs in the Field of School Psychology?

Kristen Paulsen, Katie Westermayer; Minnesota State University, Mankato

Sat 9:40am-10:00am

A is for App: Surveying Teachers About the Use of iPads/ Tablets in the Classroom

Christine Scheper; Minnesota State University, Mankato

White Hall Classroom Building 114

International Studies

Sat 9:00am-9:20am

Rebranding: Chinese Fashion in East Asian Politics

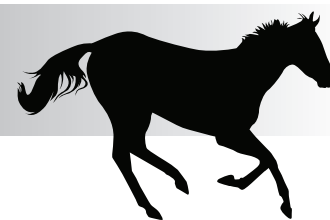
Loujing Pan; Lafayette College

Sat 9:20am-9:40am

Fabricating Conversation: How Business Interferes with Clothing Design

Channing Wan; Texas State University- San Marcos

Oral Session 9



Sat 9:40am-10:00am

Japan's Imaginary Obsession: How the Unreal Engendered a Subculture

Rebecca Weiss; North Central College

White Hall Classroom Building 122

Political Science

Sat 9:00am-9:20am

Regulation, Enforcement, or Negligence: A Look into the Possible Causes of Continued Abuse Within the Bangladesh Apparel Sweatshop Industry

Anne Marie Sketch; Hamline University

Sat 9:20am-9:40am

Loopholes and Lust: A Case Study of Sex Trafficking in Japan

Bethany Murray; Gustavus Adolphus College

Sat 9:40am-10:00am

The Impact of Colonial Legacy on African Women: A Comparative Analysis of British and French Colonial Institutions

Kaylee Gleason; Carthage College

White Hall Classroom Building 201

Education

Sat 9:00am-9:20am

Integrating Physical Activity and Movement into the Classroom

Alyssa Mitchel; Dominican University of California

Sat 9:20am-9:40am

The Use of Professional Noticing by Inservice Elementary Teachers

Patricia Cummane, Rebecca Roark, Brittany Flanery; University of Kentucky

Sat 9:40am-10:00am

A Qualitative Analysis of the Effects of Allowing Grade School Students to be Comfortable with Their First Language in School Settings

Katrina Gilbert; Howard University

White Hall Classroom Building 203 Health Sciences & Public Health

Sat 9:00am-9:20am

Racial Differences in Breast Cancer Risk Factors and Biomarkers among Healthy Premenopausal Women

Alexandra Hudson; University of Pittsburgh

Sat 9:20am-9:40am

Perceived cognitive function and reproductive hormones in women receiving adjuvant hormonal therapy for early-stage breast cancer

Ceara Conley; University of Pittsburgh School of Nursing

Sat 9:40am-10:00am

Perceived Risk for Breast Cancer and Preventative Behavior among Women in Rural Appalachia

Santana VanDyke; University of Virginia's College at Wise

White Hall Classroom Building 204 Biology

Sat 9:00am-9:20am

The Effect of Digestive Health on One's Physical and Mental Health

Elizabeth Darsan; Brooklyn College

Sat 9:20am-9:40am

Analysis of weight and abdominal fat gain in mice due to a diet rich in glucose, fructose, maltose, or high fructose syrup.

Nicole Morici; Wisconsin Lutheran College

Sat 9:40am-10:00am

Histological Studies in a Mouse Model Pave the Way for the Treatment of Abdominal Aortic Aneurysms (AAA) in Humans

Samuel Janes; University of Kentucky

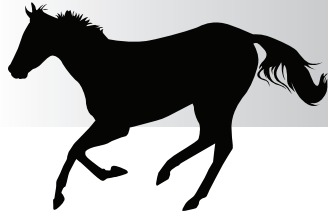
White Hall Classroom Building 205

Women and Gender Studies

Sat 9:00am-9:20am

"Bad Gyals", "One Minute Men" & Sexual Supremacy: Women-Rappers Both Appropriating & Resisting Sexism and Misogyny Within Hip Hop.

Mekhatansh McGuire; University of Kentucky



Oral Session 9

Sat 9:20am-9:40am

You Are What You Drink: A Feminist Critique of Milk and its Consequences for the Female

Tessa Cunningham; University of Wisconsin- River Falls

Sat 9:40am-10:00am

Emirati Women: Do they struggle between traditional beliefs and modernization?

Mariam Al Marzouqi; Zayed University

White Hall Classroom Building 207**Cell & Molecular Biology****Sat 9:00am-9:20am**

Identification of Retinal Degeneration Loci: Adhesion and Phagocytosis

Arash Ghaffari-Rafi; University of California, Los Angeles

Sat 9:20am-9:40am

Weaning and adaptation of SH-SY5Y cells to low-glucose media for manganese exposure studies

Hannah Smerker; Gannon University

Sat 9:40am-10:00am

Role of Forkhead transcription factors in endothelial-cardiac myocyte co-cultures

Hannah Hadaway; Winthrop University

White Hall Classroom Building 208**Music Research and/or Analysis****Sat 9:00am-9:20am**

Ancient Worship Wars: An Investigation of Conflict in Church Music History

Michael Wood; Cedarville University

English**Sat 9:20am-9:40am**

The Apostle Paul's Letter to the Romans: An Application of Critical Theory

Nick Covaleski; University of Wisconsin, La Crosse

Art History**Sat 9:40am-10:00am**

Justification by Faith: A Comparative Study of the Developing Concept of Grace in Select Paintings by Rembrandt of the Apostle Paul

Rachel Thomas; Hendrix College

White Hall Classroom Building 209**Cell & Molecular Biology****Sat 9:00am-9:20am**

Drug Screening for Heterochromatin Promoting Drugs in Drosophila Melanogaster

Alejandro Chavez; University of California, San Diego

Sat 9:20am-9:40am

The Effects of the Msr Gene in the Drosophila melanogaster When Exposed to an Elevated Thermal Induced Environment

Syed Raza; Florida Atlantic University

Sat 9:40am-10:00am

Discovering the Genetic Basis of Centrosome Reduction

Kasasha Arum; University of Toledo

White Hall Classroom Building 211**Marketing****Sat 9:00am-9:20am**

Marketing Opera to Millennials

Kelsey Gulliver; John Brown University

Sat 9:20am-9:40am

Marketing Strategies: Generational Differences

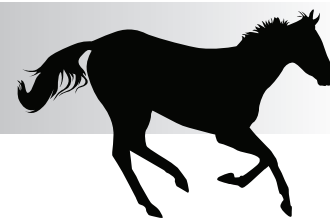
Olivia Hottle; University of Northern Iowa

Sat 9:40am-10:00am

Marketing to the New Reality: The Rise of Hispanics in United States and their presence in marketing

Cristina Cosme; Brooklyn College

Oral Session 9



White Hall Classroom Building 212

Education

Sat 9:00am-9:20am

A Yunnan Perspective: Gender and Rural Education Development in China
Caitlin Keliher; The George Washington University

Sat 9:20am-9:40am

Educational Challenges During and Post War In Uganda
Ashley Metelus; University of South Florida

Sat 9:40am-10:00am

Formative Assessment in the Republic of Ireland
Megan Cave; North Central College

White Hall Classroom Building 213

Ecology & Organismal Biology

Sat 9:00am-9:20am

Comparing two different fish sampling methods to evaluate fish communities of the Ottawa River, Lucas County, Ohio
James Moriarty; University of Toledo

Sat 9:20am-9:40am

Long-Term Responses of Brook Trout Populations to Catastrophic Flooding of Tropical Storm Lee
John Panas; Susquehanna University

Sat 9:40am-10:00am

Trophic Morphology of a Near Shore Marine Fish Family, Blenniidae.
James Weagley; University of Minnesota, Twin Cities

White Hall Classroom Building 214

English

Sat 9:00am-9:20am

Discordant Satanic Metaphors: Dante's Odd Comparisons of Satan in the Last Canto of the Inferno.
Lenora Popken; University of West Georgia

Sat 9:20am-9:40am

THE GENTLE POET: VIRGIL'S SADISTIC COUNSEL IN DANTE'S INFERNO
Andrew Barrow; University of West Georgia

Sat 9:40am-10:00am

The Tyranny of the Logos: Satan as Hero in Paradise Lost
Lee Borocz-Johnson; Elmhurst College

White Hall Classroom Building 215

Neuroscience

Sat 9:00am-9:20am

Effects of Depolarized Hyperpolarization-activated Cation Channels on the Secretions of Gonadotropin-releasing Hormone
Kelsey Cleland; Austin PEAY State University

Sat 9:20am-9:40am

Regulatory Mechanisms Underlying Stereotyped Axon Pruning in the Mammalian Visual System
Atrin Toussi; University of California, Davis

Sat 9:40am-10:00am

Intrauterine Growth Restriction Increases Tyrosine Hydroxylase Expression and Propensity for Addiction in Low Birth Weight Rats
Katelynn Ondek; Susquehanna University

White Hall Classroom Building 217

International Studies

Sat 9:00am-9:20am

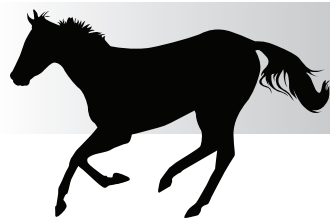
China and Russia: Sanctions as a Means of Evaluating Motive
David Kelly; Seton Hall University

Sat 9:20am-9:40am

Falsely Rebranding Democracy: Negative Public Opinion of the Hybridization of Democracy In Russia
Hannah Roberg; Hamline University, St. Paul

Sat 9:40am-10:00am

Not-So-Strange Bedfellows: Explaining Russia's Involvement in the Syrian Crisis
Maria Smerkovich; Wheaton College - Massachusetts



Oral Session 9

White Hall Classroom Building 219

Biology

Sat 9:00am-9:20am

Population Genetic Structure of the Genus Cladophora in Western Lake Michigan and its Tributaries

Sara Schaal; University of Wisconsin, Milwaukee

Sat 9:20am-9:40am

A Comparison of Methods Measuring Nitrogen Fixation Across a Stream Temperature Gradient

Jackelyn Goldschmidt; St. Catherine University, St. Paul

Sat 9:40am-10:00am

Identification and molecular characterization of a novel Chlamydomonas reinhardtii chlorophyll deficient non-photosynthetic mutant

Katherine Smith; University of West Georgia

White Hall Classroom Building 231

Sociology

Sat 9:00am-9:20am

How Sexy are you? Understanding the Role Human Sexuality Plays in American Society: A Triangulative Analysis Using the Cultural Relativity Theory

Ron'Neisha Horton; Howard University

Sat 9:20am-9:40am

Hot or Not? A Triangulate Study on Self-Esteem, Attractiveness and Its Importance in Romantic Relationships

Linh Nguyen; University of Wisconsin, La Crosse

Sat 9:40am-10:00am

Exotic Dancing in 2013: Raunch Culture, the Economy, and Technology

Hannah Mabry; Morehead State University

White Hall Classroom Building 233

History

Sat 9:00am-9:20am

The Concentration of Force: Technological Innovations of Dreadnoughts in the Battle of Jutland

Elizabeth Pratt; Western Carolina University

Sat 9:20am-9:40am

Carrying On: Wartime Experiences of One Nebraska Family
Megan Vebug; University of Nebraska, Kearney

Sat 9:40am-10:00am

Candid Ken and the Cuban Crisis: Senator Kenneth Keating, the Red Menace, and the Missile Crisis of 1962

Daniel Gorman Jr.; University of Rochester

White Hall Classroom Building 234

History

Sat 9:00am-9:20am

Struggle Over Peace: The Political Battles of Woodrow Wilson
Sean Lovellette; University of Evansville

Sat 9:20am-9:40am

The Role of Organization and Ideology in the Goldwater Presidential Campaign

Nicholas D'Angelo; Union College

Sat 9:40am-10:00am

The Election of 1828: A Changing of the U.S. Political Landscape

Victoria Patterson; Salisbury University

White Hall Classroom Building 235

Chemistry

Sat 9:00am-9:20am

Modification of Solid-Supports with Phosphonium Polyelectrolytes: Uptake and Removal of Species from Solution

Rachel Perry; Clemson University

Sat 9:20am-9:40am

Phosphonium Polyelectrolytes: Synthesis, Photophysics, Electrochemistry and Film Morphology

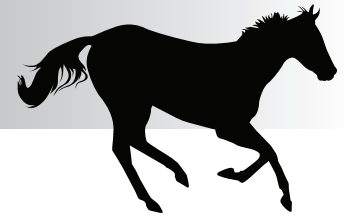
Catherine Conrad; Clemson University

Sat 9:40am-10:00am

The Joule-Thomson Coefficient as a Predictor for Column Efficiency in Supercritical Fluid Chromatography

Stephanie Greengo; University of Minnesota, Duluth

Oral Session 9



White Hall Classroom Building 237

Engineering/Engineering Technology

Sat 9:00am-9:20am

Design of a Motorized Computer Monitor Arm for Client with Quadriplegia

Grace Waters; University of Memphis

Sat 9:20am-9:40am

Prostheses: Through the Lens of a Unifying Theory of Innovation

Matthew Abreu; United States Military Academy

Sat 9:40am-10:00am

Muscle Oxygenation During Kneeling With Two Different Ankle Postures

Alexa Hernandez Principe; University of Wisconsin, Milwaukee

White Hall Classroom Building 238

Sociology

Sat 9:00am-9:20am

Similarity Is Not the Same as Sameness: A Qualitative Analysis of Language Usage of Jamaican Immigrants in the United States

Bianca Sullivan; Howard University

Sat 9:20am-9:40am

Understanding the Difficulties and Risks of Undocumented African Immigrants and Their Children: A Triangulative Analysis Utilizing Functional Theory

Helen Anyanwu; Howard University

Sat 9:40am-10:00am

The Impact of Globalization on Cultural Alienation among Qatar University Students

Sareh Pejdam; Qatar University

White Hall Classroom Building 239

African American Studies

Sat 9:00am-9:20am

Finding Freedom at Miami University: an Oral History Project

Kai Parker, Rhonda Baldwin; Miami University

Sat 9:20am-9:40am

Home to Harlem: Meeting Place for The Displaced

Kevin Morris II; University of Arkansas

Sat 9:40am-10:00am

The Fundamental Theorem of Miller: An Examination of Kelly Miller's Deanship at Howard University

Lennex Cowan; Howard University

White Hall Classroom Building 240

Interdisciplinary Studies

Sat 9:00am-9:20am

Better Off Dead! A New Musical Project

Joshua Reinhardt, Shelley Washington; Truman State University

Sat 9:20am-9:40am

Carmen: French Ideas of "Spanishness" in Romantic Literature and Music

Austin Norrid; University of Kentucky

English

Sat 9:40am-10:00am

A Hopeless Mind: An Analysis of Endgame

Lucia Smith; Ithaca College

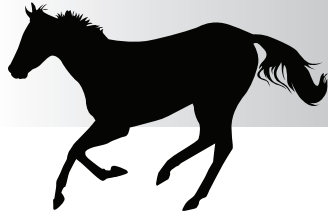
White Hall Classroom Building 241

Computer Science

Sat 9:00am-9:20am

Image Recognition and Classification Using Multi-Histogram Approach

Jorge Chang; Morehead State University



Oral Session 9

Sat 9:20am-9:40am

White Line Detection in an Autonomus Vehicle
Joseph Salmento, William Koch; United States Military Academy

Sat 9:40am-10:00am

Collision Sensing with Sphero's Accelerometer
Melissa Mulcahy, Daniel Tobin; Central Connecticut State University

White Hall Classroom Building 242

Environmental Studies & Sciences

Sat 9:00am-9:20am

Remember the Ocelot: Effects of an international border fence on conservation efforts.
Kathryn Benavidez; St. Edwards University

Sat 9:20am-9:40am

Sustaining the Land of Fire and Ice
Chandler Green; University of South Carolina

Ecology & Organismal Biology

Sat 9:40am-10:00am

Accounting for Variability in Paleoecological Mixing Models
Kelsey Grinde, Nora Peterson, Nora Forbes; Saint Olaf College

White Hall Classroom Building 243

Philosophy & Ethics

Sat 9:00am-9:20am

The Conception of the Individual: What Hegelian Marxism Leaves Out
Elliny Hiebert; Eastern Washington University

Sat 9:20am-9:40am

Schmitt, Hegel and the Roots of Conservative Political Thought
Corey Zielinski; Xavier University

Sat 9:40am-10:00am

Man is Political: Rawls, Hegel, and the Notion of the Self
Taylor Fulkerson; Xavier University

White Hall Classroom Building 244

Engineering/Engineering Technology

Sat 9:00am-9:20am

Pan Species Chemical Agent Detector through Optomechanics of Surface Acoustic Waves
Andrew Oswald; United States Military Academy

Sat 9:20am-9:40am

Stability of a Multi-Stage Amplifier Driving Complex Loads - A Topological Study
Max Merget, Jingyuan Liang; Milwaukee School of Engineering

Sat 9:40am-10:00am

Mathematical Modeling an Multicriteria Optimization in Radiotherapy
Christian Svetnicka; University of Michigan

White Hall Classroom Building 245

Education

Sat 9:00am-9:20am

The Effect of Community Service on Western Carolina University
Peyton Flinchum; Western Carolina University

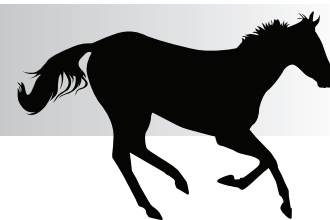
Sat 9:20am-9:40am

Utilizing a RtI Service Learning Program to Train Pre-Service Teachers
Kayla Dolan; High Point University

Sat 9:40am-10:00am

Developing an Instrument to Explore Pre-service Elementary Teachers' Understanding of the Role of Trees in an Ecosystem
Vera Soules Mabson; University of Kentucky

Oral Session 9



White Hall Classroom Building 246

Physics

Sat 9:00am-9:20am

Analysis of the Lyapunov Exponent and Poincare Plots for a Nonlinear Field Model of a Blazar Jet with Optical Microvariability

Andrew Brown, Mitchell Harmon, Benjamin Guthrie, Cameron Hubbard; Western Kentucky University

Sat 9:20am-9:40am

STUDYING THE REACTION CHAIN OF $^{17}\text{O}(\text{p},\gamma)^{18}\text{F}(\text{p},\gamma)$ IN CLASSICAL NOVAE VIA ONE-PROTON BREAKUP REACTIONS

Bryan Isherwood; James Madison University

Sat 9:40am-10:00am

"Increase of Ionizing Radiation at the Pforzheimer Maximum over the Southern Appalachians"

Michele Coker; Western Carolina University

White Hall Classroom Building 247

English

Sat 9:00am-9:20am

Pride and Prejudice Adaptations Contrast Fine Lines between Byronic Hero and the Contemptible

Jessica Madron; University of Nebraska, Kearney

Sat 9:20am-9:40am

Jane Austen and Nicholas Sparks: The Head and the Heart

Victoria Cockrell; Anderson College

Sat 9:40am-10:00am

The Woodhouse's Use of an Apothecary: The Ambiguous Mr. Perry

Haley Russell; Murray State University

White Hall Classroom Building 303

Computer Science

Sat 9:00am-9:20am

Leaf Identification on Android Devices

Clint Guin; Appalachian State University

Sat 9:40am-10:00am

An Extensible and Adaptable Software Framework for Robotic Control

Gabriel LePage; State University of New York, Brockport

White Hall Classroom Building 306

Health Sciences & Public Health

Sat 9:00am-9:20am

The Role of AGTR2 in Cystic Fibrosis Severity

Kayla Herbell; Capital University

Sat 9:20am-9:40am

Morphological & Genetic Characterization of Triatomine: Vectors of Chagas Disease in Texas

Heather Frady; Eastern Washington University

Sat 9:40am-10:00am

Longitudinal Evaluation of Iron Accumulation in Deep Gray Matter of Patients with Multiple Sclerosis and its Relationship to White Matter Pathology

Alexandra Casillas; George Mason University

White Hall Classroom Building 316

Art History

Sat 9:00am-9:20am

The New Victoria Theatre: A Case Study in American and German Influence on British Cinema Design

Christopher June; Seattle University

Sat 9:20am-9:40am

The Reign of Deitch

Jenna Linder; Eastern Illinois University

Sat 9:40am-10:00am

From Technique to Subject Matter: A Generation of Difference in the American Avant-Garde

Anthony Amettis; Northern Illinois University



Oral Session 9

White Hall Classroom Building 331

Ecology & Organismal Biology

Sat 9:00am-9:20am

HABITAT CHARACTERIZATION OF YEAR-ONE AND YEAR-TWO RED DRUM AND SPOTTED SEATROUT

Caleb Fligor; University of Kentucky

History

Sat 9:20am-9:40am

Foundations for the Sky: The North American Scientists behind the Migratory Bird Treaty of 1916

Amelia Brackett; New York University

Economics

Sat 9:40am-10:00am

Predictive Validity of Stated Preference Data: Application to Demand for Rocky Knob Mountain Bike Park Visits

Kevin Atkinson; Appalachian State University

White Hall Classroom Building 333

Mathematics

Sat 9:00am-9:20am

Properties of Peak Polynomials

Matthew Fahrback; University of Kentucky

Sat 9:20am-9:40am

The Multiplicative Structure of the Group of Units of Quotient Rings

Erika Gerhold; Salisbury University

Sat 9:40am-10:00am

Schur Positivity in Difference of Products of Schur Functions

Nadine Jansen; North Carolina Agricultural and Technical State University

White Hall Classroom Building 334

English

Sat 9:00am-9:20am

A Vision of Unity in Simon Pokagon's novel Queen of the Woods

April Miller; Wheaton College - Illinois

Sat 9:20am-9:40am

Inherent Incarceration: Modernizing Richard Wright's Native Son in the Contemporary Colorblind America

Logan Brooks; University of Tennessee - Knoxville

Sat 9:40am-10:00am

America in Dreamland

Jon Fish, Colyn True, Olivia Boughey; University of Kentucky

White Hall Classroom Building 335

Communications

Sat 9:00am-9:20am

HOOK-UP CULTURE: A QUALITATIVE ANALYSIS OF SEXUAL SCRIPTS WITHIN GENDER AND RELIGIOUS IDENTITIES

Sarah Dursteler; Weber State University

Sat 9:20am-9:40am

To Have and To Hold: Rhetorical Constructions of Greek Orthodox Christian Notions of Sex

Ryan Bince; Ithaca College

Sat 9:40am-10:00am

"I'm Gay, and I'm Going to Play": A Qualitative Study on How Athletes Choose To Disclose Their Homosexuality to Their Teammates

Emily Rauscher; University of Wisconsin, La Crosse

White Hall Classroom Building 336

Biology

Sat 9:00am-9:20am

*Seasonal essential hypertension in *Chlorocebus aethiops sabaeus*, the vervet monkey*

Alexandra Guest; Skidmore College

Sat 9:20am-9:40am

Effects of stress on urocortins expression in the rat stomach

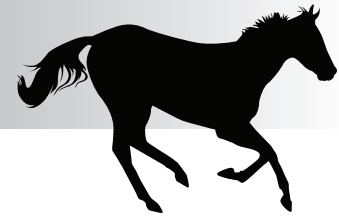
Chee Lor; University of Wisconsin, La Crosse

Sat 9:40am-10:00am

Hibiscus sabdariffa, Therapeutic uses for treating Pulmonary Hypertension.

Johnny Glenn; Tuskegee University

Oral Session 9



White Hall Classroom Building 337

Computer Science

Sat 9:00am-9:20am

Over-privileged Apps: An Easy Way in for Mobile Malware?
Sophie Dankel; Seattle University

Sat 9:20am-9:40am

DynaMa: DNS Based Dynamic Malware Analysis
Sean D'Antonio; United States Military Academy

Sat 9:40am-10:00am

Secure Exchange of Intrusion Detection Data among Coordinating Groups
Ian Ziarko; Lewis University

White Hall Classroom Building 338

English

Sat 9:00am-9:20am

"THE HOMELY NURSE DOTH ALL SHE CAN": GENDER AND PERSONIFICATION IN ODE: INTIMATIONS OF IMMORTALITY FROM RECOLLECTIONS OF EARLY CHILDHOOD
Rebekkah McKalsen; Wells College

Sat 9:20am-9:40am

Dames in Shining Armor?: Examining Gender and War in the 17th Century French Fairytale
Cate Anderson; Luther College

Sat 9:40am-10:00am

English and the Imposition of the Gender, Sex, and Sexuality Binary
Laura Burgess; Winthrop University

White Hall Classroom Building 339

Philosophy & Ethics

Sat 9:00am-9:20am

Magnanimity, Pride, and Humility
Marissa Willis; John Brown University

Sat 9:20am-9:40am

Challenging the Need to Define Mutuality through Sameness in Romantic Love: A Model Based on Differences
Shayna Yeates; Juniata College

Sat 9:40am-10:00am

The Mean of Modernity
Russell Webster II; Eastern Washington University

White Hall Classroom Building 340

Art History

Sat 9:00am-9:20am

CARRIE MAE WEEMS: THE AFRICAN AMERICAN FEMALE NUDE IS "NOT MANET'S TYPE"
Xiaoshan Bao; University of the Pacific

Sat 9:20am-9:40am

The Science of Art: Manet's Olympia Scandal of 1865
Sarah Huddleston; Hamline University

Sat 9:40am-10:00am

The Great Wonder of Nature
Brittney Woodrum; University of Kentucky

White Hall Classroom Building 341

International Studies

Sat 9:00am-9:20am

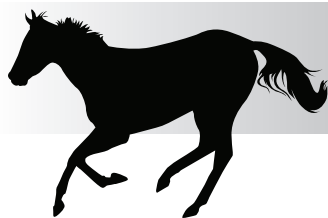
Negotiating in the Shadow of the Law: Cultural Property Restitution in the European Union
Allison Blauvelt; American University

Sat 9:20am-9:40am

Regionalism, Globalization, and the European Union: Germany's Newest Anti-Euro Party as a Challenge to the European Experiment
Kristin Decker; Hamline University

Sat 9:40am-10:00am

French Youth's Perception of May 1968
Genevieve Beck; Seattle University



Oral Session 9

White Hall Classroom Building 342

Economics

Sat 9:00am-9:20am

The Effect of Charter School Competition on Traditional Public Schools in Michigan

Anthony Galston; University of Wisconsin, Whitewater

Sat 9:20am-9:40am

Resources and Educational Outcomes: A Look at Kansas and Missouri Public Schools

Josh Russell; University of Kansas School

Sat 9:40am-10:00am

No Child Left Behind—Good or Bad? The Effect of No Child Left Behind on the Percentage of Students Enrolled in Individualized Education Programs

Connor Cosenza; Mercer University

White Hall Classroom Building 343

Film Studies

Sat 9:00am-9:20am

Harry Potter and the Theory of Film

Luiz Rosa Lippel; Western Carolina University

Sat 9:20am-9:40am

The (Cinematic) Dark Knight: The Development of Bruce Wayne, Batman and the Characters Around Them

Brian Fitzgerald; State University of New York, Brockport

Sat 9:40am-10:00am

The Fading West: A Look at the Western Frontier

Chris Warner; Brooklyn College

White Hall Classroom Building 345

Biochemistry

Sat 9:00am-9:20am

Difference FTIR Studies on the Effects of Buffers on Nucleotide Binding to RecA

Joshua Temple; James Madison University

Sat 9:20am-9:40am

HscB, the J-protein in Fe-S cluster biogenesis, uses two distinctive binding sites to interact with its Hsp70-type chaperone protein, HscA

Thomas Alderson, Jin Kim; University of Wisconsin, Madison

Sat 9:40am-10:00am

Interactions among carbohydrates and proteins that could determine performance of terrestrial slug glue

Sarah Rabice; Ithaca College

White Hall Classroom Building 346

Anthropology & Archeology

Sat 9:00am-9:20am

The Politics of Youth Mobilization and Intervention in the Coloured Townships of Cape Town

Jessica Nielsen; University of Rochester

Sat 9:20am-9:40am

Youth in Revolt: Political Militancy and Militarized Culture in Argentina, 1970-Present

Bronwyn Scott-McCharen; Hendrix College

Sat 9:40am-10:00am

'Bharat Mata Ki Jai': 'Homeland Politics', the Hindu Lobby, and Shifting Trends in the Political Assertion of the Hindu American Community

Priyanka Srinivasa; American University

White Hall Classroom Building 347

Chemistry

Sat 9:00am-9:20am

Spectral Fluorescence Characteristics of Commercially Available Hydrocarbon Sensors

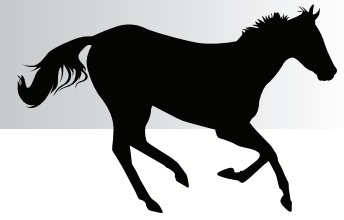
Stephanie Jocis; United States Coast Guard Academy

Sat 9:20am-9:40am

A photocatalytic reactor for use with Raman spectroscopy to analyze photocatalytic degradation of iodinated X-ray contrast media

Isaac Kresse; Western Kentucky University

Oral Session 9



Notes

Sat 9:40am-10:00am

*Illustrated Everyman: Sherlock Holmes and Professional Class
Identity in the Strand Magazine*
Dana Sly; Grinnell College

Sat 9:40am-10:00am

*Aluminum-diimine complexes: Redox-active aluminum
systems*
Bren Cole; Albright College

White Hall Classroom Building 349

History

Sat 9:00am-9:20am

Lifting the Veil
Kyle O'Brien; Keene State College

Sat 9:20am-9:40am

*"With All Winds Straight Ahead": The Influence of the World
Wars on the Understanding of Friedrich Nietzsche*
Grayson Bodenheimer; Appalachian State University



At Toyota, building great cars is just part of what we do. We're also helping to make a difference in the lives of young people throughout Kentucky. Working together with schools and non-profit organizations across the state, we're giving more students a chance to go places. It's just one more way we're driving Kentucky's future.

DRIVING *Education*

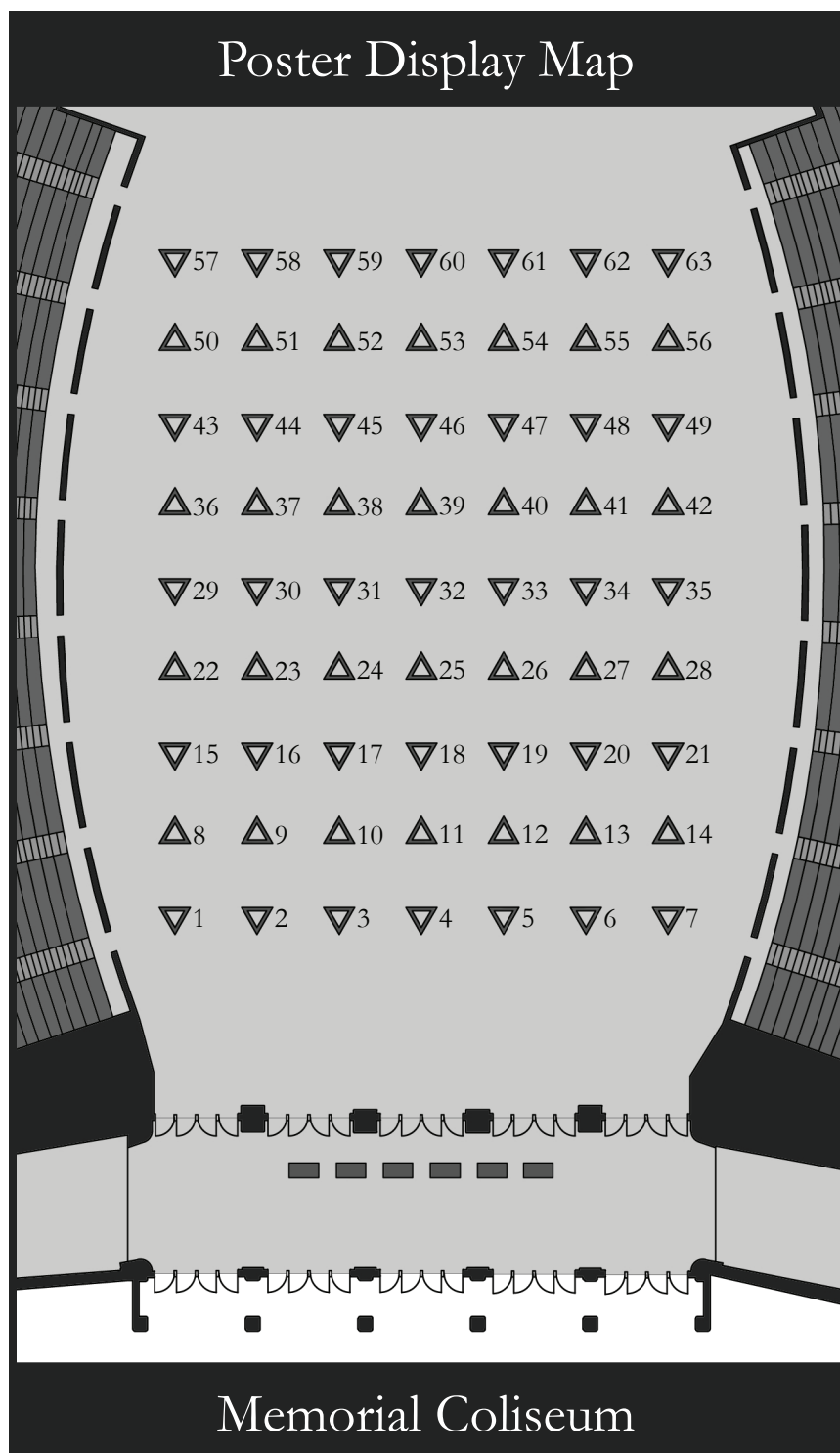
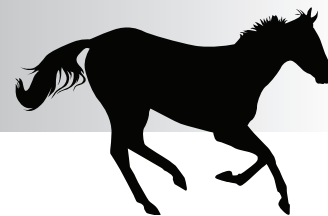
LET'S GO PLACES

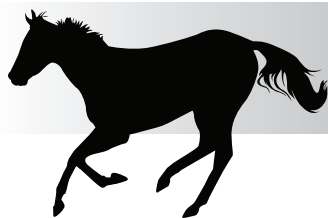
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Poster Sessions





Poster Session 1

SESSION 1

African American Studies

Kiosk: 3C

Images of African American Women in Today's Society and its Impact on the Black Community

Jessica Laguerre-Joseph; California University of Pennsylvania

Anthropology & Archeology

Kiosk: 11C

An Ethnography of Cell Phone Repair: Uniting a Global Network of People, Places, and Things

Grace Cooper; Eastern Washington University

Kiosk: 45C

From the Creek Bed to the Laboratory: An Experimental Analysis of Temper in Pigeon and Connestee Series Ceramics

Paige Tester; Western Carolina University

Kiosk: 46A

*Sea Otter Resource Depression? Analysis of *Enhydra lutris* Remains from Yerba Buena Shellmound, San Francisco, California*

Mary Barnewitz; University of Utah

Architecture & Interior Design

Kiosk: 12A

An Educational Facility for Autistic Children that uses Interior Design to stimulate and enhance the learning environment.

Abby Hyland; University of Kentucky

Art History

Kiosk: 46B

The Limitations of Modern Patronage Theory as Shown in the Case of Eli Broad, a Los Angeles Arts Patron

Jessica Evans; Virginia Commonwealth University

Kiosk: 47A

Where the Queen Calls Home: The Ownership and Housing of the Bust of Nefertiti

Autumn Pittman; Radford University

Arts Education

Kiosk: 12B

The Effect of Age, Prior Knowledge and Experience on the Ability to Demonstrate Connections Between Musical Elements and Pictorial Representations

Caitlin Skrbec; North Central College

Biochemistry

Kiosk: 12C

Aggregation Studies of A-549 Cancer Cells

Emma Hannigan; Montana State University, Bozeman

Kiosk: 13A

Catalytic and X-ray Crystallographic Study of Wild Type Azurin and its Mutants

Emmalee Toldo; University of Minnesota, Duluth

Kiosk: 46C

Determination of Antimicrobial Activity of Europium Metal Complexes

Kristy Rogers; Western Carolina University

Kiosk: 47B

Inhibition Kinetics of Carboxypeptidase B

Nicholas Decker; University of Illinois at Springfield

Kiosk: 47C

Molecular engineering of aquaporin to improve stability

Travis Combs; University of Kentucky

Kiosk: 48A

TCA cycle substrate selection and doxorubicin resistance in breast cancer cells

Joshua Bruhn; University of Minnesota, Duluth

Kiosk: 48B

The Signaling Pathway Mediated by GPR56 and TG2 in Metastatic Melanoma

Brigitta Gehl, Siddhi Shah; University of Rochester

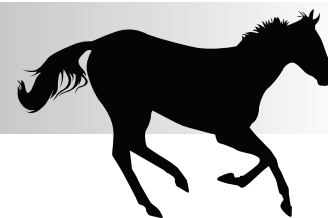
Biological Engineering

Kiosk: 13B

Development of in vitro Assay to Study Tumor Cell Migration

Benjamin Wissel; Ohio State University

Poster Session 1

**Kiosk: 48C**

Nondestructive screening for meningitis by means of Brillouin spectroscopy
Zachary Steelman; Texas A&M University, College Station

Kiosk: 49A

Understanding Gold Nanoparticles Peptide Triazole mediated HIV-1 virolysis
Aakansha Nangarlia; Drexel University

Biology**Kiosk: 13C**

A Bioinformatics Approach to Investigating Microbial Community Structure
Erika English, Eliza Chevalier, Eliza Doncaster, Hannah Sargent; Johnson State College

Kiosk: 14A

Agoutis On the Alert!
Rhonda Carson; University of Central Oklahoma

Kiosk: 14B

Analysis of the DNA Polymerase gene in the D. longicaudata Entomopoxvirus suggest classification in Gammaentomopoxvirus
Benjamin Talbot; Eastern Washington University

Kiosk: 14C

Assessing the Role of TNF α in Cryptococcus neoformans Infection in the Mouse Model
Jacob Carolan; University of Michigan

Kiosk: 15A

Biogeography and microhabitat of the green salamander (Aneides aeneus) in the Valley and Ridge physiographic province
john Wayland, Melissa Blackburn; University of Virginia's College at Wise

Kiosk: 49B

Characterizing of soybean genes using an endogenous transposable element
Callie Jean Johnson, Christopher Navarro; University of Wisconsin, Stevens Point

Kiosk: 49C

Comparison of Odonata Populations in Natural and Constructed Emergent Wetlands in the Bluegrass Region of Kentucky
Brittany Brookshire; Eastern Kentucky University

Kiosk: 50A

Effect of Melanocortin Agonist MTII and BMS470539 on Body Temperature in Wild Type and Mc1r Deficient Mice
Anna Panyutin; National Institutes of Health

Kiosk: 50B

Endocrine and Developmental Abnormalities in Developing Larvae of the Ebony Strain of Drosophila Melanogaster
Ross Micciche, Eui Sung Kim; University of Kentucky

Kiosk: 50C

Examining the genome of Sigma Rhabdovirus infecting Drosophila Melanogaster in Eastern Washington
Meghan Woods; Eastern Washington University

Kiosk: 51A

How to Clean Up? An Observation of Immune Response during Flight Muscle Histolysis
Bezawit Abebe, Acchia Albury; Wingate University

Kiosk: 51B

Inhibitory effects of 0.6mg Colchicine on the presence of activated neutrophils
Brian Robley, Omolayo Ogunnowo, Nanis Elkaramany, Timothy Akhalu; Minnesota State University, Mankato

Kiosk: 51C

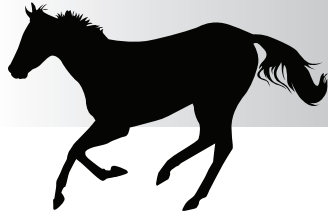
Investigating the Role of PKCs in Formation of a Parasitophorous Vacuole by Coxiella burnetii in THP-1 Macrophages
Lucas DeYoung; John Brown University

Kiosk: 52A

Mechanisms Responsible for the Differentiation of Glial Cells in Drosophila Melanogaster
Kevin Craig; Susquehanna University

Kiosk: 52B

Morphology of Ometepe Island Boa constrictor imperator
Margaret Milano; SUNY Geneseo



Poster Session 1

Kiosk: 52C

*Population Density of Feral Hogs (*Sus scrofa*) in Hill County, Texas*

Tracina Maiden; McLennan Community College

Kiosk: 53A

Recognizing predators before you are born: The effects of prenatal and perinatal predator cue exposure on wolf spiderling antipredator responses

Nathan Boyd; Susquehanna University

Kiosk: 53B

Scarless Wound Healing: Increased Collagen Deposition Along Wound Edge In Human Fibroblasts vs. hESCs

Tam Nguyen, Eileen Ing, Roxanne Bartolome; Dominican University of California

Kiosk: 53C

Soil Organic Carbon and Total Nitrogen Storage in Two Restored Tallgrass Prairies at Emiquon in Illinois: Potential for C Sequestration

Sophia Pham; University of Illinois at Springfield

Kiosk: 54A

Symbiotic endophytes could improve crop production

Katelyn Knight; University of West Alabama

Kiosk: 54B

The effect of uPA, PAI-1 and APC on PC3 invasion and HUVEC microtubule growth

Grace Jones; Winthrop University

Kiosk: 54C

*The genetics of speciation between *Drosophila mauritiana* and its sister species*

Benjamin Goulet; University of Rochester

Kiosk: 55A

The Role of Complement Proteins in Cancer

Ruchi Shah; Stony Brook University

Kiosk: 55B

The role of the GPI anchor on transmissible spongiform encephalopathy transmissibility

Matt Graham; Virginia Commonwealth University

Kiosk: 55C

Use of Refinery Waste Glycerol as a Carbon Source in Algae Growth Medium

Jordan Rode, Adam Santiago, Josef Baylis; Dominican University of California

Kiosk: 66C

Changes in Gene Expression in the Rat Testis following Inflammation

Genevieve Fasano; Monmouth University

Business/Finance/Accounting**Kiosk: 15B**

Do Paying Loads and Expenses Affect the Performance of Mutual Funds?

Brenda Gary; University of Wisconsin, Whitewater

Cell & Molecular Biology**Kiosk: 15C**

*Annotation of a DNA contig from the Dot chromosome of *Drosophila biarmipes**

McKenzye DeHart-McCoyle; Western Carolina University

Kiosk: 16A

DEVELOPMENT OF A COCHLEAR SPECIFIC CRE RECOMBINASE EXPRESSION VECTOR FOR TARGETED GENE INACTIVATION

Abrar Zawed; Minnesota State University, Mankato

Kiosk: 16B

*Evaluation of Double-stranded (ds) RNA from Select Isolates of *Rhizoctonia solani**

Lauren Comunale, Lauren Comunale, Hannah Cornman, Mary Chey, Shan Min Chin, Chin Hong Siew; Indiana University of Pennsylvania

Kiosk: 16C

Green Monkey kidney cell lines - Vero vs. Vero-76 - for Virus Titers

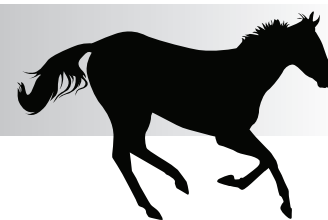
Makda Gebre; Utah State University

Kiosk: 56A

Lifelong Satellite Cell Depletion does Not Change Muscle Phenotype

Marin Lehman; University of Kentucky

Poster Session 1

**Kiosk: 56B**

*Morphological Characterization of Male Reproductive Aging in *Drosophila melanogaster**

Chelsea Weaver, Andrea Gonzalez, Justin-Joseph Simpao, Dalton Hampton, Michelle Giedt; University of Kentucky

Kiosk: 56C

Recruitment of Beta-Arrestin2 to Primary Cilia Upon Receptor Activation

Elizabeth Bley; Ohio State University

Kiosk: 57A

The Effect of Ultraviolet Radiation on Alpha-Melanocyte Stimulating Hormone Production in Keratinocytes

Mary Boulanger; University of Kentucky

Kiosk: 57B

The role of residue K752 in β 1 integrin homodimerization

Kaitlyn Reasoner; Berea College

Kiosk: 57C

Zinc transporter gene expression profiling in ovarian cancer cell lines

Conor McCammon, Amanda Gaytan, Hannah Agren, Lauren Alpen, Lisa Geronimo, Stacy Ditta, Isabel Rangel, Brianna Fennell, Victoria Santos; Dominican University of California

Chemical Engineering**Kiosk: 17A**

Development of a Novel Zebra Finch-Based Bacterial Biosensor for Endocrine Disruptors

Angela Chen; Ohio State University

Chemistry**Kiosk: 17C**

Animal Fat Waste: A New Source for Biodiesel

Mai Do; Dominican University of California

Kiosk: 18A

Catalytic Oxidation of Primary Alcohols by Transition-Metal-TRIPHOX Complexes

Edward Bedell, Vincent Shallal; Xavier University

Kiosk: 18B

Determining Host-Guest Interactions of Common Environmental Pollutants via Fluorescence Spectroscopy

Grace Gast; Luther College

Kiosk: 18C

Education and Chemistry

Breche' Wells; Spelman College

Kiosk: 58A

Identification of a halide-sensitive azo dye for aqueous anion indication

Morgan Volker; Ohio State University

Kiosk: 58B

Interactions of Dialkylcarboxy Complexes with Divalent Metal Ions Potentially form Liquid Crystalline Conducting Materials

Hallie Crosby; Sewanee

Kiosk: 58C

Ligand-Centered Absorptions as a Means of Enhancing the Visible Absorption Spectra of Ruthenium(II) Polypyridyl Complexes Used in Dye-Sensitized Solar Cells.

Savannah Kapper; Eastern Illinois University

Kiosk: 59A

Novel SPE Materials With Highly Ordered Hybrid Nanostructured Architectures for Lithium Rechargeable Batteries

Charles Liggett; Saint Olaf College

Kiosk: 59B

Preparation of a molecularly imprinted polymer for the selective retention of the insecticide fenvalerate

Alexander Rhodes; Susquehanna University

Kiosk: 59C

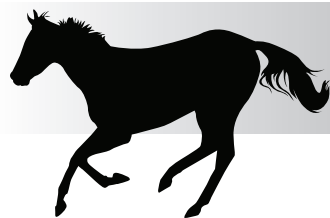
Quorum Sensing Molecules for Unicellular Organisms: Spectroscopic and Computational Study of Conformational Behavior

Daniel Tollefson; Minnesota State University, Mankato

Kiosk: 60A

Structure Determination of $H_2C=CHF?H_2C=CF_2$ by Fourier-Transform Microwave Spectroscopy

Rachel Dorris; Eastern Illinois University



Poster Session 1

Kiosk: 60B

Synthesis and Characterization of Nanoporous Silver Foams
Dana Hess; California University of Pennsylvania

Kiosk: 60C

Synthesis of Metal Organic Frameworks For Peptide Adsorption Studies
Maryanna Kroska, Magen Nivison; University of Minnesota-Morris

Kiosk: 61A

Synthesizing Substituted Borrerines for Heterodimerization
Muhammed Ashar Afaq; University of Houston

Kiosk: 61B

The use of natural orbitals in predicting molecular properties
Evan Jahrman; Gonzaga University

Kiosk: 61C

Visualization of Internalized Viral Nanoparticles (VNPs) for Early Cancer Detection
Heidi Fenske, Darien Jefferson; Carthage College

Communications**Kiosk: 19A**

A Cross-Cultural Examination of Government Environmental Agencies' Websites in Norway, China, Costa Rica and the United States
Jill Capotosto; Elon University

Kiosk: 19B

Factors Effecting Graduation Rates: Students Perspective
Brooke Brunner, Kevin Klipp, Lauren Fitzgerald, Mark Marusich; University of Wisconsin, Whitewater

Kiosk: 62A

Vaccinating Your Child: A Necessary Measure
Samantha Shirley; University of Kentucky

Computer Science**Kiosk: 1A**

Creating a Usable Interface for a Markov Decision Process Policy Explainer
Jordan Jorgensen; University of Kentucky

Kiosk: 1C

Creating Software Defined Network Topologies with Mininet
Magdalene McArthur; Howard University

Kiosk: 19C

Designing Nanostructures with DNA Sequences
Connor Uhlman, Tony Clark, Jamie Ethington; Simpson College

Kiosk: 62B

Preemptive Rumor Detection on Twitter Based on Credibility and Gullibility Dual
Arathi Mani; Ohio State University

Kiosk: 62C

Using Machine Learning Techniques to Effectively Handle Collision in A Wheelchair Simulation System
Zhibin Zhang, wenxi zeng; University of Central Oklahoma

Criminology**Kiosk: 20A**

Decreasing Bias in Forensic Fingerprint Analysis: A Review of the Methodology
Amy Thurston; Virginia Commonwealth University

Dance**Kiosk: 20B**

Vaudeville's Influence on African American Performers
Katherine Poe; University of Kentucky

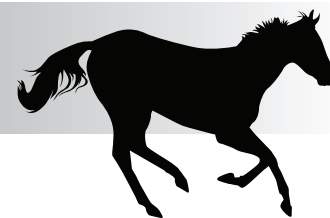
Ecology & Organismal Biology**Kiosk: 20C**

An Assessment of the Susquehanna River Upper Main Stem by Interpreting Different Methods of Sampling Benthic Macroinvertebrate Communities Over a Five Year Period (2009-2013).
Andrew Anthony; Susquehanna University

Kiosk: 21A

*Effects of Northern pike (*Esox lucius*) on Yellow Perch (*Perca flavescens*) and Sunfish (*Lepomis spp.*) Population*
Chao Xiong; University of Wisconsin- River Falls

Poster Session 1

**Kiosk: 63A**

The Effect of Climate Change on Migration Timing of American Migratory Birds

Sean Reynolds; Stevenson University

Economics**Kiosk: 21B**

Analyzing the Potential for Neighborhood Revitalization in Economically Distressed Areas

Mussie Tizazu; Franklin and Marshall College

Kiosk: 21C

Exploring Regulatory Strategies to Facilitate the Growth of Peer-to-Peer Lending Industry in China

Guanxiong Zhou; Lafayette College

Kiosk: 63B

The Effects of Minimum Wage Hikes on Poverty Rates...Do Increases in Minimum Wages Actually Reduce Poverty?

Vern Summers; Augsburg College

Kiosk: 63C

Patient movement and profitability effects in California's healthcare market

Kendra Johnson-Tesch, Alex Everhart, Joey Dickens; Saint Olaf College

Education**Kiosk: 2A**

"A" is for Apple and "E" is for Exercise: Suburban Health and Fitness Policies

Sarah Peck; Bridgewater State University

Kiosk: 22A

Children who are Homeless in K-12 Public Schools

Stanley Kennedy; Winthrop University

Kiosk: 22B

Falling Off a Cliff: Transitioning From Special Education to Adult Life

Samantha Modica; Bridgewater State University

Kiosk: 22C

Outreach Research Conferences: Bridging the Gap Between Academia and the Public

Philip Jarrett, Joshua Willms; Texas Tech University

Kiosk: 64A

The Study of How Children Draw and the Development of Art.

YoungA Choi, Dabitan Chung; University of Minnesota, Crookston

Kiosk: 67A

Middle School Science Textbook Analysis: Implications for Students with Disabilities

Gregory Taylor; University of Cincinnati

Electrical Engineering**Kiosk: 2B**

Characterization of acoustic echoes & a comparison of bat and human waveforms

Yiming Jia; Ohio State University

Kiosk: 23A

Investigating Charge Induced Swelling of Porous Carbon Electrodes in Ionic Liquids

Alexander McBride; Drexel University

Engineering/Engineering Technology**Kiosk: 2C**

Dependence of Volume of Distribution on Gel Strength for Convection Enhanced Delivery of Drugs to the Brain.

Kunal Sunthakar, Christopher Brown, Alyssa Fountain, Dr. Luke Bradley, Dr. Peter Hardy; University of Kentucky

Kiosk: 23B

BIG DATA ANALYSIS OF IRREGULAR OPERATIONS:

Aborted Approaches and Their Underlying Factors

Hodua Kerkoub Kourdali; George Mason University

Kiosk: 64B

Increased Thermal Diffusivity of Carbon Fiber Reinforced Polymer Composites: Multiwall Carbon Nanotube-Studded Carbon Fiber

Patrick Mansfield; University of Kentucky

Kiosk: 64C

Non-Intrusive Monitoring of Civil and Mechanical Structural Deflection: A 3D Imaging Approach

Eric Rogers; West Virginia University



Poster Session 1

Kiosk: 65A

Testing of Particulate Composites to develop stronger materials

John Goolcharan; Florida International University

English**Kiosk: 3A**

"It's a Beautiful Reciprocal Arrangement": Fictive Personalities, Formative Responses, and Adult Interest in The Catcher in the Rye

Michelle Nussbaum; Elon University

Environmental Studies & Sciences**Kiosk: 23C**

AN INVESTIGATION OF THE EFFECT OF SOIL DISKING ON GEWÜRZTRAMINER (Vitis vinifera cultivar) GRAPE MATURATION IN THE FINGER LAKES REGION OF NEW YORK.

Molly Baillargeon; Wells College

Kiosk: 24A

Effect of chemically dispersed and physically weathered crude oil on behavior and predation in the marsh shrimp Palaemonetes vulgaris

De'Anna Franklin, De'Anna Franklin, Rene Smith, Ryan Johnson, Akia Borders, Sue Ebanks; Savannah State University

Kiosk: 24B

Habitat Preferences for Adult and Juvenile Red-Backed Salamanders (Plethodon cinereus) Between Cover Boards and Natural Cover Objects in the MCLA Forest

Macy Fredericksen; Massachusetts College of Liberal Arts

Kiosk: 65B

Native and non-native leaf decomposition in urban and rural streams

Rachel Johnson; Moravian College

Kiosk: 65C

Revisiting Maple Avenue Nature Park Brownfield Remediation Site Using Geochemistry

Cory Portwood, Cory Portwood, Kevin Piranio; Indiana State University

Kiosk: 66A

Tick Species and Their Potential Effects Within the Elk Population of Eastern Kentucky

Jansen Cunningham; University of Kentucky

Geography & Earth Sciences**Kiosk: 3B**

A GIS Interdisciplinary Investigation of Neolithic Sites and their Relation to the Environment around the Belice River Valley in Western Sicily

John Chesley, John Fritch; University of Northern Iowa

Kiosk: 24C

Conodont Coloration and Vitrinite Reflection to Determine Thermal Maturation of the Pine Creek and Ames Limestones of Western Pennsylvania

Christy Miller; Slippery Rock University of Pennsylvania

Kiosk: 25A

Locating Sinkholes in LiDAR Coverage of a Glacio-fluvial Karst, Washington County, Minnesota

Emma Young, Caitlin Castner; University of Minnesota, Twin Cities

Kiosk: 25B

Use of Trace Element Indicators to Test Tectonic Interpretations of Ordovician Metavolcanic Rocks in the Southern Appalachians

Kenneth Roop-Eckart; Columbus State University

Gerontology**Kiosk: 4A**

Development of an Isometric Leg Strength System for Measurement of Maximal Voluntary Contraction Strength in the Elderly

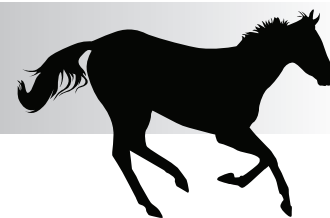
Eric Lindahl; Hamline University, St. Paul

Health Sciences & Public Health**Kiosk: 25C**

Body Composition Analysis of Heart Failure Patients With and Without Diabetes Using Bioelectrical Impedance Scale

Sima Amin; University of California, Los Angeles

Poster Session 1

**Kiosk: 26A**

Effectiveness of a Peer (Unit) Coach Model on End-of-Life Care Education

Eliza McGoldrick; University of Pittsburgh School of Nursing

Kiosk: 26B

Factors Associated with Clinical Outcomes following Autologous Chondrocyte Implantations (ACI) to the Knee
David Brueggeman; University of Kentucky

Kiosk: 26C

Local Food Systems and Health Disparities
Abra Sickles; University of North Carolina, Asheville

Kiosk: 66B

Sleep quality effect on immune response throughout pregnancy
Brittany U'Wren; Asbury University

History**Kiosk: 27A**

Dr. John A. Otte: A Study in Christian Cross-Cultural Mission Methods in China
Rebekah Llorens; Hope College

Kiosk: 27B

The Eugenics Movement in America: 1920-1980
Chelise Conn; Morehead State University

Interdisciplinary Studies**Kiosk: 4C**

LGBT the final frontier of human rights: A case study of same-sex marriage in Spain
Faith James; University of the Pacific

Kiosk: 27C

Social Entrepreneurship Venture for Health & Happiness
Carling Andrews; Elon University

International Studies**Kiosk: 5B**

An International Civil War: How Did Diamonds in Sierra Leone Play a Central Role in Creating and Maintaining Armed Conflict?

Lauren Matturri; Lafayette College

Kiosk: 5C

Empire of Slavery - The 1926 Slavery Convention
Robert Anderson; University of Connecticut

Kiosk: 6A

Empowering Women Collectively and Individually from Her Perspective: A Case Study of SEWA Delhi
Asthaa Chaturvedi; The George Washington University

Kiosk: 6B

Left-Behind: The Impact of Parental Migration on Salvadoran and Mexican Children
Isabel Duarte Vasquez; Dominican University of California

Kiosk: 6C

Structural Violence Extermination Project (SVEP) in Zimbabwe
William Lee; Ohio State University

Kiosk: 7A

The Constitution of the Sea: Energy Implication and Blue Growth in the Mediterranean
Rebecca Olsho; Drexel University

Kiosk: 7B

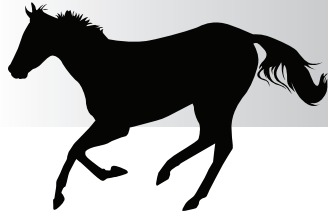
The Failing Economy: A Gain for the Parti Quebecois?
Allison Baker; Roanoke College

Kiosk: 7C

The Multifaceted Origins of the Basque Conflict in Spain
Hans Dosland; Luther College

Kiosk: 8A

The Role of Propaganda in the British Response to the Mau Mau Rebellion
Amelia Hussein; Depaul University



Poster Session 1

Kiosk: 8B

Ticket to Ride: Access to Public Transportation and Improved Livelihoods in Bogota, Colombia
Kate Brunette; American University

Kiosk: 28B

Trade Perceptions
Jenna Florence; Georgia Southern University

Kinesiology & Exercise Science

Kiosk: 28A

Examining Drunkorexia across Greek Affiliation
Lauren Cain; Miami University

Kiosk: 28C

The Influence of Sleep on ImPACT Performance
Mathew Schneider; University of Texas, Arlington

Linguistics & World Languages

Kiosk: 29A

The Christmas Markets in Germany: the German View Today
Hannah Kramer; North Central College

Mathematics

Kiosk: 29B

Locked and Unlocked Chains in 3-Space
Alicia Altemose; Moravian College

Kiosk: 29C

The Archbishop's Odyssey: A New Path, Creating New Opportunities
Leonard Sprague; Bridgewater State University

Microbiology & Immunology

Kiosk: 30A

Isolation and characterization of naturally-occurring plasmids from non-pathogenic human gut Escherichia coli.
RAY MIREMBO; Berea College

Kiosk: 30B

Statins, the cholesterol-lowering drugs cause myotoxicity through phospholipase D-mediated lipid signaling
Eric Tretter; Ohio State University

Neuroscience

Kiosk: 1B

Development of the Jordan HAT assay to study mechanosensation: Selective modulation of a neural circuit in larval Drosophila melanogaster.
Jordan Rice; Transylvania University

Kiosk: 30C

Attempt to attenuate age related hearing loss caused by oxidative stress by-products using an acrolein scavenger
Julie Luna; University of Puerto Rico

Kiosk: 31A

Dynamic causal modeling reveals distinct working memory networks in fetal alcohol spectrum disorders
Rohan Bhalla; Wayne State University

Kiosk: 31B

Gene Expression Analysis in Absence Epilepsy Using a Monozygotic Twin Design between Affected and Unaffected Discordant Twin Pairs: Implications for Contemporary Treatment Methods
Jonathan Maksabo; Wayne State University

Kiosk: 32A

Role of 5-HT_{2A} in Timekeeping Behavior
J. Daniel O Bray; Utah State University

Kiosk: 32B

The Neuroprotective Role of Combined Antioxidant Therapy in the Rat Model of Parkinson's Disease
Chelsea Mursch; Moravian College

Nursing

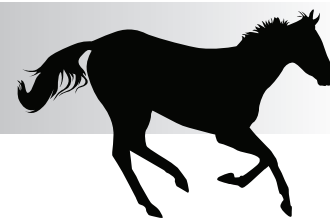
Kiosk: 32C

Auricular Point Acupressure to Manage Chronic Low Back Pain in Older Adults: A Randomized Controlled Pilot Study
Teika Takedai, Leah Morgolia, Shreya Bhatnagar, Jaclyn Primavera; University of Pittsburgh School of Nursing

Kiosk: 33A

Educating Pregnant Women on the Benefits of Exercise During Pregnancy
Sarah Toler; Baylor University Waco-University Development

Poster Session 1

**Kiosk: 33B**

Frequency of Errors Among Novice Nurses During Interrupted Medication Administration Tasks
Tatiana Podchinenova, Deja Zaritsky; University of Utah

Kiosk: 33C

Intervention Fidelity in a Randomized Clinical Trial to Promote Physical Activity in Older Adults with Comorbidity
Alyssa Sartore; University of Pittsburgh School of Nursing

Kiosk: 34A

Postoperative Nausea and Vomiting in Women Following Breast Cancer Surgery: Does Age Make a Difference?
Abbey Parrott; University of Pittsburgh School of Nursing

Kiosk: 34B

The Association of Health Behaviors Prior to and During Pregnancy and Maternal Complications and Neonatal Outcomes in Women with Type 1 Diabetes
Amanda Stone; University of Pittsburgh School of Nursing

Physics**Kiosk: 8C**

Analysis of Thermonuclear X-ray bursts in the Neutron Star X-ray Binary Cygnus X-2
Shaina Reisman; CUNY Brooklyn College

Kiosk: 9A

Electrical Double Layer Capacitors with Activated Carbon/Carbon Nanotube Composite Electrodes
Génesis Ayala; University of Puerto Rico at Humacao

Kiosk: 34C

Experimental Demonstration of the Single-Photon Sensitivity of a Quantum Dot, Optically Gated, Resonant RLC Circuit
Yann Talhouarne; University of Wisconsin, La Crosse

Kiosk: 35A

Modeling of Waveguides on Matlab
James Leiter; New Jersey City University

Kiosk: 35B

Production and Measurement of Four Degree of Freedom Photonic States with Single-Photon Entanglement
Darwin Cordovilla Cordovilla, Jaehyuk Choi, Brian Lasher; University of Evansville

Kiosk: 35C

Using FDTD Simulations to Investigate How Light Travels through Subwavelength Holes in Au+VO₂ Films
Bertrand Irakoze; Sewanee

Physiology**Kiosk: 36A**

*Range of Hematology and Biochemistry Values in Open-water, Captive Bottlenose Dolphins (*Tursiops truncatus*) in Roatan, Honduras*
Tracina Maiden, Connor Pogue; McLennan Community College

Poetry & Creative Writing**Kiosk: 9B**

August and Everything After
Anna Wright; University of Wisconsin, Oshkosh

Political Science**Kiosk: 9C**

Ballot Bomb: Exploring the Young Voter Trends in Kentucky's 2014 U.S. Senate Race
Lara Osborne, Stephanie Driskill, Austin Sprinkles; University of Kentucky

Kiosk: 36B

Cracking the Marble Ceiling: The Partisan Gender Gap in Congress
Lauren Currie; College of Saint Benedict

Kiosk: 36C

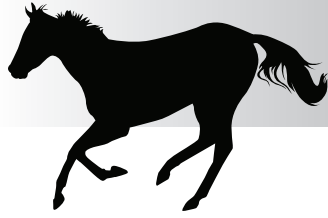
Mujeres Poderosas: Profiles of Argentine Politicians
Caitlin Hagan; University of Kentucky

Kiosk: 37A

The Influence of ECFA on Taiwan's Public Opinion of Cross-Strait Relations
Ruobing Wang; University of Rochester

Psychology**Kiosk: 10A**

Adolescent Marriage & Risk of Depression
Bao Lee; University of Wisconsin, Stout



Poster Session 1

Kiosk: 37B

Attitudes Towards People with Disabilities and of Ethnic Minorities

Matthew Biver, Emily Aus; University of South Dakota

Kiosk: 37C

Can Self Conscious Emotions Lead to Academic Success?

Joseph Diaz; Adelphi University

Kiosk: 38A

College Therapist Experiences of Shortened Therapy Sessions

Jessica Baglione, Megan Casey; Massachusetts College of Liberal Arts

Kiosk: 38B

Directed Forgetting and Political Retractions

Korey Nicholls; University of Kentucky

Kiosk: 38C

Effects of Age of First Use of Alcohol and Age of First Intoxication on Impulsivity and Behavioral Control in Young College Students

Renee Meister; Northern Kentucky University

Kiosk: 39A

Examining physical and psychological health outcomes of home repairs on rural Appalachian residents

Nathaniel Andrew; Milligan College

Kiosk: 39B

Gender Differences in Expectations about Online Dating

Karly Harris; Dominican University of California

Kiosk: 39C

How To Do College: Reflective Judgment in Academia

Michael McCormick; Massachusetts College of Liberal Arts

Kiosk: 40A

Influence of General Parental Racial Socialization on Adolescents' Racial Identity and Psychological Well-Being

Josefina Banales; Illinois Wesleyan University

Kiosk: 40B

Jury Decision Making Involving Rape Trials: Civil vs. Criminal Court Cases

Taylor Rippe; University of Kentucky

Kiosk: 40C

Naltrexone decreases food-maintained responding but is dependent on environment and food deprivation status

Hailey Walters; University of Kentucky

Kiosk: 41A

Parental Distress in Mothers of Very Low Birth Weight Infants: Examining the Influence of Medical, Family and Maternal Mental Health Factors.

Laurin Wilson; Utah State University

Kiosk: 41B

Pigeons Can Make Transitive Inferences

Korey Nicholls; University of Kentucky

Kiosk: 41C

Rates of Teacher's Behavior Specific Praise and Relation to Disruptive Behavior

Sawyer Howe, Morgan Eldridge; Eastern Illinois University

Kiosk: 42A

Semantic Satiation and the Comprehension of Emotional Language

Megan Wehse; University of Wisconsin, Whitewater

Kiosk: 42B

Sport Education Model and Motivation in University Physical Education Classes

Michael Mellinger; Appalachian State University

Kiosk: 42C

Testing the Long-Term Impact of Dangerous Calls on EMT's Well-Being

Steven Clements, Kent Hinkson Jr.; Utah Valley University

Kiosk: 43A

The effect of family values on early romantic relationship formation and attitudes in Black-American and Hispanic adolescents

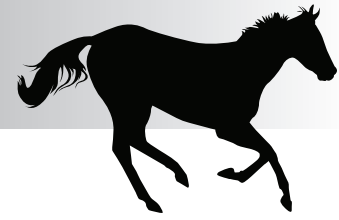
Chelsey Boulden, Ciara Bush; George Mason University

Kiosk: 43B

The Effects of Popularized Stereotypes on Jury Decision-Making

Anastasia Formica; Iona College

Poster Session 1-2

**Kiosk: 43C**

The Influence of Heart Rate Variability on Decision Making
Ravi Bhatt; Ohio State University

Kiosk: 44A

The Relationship between Sexual Assault History and Current Substance Abuse in Women
Brandy McAdams-Hart; Southern Illinois University
Edwardsville

Kiosk: 44B

TROUBLE FINDING THE RIGHT WORDS? : An investigation into lexical selection using auditory distraction
Jessica Crawford; University of Central Lancashire

Kiosk: 44C

You Be the Judge: Mood and Impression Formation
Elizabeth Ziemer, Sara Dorow; St Norbert College

Recreation and Leisure Studies**Kiosk: 10B**

Sustainable Tourism
Shannan Eagan; California University of Pennsylvania

Sociology**Kiosk: 10C**

A Perfect Storm: The Hope VI Program and the Atlanta 1996 Summer Olympics
Sarah Nash; Saint Louis University

Kiosk: 11A

Local Food Policy Development for Community Stability
Erica Indiano; University of Kentucky

Kiosk: 45A

Slacktivism or Activism? : A Study of Online and Offline Civic Engagement in College Students
Chelsea Champion; Iona College

Kiosk: 45B

The Increase in African American gangs: 1960-2012 structural and cultural factors
Alexia Johnson-Cole; University of Wisconsin, Whitewater

Theatre/Drama**Kiosk: 11B**

Dressing the Part: Theatrical Costume Design and its Implications for Character Development in the Rehearsal Process
Carlee Fields; North Central College

SESSION 2**Anthropology & Archeology****Kiosk: 3C**

Achill Island, Ireland: An Archaeological Experience
Karina Sanchez; California University of Pennsylvania

Kiosk: 11C

Anthropological Archaeology Considerations Regarding the Geometric Period Burial Ground at Naxos Island-Greece
Allison Adler, Ashley Corbeil, Joanna Wells; Adelphi University

Kiosk: 45C

Genetic Diversity in Totonacan-Speaking Populations and Their Interactions with Other Populations from the Veracruz and Puebla States of Mexico
Daniel Brooks; University of Pennsylvania

Anthropology & Archeology**Kiosk: 46A**

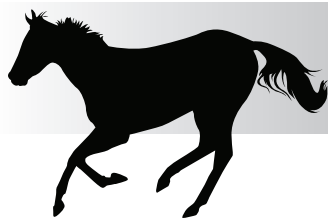
Skeletal Trauma as a Result of Human Rights Abuses and Armed Conflict in the Former Yugoslavia and Guatemala
Meghan Conroy; University of South Carolina

Architecture & Interior Design**Kiosk: 12A**

Promoting Design Thinking in Education
Andrea Burns; University of Kentucky

Astronomy**Kiosk: 1A**

A precision photometry study of Galactic H II regions
Steven Bartel; University of Wisconsin, Oshkosh



Poster Session 2

Kiosk: 12B

Analysis of Diffuse Interstellar Bands in Open Cluster NGC 7160

Cory Schrandt; Carthage College

Biochemistry**Kiosk: 12C**

Analysis of RNA-binding Protein Dynamics with Elastic Network Models

Ann Quigley; Elon University

Kiosk: 46B

CCL21 and CCR7's interaction in Cancer Metastasis

Asha Bailey; University of Wisconsin, Whitewater

Kiosk: 46C

Determination of Enzyme Kinetics Using Electrophoretically Mediated Microanalysis

Kaitly Woodard; Appalachian State University

Kiosk: 47A

Functional Confirmation of Genes Involved in Antiestrogen Resistance Breast Cancer

William Walter; University of Minnesota, Duluth

Kiosk: 47B

Inhibition of TAK-1 leads to deregulated expression of KRAS and NF- κ B in Pancreatic Cancer

Alia Ahmed; Wayne State University

Kiosk: 47C

Oxidative effects on muscle protein function

Tatiana Soboleva; Minnesota State University, Mankato

Kiosk: 48A

The Activity of BACE1 and BACE2 Accelerates the Development of Alzheimer's Disease

Kelsey Melgaard; University of Minnesota, Duluth

Kiosk: 48B

The Structure of the Chemokine CCL21 and its Receptor CCR7

Larry Williams; University of Wisconsin, Whitewater

Biological Engineering**Kiosk: 13A**

Brain Modeling to Mimic Functionality Studies of Cerebrospinal Fluid

Esther Bieszk; Milwaukee School of Engineering

Kiosk: 48C

OpenSim as a Biological Simulation for Sensorimotor Experiments

Justin Sellman; George Mason University

Biology**Kiosk: 13C**

*A generalized integrative approach to genomic phylogeography and species delimitation in Brown and Red-bellied snakes (*Storeria*)*

Felisa Wei Hsieh; The George Washington University

Kiosk: 14A

Algae, a Source of Biofuels: Extraction of Key Components is the Key to Making it Work

Maria Oseguera, Ashton Mikell, Pooja Prasad; Dominican University of California

Kiosk: 14B

*Analysis of the nucleoside triphosphate phosphohydrolase I gene from the *Diachasmimorpha longicaudata* entomopoxvirus*

Sarai Milliron; Eastern Washington University

Kiosk: 14C

Assessment of How Pause Time Affects the Efficiency of a New Point of Use Water Filtration System in Siem Reap, Cambodia

Minh Lam, Amanda Kutok; Bridgewater State University

Kiosk: 15A

*Biogeography and microhabitat of the green salamander (*Aneides aeneus*) in the Valley and Ridge physiographic province*

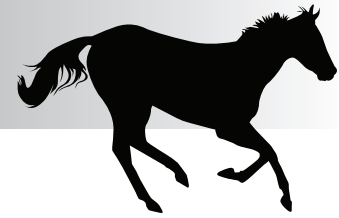
Melissa Blackburn, John Wayland; University of Virginia's College at Wise

Kiosk: 49A

*Characterization and effectiveness of the antifungal metabolite produced by the *Isaria* fungus*

Katherine Betuel; State University of New York, New Paltz

Poster Session 2

**Kiosk: 49B**

Circadian Profile of pCREB Expression in the Adrenal Medulla of Rats

Maurice Tran; Seattle University

Kiosk: 49C

Comparison of Physical, Acid, and Hot Water Scarification on Seed Germination in Easter Redbud Seeds

Kara Mylor, Sarah Holton; University of Kentucky

Kiosk: 50A

Effect of Peppermint Extract on Adipocyte Differentiation and Lipid Uptake

Mary Kamos; Loyola University

Kiosk: 50B

*Endophytic Colonization and Growth Promotion of Rice (*Oryza sativa*) by *Azoarcus olearius* DQS4*

Sydnee Rausch; University of Wisconsin, Milwaukee

Kiosk: 50C

*Examining the interactions between YAK1 and MSS11, PAT1, and DCS1 in signal transduction in *Saccharomyces cerevisiae**

Adeline Boettcher, Christina Carstens, Scott Blaszk; North Central College

Kiosk: 51A

*Identification of a diverse group of soil bacteria to study their potential for blocking male development in *Ceratopteris richardii* gametophytes*

Nicole McAllister; Gannon University

Kiosk: 51C

*Investigating Transporter Genes Involved in Nematode Infection of *Arabidopsis thaliana**

Courtney Mercadante; Bridgewater State University

Kiosk: 52A

Metabolic recovery following submaximal exercise is not dependent upon training status or gender

Lauren Maze; Luther College

Kiosk: 52B

Multimodal Functional Imaging of the Tumor Microenvironment: MRI, US, and PAI

Ryan Cullen; College of St Scholastica

Kiosk: 52C

Potential Influence of Fish Bites on Yellow Band Disease on Corals off the coast of Roatan, Honduras

Kara Schmidt; McLennan Community College

Kiosk: 53A

*Reduction in stochastic environmental variation increases behavioral repeatability in house sparrows (*Passer domesticus*)*

Nur Ali; Transylvania University

Kiosk: 53B

Screening Potential Anthelmintic Compounds for Novel Activity

Kendra Wells; University of Wisconsin, La Crosse

Kiosk: 53C

Sources of Uncertainty in Nutrient Sampling Below a Point Source

Hayden Campbell; Utah State University

Kiosk: 54A

Targeting Human Hepatocellular Carcinoma with Syncytin-Conjugated Liposomes

Evan Wittke; Northern Illinois University

Kiosk: 54B

The Effects of Atypical PKC on the Differentiation of Kidney Cells

Fatime Qosaj; Adelphi University

Kiosk: 54C

*The Genomic and Morphological Effects of Bisphenol A on *Arabidopsis thaliana**

Kiera Dunaway; Trinity Christian College

Kiosk: 55A

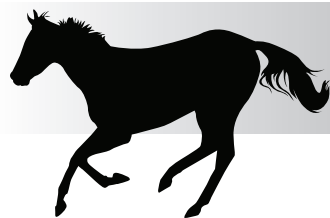
The Role of dHb9 Expressing Motor Neurons in the Eclosion Behavior

David Conway, Joseph Conway, Catherine Lok; Miami University

Kiosk: 55B

*The Roles of Endocannabinoids and Their Chemical Relatives in Regulating *Drosophila melanogaster* Metabolism*

Ruth Bishop; University of Alabama



Poster Session 2

Kiosk: 55C

Using Germline Markers to Understand Genomic Rearrangement in Lamprey
Sarah Whelan; University of Kentucky

Business/Finance/Accounting**Kiosk: 15B**

Perceptions that Drive Cloud-Based Application Adoption Decisions by Students and Faculty
Abigail Habeck, Adam Revak; University of Wisconsin, Eau Claire

Cell & Molecular Biology**Kiosk: 1B**

3D Dynamic Model of the Switch I and II Regions of H-RAS Using Shape Memory Material
Summer Hoskins; University of Wisconsin, Whitewater

Kiosk: 15C

Assessing Pro-Inflammatory Biomarkers as Early Indicators of Influenza Disease
Makda Gebre; Utah State University

Kiosk: 16A

Differentiating Molecular Subtypes of Breast Cancer Using High-Frequency Ultrasound
Caitlin Carter; Utah Valley University

Kiosk: 16B

Expression of Non-Coding Trinucleotide Repeats in a Mouse Embryonic Stem Cell Model of Myotonic Dystrophy
Michael Krueger; University of Wisconsin, Stout

Kiosk: 16C

Heme Iron Causes Cytotoxicity to Vascular Endothelial Cells Through Oxidant Lipid Signaling: Protection By Novel Lipophilic Thiol Chelator Drug and Implications Toward Treatment of Sickle Cell Disease
Yizhou Wu; Ohio State University

Kiosk: 56A

Localization and Expression Level of Vascular Endothelial Growth Factor after Partial Hepatectomy of WKY Rats
Adam Kronebusch, Tyler Koonst; Minnesota State University, Mankato

Kiosk: 56B

Multiplex Polymerase Chain Reaction Assignment of Community and Hospital Acquired Methicillin-Resistant Staphylococcus aureus Isolates from Ecuador, SA
Justin Mabin; University of Wisconsin, Eau Claire

Kiosk: 56C

Role of OV3 in sensitivity to antiestrogens
Vlad Popescu; University of Minnesota, Duluth

Kiosk: 57A

The effects of 5-fluorouracil on nuclear RanGTP levels in HeLa cells
Brittany Colosimo; Westminster College

Kiosk: 57B

THE ROLE OF THE "G" SUBUNIT OF ATP SYNTHASE IN NEBENKERN STRUCTURE OF DROSOPHILA MELANOGASTER SPERMATOGENESIS
Oshauna Morgan; Johnson C Smith University

Chemical Engineering**Kiosk: 17A**

Electrochemical Measurement of Toxic Metal Contaminants in the Waters of Golden Triangle Area
Progga Chirontoni; Lamar University

Chemistry**Kiosk: 17B**

¹⁹F-NMR as a Reaction Monitor of 7-methoxy-4-trifluoromethylcoumarin conversion to 7-hydroxy-4-trifluoromethylcoumarin by CYP19A1
Samantha Zukowski; Adelphi University

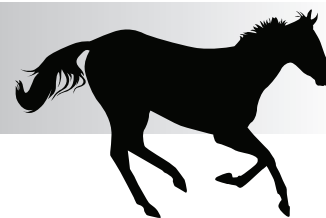
Kiosk: 17C

Antioxidant Activity in Different Forms of Hops
Jennifer Popernack; College of St Scholastica

Kiosk: 18A

Characterization of Peptide 1 within the Metal Binding Domain of SlyD
Tara Bjorklund; University of Nebraska, Kearney

Poster Session 2

**Kiosk: 18B**

Development of a Multi-purpose Electrospray-Electron Impact Tandem Mass Spectrometer
Cody Hill; Humboldt State University

Kiosk: 18C

Effect of Heme Electron Density on the Nitrite Reductase Activity of Myoglobin
Amanda Stetz; Penn State Erie, The Behrend College

Kiosk: 57C

Examination of pH and the electric field in simultaneous chromatography and electrophoresis.
Brae Petersen, Tim Rose, Kishor Prasain; Brigham Young, University-Idaho

Kiosk: 58A

Identification of multisubunit complexes containing the S. cerevisiae bud neck ring protein Elm1p
Hunter Hoffman; Susquehanna University

Kiosk: 58B

Investigating the Conformational Preferences of Aromatic Oligoureas using Substituted N,N'-Diphenylurea Compounds
Amanda Pawlowski; Penn State Erie, The Behrend College

Kiosk: 58C

Mitochondria Targeting Nitron Antioxidants To Treat Degenerative Diseases
Ana Villegas; Florida International University

Kiosk: 59A

Optimization of Iron Oxide Nanoparticles by Density Gradient Centrifugation and Surface Modification
Daniel Bakke; University of Minnesota, Twin Cities

Kiosk: 59B

Preparation of Ketones Using a Catalyst and an Oxidant from Alkynes
Kathryn Sauka; Penn State Erie, The Behrend College

Kiosk: 59C

Radical combination of H₂S and HCFCs followed by HF and HCl elimination
Sam Rossabi, Kylie Smith; University of North Carolina, Asheville

Kiosk: 60A

STUDIES ON THE TOTAL SYNTHESIS OF AMPHIDINOLIDE C
Xuan Wu; Ohio State University

Kiosk: 60B

Synthesis and Spectroscopic Investigations of 5,10,15,20-Tetra tetra[3,4-dibenzyloxy]porphyrin and Its Zinc Complex.
Katherine Savell; University of Montevallo

Kiosk: 60C

Synthesis of Metal-organic Frameworks for Peptide Adsorption Studies
Magen Nivison, Maryanna Kroska; University of Minnesota-Morris

Kiosk: 61A

Synthetic Efforts of Natural Product NA22598A1 Isolated from Streptomyces species NA22598 and the Discussion of its Biological Effects
Florence Fernandez; University of Utah

Kiosk: 61B

Thermoreversible Gelation of Polycaprolactone in Dimethylformamide
Joseph Monaghan; King's College

Communications**Kiosk: 19A**

A Cultural Comparison of the Impact of Community Involvement on Happiness: USA and Lebanon
Christine Miller, Lydia Wathen, Christine Miller, Haley Donahue; Hope College

Kiosk: 61C

Forming Romantic Relationships
Elizabeth Fox; University of Kentucky

Computer Science**Kiosk: 19B**

A Dynamic Faceted Search Interface for PubMed
Ogenna Esimai; University of Texas, Arlington



Poster Session 2

Kiosk: 19C

Determining Proximity Through High Frequency Emission and Detection

Christine Dierk; Elon University

Kiosk: 62A

Microenterprise Sustainability: The After-Effect of ICT Adoption and Use

Joseph Jackson; State University of New York, Brockport

Kiosk: 62B

Reward-Selective Propagation Cascade Model

Tyler Olson; Saint John's University

Kiosk: 62C

UTILIZING PYTHON FOR COMPUTATIONAL THINKING IN UNIVERSITY PHYSICS

Samuel Adeogun; Fisk University

Criminology**Kiosk: 1C**

A proposed method and application of techniques to retrieve latent fingerprints from post-blast improvised explosive device situations

Fadi Hijaz; Virginia Commonwealth University

Kiosk: 20A

Family Ties: Exploring Familial Relationships for Individuals with a Felony Conviction

Vanessa Lopez; Marquette University

Diversity Studies**Kiosk: 20B**

Afro-Colombian Exclusion and the Feasibility of Affirmative Action Policies

Rachel Crooks; Florida State University

Ecology & Organismal Biology**Kiosk: 20C**

Assessing Bat Activity Across the Northern Tier of Yellowstone National Park

Mary McKenna; University of Kentucky

Kiosk: 21A

Fossil Mammals from the Ancient Mojave: Tracking Faunal and Environmental Change

Molly Moroz; University of Michigan

Kiosk: 63A

*The Effects of Pack Density on Territorial Responses to Simulated Intrusion by Gray Wolves (*Canis lupus*) in the North Central Forests of Wisconsin*

Sarah Wyrick, Phillip Pieper; University of Wisconsin, Whitewater

Economics**Kiosk: 21B**

Are For-Profit Hospitals Bad For Your Health?

Victoria Bonisese; Lafayette College

Kiosk: 21C

Faulty Financial Reporting: The Evolution of Earnings Restatements

Abby Floyd-Jones; Lafayette College

Kiosk: 63B

The Effects of Political Crises Events on the Venezuelan Bolívar

Daniel Schwindt; Wake Forest University

Education**Kiosk: 2A**

A Modern Version of Harvard Project Physics's Determining the Orbit of Mars Experiment

Lance Kush; University of Nebraska, Kearney

Kiosk: 22A

Comparing Anatomy and Physiology Stretch to Human Biology... Which is more successful?

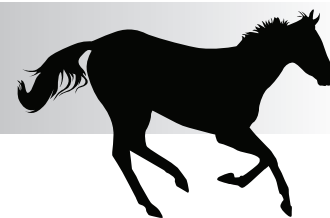
Jamie Cousineau; Vermont College

Kiosk: 22B

From Worst to First: A Phenomenological Study of One School's Story of Change

Elizabeth Dow; Northern Michigan University

Poster Session 2

**Kiosk: 22C**

Perceptions of Latino High School Students on Parental and High School Support for Higher Education Preparation
Megan Guerra, Christianna Snyder, Daniela DeSousa Arocha; Milligan College

Kiosk: 63C

The Educational Experiences of Latinas in Higher Education
Carmencita Navarro; San Jose State University

Kiosk: 64A

Through the eyes of teachers: Benefits and challenges of implementing blended learning in a public school district
Carolyn Miesen, Kimberly Filer, Mathew Rearick; Roanoke College

Electrical Engineering**Kiosk: 2B**

Detecting Water Quality: "A Comprehensive Study on the pH, TDS, E.C., and Salinity of Water"
Allan Richmond Morales; The George Washington University

Kiosk: 23A

Mobile Technology for STEM Education
Matthew Reader; North Carolina Agricultural and Technical State University

Engineering/Engineering Technology**Kiosk: 2C**

Pervious Concrete: A Testing of Traits and Methodology
Susan Limberg; Norwich University

Kiosk: 23B

Bipedal Robots: What are the issues with dynamic bipedal movement?
Cash Willis, Cash Willis; Murray State University

Kiosk: 64B

Innovative Insulin Pump
Ian Sellers; Norwich University

Kiosk: 64C

On Degenerate Position of a Wheelset and Rail
Andrew Behnke; Northern Illinois University

Kiosk: 65A

The Dangers of the Smart Weapons
Ali Alrifai; Lee College

Kiosk: 66C

Technological and Aesthetic Investigation of the Physical Movement of Pianists
Jesse Latimer; Texas Tech University

English**Kiosk: 3A**

Investigating Processes and Challenges Researching an Indo-Zoroastrian Genealogy: Results from Undergraduate Research
Bejan Kanga; University of Kentucky

Environmental Studies & Sciences**Kiosk: 23C**

Assessing the Impacts of the Lake Muhlenberg Dam: Physical, Chemical and Biological Effects
David Siepietowski, Dana Fineman, Rachel Johnson; Moravian College

Kiosk: 24A

Effects of temperature and precipitation anomalies in a specific winter/summer on the corresponding summer/winter
John Troutman; California University of Pennsylvania

Kiosk: 24B

Health of Small Pond Ecosystems
Sarah Moore, Annie Bennett; Wheaton College - Massachusetts

Kiosk: 65B

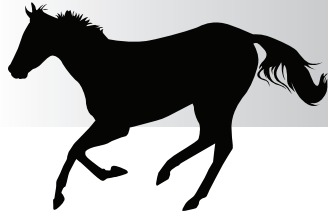
Nitrogen content of lichens as an indicator of inversion-based deposition
Brianna Palmer; Utah State University

Kiosk: 65C

Solutions for Wastewater Treatment in Poor Rural Mining Communities
Ariel Ward, Ahnna Beruk; Howard University

Kiosk: 66A

University of Wisconsin- River Falls Green House Gas Emission Sources
Daniel Saunders; University of Wisconsin- River Falls



Poster Session 2

Geography & Earth Sciences

Kiosk: 3B

A Stratigraphical Analysis of the Tremaine Site: Erosional Processes Preserving Oneota Remains

Spencer Kawell; University of Wisconsin, La Crosse

Kiosk: 24C

Examining microbial diversity in a Paleocene Wilcox Group Coal from Texas

Sharon Brooke; Morehead State University

Kiosk: 25A

Mineralogy and geochemistry of Saharan dust from marine cores

Mollie Pope; Western Kentucky University

Gerontology

Kiosk: 4A

Effects of Yoga on Measures of Stress, Exhaustion, and Physiological Function in Healthy Elderly Individuals

Katherine Tilton, Nicole Eickholt, Eric Lindahl; Hamline University

Health Sciences & Public Health

Kiosk: 25B

Access for All: Higher Education Accessibility for Europeans with Disabilities

Thomas Bouril; Northern Illinois University

Kiosk: 25C

Body Image Disturbance and Self-Perception in Young Adult Women

Hannah Lerner; Emory University

Kiosk: 26A

Effects of Salamba Sirsasana on Heart Rate Variability in Advanced Yoga Practitioners

Steven Munassi; Loyola Marymount University

Kiosk: 26B

Factors Associated with Failing to Seek Medical Care for Vulvar Pain

Katherine Kelsey; University of Minnesota, Twin Cities

Kiosk: 26C

Model of Cost-Effectiveness of MRI for Women of Average Lifetime Risk of Breast Cancer

Mckenna Kimball; Dominican University of California

Kiosk: 66B

Sophomore = Wise Fool? The Examination of Alcohol Consumption Throughout Class Years

Victoria Xidas; Miami University

History

Kiosk: 4B

"I carry War in my right hand and in my left Peace": George Rogers Clark and the Illinois Country Middle Ground during the American Revolution

Mark Stanford; Eastern Illinois University

Kiosk: 27A

Foreign Memories of a Chinese Tragedy: the Nanking Massacre through Western Documents and Eyewitness Accounts

Zi Yang; George Mason University

Kiosk: 27B

The Portrayal of Women Slaves

Renee Fuchs; Adelphi University

Interdisciplinary Studies

Kiosk: 4C

Accuracy of Visual Depth Perception in an Open Field

Lauren Beck; Susquehanna University

Kiosk: 27C

The Economic Role of the Mexican Sweatshops: Exploitation or Saving Grace?

Charla Henley; Roanoke College

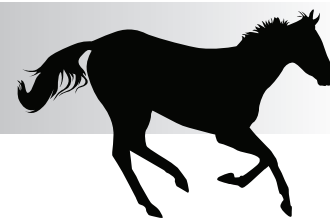
Kinesiology & Exercise Science

Kiosk: 5A

ASSOCIATION BETWEEN POSTURE AND PULMONARY FUNCTION IN MIDDLE AGE AND OLDER ADULTS

Katherine Doro, Molly Heiman, Abigail Berens; University of Wisconsin, Eau Claire

Poster Session 2



Kiosk: 28A

Female mice serum parameters are not affected by controlled exercise during pregnancy

Christa Childers; University of Kentucky

Kiosk: 28B

The Effect Of Hamstring And Ankle Plantar Range Of Motion On 50-Yard Flutter Kick Performance Time

Laura Drake, Elliot Hoekstra; Gustavus Adolphus College

Kiosk: 28C

The Kinematic Analysis of the Effects Using Different Stretching Protocols Before Executing an Instep Soccer Kick.

Rachael Lewin; University of Kentucky

Law & Legal Studies

Kiosk: 5B

“ECONOMIC DEVELOPMENT” OR “PUBLIC USE”: FIVE SUPREME COURT JUSTICES DEVELOP AN UNJUST PRECEDENT TO USE AND ABUSE THE SYSTEM

Cole Mizak; Sierra Nevada College

Linguistics & World Languages

Kiosk: 29A

Tongues from Across the Mediterranean: The Influence of Classical Arabic on Spanish Phonology

Erica Mattingly; University of Kentucky

Literature

Kiosk: 5C

“Where Do You Think Fortune Cookies Come From?": Aphorisms, Ethnic Stereotypes, and Feminine Wisdom in M. Butterfly

Judith Lavelle; Wells College

Management

Kiosk: 6A

Business Intelligence in Higher Education Administration

Carson Cone, LaShaude James; University of North Carolina, Pembroke

Mathematics

Kiosk: 6B

A Cognitive Hierarchy Model of Economics Students

Callie Mettie; Eastern Washington University

Kiosk: 29B

Mathematical Modeling of Dynamic Social Processes

Alexandra Zeller; George Mason University

Kiosk: 29C

Using Euclid's Theorems to Minimize Skin Grafts in the Operating Room

Emily Thren; Gettysburg College

Media Studies

Kiosk: 6C

Comparison of Australian and US Newspaper Coverage of Female Athletics

Madison Hibshman; University of Portland

Microbiology & Immunology

Kiosk: 7A

A four-year assessment of soil bacterial diversity in SW Pennsylvania

Christine Dee, Christopher Casagrande; Washington and Jefferson College

Kiosk: 30A

Isolation and Screening of Soil Bacteria for Polycyclopropanated Fatty Acid Production Genes

Katherine Savell; University of Montevallo

Kiosk: 30B

The Effect of Endothelial Monocyte-Activating Polypeptide II on the Capacity of Dendritic Cells to Attract T-cells

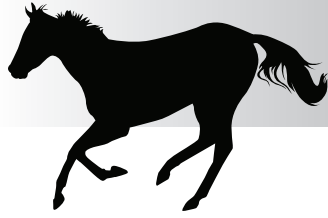
Amber Washington; Oklahoma State University

Music Original Composition

Kiosk: 7B

Marching Percussion: The Art of Creative Redesign

Elizabeth Renaud; Albion College



Poster Session 2

Neuroscience

Kiosk: 30C

Attenuation of Methamphetamine Induced Microglial and Astroglial Activation by Leptin

Vartan Pahalyants; Hunter College

Kiosk: 31A

Effect of Age on Sexually Dimorphic Expression of Selected Sex Chromosome Genes in the Mouse Cortex and Hippocampus

Debbie Moreira; California State University - Long Beach

Kiosk: 31B

How Pre-exposure to Cocaine Affects Adult Behavior and Physiology in Zebrafish

Ana Espinoza, Robert Longie, Shelby Poitra; Arizona Western College

Kiosk: 31C

Opioidergic Modulation of Mitral Cells in Accessory Olfactory Bulb Processing

Abigail Alexander; Bates College

Kiosk: 32A

Testing L-Type Calcium Channel Effects on Brain Stimulation Reward in the Sublenticular Central Extended Amygdala

Alex Schultz; University of Wisconsin, Whitewater

Kiosk: 32B

The Role of a Serotonin Transporter Gene Polymorphism in Relation to Novelty Seeking and Risky Sexual Behavior

Desirae Wood, Houda Nizam; Weber State University

Nursing

Kiosk: 7C

A Description of BSN Students' Beliefs about Birth Before and After OB Clinical Rotations

Rebecca Meyer; University of Alabama in Huntsville

Kiosk: 8A

Association of Biological and Self-Reported Stress Measures with Cardiovascular Disease and Risk Factors Among Adults with Type 2 Diabetes

Valerie Gideon; Ohio State University

Kiosk: 32C

Breast Health Needs of African American Women Less than 50 Years of Age: Assessment of Breast Awareness and Breast Cancer Screening

Shelby Wester; University of Wisconsin, Milwaukee

Kiosk: 33A

Emotional Eating and Visual Food Records

Winter Chambers; Lubbock Christian University

Kiosk: 33B

Function of auricular point acupressure in inducing changes in inflammatory cytokines during chronic low back pain: A pilot study

Shreya Bhatnagar, Teika Takedai; University of Pittsburgh School of Nursing

Kiosk: 33C

Medication regimen complexity and medication management errors in caregivers of older adults with memory loss living in the community

Erica Wolf; University of Pittsburgh School of Nursing

Kiosk: 34A

Pre-Health Majors Perception of Inter-Professional Collaboration

Jessica Hechsel; Gustavus Adolphus College

Kiosk: 34B

The Association of Perceived Exercise Barriers and Physical Activity in Adults with Type 2 Diabetes

Jennifer Mai; University of Pittsburgh School of Nursing

Philosophy & Ethics

Kiosk: 8B

Problems with the Protection Model for Biomedical Research and Potential Solutions in the Access Model

Tatiana Cody; Eastern Kentucky University

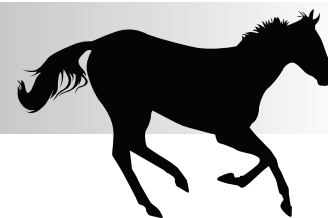
Physics

Kiosk: 8C

Analysis of Untriggered Small Events in the HAWC Telescope

Ian Sohl; University of Utah

Poster Session 2

**Kiosk: 34C**

Growth and Characterization of AM-2Ru4O11 Single Crystals (A = Sr, Ba; M = Co, Fe, Mn, Ni)
Eric Teipel; University of Kentucky

Kiosk: 35A

Molecular dynamics simulation of electrodes for capacitors made with nano-onions
Jordan Caraballo Vega, Frances Martinez Miranda;
University of Puerto Rico at Humacao

Kiosk: 35B

Riemann Track Finder Algorithm on GPUs for PANDA
Jonathan Timcheck; Ohio State University

Kiosk: 35C

Using VPython Modeling to Design the Magnetics for an Artificial Cilia Platform
Jacob Brooks; High Point University

Physiology**Kiosk: 9A**

Baseline Hematology in Tursiops truncatus (Atlantic Bottlenose Dolphins), Roatan, Honduras
Connor Pogue, Tracina Maiden; McLennan Community College

Kiosk: 36A

Respiratory Physiology for Second Graders
Jennica Hipes, Taylor Artley, Carson Moesle; Indiana State University

Poetry & Creative Writing**Kiosk: 9B**

Marked
Anna Wright; University of Wisconsin, Oshkosh

Political Science**Kiosk: 9C**

China's Housing Market: A Reflection of Domestic Investment Challenges
Hannah Randolph; University of Cincinnati

Kiosk: 36B

Damaging Media and the Weary Public: An Analysis of Political Participation in an Increasing Polarized Electorate
Walker Yanarella; University of Kentucky

Kiosk: 36C

Opposites Attract: How NGO Penetration Affects Repression
Ashley Palin; Northern Illinois University

Kiosk: 37A

The United States: A Benevolent Intervener?
Matthew Lane; University of Kentucky

Psychology**Kiosk: 10A**

An Analysis of Personality and Neurocognitive Correlates of Internet Addiction
Peter Krause, Taralynn Balingit, Bryan Kitagawa, Brian Ortiz, Gina Hernandez, Kimmy Kee; California State University Channel Islands

Kiosk: 37B

Authenticity and Time Use
Jaime Haines; University of Wisconsin- River Falls

Kiosk: 37C

Caregiver Reaction to Placement Scale: A New Instrument to Assess Caregiver Emotional Functioning Following Nursing Home Placement
Joshua Taylor; University of South Alabama

Kiosk: 38A

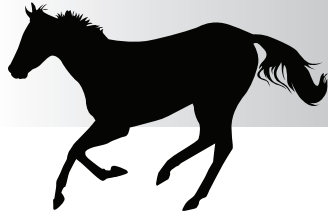
Community connections workshops: Helping children and families with the transition to kindergarten through parental engagement and community support.
Jodie Lawlor; Carleton University

Kiosk: 38B

Discrepancies Between Implicit and Explicit Self-Esteem And Well-Being: The Role of Negativity Biases
Nelson Zounlome; Indiana University

Kiosk: 38C

Effects of D-Amphetamine Sensitization on Sprague-Dawley and Spontaneously Hypertensive Rat Acquisition and Preferred Strategy of Learning
Melanie Vassallo, Emily Bates; James Madison University



Poster Session 2

Kiosk: 39A

Examining the association between the duration of untreated psychosis and symptom severity in a Mexican outpatient sample

Faviola Valdez; University of Wisconsin, Milwaukee

Kiosk: 39B

Gender differences in mental and physical health outcomes of drug treatment court participants

John Wilson; University of Rochester

Kiosk: 39C

Human Trafficking: University Students' Attitudes Toward Victims

Kayla Volbrecht, Megan Overstreet, Courtney Berquist;
University of Wisconsin, Eau Claire

Kiosk: 40A

Intrinsic Motivation for Equine Assisted Therapy Measured Through Engagement and Autonomy

Kendall Tadych, Haley Bray; St Norbert College

Kiosk: 40B

Justification for Stimulant Drug Uses and Likeability of College Students

Eileen Borczon; Xavier University

Kiosk: 40C

Navigating the Health Care System: Strategies and Resources of Parents with Transgender and Gender-Nonconforming Children

Rebecca Wesseh; Miami University

Kiosk: 41A

Parental Warmth and Psychopathy

Ashley Nienhuis; Eastern Washington University

Kiosk: 41B

Political Values versus Mental Health Status: Identifying the More Salient Predictor of Favorability

Yekaterina Pavlopoulos; North Central College

Kiosk: 41C

Reflecting the Image of God: An Examination of Spirituality's Influence on the Expression of Negative Health Behaviors in College Students

Mathew Giffin; Miami University

Kiosk: 42A

Sex Differences in Cocaine-Induced Sensitization in Japanese Quail

Emily Edmiston; University of Kentucky

Kiosk: 42B

Stereotype Spillover Effects on Women in Mathematics

Laura Jensen, Rachel Unruh; Bethel College

Kiosk: 42C

The ABC's of Environmentalism: Does Affect or Cognition Cause Pro-Environmental Behavior?

Jennifer Cole; Rice University

Kiosk: 43A

The Effect of Parental Food Rule Perceptions on Young Adults' Food Choices and BMI

Jennifer Bennis; Millersville University

Kiosk: 43B

The Effects of Procrastination on Self-Esteem

Leah Ruiz; Eastern Washington University

Kiosk: 43C

The King-Devick Test as a Predictor of Long-Term Cognitive Effects Post-Concussion

John Bernstein; University of Rochester

Kiosk: 44A

The Relationship between Shyness and Academic Success

Kayla Fouraker; Jacksonville University

Kiosk: 44B

Undergraduate Students' Self-Report of Depression and/or Anxiety and the Utilization of Campus Resources

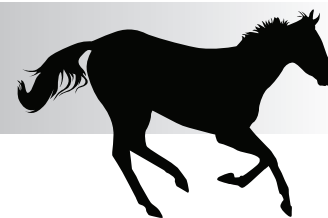
Brittany Heilman; College of St Scholastica

Recreation and Leisure Studies**Kiosk: 10B**

The Relationship Between College Students' Connectedness to Nature, Quality of Life, and Stress

Hannah Shields; Carthage College

Poster Session 2-3



Social Work

Kiosk: 44C

Perceptions of Health-related Family Quality of Life Among Breast Cancer Survivors with Radiation Induced Brachial Plexopathy

Mallory Waters, Anjana Jagpal, Antoinette Lentz, Briana Deer; Miami University

Sociology

Kiosk: 10C

Are student evaluations of teaching a measure of non-cognitive skills? The link between student opinion of teaching and academic achievement.

Alexandra Martin; St Norbert College

Kiosk: 11A

Professional Helpers: Parents with Cognitive Disabilities

Laura Hanson; University of Wisconsin, Stout

Kiosk: 45A

Social Perception of Qatari Women Marriage to Foreigners

Noora jobran; Qatar University

Kiosk: 45B

The Male Perspective on a Lasting Marriage

Amy Loberg, Ashley Glover; University of Wisconsin, Stout

Women and Gender Studies

Kiosk: 11B

Correlation between Rape in the American Armed Forces and the U.S. Judicial System and the Development of Rape Normalization in the U.S.

Kristina Soriano; Virginia Commonwealth University

SESSION 3

Anthropology & Archeology

Kiosk: 11C

Comparing Virulent Breast Cancer Types in Sub-Saharan African Women and Women of African Descent

Thomasina Watts; Indiana University-Purdue University Indianapolis

Kiosk: 45C

Here There Be Monsters

Dovie Jenkins; Wayne State University

Architecture & Interior Design

Kiosk: 3C

A Statistical Analysis of the Influences on Historical Property Ownership in Oklahoma

Jessica Sanders, Ariel Webb; University of Central Oklahoma

Kiosk: 12A

Redefining Ergonomics: Helping Students Achieve the Best

Christopher Wilson; Western Carolina University

Astronomy

Kiosk: 12B

Building a New Small Radio Telescope

Bryan Cardwell, Amy Damitz; North Central Col

Biochemistry

Kiosk: 1A

Effects of High Volume Pharmaceuticals on Arabidopsis thaliana

Michelle Storage; University of Wisconsin, Whitewater

Kiosk: 12C

Analysis of substrate binding and catalytic activity of phosphorylated Fyn mutants and wt Fyn

Giovanna Stein; Norwich University

Kiosk: 46B

Characterizing how annexin A1, A2, and dysferlin bind to and repair muscle membrane

Spencer Kruggel; University of Minnesota, Duluth

Kiosk: 46C

Development of a Protein-Based System for the Detection of Organophosphates Using the pH Dependence of Enhanced Green Fluorescent Protein

Ashlyn Henson; Appalachian State University



Poster Session 3

Kiosk: 47A

HDAC3 is Necessary for Thymopoiesis
Nicholas Klus; Sewanee

Kiosk: 47B

Interaction of RNA Binding Proteins with the Long-Noncoding RNA, SRA, an Estrogen Receptor Activator
Aaztli Coria; Maryville University Saint Louis

Kiosk: 47C

*Preparation of a Recombinant Enzyme of the Fungus *Phanerochaete chrysosporium* for the Breakdown of Agricultural Waste for Biofuel Production*
Joshua Thomas; Lubbock Christian University

Kiosk: 48A

The cardiovascular effect of Fgf23 in chronic kidney disease
Tyler Unsicker; Indiana University-Purdue University Indianapolis

Kiosk: 48B

Toward crystallizing proteins from NMDA receptor in complex with toxins from marine snails
Bianca Rich; University of Utah

Biological Engineering**Kiosk: 13A**

Calibration of a Spectroscopy Imaging System for Intraoperative Brain Tumor Demarcation
Lashawnta Goss; Florida International University

Kiosk: 13B

Development of Thin Film Barriers Using Circumallergenic Guayule Natural Rubber Latex
Spencer Gardner; Ohio State University

Kiosk: 48C

Optical Sprayer Nozzle Discharge Sensor
Luke Bryant; University of Kentucky

Biology**Kiosk: 13C**

A MATHEMATICAL MODELING AND SIMULATION OF BONE REMODELING CONTROL MECHANISM
Sobyuk Son, Sangil Yi, Jooyoung Lee, Youna Lee, Anna Kang; Minnesota State University, Mankato

Kiosk: 14A

Alleviation of Pain Associated with Disbudding
Amanda Mathias; Oklahoma State University

Kiosk: 14B

*Analyzing Rhythmic Gene Expression in the Embryonic Kidney and Eye of *Xenopus laevis**
Elizabeth Campbell; University of Wisconsin, Whitewater

Kiosk: 14C

Assessment of the Microbial Community in the Siem Reap River, Siem Reap, Cambodia.
Amanda Kutok, Minh Lam, Shelby Eanes; Bridgewater State University

Kiosk: 15A

Breast Cancer Cell Response to Telomere Loss
Teresa Paulsen; University of Utah

Kiosk: 49A

*Characterization of hAT Transposons in the *C. cinerea* genome*
Kendra Boyd; Roanoke College

Kiosk: 49B

Classification of Uncharacterized Zebrafish Genes Expressed in Kupffer's Vesicle
Krista Ellis; Longwood University

Kiosk: 49C

Conservation genetics of the black redhorse in northeast Iowa
Nicole Miller; University of Northern Iowa

Kiosk: 50A

*Effects of Acetaminophen, Caffeine, and Tetracycline on Photosystem II Activity in *Lemna minor**
Sarah McElligott; Kentucky Wesleyan College

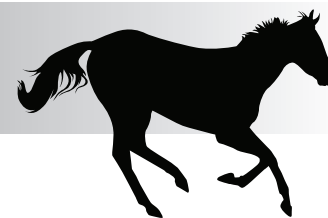
Kiosk: 50B

Erythropoietin Levels in Rats Exposed to Smoke and Exercise
Sarah Krause; University of Nebraska, Kearney

Kiosk: 50C

Examining the Relationship between Particulate Matter, Nitrogen Oxide, Carbon Oxides, Sulfur Dioxide and Hypertension in Urban Areas in India
Hiren Kolli; Virginia Commonwealth University

Poster Session 3

**Kiosk: 51A**

Identification of Lake Superior microbial communities through 16S rRNA sequencing
Sher Her; College of St Scholastica

Kiosk: 51B

Inbreeding Avoidance in N. Lecontei
Katherine Harper; University of Kentucky

Kiosk: 51C

Investigation of Ocean Sunfish, Mola mola, strandings on the shores of Cape Cod, MA.
Christine Fallon; Bridgewater State University

Kiosk: 52A

Micropropagation Studies of Calochortus Species
Maria Velasco; Utah Valley University

Kiosk: 52B

Nodulation of Invasive Vetch (Vicia sativa) by Rhizobia Isolated from Nodules of Native Vetch (Vicia americana)
Sydney Rausch; University of Wisconsin, Milwaukee

Kiosk: 52C

Potential use of Nonvisual Cues for Predation in Jackson's Chameleons
Randy Cheung, Alyssa Smith, Danielle Clark; SUNY Geneseo

Kiosk: 53A

Reflections of Dental Health at Medieval Polystylon: Contributions of Forensic Odontology
Jee Sun Kim, Jihyun Lim; Adelphi University

Kiosk: 53B

Seed characteristics of Schizachyrium scoparium (Poaceae) along geographical gradients
Elizabeth Marshall; University of Minnesota, Duluth

Kiosk: 53C

Sox11 Regulates Expression of Neurogenic Factors Involved in Retinal Cell Fate Specification
Mallika Gopalaiahgari; University of Kentucky

Kiosk: 54A

Temperature and LDH activity in the Atlantic killifish
Amanda Biederman; Salisbury University

Kiosk: 54B

THE EFFECTS OF MISFOLDED PROTEIN STRESS ON DIFFERENT CELL TYPES IN C. ELEGANS
Shvan Kareem; James Madison University

Kiosk: 54C

The Hunt for Agmatine Receptors on Macrophages
Jacelyn Peabody; Carthage College

Kiosk: 55A

The Role of DNMI in Mitochondrial Genome Stability in Budding Yeast
Amber Altrith; State University of New York, Brockport

Kiosk: 55B

The soil bacterium Lysinibacillus xylanilyticus blocks induction and improves spore germination in the homosporous fern Ceratopteris richardii
Haley Hallowell; Gannon University

Kiosk: 55C

Using the Brine Shrimp Test to Compare Acetogenin Activity in Twig and Ripe Fruit of Six Pawpaw [Asimina triloba (L.) Dunal] Varieties.
Rebecca Graves; Kentucky State University

Business/Finance/Accounting**Kiosk: 15B**

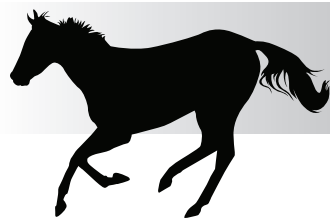
The Effects of Student Organizational Commitment on Withdrawal Cognitions at Wittenberg University
Megan Loofbourrow, Ana Paula Veiga; Wittenberg University

Cell & Molecular Biology**Kiosk: 15C**

Assessment of cellular toxicity of a potential immunoadjuvanticity of Phytanyl sulfate
Rin Reeves; Indiana State University

Kiosk: 16A

Effects of Treatments on Hepatocellular Carcinoma Growth
Zachary Howard; Northern Illinois University



Poster Session 3

Kiosk: 16B

Finding the PARP-etrator: An analysis of the roles of PARP and Caspase-3 in Retinoblastoma

Brittany Townley; Bridgewater State University

Kiosk: 16C

HISTONE MODIFICATIONS ARE ALTERED IN THE RENAL CORTEX OF VENTILATED PRETERM LAMBS

Adam Blair; University of Utah

Kiosk: 56A

Localization Studies of Uncharacterized Mitochondrial Protein SLC25A46

Andrew Mathison; University of Wisconsin, Whitewater

Kiosk: 56B

Murine myoblast transfected with VCP-R155H and VCP-A232E display sustained NF κ B nuclear localization after LPS treatment

Julio Flores; University of California - Merced

Kiosk: 56C

Role of proteasome-dependent degradation of Ephexin 5 in activity-induced spine formation

Sina Dadafarin; University of California, Davis

Kiosk: 57A

*The Effects of Geography and Disease Incidence on Mutation Rates of Chinese HIV-1 *vif* Genes*

Brittany Lawrence; Winthrop University

Kiosk: 57B

Tissue Freezing & Vibration

Matthew Welch, Fritz Stolle; Dominican University of California

Chemical Engineering**Kiosk: 1B**

Alternatives to Current Hydraulic Fracturing Fluid Systems

Joseph Gauthier; Ohio State University

Kiosk: 17A

Functionalized and Responsive Membranes for Toxic Metal Removal from Water

Joseph Papp; University of Kentucky

Chemistry**Kiosk: 17B**

A Green Synthesis of Halopyridine Bicycles Related to Phantasmidine

Anna Walls; Indiana State University

Kiosk: 17C

Aromatic-Aromatic Interactions of Complex Ions

Sheldon McLetchie; University of Kentucky

Kiosk: 18A

Cigarette Butt Eco-Toxicity in Vernal Ponds

Andrew Goblirsch, Trevor Bennin, Anthony Jones; Northland College

Kiosk: 18B

Development of an Undergraduate Chemistry Experiment Synthesizing CdTe and CdSe Quantum Dots and Fabricating a Working Solar Cell

Kathryn McHenry; Black Hills State University

Kiosk: 18C

Effects of Dissolution of Biomass in Ionic Liquids Using Direct Analysis in Real Time (DART) Mass Spectrometry

Casey Howdieshell; Eastern Kentucky University

Kiosk: 57C

Exploring Linker Length as a Method to Increase Protein-pPEGA Conjugation Yield

Peter Nauka; University of California, Los Angeles

Kiosk: 58A

Identification of Synthetic Organic Pigments in Works of Art

Samuel Peterson, Samuel Peterson; United States Naval Academy

Kiosk: 58B

Investigating the Electropolymerization of Ferritoporphyrin for Electrocatalytic Applications

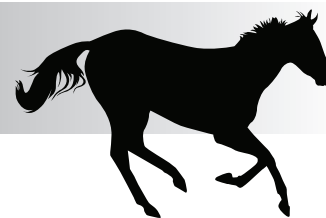
Chris Alverson; Penn State Erie, The Behrend College

Kiosk: 58C

NKU Fullerene Research: Continued innovations in the synthesis of novel ligands to connect fullerene and transition metal subunits for supramolecular applications

Zachary Ewing, Emma Jones, Corrine Basinger, Chad Beneker, Jessica Horn, Hanna Hearn; Northern Kentucky University

Poster Session 3

**Kiosk: 59A**

Optimization of the Suzuki polymerization reaction for thiophene-containing monomers with electron-deficient coupling partners

Ethan Hull; Appalachian State University

Kiosk: 59B

Principles of Bipolar Superposition

Dimitri Leggas; Western Kentucky University

Kiosk: 59C

REGIOSELECTIVE RING OPENING OF EPOXIDES WITH DILITHIUM TETRAHALOCUPRATES USING AQUEOUS AND SOLVENT-FREE CONDITIONS

Yolien Miranda-Alarcón; Fordham University

Kiosk: 60A

Study of the effects of chemical etchants on the quality of silver nanowires grown on periodically poled lithium niobate

Jade Snow; University of North Carolina, Asheville

Kiosk: 60B

Synthesis and Structural Characterization of Photochromic Platinum(II) Complexes

Mallory Prylinski; Penn State Erie, The Behrend College

Kiosk: 60C

Synthesis of novel tridentate ligands for use in targeted chemotherapeutic drug delivery mechanisms.

Carrie Black Johnson; Eastern Kentucky University

Kiosk: 61A

Teratology of Xanthine Derivatives

Catelyn Steinmueller; University of Wisconsin- River Falls

Kiosk: 61B

Time-dependent Chemical Modeling of Interstellar Nitrogen Bearing Organic Molecules

Allison Durr; Eastern Kentucky University

Communications**Kiosk: 19A**

Churning the Melting Pot: An Analysis of Immigration News Coverage in the U.S. Newspapers

Bryce Ricketts; Eastern Illinois University

Kiosk: 61C

Keeping Your Distance- The Effects of Clothing on Personal Space and Touch

Daniel Nelson; University of Wisconsin- River Falls

Computer Science**Kiosk: 19B**

A Genetic Algorithm for Evolving DNA Sequences

Kendra Klocke, Abby Lantzky, Kyle Reimers; Simpson College

Kiosk: 19C

Developing a Virtual Collator to Aid Scholarly Edition

Ryan Olivieri; Texas A&M University, College Station

Kiosk: 62A

Mining Force Fields Using Graph Embeddings

Radamés Vega-Alfaro; University of Puerto Rico at Humacao

Kiosk: 62B

Segmental overlay of the algorithms of the brain: A computational model of the visual system

Scott Boyd; Minnesota State University, Mankato

Kiosk: 62C

WEB-BASED MIDDLEWARE FOR PROTEIN ANNOTATION

Samuel Adeogun; Fisk University

Criminology**Kiosk: 20A**

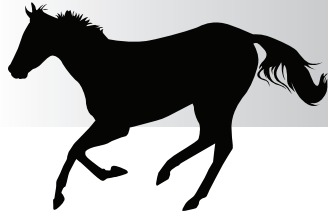
Police Corruption in South Africa and the United States: A Cross-Cultural Comparison

Mary Hughes; Western Carolina University

Dance**Kiosk: 1C**

Body Image and Eating Disorders in the World of Ballet

Lindsey Gasper; California University of Pennsylvania



Poster Session 3

Ecology & Organismal Biology

Kiosk: 20C

*Comparison of Ovitrap Types in Collecting Eggs of Mosquito Species *Oc. triseriatus*, *Oc. japonicus*, and *Ae. albopictus**
Sabrina Ferrara; Stonehill College

Kiosk: 21A

*Gene flow and Dispersal In Central U.S. Populations of *Canis latrans**
Robert Duncan; Maryville University Saint Louis

Kiosk: 63A

The effects of row covers on arthropod communities in a cucurbit agroecosystem
Sarah Barney; University of Kentucky

Economics

Kiosk: 21B

Banking Employment in the early Twenty-First Century: Regional Effects of Consolidation
Derrek Grunfelder-McCrank; University of Wisconsin, Whitewater

Kiosk: 21C

Foreign Direct Investment in the Middle East: Trends and the Effects of Regional Political Instability
Camille Ridgeway; University of Wisconsin, Milwaukee

Kiosk: 63B

The Financial Role of Agents in College Athletics and NCAA Sanctions
Matthew Seeman; Eastern Washington University

Education

Kiosk: 2A

Assessing Student's Learning Gains in General Education Science classes
Tyler Fabian; George Mason University

Kiosk: 22A

Conceptualizing Student Achievement and TFA Training: An Examination of Quantitative and Qualitative Aspects of Student Achievement; Experience, Discussion, and Reflection in Teacher Training
Courtney Hemker; Grinnell College

Kiosk: 22B

Gender Equity in University Students' Decision-Making on Teacher Evaluations in Dubai
Hamda Al Ansari; Zayed University

Kiosk: 22C

Preventative Programs for Bullying of LGBTQ Youth
Lauren NCUR® 2014 O'Hare; Capital University

Kiosk: 63C

THE IMPACT OF INTEGRATING SERVICE LEARNING IN AN ELEMENTARY SPECIAL EDUCATION CLASSROOM
Tori Lybbert; Weber State University

Electrical Engineering

Kiosk: 2B

Development of Low Cost, Efficient CZTS Thin Films and Solar Cells
Denzell Barnett; Berea College

Kiosk: 23A

Optoelectronic Properties of CVD grown MoS₂ Nanowalls
Ankit Sharma; University of Texas, Austin

Engineering/Engineering Technology

Kiosk: 2C

3D Print Construction: Researching and Modeling the Future of Construction
Ian White; Missouri Western State College

Kiosk: 23B

Comparison of Flexural Creep of Consumer and Industrial Grade 3D Printed Materials
Brandon Free; Miami University

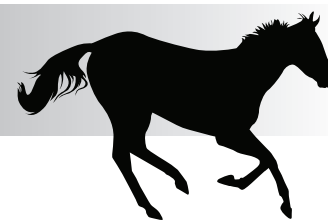
Kiosk: 64A

From Bolts to Bytes: Recreating the Physical Machinery
Jeremy Beale; University of Kentucky

Kiosk: 64B

Internship: Human Robotic Interaction: Are robots dangerous?
Nathaniel Nuttall; University of Central Lancashire

Poster Session 3



Kiosk: 64C

Orbit Determination Analysis Using Optical Sensor Measurements for a CubeSat Lunar Mission.
Savannah Medlar; Norwich University

Kiosk: 65A

The significance of debriefing in HRO through conceptual recurrence plots
Dong Yeob Kim, Sara Schumacher; Texas Tech University

English

Kiosk: 3A

Missing the Boat: International Law's Inadequacy to Protect and Defend the Rights of Seamen in Francisco Goldman's, The Ordinary Seaman
Constance Hackler; University of Florida

Environmental Studies & Sciences

Kiosk: 23C

Biosurfactants: A Greener Approach to Oil Remediation
Jessica Armstrong; Mercer University

Kiosk: 24A

Effects of Wetland Management on Carbon Storage in Soil
Jason Jung; University of the Pacific

Kiosk: 24B

Increasing Environmental Consciousness Through Motivational Factors
Haley Rabic; University of South Carolina

Kiosk: 65B

Nitrogen removal via denitrification in lotic ecosystems in Central Wisconsin
Bree Bender; University of Wisconsin, Stevens Point

Kiosk: 65C

Stand structure and composition in treatment areas following the 2012 Grand Fire
Gregory Black; Northern Arizona University

Kiosk: 66A

Usage and Excretion of ADHD and Anti-Depression Medications from College Students in Ithaca, NY
Kenneth Greiser; Ithaca College

Geography & Earth Sciences

Kiosk: 3B

A Synoptic-Dynamic Analysis of Cases of Major Underestimation of the Forecast Uncertainty
Carlee Loeser; Salisbury University

Kiosk: 24C

Experimental Study of Particle Settling Velocities
Wilmot Merchant, Marek Jendrassak; Coastal Carolina University

Kiosk: 25A

Origin of Methane and Other Hydrocarbons in Magmatic Systems
Cristian Virrueta; University of California, San Diego

Gerontology

Kiosk: 4A

Medical and Psychiatric Health Needs and Service Utilization of Older Homeless Veterans
LaDonna Gleason; University of South Florida

Health Sciences & Public Health

Kiosk: 25B

ACUTE EXERCISE ACTIVATES PULMONARY ENOS AND LOWERS PULMONARY PRESSURE IN RATS WITH PULMONARY ARTERIAL HYPERTENSION
Tsongai Chingombe; Indiana University-Purdue University Indianapolis

Kiosk: 25C

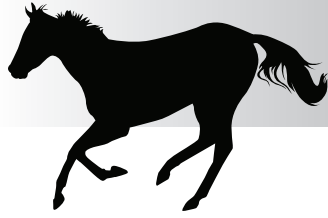
Body Image Perception in Adolescent Males
Jamie Erickson; University of Wisconsin, La Crosse

Kiosk: 26A

Efficacy of Inhaled Nitric Oxide (iNO) in the Treatment of Hypoxic Respiratory Failure in Neonates
Marissa Abbott; University of Rochester

Kiosk: 26B

Factors Influencing Educational Outcomes Among Adolescents in Northeast Peru
Anna Selby; University of Rochester



Poster Session 3

Kiosk: 26C

Multiple Dimensions of Fitness - Predictors of Bone Mineral Density in Middle-Aged Women

Brady Hansen; Weber State University

Kiosk: 66B

STEPS TO A HEALTHIER HEART: IMPROVING CHD KNOWLEDGE IN AFRICAN AMERICAN WOMEN

Tyrancia Spencer, Kayla Cummins; Winston-Salem State University

History**Kiosk: 4B**

Adaptation vs. Manipulation - A Comparative Study on the use of Environmental Warfare during the Korean and Vietnam Wars

Hannah James; Samford University

Kiosk: 27A

From College Girls to Housewives: Young Women's Role in Cold War Politics

Julie Travers; Wheaton College - Massachusetts

Kiosk: 27B

Using Preston's newspapers to understand Rural Lancashire 1840- 1900

Tyrone Moore; University of Central Lancashire

Interdisciplinary Studies**Kiosk: 4C**

Creation of kinetic model for learning gross anatomy
Erica Malone, Michelle Pine; Texas A&M University, College Station

Kiosk: 27C

The Effects of Classical Music on Perceived Stress and Physiologic Measures

Olivia Reininger; Gustavus Adolphus College

Kinesiology & Exercise Science**Kiosk: 5A**

Association between the level of physical activity and hemispheric motor lateralization in elderly

Jennifer Bambrough; University of Wisconsin, Milwaukee

Kiosk: 28A

Flexibility and range of motion improvements in older adults after completing a 12-week, progressive, interval exercise program

Luke Robertson, Zackary Duvall; Kentucky Wesleyan College

Kiosk: 28B

The Effect of Metronome Tempo Pacing on One-Mile Run, Team Sport Athletes

Grant Steine, Phillip Butler; Gustavus Adolphus College

Kiosk: 28C

The relationship between trunk power, rotation and muscle endurance

Grant Boggess; University of Kentucky

Linguistics & World Languages**Kiosk: 5B**

A natural contrast: NP parallelism in comparatives

Benjamin Lee; Morehead State University

Kiosk: 29A

Transfer from Second Language to Third Language: Role of Second Language in Third Language Acquisition

Chen Zhou; State University of New York, New Paltz

Literature**Kiosk: 5C**

A Comparative and Psychological Analysis of Breaking Bad
Joseph Morrell; Virginia Commonwealth University

Marketing**Kiosk: 6A**

Comparisons and Contrasts Between Marketing Techniques Used by the Tobacco Industry and Public Health Figures

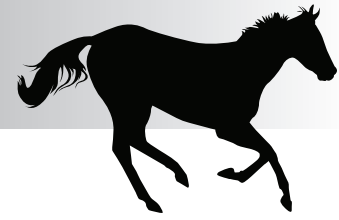
Dorothy Yen; Virginia Commonwealth University

Mathematics**Kiosk: 6B**

A Mathematical Model of HIV/AIDS with Stability Analysis

Shayla Nolen; Fisk University

Poster Session 3

**Kiosk: 29B**

Modeling the spread of white-nose syndrome in hibernating North American bats
Sarah Bogen; Capital University

Kiosk: 29C

Who Want to Play Sadisticube?
Danica Baker; Bridgewater State University

Media Studies**Kiosk: 6C**

What Moves the Millennials? The Effects of Different Forms of Media on International Political Knowledge and Interest
Jillian Laumbacher; North Central College

Microbiology & Immunology**Kiosk: 7A**

Antibiotic Resistance of Escherichia coli Isolated from the Feces of Playa Lake Resident Waterfowl
Sara McBride; Lubbock Christian University

Kiosk: 30A

Lymphocytes genetically engineered to express Anti-MAGE-A3 antigens provoke anti-propagating immune responses in malignant melanoma patients
Sarah Algino; Virginia Commonwealth University

Kiosk: 30B

The role of glutathione synthesis in the survival Group B Streptococcus post immunologically relevant oxidative stresses
Poojan Parikh; Saint Louis University

Music Research and/or Analysis**Kiosk: 7B**

A Review of Recordings in Suzuki Book 1
Ashley Hanke; University of Wisconsin, La Crosse

Neuroscience**Kiosk: 30C**

CHANGES IN EMPATHETIC REACTION IN RESPONSE TO MEDIA IN PRE-HEALTH STUDENTS AND HEALTH PROFESSIONALS
Max George, Lisa Hornsby; Weber State University

Kiosk: 31A

Effects of Orexin Receptor Antagonism on Drug- and Cue-Induced Methamphetamine Reinstatement (Relapse) in Adolescent and Adult Rats
Torie Lepak; University of Minnesota, Twin Cities

Kiosk: 31B

Intracranial Seizure Onset Zone Identification by Automated High-Frequency Oscillation Analysis in Patients with Intractable Epilepsy
Michelle Reed; University of Utah

Kiosk: 31C

Optimal Prediction of Moving Sound Source Direction in the Owl
Weston Cox; Seattle University

Kiosk: 32A

The Aryl Hydrocarbon Receptor and Notch Signaling Pathways Contribute to the Proliferation of Human Medulloblastoma Cells
Zachariah Adham; University of Rochester

Kiosk: 32B

The Role of Calpain 7 in Cell Death and Degeneration Following Traumatic Brain Injury/Spinal Cord Injury and other Neurological Diseases and Disorders
Sibi Rajendran; University of Kentucky

Nursing**Kiosk: 7C**

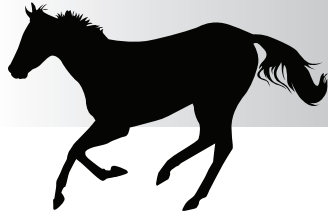
A Qualitative Study of Work Contextual Factors that Contribute to Nursing Work Demands.
Gagandeep Singh, Gagandeep Singh; Northern Illinois University

Kiosk: 32C

Can Self-Perceived Health Status Predict the Level of Distress in Cancer Inpatients?
Margaret von der Embse; Ohio State University

Kiosk: 33A

Examining Undergraduate Research Opportunities in Schools of Nursing
Rebecca Findle; University of Pittsburgh School of Nursing



Poster Session 3

Kiosk: 33B

GENE: Genetic Essentials in Undergraduate Nursing Education

Denzel Anderson, Rebecca Zobel, Marshall Pritchett, Elizabeth Hassen, Marshall Pritchett; Clemson University

Kiosk: 33C

Medication Regimen Complexity in Patients with Co-morbid Conditions

Leah Winner; University of Pittsburgh School of Nursing

Kiosk: 34A

Preparing the Future Workforce: A Pilot Survey of Hospital Nurse Leaders

Brooke North, Nicholas Jaeger; University of Wisconsin, Eau Claire

Kiosk: 34B

The Impact of Receiving Reiki on Nurses Compassion Fatigue and Compassion Satisfaction

Annetra Taylor; University of Louisville

Nutrition**Kiosk: 8A**

Cultural influence on meal composition and BMI

Ulrika Midner; Nicholls State University-All Departments

Philosophy & Ethics**Kiosk: 8B**

The Pro-Life and No-Kill Controversies in the United States: Religion and the Value of Fetuses and Pets

Michael Barber; Virginia Commonwealth University

Physics**Kiosk: 8C**

Analysis on Potential Multirefringent Properties Calcite

Vincent Caminiti; University of North Carolina, Asheville

Kiosk: 34C

HEATING EFFICIENCY OF NANOPARTICLES FOR MAGNETIC HYPERTHERMIA

Matthew Bausch; Elon University

Kiosk: 35A

Mu2e Extinction Monitor Testing at Fermilab

Ashlyn Shellito, Brandon Schabell; Northern Illinois University

Kiosk: 35B

Short Range Tests of Gravity

David Smith, Holly Leopardi, Crystal Cardenas, A. Conrad Harter; Humboldt State University

Kiosk: 35C

Wild Silk Based Biomaterials for Medical Applications

Justin Buchicchio; Rowan University

Physiology**Kiosk: 9A**

Coronary vascular function is improved in ischemic patients after continuous-flow left ventricular assist device implantation

Lance Deeter; University of Utah

Kiosk: 36A

Skeletal muscle deletion of Bmal1: potential for systems effects on molecular clock function

Alexander Christie; University of Kentucky

Poetry & Creative Writing**Kiosk: 9B**

Non Sequitur: A Screenplay of the Surreal

Shawn Reese; California University of Pennsylvania

Political Science**Kiosk: 9C**

College Basketball's Impact on Washington State Legislative Productivity

Joni Gall; Eastern Washington University

Kiosk: 36B

Disadvantage Deconstructed: African American Perceptions of Success Prospects

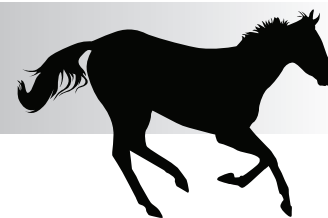
Szymon Kesek; North Central College

Kiosk: 36C

Privatize to Stabilize: The Commodification of Peace

Adam Ashley; University of West Georgia

Poster Session 3

**Kiosk: 37A**

UW-RF Security versus Privacy Survey 2013-2014
Arianna Pajtash, Andrew Trapp, Reven McGee; University of Wisconsin- River Falls

Psychology**Kiosk: 10A**

An examination of stigmatizing attitudes surrounding mental illness and psychological treatment
Jessica Petri; Xavier University

Kiosk: 37B

Autism Spectrum Disorders And Language Impairments: Evaluation Of The Framing Of Their Definitions And Assessment In DSM-5 And Tennessee DOE Criteria
Tiffany Anderson; Austin PEAY State University

Kiosk: 37C

Characteristics and Sequelae for Adolescents whose Pain is Dismissed by a Parent
Kathleen Bauer; University of Wisconsin, Milwaukee

Kiosk: 38A

Compassion Meditation Increases Positive Perceptions of Difficult People
Arpan Prabhu; University of Pittsburgh

Kiosk: 38B

Disparities in expectations in Newlyweds and how Relationship Education can Help.
Jeremy Kanter; University of Illinois at Urbana-Champaign

Kiosk: 38C

Effects of Religious/Spiritual Engagement, Coping, and Community Support on Academic Stress and Self-Efficacy
Brittany Sievers; University of Illinois at Springfield

Kiosk: 39A

Exploring Differences in Embodiment of Emotional Language Comprehension between Westernized Hmong and Non-Westernized Hmong
Mindy Thao; University of Wisconsin, Whitewater

Kiosk: 39B

Gender Differences in Risky Driving Behavior in Young Adults with ADHD
Allysun Sharp, Maureen Hayat; University of Kentucky

Kiosk: 39C

Identifying individual differences in cocaine addiction
Lucas Nyerges; University of Kentucky

Kiosk: 40A

Investigating the Effects of Choice on Writing with Students Receiving Extended School Year Services
Raechel Erdman; Minnesota State University, Mankato

Kiosk: 40B

Keep calm and cope on: How families cope with childhood cancer
Christine Czapek; Eastern Illinois University

Kiosk: 40C

Neural Basis of Value-Bases Learning and Decision Making
Evan Gennrich; University of Michigan

Kiosk: 41A

Parenting Stress Among Biological, Adoptive, Foster, and Guardian Parents of Children with Prenatal and/or Environmental Substance Exposure
Kristina Kochanova; Elmhurst College

Kiosk: 41B

Predictability, Deviance and Distraction: Does the Neural Model Represent Post-Categorical Features?
Christopher Thomas, Eleanor Wong; University of Central Lancashire

Kiosk: 41C

Regret vs. Disappointment across Decision-Making Styles
Chelsea Frank; Miami University

Kiosk: 42A

Sex Differences in Mate Preferences for Muscularity, Aerobic Fitness and Other Traits
Rachel Doerr, Thomas Alley; Clemson University

Kiosk: 42B

Strengthening the Ties That Bind: An Investigation Into the Effects of Mutual Religious Activities on Marital Relations
Kathryn Thompson, Field Smith, Sarah Solesbee; University of North Georgia



Poster Session 3-4

Kiosk: 42C

The Contribution of Peer Stress to Maladaptive Stress Responses and Depression: A Prospective Examination during the Transition to Adolescence

Zachariah Berry; Bethel University

Kiosk: 43A

The Effect of Random Context on Memory

Joseph DeAngelis; Rutgers, The State University of New Jersey, New Brunswick

Kiosk: 43B

The effects of school-based mental health programs on the prevalence and lifetime estimated use of alcohol and drug use in adolescents

Meagan Smith; Milligan College

Kiosk: 43C

The Misattribution of Attraction and Arousal: The Role of Gender

Elizabeth Ziemer, Josephine Dobson-Mann; St Norbert College

Kiosk: 44A

The relationship of social anxiety on social networking sites usage

Megan Hartz; Drexel University

Kiosk: 44B

Understanding Individual Differences in Conflict Management: How Optimism Influences Beliefs and Behavior

Raymond Haack; Elon University

Social Work**Kiosk: 10B**

"Treatment methods for female veterans with Post Traumatic Stress Disorder"

Julie Boucher; Bridgewater State University

Kiosk: 44C

Social Workers' Experiences Working in Hospice: A Mixed Methods Approach

April Unterberger; University of Wisconsin, Eau Claire

Sociology**Kiosk: 10C**

Authenticity, Older Adults, and Sexual Orientation: Implications for Mental Health

Marissa Rurka; Elon University

Kiosk: 45A

Sociology and Supplemental Instruction: Experience and Efficacy

Kyra Martinez, Elizabeth Richmond; Old Dominion University

Kiosk: 45B

The Prevalence of Cosmetic Surgery in Qatari Society

Reem Al-Kuwari; Qatar University

Sport Management**Kiosk: 11A**

Al Oliver: A Career Worthy of the Hall of Fame

Betsy Haugh; Marshall University

Women and Gender Studies**Kiosk: 11B**

Home Away from Home

Suzan Gingery; Westmoreland County Community College

SESSION 4**Anthropology & Archeology****Kiosk: 11C**

Comparison of Cranial Nonmetric Traits Between Five Mimbres Mortuary Sites

Desiree Haggberg; Hamline University, St. Paul

Kiosk: 45C

Historic Glassware: Material, Decoration, and Social Status

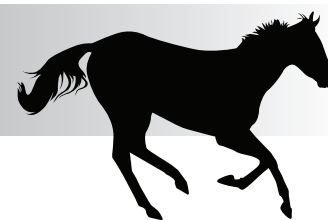
Melanie Lowrie; California University of Pennsylvania

Kiosk: 46A

The Analysis of Microartifacts to Evaluate the Diet and Cooking Techniques of Paleoindian and Archaic Age Inhabitants of the Dust Cave Archaeological Site in Alabama

Alessandra Daniel; Murray State University

Poster Session 4



Architecture & Interior Design

Kiosk: 12A

Satisfying the Social, Privacy, and Family Care Needs of Pediatric and Adolescent Young Adult Hematology- Oncology Patients

Brenna Murphy; University of Kentucky

Astronomy

Kiosk: 12B

Engineering a Research Grade Spectroscopic Instrument
Stephen Sheler; Marshall University

Biochemistry

Kiosk: 12C

Application of Statistical-Thermal Coupling Analysis to Identify Residue-Residue Interaction Networks that Facilitate Coupled-Domain Dynamics in E. coli Methionyl-tRNA Synthetase

Samuel Fehling, Alexander Strom; University of Wisconsin, Eau Claire

Kiosk: 46B

Characterizing the BACE protease family in order to study native and Alzheimer's disease amyloid pathways

Bryan Jensen; University of Minnesota, Duluth

Kiosk: 46C

Development of THAM-3PhG as a Novel Antibacterial Compound against Methicillin-Resistant Staphylococcus aureus

Michael Burt; Montana State University, Bozeman

Kiosk: 47A

HEDGEHOG SIGNALING IS IMPAIRED IN MUSCULAR DYSTROPHY AND CONTRIBUTES TO PATHOLOGY.

Samantha Devenport; Ohio State University

Kiosk: 47B

Internalization and Colocalization in Raft-Mediated Endocytosis

Cassandra Nyati; Suffolk County Community College

Kiosk: 47C

Purification and Characterization of 15N-labeled Desulfovibrio desulfuricans Flavodoxin in the Presence and Absence of Macromolecular Crowding Agents Using 2D and 3D 1H-15N NMR Spectroscopy

Luke Cotellessa; Adelphi University

Kiosk: 48A

The Effect of BPA on the Expression of Aromatase B
Sara Sobota; Minnesota State University, Mankato

Kiosk: 48B

Using a Library of Random Polypeptides to Rescue Essential Biological Functions in E. coli

Sarah Dremel; University of Minnesota, Twin Cities

Biological Engineering

Kiosk: 13A

Can Cells Solve Mazes? - Understanding Cell Responses to Wound Healing

Nora Hlavac, Sharon Olang, Elliott Mappus, Tyler Harvey; Clemson University

Biological Engineering

Kiosk: 13B

Electroencephalography and Hand Kinematics in a Reach-to-Grasp Task

Holly Thomas, Kristin Upah, Justin Keister, Nicholas Wilson, Dylan Beyhl; St. Ambrose University

Kiosk: 48C

Optimizing Elastomeric Heart Valves via Ceramic Particulate Reinforcement

Angie Estrada; Florida International University

Biology

Kiosk: 6C

Fish Trait Diversity in Shallow Water Habitats of a Large River

Andrea Swanson, Alyssa Vogt, Kayla Weihing, Sarah Steffen, Darellynn Oo; University of Wisconsin, Eau Claire



Poster Session 4

Kiosk: 13C

A PILOT STUDY: MACROALGAL PREFERENCES FOR Diadema antillarum ON THE MESOAMERICAN REEF IN ROATAN, HONDURAS
Clara Hernandez; McLennan Community College

Kiosk: 14A

Alpha Trait Diversity Along a Shade Gradient in Pine Barrens in Western Wisconsin
Zachary Nonn, Kate Beaton, Nathan Peterson; University of Wisconsin, Eau Claire

Kiosk: 14B

Analyzing the Role of Folic Acid in Male Fertility Due to Sperm Viability
Sarah Roberts; Virginia Commonwealth University

Kiosk: 14C

Association Mapping of Leaf Rust Resistance in Wild Barley
Margaret Krause; University of Minnesota, Twin Cities

Kiosk: 15A

Breast Satisfaction and Acceptance of Breast Augmentation
Kaitlyn Suda; University of Wisconsin, Stout

Kiosk: 49A

Characterization of Mouse Mammary Tumor Cells with Reduced Inflammatory Cytokine Receptor Expression
Iva Stojkowska; Boise State University

Kiosk: 49B

Cloning the Gene for Single Stranded DNA-binding Protein of Escherichia coli
Kelsey Pinkham; Bridgewater State University

Kiosk: 49C

Detection of Phorid Fly Parasite in Wisconsin Honey Bees
Samuel Barton, Zachary De Moulin, Kyle Karlen, Mark Martinez, Theodore Cummins; University of Wisconsin-River Falls

Kiosk: 50A

Effects of Fibrinolysis in Hibernating 13-lined Ground Squirrels
Brittany Lehrer; University of Wisconsin, La Crosse

Kiosk: 50B

Establishment of Ectopic Stem Cell Niches in Drosophila Testis
Aaron Fowler, Jiawei Zhao, Emma Holland; University of Kentucky

Kiosk: 50C

Exposure to Varying Concentrations of Folic Acid During Neurogenesis in Dorsal Root Ganglia
Maren Finsand, Mikayla Freese; University of Northern Iowa

Kiosk: 51A

Identification of the psbDII gene signal transduction pathway in S. Elongatus PCC 7942 by utilizing the codA and luxAB reporter gene and transposon mutagenesis.
Katherine Berman, Poonam Bhavsar; Drexel University

Kiosk: 51B

Initial Selection of Humulus lupulus L. for a Long-Term Breeding Program
Joshua Havill; University of Minnesota, Twin Cities

Kiosk: 51C

JNK activity is required for spindle organization and chromosome separation in sea urchin embryonic development
Danielle Ditty, Hillary Martin; Susquehanna University

Kiosk: 52A

miRNome functional analyses reveal complex miRNA-mediated regulatory effects on class-specific dendritic architecture.
Francis Aguisanda; George Mason University

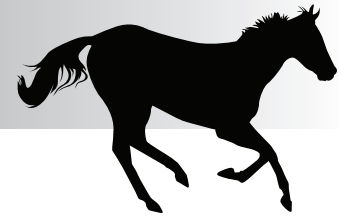
Kiosk: 52B

Occurrence of Multiple Antibiotic Resistant Bacteria in Aquatic Environments in Central Minnesota.
Megan Bollin; College of Saint Benedict

Kiosk: 52C

Pre-exposure to salinity stress in Zea Mays increases expression of ZmERD4 and ZmbZIP60 genes in subsequent stresses
Josephine Slater; Hamline University, St. Paul

Poster Session 4

**Kiosk: 53A**

RELATIVE IRON CONCENTRATIONS IN THE LEAVES OF CHAMAESYCE MULTIFORMIS (EUPHORBIACEAE), A TRADITIONALLY USED ENDEMIC HAWAIIAN MEDICINAL PLANT

Maria Petelo, Lindsey Watanabe; Kapiolani Community College

Kiosk: 53B

*Several Lines of Evidence Identify *edn3* as the Gene for the white *Axolotl* Mutant*

Naomi Hayes; University of Kentucky

Kiosk: 53C

Sox4 affects expression of rod lineage genes in the zebrafish retina

Joanna Ng; University of Kentucky

Kiosk: 54A

Temporal changes in diversity and activity patterns of terrestrial vertebrates in central PA: Phase 1

Anneliese Himmel; Susquehanna University

Kiosk: 54B

*The effects of short-term exposure of naproxen on *Xenopus laevis* tadpoles*

Aaron Patterson, Jake Litmer, Lakeisha Crouch; Xavier University

Kiosk: 54C

The Influence of Different Reclamation Phases on Distribution of Frogs at The Wilds

YUHYUN SHIN; Ohio State University

Kiosk: 55A

The Role of FOXM1 In Multiple Myeloma

Jehnae Linkins; Lincoln University

Kiosk: 55B

The toxic effects on the liver and kidney of administering an analgesic (acetaminophen) and a drug to treat obesity-related diabetes (metformin) to dietary-induced obese male mice (C57BL/6J).

Quinn Hofmann, Yuko Nakamura, Sara Sobota; Minnesota State University, Mankato

Kiosk: 55C

Using the RbcL Gene and DNA Barcoding Techniques to Identify Members of the Cactaceae Family

Lillian Sanders; Ouachita Baptist University

Business/Finance/Accounting**Kiosk: 15B**

Value Congruence: Is Organizational Ownership Type a Moderator

Ian Hopkins; Eastern Kentucky University

Cell & Molecular Biology**Kiosk: 15C**

Catabolism of D- and L-amino acids by rhizosphere-dwelling bacteria

Katlyn McNeill; University of Kentucky

Kiosk: 16A

Electron Tomographic Analysis of the Lipid Droplet-Mitochondrial Interface in Cardiomyocytes

Fariha Ghazi; Wayne State University

Kiosk: 16B

*Fluorescent Imaging of *Rhizoctonia solani* Isolate Strain ToM7 Hyphae Anastomosis*

Robert Connacher; Indiana University of Pennsylvania

Kiosk: 16C

Identification of the Gene "Eyeless"

Gareth Voss; University of Kentucky

Kiosk: 56A

Localization Studies of Uncharacterized Mitochondrial Protein SLOWMO1.

Michael Olson; University of Wisconsin, Whitewater

Kiosk: 56B

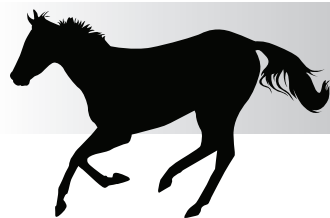
New Imaging Method to Detect Structural Chromosomal Abnormalities in Acute Myeloid Leukemia

Hillary Figler; University of Rochester

Kiosk: 56C

Role of Rho GEFs in regulating the epithelial-mesenchymal transition during gastrulation in chicken embryos

Ben Van Maren; University of Arizona



Poster Session 4

Kiosk: 57A

The Effects of Host and Viral ssDNA-Binding Protein Overexpression on Viral Propagation
Thomas Cole; Bridgewater State University

Kiosk: 57B

*Tracking Pairing and Compaction of Meiotic Chromosomes Using Fluorescence Microscopy in *Saccharomyces cerevisiae**
Tomás Rodríguez; University of California, Davis

Chemical Engineering**Kiosk: 17A**

In vitro study of Inhalable Anti-tumor nanoparticles for the treatment of lung cancer
Shuo Tang, Nathanael Stocke, Zach Hilt; University of Kentucky

Chemistry**Kiosk: 17B**

A New General and Practical Method for the Deprotection
Reatna Taylor; Johnson C Smith University

Kiosk: 17C

Assessing the Toxicity of Synthesized Nanomaterials
Tayler Ripley; Black Hills State University

Kiosk: 18A

Co-crystals of 1,3-dinitrobenzene and 10-methylphenothiazine: implications for detecting explosives
Mirza Beg; University of Alabama

Kiosk: 18B

Development of Copper-Catalyzed Reactions Driven by Light for Chiral Molecule Synthesis
Matthew Wilen; Black Hills State University

Kiosk: 18C

*Effects of Environmental Pollutants on Endophytes in *Rumex crispus**
Yonic Michaca, Yonic Michaca, Lincoln Trunnell; Utah Valley University

Kiosk: 57C

Exploring Methods of Fingerprint Enhancement for Forensic Applications
Connor Smith; Eastern Kentucky University

Kiosk: 58A

Improved Synthesis of 3-aryl-4,5-dihydro-1H-pyrazoles
Kenneth Stanitis; West Chester University

Kiosk: 58B

Investigation of the Unusual Metal Dependency of Peptide Deformylase Using Zn(II) and Cd(II) Synthetic Model Complexes
Martin Garcia-Chavez; Manchester University

Kiosk: 58C

NKU Fullerene Research: Initial efforts for solar cell production using fullerene-transition metal systems as sensitizers
Hannah Hearn; Northern Kentucky University

Kiosk: 59A

Phospholipids, Dietary Supplements, and Chicken Eggs: A Guided Inquiry-Based Exercise Using Thin Layer Chromatography
Sara Potteiger; King's College

Kiosk: 59B

Progress Towards the Synthesis of Piperodione
Patrick Nordeen; University of Wisconsin- River Falls

Kiosk: 59C

Silver Nanoparticle Synthesis: Different Core Morphologies
Matthew Styles; University of Minnesota, Twin Cities

Kiosk: 60A

Summertime measurements of non-methane hydrocarbons in rural western North Carolina
Ryan Cook; Appalachian State University

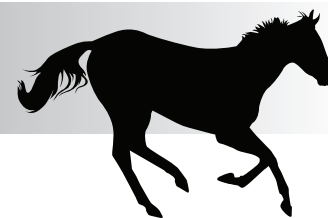
Kiosk: 60B

Synthesis of "clip" molecules involving Diels-Alder reaction of dienes with electron-withdrawing/donating groups
Zachary Price; Eastern Illinois University

Kiosk: 60C

Synthesis of Photocleavable Molecules for Surface Modification
Bryan Ingoglia; University of Kentucky

Poster Session 4



Kiosk: 61A

The Acid Mitigation Planning and Results of Two Appalachian Highland Streams
Lindsay House; James Madison University

Kiosk: 61B

Trace metal analysis of bone ash, Portland cement, and human cremated remains by ICP-AES.
Kelsey Sparks; Thomas More College

Communications

Kiosk: 19A

Cultural Storytelling and Happiness
Sarah Manke; Hope College

Kiosk: 61C

Lay Information Medialy Behavior (LIMB) of UW-Whitewater Students
Sydney Sipos; University of Wisconsin, Whitewater

Computer Science

Kiosk: 19B

A Research and Training System for Young Children with Severe Motor Impairments
Sean Smith, Wenxi Zeng; University of Central Oklahoma

Kiosk: 19C

Development of an Android based Cellbot using Arduino Microcontrollers
Donald Buhl-Brown; Austin PEAY State University

Kiosk: 62A

Mitigating Hijack Security Risks of QR Code Redirection for Mobile Device User
Brian Dunn; University of Wisconsin, Whitewater

Kiosk: 62B

Specifying Melodic Features for Jazz and Swing Melody Evaluation
Malcolm Williams; Howard University

Kiosk: 62C

What's 'APPening? A Critical Review of Math Apps on Selected Tablet: Microsoft Surface Pro
Zanier Fuller; Johnson C Smith University

Criminology

Kiosk: 20A

The Impact of Privatizing and Closing of Youth Centers on Youth Workers and Youth Community Members: A Qualitative Exploration
Taty Benson; Hamline University, St. Paul

Diversity Studies

Kiosk: 20B

What Motivates Hmong Students To Obtain a College Degree
Gaozong Her; University of Wisconsin- River Falls

Ecology & Organismal Biology

Kiosk: 20C

*Coral Growth under Thermal Stress and Different Levels of Light Intensity in *Acropora aspera*.*
Devan Klein, Mary Barana, Leeanne Obilor; Dominican University of California

Kiosk: 21A

*Genetic Relatedness among Maternity Colonies of Big brown Bats (*Eptesicus fuscus*) in Flagstaff: Implications for Disease Transmission*
Cami Platts; Northern Arizona University

Kiosk: 63A

*The role of the Asian elephant (*Elephas maximus*) as a potential seed disperser for anachronistic fruit like the American persimmon (*Diospyros virginiana*)*
Madison Boone; Hendrix College

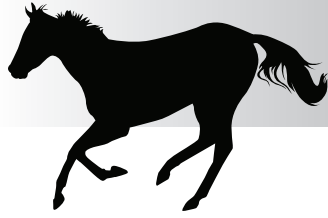
Economics

Kiosk: 1A

Ending Poverty in Newark: Social Entrepreneurship and the Transition to Service-Based Economy
Junyi Cui; Denison University

Kiosk: 21B

Civil Conflict, Education, and Child Labor: A Look at Afghanistan
Elena Ramirez; Salisbury University



Poster Session 4

Kiosk: 21C

Impact of Reshoring on the U.S. Economy

Samantha Wieczorek; University of Wisconsin, Stout

Kiosk: 63B

The Modern Sino-Industrial Revolution: What the US Industrial Revolution can tell us about China's future

Leon Jia; Virginia Commonwealth University

Education**Kiosk: 1B**

Chicago Public School Disparities as Relating to Ineffective Budgetary Allocation and Discriminative Education Policy

Allison Clark; Loyola University Chicago

Kiosk: 22A

Content Analysis of Mission and Value Statements From Accredited School Counseling Programs

Lauren Mahan; Old Dominion University

Kiosk: 22B

Giving voice to the voiceless: The Advocacy of Eunice Kennedy Shriver

Lianna Lazur; The College of New Jersey

Kiosk: 22C

Race-Segregated Schooling and Mathematics Self-Efficacy Among African American Boys

Akia Jones, Taliesha Ross, Amanda Butz, Ellen Usher; University of Kentucky

Kiosk: 67A

Sources of Mathematics Self-Efficacy in Non-Rural and Rural Contexts

Chelsea Adams, Chelsea Adams, Brianna McCrea; University of Kentucky

Electrical Engineering**Kiosk: 23A**

Photoresponse of Self-Switching Nano-Diodes

Elizabeth Bradley; University of Rochester

Engineering/Engineering Technology**Kiosk: 2C**

3D Printing of Stainless Steel for Engineering Applications

Michael Doyle; Minnesota State University, Mankato

Kiosk: 23B

Computation of the Steady Aerodynamic Performance of a Transonic Compressor Blade in Stalled and Unstalled Flow

Chuyoung Kim; University of Kentucky

Kiosk: 64A

Getting Rich on Fast Fuel

Matthew Brockbank; Utah Valley University

Kiosk: 64B

Microexplosive Combustion Behavior of Soybean Oil and Butanol Mixtures

Joel Braden; University of Minnesota, Duluth

Kiosk: 64C

Overlooked Daily Energy Waste

Stephen Kuluris, Nathan Crowell, Leah Richardson; Northern Arizona University

Kiosk: 65A

Thermal Properties Measurement of Surrogate Nuclear Fuel Compacts Using the 3-Omega Technique

Levi Gardner; Utah State University

English**Kiosk: 3A**

Staging and Gender in Shakespeare's Richard II and The Merchant of Venice

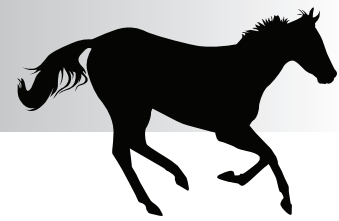
Jamie Mallette; City College of New York

Environmental Studies & Sciences**Kiosk: 23C**

Chemical Monitoring of a Mountain Headwater Stream Impacted by Urbanization in Western North Carolina

Barbara Hobbs; Appalachian State University

Poster Session 4

**Kiosk: 24A**

Elemental Analysis of Soils and their Chemical Impact on Macon, Georgia Neighborhoods
Ishika Patel; Mercer University

Kiosk: 24B

Investigating the effect of noisy permeability distributions on hyporheic flow
Mitchell Godfrey; St. Ambrose University

Kiosk: 65B

Phytoremediation of heavy metals in a stormwater remediation wetland
Ashby Gale; Appalachian State University

Kiosk: 65C

Strategic Decommissioning of Coal Power Plants in Illinois
Ember McCoy; Carthage College

Geography & Earth Sciences**Kiosk: 3B**

Assessment of Evaporation Duct Models as a Source of Uncertainty in Radar Wave Propagation Simulations
Nathaniel Grimes; Coastal Carolina University

Kiosk: 24C

Geochemical Analysis and Diatom Assemblages of International Paper Holding Pond in Terre Haute, Indiana
Kevin Hardin; Indiana State University

Kiosk: 25A

Paleoenvironmental Study of Late Holocene, Organic-Rich Deposits Recovered from Pink Beds, A Southern Appalachian Wetland in Western NC
Michele Coker; Western Carolina University

Health Sciences & Public Health**Kiosk: 4A**

Evaluating Immunohistochemistry Techniques Within Breast Cancer Pathology
Chelsey Kamson; University of California, San Diego

Kiosk: 25B

Acute UCL Injury in Collegiate Quarterback
John Loehner; Ithaca College

Kiosk: 25C

Comparing Two Methods for Detection of Sepsis Pathogens: Roll Plate and Direct RT-PCR
Linda Arrabi; Wayne State University

Kiosk: 26A

ELSI Concerns of Participants and Decliners in the MedSeq Project, A Randomized Trial of Whole Genome Sequencing
Thomas Carroll; Rice University

Kiosk: 26B

Fall Protection in Roofing Industries
Brandon Zimmerman, Weston Klink; University of Wisconsin, Whitewater

Kiosk: 26C

Osteochondroma of the Distal Tibia in College Ballet Dancer
Jenna Neumann; Western Carolina University

Kiosk: 66A

Primary Drinking Location & Amount of Alcohol Consumed
Gregory Bourn; Miami University

Kiosk: 66B

The association of a variant in the IRF7 locus in systemic lupus erythematosus (SLE)
Rena Ryumae; Western Kentucky University

History**Kiosk: 4B**

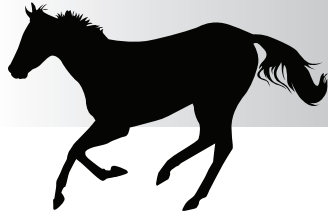
Black Feet, Red Sand, and Greener Grass: Losing French Algeria Amidst Metropolitan and Settler Conflict
Joshua Duncan; Carthage College

Kiosk: 27A

Integration Before Integration: How World War II Exploded Diversity in Baseball
Bill Getschman; Hope College

Kiosk: 27B

Voltaire and the Enlightenment Response to Superstition
Jordan Greene; Elon University



Poster Session 4

Interdisciplinary Studies

Kiosk: 4C

Elementary Students' Strategies for Solving Visual Logic Tasks
Camille Schulman; Bridgewater State University

Kinesiology & Exercise Science

Kiosk: 5A

*Can we predict preferred walking pace based on mood?:
Examining a dual-valence model of affect.*
Annie Shreckhise, Annaliese LaDuke; Roanoke College

Kiosk: 27C

*Development of a RPE-based Submaximal Oxygen
Consumption Test Using Total Body Recumbent Stepper in
Spinal Cord Injury*
Jeffrey Manning; University of Louisville

Kiosk: 28A

Gender and BAC: A Predictor of Risky Behavior?
Madeline McDonough; Miami University

Kiosk: 28B

*The Effects Of Barefoot Running Versus Shod Running On
Mile Time*
Cassie Rogness; Gustavus Adolphus College

Kiosk: 28C

Underwater Treadmill Exercise in Adults with Osteoarthritis
Kristin Walker, Cade Walker; Utah State University

Linguistics & World Languages

Kiosk: 5B

Accents influence attachment through focus
Dallas Cox; Morehead State University

Kiosk: 29A

Where's the contrast in 'let-alone' structures?
Megan Ison; Morehead State University

Literature

Kiosk: 5C

*Janteloven and Social Conformity in Thorbørn Egner's
Literature*
Ellen Ahlness; Minnesota State University, Mankato

Marketing

Kiosk: 6A

Branding of Higher Education
Nicole Jakobsze; North Central College

Mathematics

Kiosk: 6B

*Accounting for the geometry of a leaf when considering its
radial and axial conductances*
Cullen Faulwell; Occidental College-

Kiosk: 29B

Modelling the Spread of Cholera
Ben DeVries; Dordt College

Microbiology & Immunology

Kiosk: 7A

*Aromatic Essential Oils as Antifungal Agent Against
Aspergillus Species in Georgia Peanuts*
Reesheda Gilbert; Kennesaw State University

Kiosk: 29C

*Effects of Citric Acid and Sodium Lauryl Sulfate on
Bacteriophages*
Elizabeth Mitchell, Heather Ruck; Rockhurst University

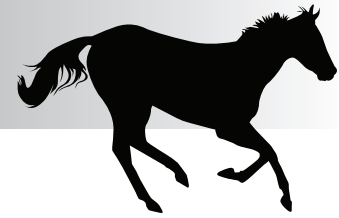
Kiosk: 30A

*Natural Transformation of Commensal Neisseria species is
DNA Uptake Sequence Dependent*
Armando Bosch; Transylvania University

Kiosk: 30B

The Role of Inflammatory Cytokines in Glioma Progression
Rohit Anand; Wayne State University

Poster Session 4



Music Research and/or Analysis

Kiosk: 7B

Bridging the Gap: Popular Music in the Middle School Music Classroom

Lindsay Shank; University of Wisconsin, Whitewater

Neuroscience

Kiosk: 2B

Transmitters and second messengers involved in Drosophila melanogaster habituation to tactile stimuli

Stephanie Biecker; University of Kentucky

Kiosk: 30C

Characterizing Microglia in Transgenic Lines

Brittany Hopkins; University of Rochester

Kiosk: 31A

Effects of stretch stimuli on the nonspiking (NS) and touch (T) cells of the leech

Jason Kim; Emory University

Kiosk: 31B

ION DYNAMICS IN EPILEPTIC STATES

Thao-Chi Vo; George Mason University

Kiosk: 31C

Overcoming Fear: The effect of anxiolytic medication administration on interval timing distracters

Chance Christensen, Alexander Matthews; Utah State University

Kiosk: 32A

THE ASSOCIATION BETWEEN THE SEROTONIN TRANSPORTER PROMOTER REGION POLYMORPHISM, HARM AVOIDANCE, AND AGGRESSIVE BEHAVIOR

Daniel Linford; Weber State University

Kiosk: 32B

The role of Toll-Like Receptor 2 (TLR2) in macrophage activation

Kyeong Ran Jang; University of Kentucky

Nursing

Kiosk: 7C

A Team-based Approach to Internet Ethnography: Evaluating Community Needs in South Sudan, Central Africa

Lakesa Williams, Clara Dalton, Michael Short, Marian Gemender; Old Dominion University

Kiosk: 32C

Comparison of Pregnancy Health Information Needs, Barriers, and Information-seeking Behaviors Between First-time and Non-first-time Pregnant Women

Kelli Johnson; Indiana University-Purdue University Indianapolis

Kiosk: 33A

Exploring Pregnancy Anxiety of Women Pregnant After Loss Through Their Journal Entries

Sarah Moore; University of North Carolina, Greensboro

Kiosk: 33B

Geographic Access to Breast Cancer Screening Facilities Among African American Women in Southeastern Wisconsin

Keighla Mueller, Anna Conroy, Paulina Santos; University of Wisconsin, Milwaukee

Kiosk: 33C

Mixed Method Analysis of Post-Operative Dementia Symptoms

Cassara Harmelink; University of Minnesota, Twin Cities

Kiosk: 34A

Primary Care Patients who Complete Colonoscopy after Referral and Those Who Do Not: Are they Different?

Kemi Olofinkua; Indiana University-Purdue University Indianapolis

Kiosk: 34B

The Importance of Interprofessional Education from a First Year Health Student Perspective

Marianne McCoy, Rosemary Hoffmann; University of Pittsburgh School of Nursing

Nutrition

Kiosk: 8A

Does Context Explain Inabilities to Identify Physical Hunger Among Obese Women?

Aalia Farukhi; University of Houston



Poster Session 4

Philosophy & Ethics

Kiosk: 8B

The Trolley Problem Through the Eyes of Philosophers
Katie Liebel; California University of Pennsylvania

Physics

Kiosk: 8C

Building a Straw Detector for the g-2 Muon Experiment
Octavio Escalante-Aguirre; Northern Illinois University

Kiosk: 34C

Investigating the Efficiency of Solar Cells at High Altitudes Using a Weather Balloon
Rebecca Holzer; University of Wisconsin, Whitewater

Kiosk: 35A

Nanomorphological study of polymer bulk heterojunction used in flexible solar cell devices.
Gabriel Calderón-Ortiz, Gabriel Calderon; University of Puerto Rico at Humacao

Kiosk: 35B

Simulation of Dark Matter Wakes
Christian Horst; North Central College

Physiology

Kiosk: 3C

The effects of combined modulators on Drosophila melanogaster heart physiology: dopamine, octopamine and serotonin
MADISON VAUGHN, KAYLA KING, ZANA MAJEED, JOSH TITLOW, CLARA DE CASTRO; University of Kentucky

Kiosk: 9A

Effect of Cardiac troponin I degradation on force and power output in human heart failure
Byron Hempel; University of Kentucky

Kiosk: 35C

Liquid Courage
Aaliyah Thompson, Isaiah Stewart; Miami University

Kiosk: 36A

Teaching Heart Electrical Function to Second Grade Students
Emily Barrett, Breanna Fagg; Indiana State University

Poetry & Creative Writing

Kiosk: 9B

The Healing Power of Narrative Medicine: Aiding Adults in Aging Creatively
Tayla Curran; High Point University

Political Science

Kiosk: 36B

Distracted into Destruction: The effects of Distracting Political Advertisements on Candidate Quality and "Correct Voting" and its Corruption of the Electoral Process
Sara Yeganeh; Lafayette College

Kiosk: 36C

Personal Roots of Representation: Applying Burden's Model to Female Leaders in State Legislatures
Lindsey Juszczak; Eastern Illinois University

Kiosk: 37A

Youth and Political Motivation
John Proffitt; Eastern Illinois University

Psychology

Kiosk: 1C

I was Just Joking!: Humor Decreases Perceptions of Sexism
Sophia Smith; Loyola University Chicago

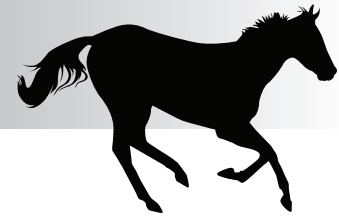
Kiosk: 2A

Infant Cognitive Development and PsychoPhysiological Measures
Cydney Stein; Loyola University Chicago

Kiosk: 9C

Predicting Adolescent Risky Behavior From Childhood Social Preference
Mary Moussa; University of North Carolina, Greensboro

Poster Session 4

**Kiosk: 10A**

Analysis of Van Gogh's Portraits Through Brushstrokes and Emotions

Ria Koukoulis; Adelphi University

Kiosk: 37B

Availability of Recovery Programs for Human Trafficking Victims

Rebecca Oswalt; Wittenberg University

Kiosk: 37C

Child Abuse as a Potential Cause of Schizophrenia: A Meta-Analysis

Faith VanMeter; University of Kentucky

Kiosk: 38A

Concealment and Disclosure: Exploring Secret Keeping Decisions

Valerie Provenza; Wells College

Kiosk: 38B

Distinguishing between Risk Factors for Aggression Perpetration, and Victimization in Adolescent Dating Relationships

Ericka Daniels; Marquette University

Kiosk: 38C

Effects of syllabus elements on student perceptions of professor trustworthiness

Hannah Ramsey, Aaron Caplan; Longwood University

Kiosk: 39A

Exploring Effects of Facial Fatigue on Emotional Language Comprehension

Thomas Haasl; University of Wisconsin, Whitewater

Kiosk: 39B

Gender Differences in the Association Between Negative Affect and ADHD Symptoms in Young Adults

Damon Tichenor, Samantha Mink; University of Kentucky

Kiosk: 39C

Impact of Threat Level in Stalking Cases on Juror Perceptions in the Courtroom

Casey Magyarics; University of Kentucky

Kiosk: 40A

Investigating the Role of Conservatism in Brand Preferences

Samuel Minor, Julia Chous, Coleman Sandstrom; University of Wisconsin- River Falls

Kiosk: 40B

Learning styles and their Effect on Working Memory

Nicole Lee, Mark Ivey; Capital University

Kiosk: 40C

Once a Pun a Time: Effects of Context and Individual Differences on Reactions to Puns and Punsters

Brandon Payne, Alison Yeager, Charles Hoogland, Richard Smith; University of Kentucky

Kiosk: 41A

Pathways to Young Adulthood Status Attainment: The Longitudinal Influence of Future Aspirations and Social Capital

Ariel Smith; George Mason University

Kiosk: 41B

Prediction of Emotional Changes While Reading a Short Story

Kirsten Bushman; North Central College

Kiosk: 41C

Relations of Parent Reported Attention Problems to a Lab-Based Inhibition Task in Young Children with Neurofibromatosis-1

Kathleen Bauer; University of Wisconsin, Milwaukee

Kiosk: 42A

Sex Differences in the Association Between Positive Affect and ADHD Symptoms in Young Adults

Samantha Mink, Damon Tichenor; University of Kentucky

Kiosk: 42B

Stress in the Life of a College Student

Cody Dirksen, Cody Dirksen; University of Minnesota, Duluth

Kiosk: 42C

The correlation between young adults with Attention-Deficit/Hyperactive Disorder symptoms and their associations with delinquent peers.

Aaron Barr; University of Kentucky



Poster Session 4-5

Kiosk: 43A

The Effect of Type of Abuse on Repressed Memory in the Courtroom

Ashlyn Rice; University of Kentucky

Kiosk: 43B

The Effects of Sleep Deprivation on Moods As Seen in a Group of College Freshmen

Jamie Haydock; Dominican University of California

Kiosk: 43C

The moderating role of acquired capability for suicide in the relationship between stoicism and over-exercise

Aimee Yeager; Miami University

Kiosk: 44A

*THE SEROTONIN TRANSPORTER GENE
POLYMORPHISM AS A PREDICTOR OF NOVELTY
SEEKING, SMOKING BEHAVIOR, AND COGNITIVE
ASSESSMENT OF RISK*

Houda Nizam; Weber State University

Kiosk: 44B

Valproic Acid Reduces Amphetamine Sensitivity in Anxious Rats

Vanessa Romero; University of Massachusetts

Kiosk: 66C

*Drawing for 15 Minutes Prior to a Police Lineup
Identification Task May Enhance Eyewitness Accuracy*

Kaitlin Schneider; Black Hills State University

Social Work**Kiosk: 10B**

*“Examining the Relationship between Community
Involvement and Drug Use among Rural Women Offenders”*

Breonna Douglas; University of Kentucky

Kiosk: 44C

*The “Dream” for Undocumented Students of Pursuing Higher
Education*

Carolyn Egan; University of Wisconsin, Eau Claire

Sociology**Kiosk: 10C**

*Celtic Tradition: The Understanding and Interpretation of
Celtic Symbol and Myth in the Contemporary United States*

Melanie Johnson; Indiana State University

Kiosk: 45B

*The Public Health Implications of Contraceptive Choices to
Discontinue Reproduction*

Nicole Panaggio; Elon University

Sustainability**Kiosk: 11A**

*Augmenting Electricity Output of Ellipticals through
Behavioral Change*

Adam Hancock; University of Kentucky

Women and Gender Studies**Kiosk: 11B**

*Yoga and Mindfulness Meditation: Effects on Post Traumatic
Stress Disorder and Drug and Alcohol Addiction Treatment*

Bailee Nebeker; Eastern Washington University

SESSION 5**African American Studies****Kiosk: 11B**

*Parents’ Perspectives on African American Boys and
Academic Achievement*

Rachel Johnson; University of Wisconsin, Milwaukee

Anthropology & Archeology**Kiosk: 11C**

*Egyptian Paleolithic Stone Tools at the University of
Kentucky*

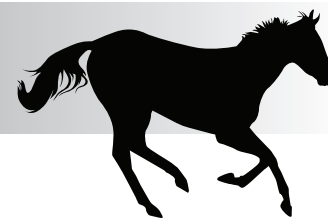
Krsten Bhattacharyya; University of Kentucky

Kiosk: 45C

Identification of Paleo-Indian Hearth Features

Jeffrey Johnson, Adam Calkins; Eastern Washington
University

Poster Session 5

**Kiosk: 46A**

The Forgotten Dictatorship: A Collection of Oral Histories Concerning the Trujillo Regime
Anastashia Cuddihy; George Mason University

Architecture & Interior Design**Kiosk: 12A**

Social Public Housing that uses Interior Design to Evoke Psychological Ownership and Maintenance
Annaliese Loxley; University of Kentucky

Art History**Kiosk: 3C**

An exploration into the obsolete: the resurgence of the letterpress in the digital age
David Baker, Gary Josebeck; Westmoreland County Community College

Astronomy**Kiosk: 12B**

Re-analyzing Archival Data of Spectroscopic Binary Systems
Taylor Seitz; Guilford College

Biochemistry**Kiosk: 12C**

*Aromatic Hydrocarbon Metabolism by *Caulobacter Crescentus**
Denise Funk, Landry Umbu; Eastern Illinois University

Kiosk: 46B

Cloning and Expression for the Future Characterization of the Air2 Protein
Emily Frampton; Utah State University

Kiosk: 46C

Differential Toxicity of Cholera Toxin and E. Coli Enterotoxin Explored Using Molecular Dynamics Simulations
Lindsey Brier; University of Houston

Kiosk: 47A

Human Metapneumovirus Matrix Protein Localization and Protein Interactions
Andrea Eastes; University of Kentucky

Kiosk: 47B

Investigating the Expanding Role of Transmembrane Domains in the Enveloped Virus Infection Process
Tamas Nagy; University of Kentucky

Kiosk: 47C

Quality and Stability of Peanut Oils in Raw Nuts Treated with Ultraviolet Light to Reduce Bacterial Loads
Bryan Hettick; Lubbock Christian University

Kiosk: 48A

The Effects of Growth Conditions on Bacterial Inhibition of Water Mold
Mary Blaha, Kori Sye; North Central College

Kiosk: 48B

Using DNA Profiles to Determine the Commonality of Escherichia coli Isolated from Canada Geese Feces and Urban Playa Lake Water
Jordan Putman; Lubbock Christian University

Biological Engineering**Kiosk: 1A**

Biodegradable Microspheres for Hepatic RMT
Jessica Delgado; Florida International University

Kiosk: 13A

Characterization of Tetracycline Inducible Orn Strain UM431
Fariba Kianmajd; University of California, Berkeley

Kiosk: 13B

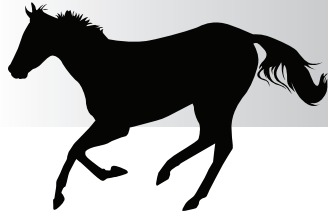
Genetically Modified Food
Roshan Ara Nizamuddin; Wayne State University

Kiosk: 48C

Oxygen Sensing Properties of Nanofibrous Biomaterials Incorporating the Luminescent Probe [Ru(DPP)3]2+
Susan Zhao; Appalachian State University

Kiosk: 66C

Development of Reserpine/PLGA Matrix for Anti-Hypertensive Therapy
Robert Simril; Clemson University



Poster Session 5

Biology

Kiosk: 6C

Functional Characterization of Newly Identified Antiterminator RNAs

Connor VanMeter; Western Kentucky University

Kiosk: 13C

A Potential Role of Adipose Tissue in the Systemic Response to Ultraviolet Light Exposure

Evan Sommer; Ohio State University

Kiosk: 14A

*An ABC type Transporter is essential for biofilm formation, nodulation of *Sesbania cannabina* and endophytic colonization of rice (*Oryza sativa*) by *Rhizobium* sp. IRBG74*

Brigit Blemberg; University of Wisconsin, Milwaukee

Kiosk: 14B

*Annotation of Fosmid_2602K20 of *D. ananassae**

Kayla Holder; University of the Cumberland

Kiosk: 14C

Automated Shape Modeling for Undulatory Swimmers Using Blum's Medial Axis

Sean Waters; Lafayette College

Kiosk: 15A

Can You Hear Me Now? The Impact of Our Sound Environment on Avian Communication

Jessica Magnotti; George Mason University

Kiosk: 49A

*Characterization of the enzyme steroid sulfatase in the frog, *Xenopus laevis**

Anderson Chen; Duquesne University

Kiosk: 49B

Colorectal Cancer Prevention Studies

Ilona Aleksandrovich; New York Institute of Technology

Kiosk: 49C

*Dissecting the role of autophagy in mediating dendrite development in *Drosophila**

Caroline Thomas; George Mason University

Kiosk: 50A

Effects of isoprenaline injection on ground squirrel and rat myocardial ischemia.

Jenna Kerr; University of Wisconsin, La Crosse

Kiosk: 50B

Evaluation of Fungicides for Control of Stem Rust In the Upper Midwest

Samuel Haugen; University of Minnesota, Crookston

Kiosk: 50C

Expression of Olfactory Receptor P2 outside of the Olfactory System

Rachel Turn; Florida Atlantic University

Kiosk: 51A

*Identification of the *psbDII* gene signal transduction pathway in *S. elongatus* PCC 7942 by utilizing the *codA* reporter gene and transposon mutagenesis.*

Poonam Bhavsar, Katherine Berman; Drexel University

Kiosk: 51B

Interactive effects of temperature and oxygen concentration on growth and development of lizard embryos

Sarena Flewelling; Coastal Carolina University

Kiosk: 51C

Laboratory-Directed Evolution of Salt Tolerant Microbes

Olivia Slayton, Sarah Ragsdale, Patricia Lane, Lora Flanagan, Jadeah Jackson, Archana Krishnamoorthy; Middle Tennessee State University

Kiosk: 52A

Molecular Dissection of the Mechanism of ssDNA-binding Proteins

Kelly Binns; Bridgewater State University

Kiosk: 52B

*Optimal Growth Parameters of *Pycnoporus sanguineus* for Enzymatic Breakdown of Peanut Hulls*

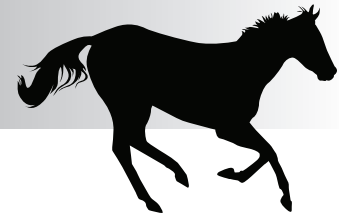
Markese Bohanon; Lubbock Christian University

Kiosk: 52C

*Prevalence of antibodies to *Leishmania* spp. in coyotes and foxes from Pennsylvania and Tennessee*

Andrew Alexander; Johnson C Smith University

Poster Session 5

**Kiosk: 53A**

Resistance to skeletal fluorosis in relation to the amount of sorbitol dehydrogenase present in a highly-susceptible mouse model

Caitlin Finnane; Wisconsin Lutheran College

Kiosk: 53B

SEXUAL DIMORPHISM IN WATER USE AND HEAT SHOCK RECOVERY IN BRYUM ARGENTEUM

Leslie Kollar; Washington and Jefferson College

Kiosk: 53C

*Spatial Ecology, Habitat Use and Survival Rates of Headstarted Blanding's Turtles (*Emydoidea blandingii*) in Southern Wisconsin*

Nick Rudolph; University of Wisconsin, Whitewater

Kiosk: 54A

Testing abiotic stress in maize and forming protocols

Hailey Karlovich; Hamline University, St. Paul

Kiosk: 54B

The Effects of the Artificial Sweetener Sucralose and the Natural Sweetener Stevia on 3T3-L1 Adipogenesis.

Jacob Brittingham; Susquehanna University

Kiosk: 54C

The influence of spatial pattern and color on visual signal detection in anoline lizards.

Anna Yeo; Union College

Kiosk: 55A

The role of green light in shade and sun adapted leaves measured in higher plants

Yongqian Zhang; Ithaca College

Kiosk: 55B

*The Transformation and Conjugation of Ampicillin Resistant *Escherichia coli**

Nicholas Stapleton, William Gannon; Xavier University

Kiosk: 55C

West Nile Virus Detection by RT-PCR in Immature Mosquitoes in Southwest Ohio

Marcella Costello, Krista Swegheimer; Xavier University

Cell & Molecular Biology**Kiosk: 15B**

*A Genome-Wide Association Study of Factors Influencing Reproductive Lifespan of Male *Drosophila melanogaster**
Shannon Brady, Victoria Thompson, Sandra Onekhen, Olivia Utley, Michelle Giedt; University of Kentucky

Cell & Molecular Biology**Kiosk: 15C**

*Characterization of a *Chlamydomonas reinhardtii* mutant defective in chlorophyll biosynthesis*

Tashana Haye, Theresa Fuller, Tai Truong; University of West Georgia

Cell & Molecular Biology**Kiosk: 16A**

Elucidating a Mitochondrial Protective Transcriptional Network

Kevin De Jesus; University of Puerto Rico at Humacao

Kiosk: 16B

Functional Role of the EGF-like Module in SPARC-Mediated Signaling in Temozolomide

Swathi Nallapa, Swathi Nallapa, Sandra Rempel; Wayne State University

Kiosk: 16C

*Idiopathic Infantile Arterial Calcification as Caused by *ENPP1**

Craig Conder; Utah Valley University

Kiosk: 56A

Major Pathogens Isolated from Rentable DVDs
Nicholas Gallina; Indiana State University

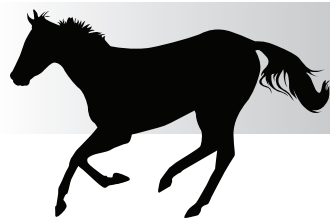
Kiosk: 56C

Screening for Potential New Prions in Wild Yeast Strains
Aung Soe Lin; Berea College

Kiosk: 57A

The Effects of Receptor Status on Protein Expression in Metastatic Breast Cancer Cells

Hannah Graff; Western Kentucky University



Poster Session 5

Kiosk: 57B

Using breast cancer subtypes as a model for detecting cytoskeletal dysfunction in Alzheimer's disease
Ashley Calder; Utah Valley University

Chemical Engineering**Kiosk: 17A**

Manufacturing & Characterization of Carbon Nanotube Microcables
Nicholas Kienzle; University of Cincinnati

Chemistry**Kiosk: 1B**

Synthesis of a Photosensitizer-PEG-folate Complex for PDT
Munira Munshi; Loyola University Chicago

Kiosk: 17B

An Investigation of Chemical Interferences in Two Different Methods of Vehicle Arson Accelerant Identification
Lauren Humphrey; Eastern Illinois University

Kiosk: 17C

Atmospheric Reactions of Catechol with Ozone at the Air-Water Interface
Robert Camm; University of Kentucky

Kiosk: 18A

Complexation of Boroxines and Boronates with Amine N-Oxides
Elicha Benfield, Meghan Lawler; Western Carolina University

Kiosk: 18B

Development of Electrically Conductive "Ink" from Colloidal Silver Nanoparticle Systems
Daniel Webb, Mara Olenick; King's College

Kiosk: 18C

Effects of Various Ligands on Mesoporous Silica Nanoparticles for Cancer-Targeted Drug Delivery
Alexandra Bird; Clemson University

Kiosk: 57C

*Fluorescence Microscopy Analysis of Organic Anion Transport in *C. Elegans**

Krista Region; Appalachian State University

Kiosk: 58A

Improving the Solubility of Antiepileptic Drugs
Wendy Price; Lindsey Wilson College

Kiosk: 58B

Ireland-Claisen Sigmatropic Rearrangements
Cassandra Heller; University of Wisconsin, Whitewater

Kiosk: 58C

NMR and Statistical Analysis of Maillard Reaction Products of Varying Sugars
Gianna Medina, Aaron Langer; North Central College

Kiosk: 59A

Photo-controlled nitric oxide release from metal complex/polymer composites for therapeutic applications
Jonathan Mase; Bowling Green State University

Kiosk: 59B

Progress Toward The Synthesis of Suberedamine A
Bhanupreet Gill; Cal State University

Kiosk: 59C

Simultaneous Chromatography and Electrophoresis: Apparatus Design
Jared Breakall; Brigham Young University-Idaho

Kiosk: 60A

Surface Enhanced Luminescence of a Rare Earth Complex by Silver Nanoparticles
James Beimborn II; Western Carolina University

Kiosk: 60B

Synthesis of 7-substituted coumarin derivatives
Jami DeGrote; Adelphi University

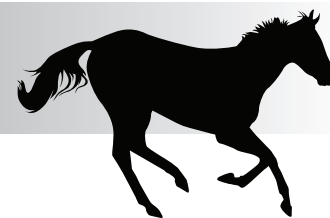
Kiosk: 60C

Synthesis of Several 8-Hydroxyquinolate- and 2-picolinate-based Ligands as Molecular Scaffolds for Metal-Organic Frameworks (MOFs)
Tanya Hanoman; New Jersey City University

Kiosk: 61A

The Assessment of Azulenyl Nitron as a Sensing Material for Gamma Radiation Sterilization Dosimetry of Healthcare Products
Kenneth Riggott; Florida International University

Poster Session 5



Kiosk: 61B

Treatment of Radioactive Hydraulic Fracturing Waste by Sorption on Natural Zeolites
Erica Howard; Ohio State University

Communications

Kiosk: 19A

Direct-to-Consumer Advertising Influence on the Request for Prescription Drugs: How do Patients Become Informed about an Advertised Drug?
Sarah Gentilucci; Roanoke College

Kiosk: 61C

Learning Styles and Engagement in Class: A student's perspective
Sharpe Tom, Nick Tursi, Jennifer Coates; University of Wisconsin, Whitewater

Computer Science

Kiosk: 19B

A Union of Art and Technology
Jaspir Pool, Elizabeth Clay, Natalie Kuenzi; Western State College

Kiosk: 19C

Digital Music Composition: Dual Genetic Algorithms with Objective Fitness
Stephen Bussey; Shippensburg University

Kiosk: 62A

Mobile Physics Engine based on Modeling Two Dimensional Elastic and Inelastic Collisions for the Educational Demonstration of Physics Phenomena
Cameron Powell, Deborah Ferguson; University of Kentucky

Kiosk: 62B

The Speed of Information Dissemination in a Faulty Dynamic Network
Samuel Caulker; Moravian College

Criminology

Kiosk: 20A

The Relationship between Depressive Traits and Inmate Infractions
Jezebel Ristow; Hamline University, St. Paul

Diversity Studies

Kiosk: 1C

A Qualitative Analysis of Cultural Identity: Do Young Americans Identify with a Culture?
Alicia Wadsworth; California University of Pennsylvania

Ecology & Organismal Biology

Kiosk: 20B

A Morphological Tradeoff Between Courtship and Forced Mating in the Male Trinidadian guppy
Amy Hedrick; University of Kentucky

Kiosk: 20C

Damselfish as a Keystone in Increasing Biodiversity
Jared Baxa, Rachel Streich, Mitchell Lytle; Saint John's University

Kiosk: 21A

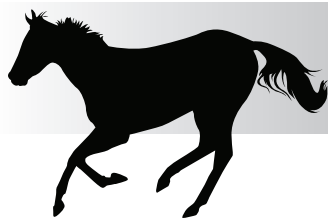
Ichthyofaunal monitoring in the forks of the Platte River, NE, following five years of drought
Henry Hansen; University of Wisconsin, Stout

Kiosk: 62C

*Relationship among life history and energy metabolism of the African cichlid *Julidochromis ornatus**
Matthew Hodanbosi; Ohio State University

Kiosk: 63A

*Use of Snow Tracking Surveys to Compare Gray Wolf (*Canis lupus*) and Coyote (*Canis latrans*) Population Densities in Northern Wisconsin.*
Aaron King, Nicholas Rudolph, Kenneth Witt; University of Wisconsin, Whitewater



Poster Session 5

Economics

Kiosk: 21B

Climbing the Economic Ladder: Latino Business Owners in Central and Eastern Parts of Washington

Jereny Mendoza, Jereny Mendoza; Eastern Washington University

Kiosk: 21C

Key Cost Associations with Private Non-Profit Liberal Arts Colleges

Andrew Switzer, Ryan Peterson, Matt Hultgren; Saint Olaf College

Kiosk: 63B

The World in 2050: A Complex Story of Convergence

Laura Roller, Shane Buxman, Devin Landis, Abby Chestnut; John Brown University

Education

Kiosk: 2A

Boys vs. Girls: Exploring Gender Equality in the Elementary Classroom

Katelyn Fitzsimmons; Bridgewater State University

Kiosk: 22A

Creating a Global Community: A Study of Global Competency in the Elementary and Special Education Teacher Candidates

Sarah Spaeth; Elon University

Kiosk: 22B

Interactive teaching of the Central Nervous System improves learning in second grade children.

Shannon Hamilton, Jaylyn Brown; Indiana State University

Kiosk: 22C

Sexuality Education and Sexual Health Disparities: A Comparison between the United States and the Netherlands

Farah Sheikh; University of Kentucky

Kiosk: 63C

The Impact of School Environment on Teachers' Motivation in Sweetwater Elementary

Nusrat Mosharraf, Kyrsten Alvarez, Andres Roque, Roxanna Vargas; Florida International University

Engineering/Engineering Technology

Kiosk: 2C

A Closer Look at Poisson's Ratio

Dennis Maguire; Loyola University

Kiosk: 23A

A Wearable Sensing Garment to Detect and Prevent Suit Injuries for Astronauts

Crystal Compton, Reagan Rockers; University of Minnesota, Twin Cities

Kiosk: 23B

Design and Construction of A Flow System For Testing Aerogels as Three Way Catalysts

Rebecca Knepple; Union College

Kiosk: 64A

Herbal Beer Infuser

Tyler Anderson, Lance Avey, Jonathan Carlin; Metropolitan State University of Denver

Kiosk: 64B

Microfluidics and Microfabrication as a Research Platform for Understanding Metastasis, Tumor Microenvironments, and Pharmacological Responses to Cancer

Jonathan Grabau; University of Kentucky

Kiosk: 64C

Signal Interference on Mobile Robots Testing

Dillon Allen, Lindsey Smith, Raymond Gonell, Taylor Carrick, Montrell Taylor, Jordan Peyton; Middle Tennessee State University

Kiosk: 65A

TWO-PHASE ENERGY SYSTEM

Eric Leaman, Jack Cochran; James Madison University

Environmental Studies & Sciences

Kiosk: 3A

A Biological Assessment of the Arthur Kill Ecosystem

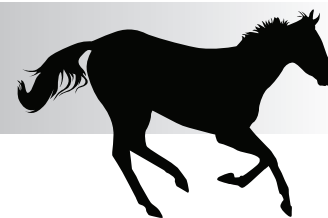
John Grew, Jorge Ruiz, Bill Surena, Ousmane Kara; New Jersey City University

Kiosk: 23C

Chloride Monitoring at Coldwater Spring

Sophie Kasahara; University of Minnesota, Twin Cities

Poster Session 5

**Kiosk: 24A**

*Evaluating the Habitat Suitability of the Bald Eagle *Haliaeetus alascanus* Along the Susquehanna River*
Claudia Bartoli; Susquehanna University

Kiosk: 24B

Investigating the relative importance of local and global mercury sources in Pennsylvania
Gregory Gray, Ellis Neilly; Slippery Rock University of Pennsylvania

Kiosk: 65B

Pore Space and Concretion Distribution In a Prairie Mound Fragipan.
Grace Pelton; University of Kentucky

Kiosk: 65C

The effect of in-utero mercuric chloride exposure on lever learning (shaping) procedures in sprague dawley rats who's dams were fed a high and low selenium based diet
Atta Conduah; Tuskegee University

Geography & Earth Sciences**Kiosk: 3B**

Bullet Boulder Striations: Implications for Drumlin Formation in Iceland
James Amato; University of Wisconsin, Milwaukee

Kiosk: 24C

Geometric Morphometric, Size-Frequency Distribution, and Taphonomy of Brachiopoda from the Hughes Creek Shale (Carboniferous) of Southeastern Nebraska
Daryl Johnson; University of Wisconsin, Whitewater

Kiosk: 25A

Peak Current and Polarity of Cloud-to-Ground Lightning Strikes in Multicell and Supercell Convection related to Polarimetric Radar Data
Levi Boggs, Kun-Yuan Lee; University of Nebraska, Lincoln

Health Sciences & Public Health**Kiosk: 4A**

Passive Suicidal Ideation, Suicide Risk and Quality of Life among Veterans with Depression and Chronic Medical Conditions
Connie Wang; Rice University

Kiosk: 5C

They've got the next round, they can afford it: College alcohol consumption in relation to socioeconomic status
Charlie Chen; Miami University

Kiosk: 25B

An Application of the Rate of Adoption Theory Relevant to Personal Health Record Adoption
Brian Norman; University of Nebraska, Kearney

Kiosk: 25C

Comparison of Sanitation for Personal UV Lights and Bleach Spray
Jessica Ricchio; Western Carolina University

Kiosk: 26A

Estimated Costs of Alcohol-Related Negative Consequences in College Students
Kimberly Parent, Lauren Powers, Rachel Ronau, Mathew Giffin; Miami University

Kiosk: 26B

Financing College and Drinking Behaviors
Kristen Couch; Miami University

Kiosk: 26C

Outdoor Recreation and Health Indicators in Central Appalachia
Andrew Chapman; University of Virginia's College at Wise

Kiosk: 66A

Relationship between Cardiovascular Disease Risk and Fast Food Consumption in Undergraduate Honors College Students
Maidah Atta; East Carolina University

Kiosk: 66B

The Current Economic Impact on Youth Sports
Sheri Casey, Martinez Cristian; Utah Valley University



Poster Session 5

History

Kiosk: 4B

Blasting Off: How the Cold War Affected NASA's Goals
Kolby Addis; Westminster College

Kiosk: 27A

INTERNMENT AND REPATRIATION: THE GENDERED BRITISH POLICY CONCERNING GERMAN IMMIGRANTS IN THE FIRST WORLD WAR
Emma Lagle; State University of New York, New Paltz

Interdisciplinary Studies

Kiosk: 4C

Engaging Undergraduate Students in Program Assessment – a Data Collection/Strategic Planning Project
Carolyn Wolff, Nicole Peters; University of Wisconsin, Eau Claire

Kiosk: 27B

Leadership Motives Behind the Interdisciplinary Undergraduate Research Journal
Anastasiya Martinova; Adelphi University

Kinesiology & Exercise Science

Kiosk: 5A

Comparison Between Traditional Arm Swing and Compact Arm Swing Techniques on One Mile Run Performance.
Janelle Derbique; Gustavus Adolphus College

Kiosk: 27C

Differences among health related behavior choices between adults who choose an organic diet compared to those who do not.
Bradley Sermon; Gustavus Adolphus College

Kiosk: 28A

Gender Differences in Exercise and Alcohol Consumption
Abigail Gilligan; Miami University

Kiosk: 28B

The Effects of Exercise on Memorization
Ka Bao Vang, Katie Hopfner; Gustavus Adolphus College

Kiosk: 28C

Using the Functional Movement Screen to Assess Performance in the Occupational Athlete
Logan Thorp; University of Wisconsin, Milwaukee

Linguistics & World Languages

Kiosk: 5B

An Examination of 21st Century Appalachian English
Morgan Lancaster; Western Carolina University

Marketing

Kiosk: 6A

Creating a Digital Identity: Developing Materials for Integrated Media Arts
Christina Briggs; Juniata College

Kiosk: 29A

User Perception of Sponsored Posts on Social Media
Jennifer Whitford, Samantha Timmerman; Fordham University

Mathematics

Kiosk: 6B

An analysis of zebra mussel spread in the continental United States
Kiegan Rice, Thomas Scott, Josh Jacobson; Saint Olaf College

Kiosk: 29B

North Georgia Playfulness Scale (NGPS)
Samantha Duchscherer, Denver Coker, Katelyn Pitts, Georgianna Campbell; University of North Georgia

Microbiology & Immunology

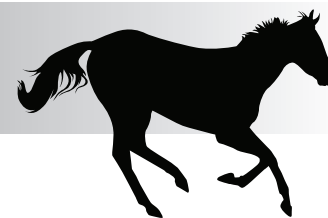
Kiosk: 7A

Cold Loving Bacteria May Be Negatively Impacted By Climate Change
Joseph Hoffmann; Maryville University Saint Louis

Kiosk: 29C

Identification and Characterization of Salmonella Hyper-biofilm Mutants in Typhoid Carriers
Michael Neiger; Ohio State University

Poster Session 5

**Kiosk: 30A**

PREVALENCE OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS AMONG WEBER STATE STUDENTS

AHMED MOHAMMED, RICHARD SCOTT; Weber State University

Kiosk: 30B

The Type IV Pilus of the Commensal Neisseria mucosa and Neisseria sicca Undergo Phase and Antigenic Variation
Courtney Marshall; Transylvania University

Music Research and/or Analysis**Kiosk: 7B**

Interpreting audible intervals into visual learning tools for cognitive brain training and musical advancement
Caitlin Cowen; Nicholls State University-All Departments

Neuroscience**Kiosk: 30C**

Determination of gamma-glutamyl cysteine ethyl ester efficacy using enzymatic analysis of oxidatively modified proteins in moderate traumatic brain injury
Jonathan Overbay; Eastern Kentucky University

Kiosk: 31A

Endogenous Expression of Chondroitin Sulfate Proteoglycans by HEK Cells
Jay Van Doorn; University of Kentucky

Kiosk: 31B

Lateral Amygdala Activation in Young Rats with Acquired Audiogenic Seizures
Elizabeth O'Neil; Appalachian State University

Kiosk: 31C

Peripheral Nerve Stimulation and Upper-Extremity Motor Training in Chronic Stroke
Emily Salyers; University of Kentucky

Kiosk: 32A

THE EFFECT OF COCAINE ON DELAY DISCOUNTING IN THE SPONTANEOUSLY HYPERTENSIVE RAT
Matthew Clasen; James Madison University

Kiosk: 32B

The Role of TUBB3 in Axon Guidance
Genevieve Bern; Hamline University, St. Paul

Nursing**Kiosk: 7C**

A Team-based Approach to Internet Ethnography: Evaluating Community Needs in South Sudan, Central Africa
Clara Dalton, Marian Gemender, Michael Short, Lakesa Williams; Old Dominion University

Kiosk: 32C

Confidence and Competence: Undergraduate Nursing Student's Self-Reported Levels of Confidence in CPR Competency
Amanda Balomaga; Dominican University of California

Kiosk: 33A

Exploring Racial Differences in Biomarkers, Stress and Anxiety Throughout Pregnancy
Corinna Hughes; University of Kentucky

Kiosk: 33B

Health Care Experiences of African American Women
Morgan Pennenberg; University of Wisconsin, Milwaukee

Kiosk: 33C

Mother's Understanding the Effects of Diabetes on Reproductive-Health in Daughters with Diabetes: Implications for Preconception Counseling and Support
Jessica Choi; University of Pittsburgh School of Nursing

Kiosk: 34A

Rural women's access to health care: are the global trends discussed in current literature represented in Colombia?
Kathleen Barth; Saint Olaf College

Kiosk: 34B

The Level of Volatile Organic Compounds Exposure in New Buildings: Can Adding Indoor Potted Plants Reduce Exposure?
Kelly Vazquez, Lydia Adams; University of Alabama in Huntsville



Poster Session 5

Nutrition

Kiosk: 8A

Gouda Cheese: Effects of Aging on Consumer Perception
Josey Pukrop; University of Wisconsin- River Falls

Physical/Occupational Therapy/Speech Language Pathology

Kiosk: 8B

Can core strength influence the knee valgus angle during a step down test?
Rachelle McKinley; University of Kentucky

Physics

Kiosk: 8C

Computer simulation of a Geiger Mode Avalanche photodiode circuit in Silicon Photomultipliers for detector systems at Fermi and Jefferson Laboratories.
Jamil Guevara, Lee Dunnavan; James Madison University

Kiosk: 34C

Light-Induced Structural Transformations in Spin Coated and Thermally Evaporated Chalcogenide Thin Films
Justin Cook; Austin PEAY State University

Kiosk: 35A

Nuclear Forensics: Radioactive Trace Analysis with HPGc Detectors
Ian Goldsmith-Rooney; University of Rochester

Kiosk: 35B

Spray Pyrolysis of Zinc Tungstate Thin Films
Brandon Zink; University of Wisconsin, La Crosse

Physiology

Kiosk: 9A

Effects of hibernation on the enteric nervous system of the thirteen-lined ground squirrels
Lauren Eliades, Amelia Ruiz; University of Wisconsin, La Crosse

Kiosk: 35C

Making Renal Physiology Fun to Second Graders
Patrick Doyle, Jennica Hipes; Indiana State University

Kiosk: 36A

The effect of the Rho-kinase inhibitor Y-27632 on alpha-actin and beta-actin cytoskeletal remodeling in resting and contracting A7r5 aortic smooth muscle cells
Sarah McClanahan; Morehead State University

Political Science

Kiosk: 9B

A Leap Toward the Poles: An Analysis of Political Polarization and its Influence on the Political Party
Adam Ironside; Saint John's University

Kiosk: 36B

Drone Warfare: A Look Into the Legality of the U.S. Drone Program
Marco Martinez; Carthage College

Kiosk: 36C

Realignment in the Republican Party on Public Lands and Wilderness Policy: The Electorate, Government, and Organization
Stephanie Pinkalla; College of Saint Benedict

Psychology

Kiosk: 9C

Testing John Gottman's theories in a married student population.
Ty Martin; Utah Valley University

Kiosk: 10A

Animal-assisted Therapy Amongst Veterans
Kent Hinkson, Jr.; Utah Valley University

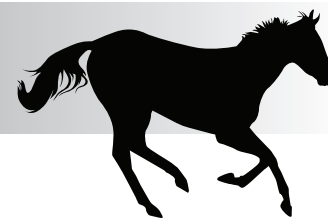
Kiosk: 37A

Assessing Race-Related Stress in Correspondence to Moral Consciousness and Self-Efficacy
Kiwane Kemp; University of Wisconsin, Whitewater

Kiosk: 37B

Beyond Depression: Maternal Neural Response Differs with Comorbid Anxiety Disorder
Heidi Martinez; University of Oregon

Poster Session 5

**Kiosk: 37C**

Child Sleep and School Liking and Avoidance
Allison Perkins, Eric Haak; University of Kentucky

Kiosk: 38A

COORDINATION OF GUILT AND REGRET: A DEVELOPMENTAL STUDY
Patricia Dirks; Weber State University

Kiosk: 38B

DMXB-A REDUCES THE DAMAGING EFFECTS OF DEVELOPMENTAL ETOH EXPOSURE IN AN IN VITRO RODENT HIPPOCAMPAL SLICE MODEL
Faiyad Mannan; University of Kentucky

Kiosk: 38C

Emotion Understanding as a Mediator of the Relationship Between ADHD Symptoms and Social Functioning
Holly Poore; University of Kentucky

Kiosk: 39A

Exploring the Effects of Developmental Alcohol Exposure in the Absence of Sensory Preexposure on Adolescent Drinking Habits
Rekha Gupta; University of Kentucky

Kiosk: 39B

Generous Behavior Index: Do Males and Females Display Generosity in Different Ways?
Obianuju Okonkwo; Sewanee

Kiosk: 39C

*Implications of Personality Assessment for Social-Housed Rhesus Macaques (*Macaca mulatta*)*
Elaine Bucknam; St. Mary's College of Maryland

Kiosk: 40A

Is House the Next CSI? Medical Shows, Need for Cognition, and Perceptions of Physicians
Shelby Mytyk; Xavier University

Kiosk: 40B

Majors and Labeling through Self-Fulfilling Prophecies
Jerry Watkins Jr.; University of Wisconsin, Whitewater

Kiosk: 40C

*Operant Conditioning in *Anolis carolinensis* and *A. sagrei*: Initial Shaping Procedures*
Zoe Austin, Chris Dinges; Oklahoma State University

Kiosk: 41A

Perceptions of Child Sexual Assault in Criminal versus Civil Trials
Linnette Hacker; University of Kentucky

Kiosk: 41B

Preschool Children's Ability to Convey Happy and Sad Emotions in Their Drawing
Erinn McConville; Gettysburg College

Kiosk: 41C

Relationship between ADHD symptoms and impulsivity traits in young adults
Kelly Slaughter; University of Kentucky

Kiosk: 42A

SEXUAL EXPECTATIONS OF INTIMATE PARTNERS AND PERCEPTIONS OF RAPE
Vanessa Tirabassi; University of Kentucky

Kiosk: 42B

Student Melatonin Use and Knowledge
Matthew Mignosa; Salisbury University

Kiosk: 42C

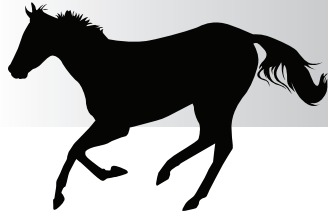
The cultural impact of rapid growth: A Cross-generational exploration of cultural values amongst citizens of the United Arab Emirates.
Jaffar Mahmoud, Abdullah Eissa Abushahab, Omar Khouri; Zayed University

Kiosk: 43A

The Effects of Alcohol and Energy Drinks on Simulated Driving
Desia Talbott; Northern Kentucky University

Kiosk: 43B

The Effects of Unilateral Hand Clenching and Emotion on Memory
Brooke Matheus; University of Wisconsin, La Crosse



Poster Session 5-6

Kiosk: 43C

The reduction of the fundamental attribution error through the manipulation of the mirror neuron system

Nicholas Walker; University of Wisconsin, Whitewater

Kiosk: 44A

The Use of Humor in Romantic Couple Support Discussions

Jaelyn Theisen; University of Minnesota, Twin Cities

Kiosk: 44B

Very Young Children's Conflicts and Their Resolutions in Two Communities

Amanda Vowell; Indiana State University

Social Work**Kiosk: 10B**

An Examination of Burnout and Resiliency among Personal Care Assistants in the Chippewa Valley

Randi Winchester, April Unterberger; University of Wisconsin, Eau Claire

Kiosk: 44C

The Effects of Adverse Childhood Experiences and Substance Abuse on Self-Sufficiency in African American Males from Milwaukee, Wisconsin

Christopher Kirchner; University of Wisconsin, Milwaukee

Sociology**Kiosk: 10C**

Early Marriage of Qatari Female Students: Academic Difficulties And Achievements

Afrah Al-Otaibi, Reem Al-Kuwari; Qatar University

Kiosk: 45B

The Relationship between Domestic Violence Victims and Family Pets

Brittany Randt; University of Wisconsin, Stout

Sustainability**Kiosk: 11A**

Beyond Water Access: An Interdisciplinary Approach to Developing Sustainable Community Partnerships

Ali Aslam, Ivonne Navarro, Andrea Wen, Meredith Hassett; University of Virginia

SESSION 6**African American Studies****Kiosk: 11B**

The Effects of Racism-Related Stress on the Health of African American Males

LaCherie Weathers; University of Wisconsin, Whitewater

Anthropology & Archeology**Kiosk: 11C**

Estimating Live Deer Meat Weight from Archaeological Faunal Remains: A Case Study from Fox Farm, a large Fort Ancient (A.D. 1300-1650) site in Mason County, Kentucky.

Jonathan Davis; University of Kentucky

Kiosk: 45C

Mortuary and Religious Practices during the Classical Period at Naxos Island, Greece: Reflections through Zooarchaeology

Danaleah Schoenfuss, Jennifer Babayev; Adelphi University

Kiosk: 46A

The Reliability of Four Commonly Used Ancestral Techniques and Their Implications Regarding the Native American

Graves Protection and Repatriation Act of 1990

Stephanie Cole; Hamline University, St. Paul

Architecture & Interior Design**Kiosk: 12A**

Urban Design for a Cultural Experience

Kacy Rhoades; University of Kentucky

Art Studio**Kiosk: 3C**

Critical Fine Arts

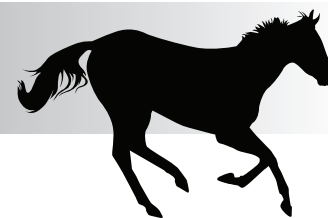
Gwendolyn Patrick; San Diego State University

Astronomy**Kiosk: 12B**

Spectroscopic Characterization of White Dwarf Candidates for Calibrating Dark Energy Survey

Mees Fix; Austin PEAY State University

Poster Session 6



Biochemistry

Kiosk: 12C

Biosynthesis of Base J by JBP1 and JBP2

Melissa Jennings; University of Georgia

Kiosk: 46B

Computational Docking Analysis to Increase Understanding of Chiral Drugs Metabolism

Jessie Meyer; Ouachita Baptist University

Kiosk: 46C

Effects of overexpression of the peptidyl-prolyl cis/trans isomerase Pin1 on oxidative stress in an Alzheimer Disease model APP/PS1 human double mutant knock-in mice

Jessime Kirk; University of Kentucky

Kiosk: 47A

Identification and Function of Novel Proteins in Lafora Disease and Glycogen Metabolism

Brienna Meffert, Vikas V. Dukhande, Elham Schokraie, Mary Katherine Brewer, Oliver Kötting, Matthew S. Gentry; University of Kentucky

Kiosk: 47B

Investigating the Role of Carboxy-Terminal Domain of RNA Polymerase II in Chromatin Remodeling and Gene Expression in Schizosaccharomyces pombe

Ruby Benn; Ithaca College

Kiosk: 47C

Regulation of a bacterial aggregation-promoting virulence factor by the RNA pyrophosphohydrolase

Kawen Zhang; Saint Louis University

Kiosk: 48A

The Influence of Catechol and Inhibitors on the Oxidation of L-Dopa by Potato Catechol Oxidase

Mitchell Schramel; College of St Scholastica

Kiosk: 48B

Using Protein Cages as T1 enhanced contrast agents for Magnetic Resonance Imaging

Riley Shearer; Montana State University, Bozeman

Biological Engineering

Kiosk: 13A

Comparative modeling of breast cancer metastasis in fibroblastic versus adipogenic artificial stromal tissues.

Jesse Robinson; University of Wisconsin- River Falls

Kiosk: 13B

Gold Nanoparticle siRNA Delivery To Treat Allergic Contact Dermatitis

Jared Fialkoff; University of Rochester

Kiosk: 48C

Scale Tractor Design for Development of Autonomous Control Systems

Joshua Harmon; University of Kentucky

Biology

Kiosk: 6C

Functions of the Fun30 Chromatin Remodeler in DNA Postreplication Repair and Heterochromatin Structure in Saccharomyces cerevisiae

Yanhan Ren; University of Rochester

Kiosk: 13C

A RELATIONSHIP BETWEEN STEM BASE DIAMETER AND LENGTH IN HEBACEOUS PLANTS

Hieu Van; College of Saint Benedict

Kiosk: 14A

An investigation of milk snakes, a coral snake mimic

Stephen Brick; Hendrix College

Kiosk: 14B

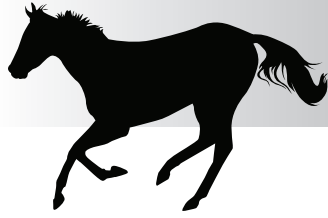
Annotation of fosmids on the 3L Chromosome of D. ananassae

Jackie Alexander; University of the Cumberland

Kiosk: 14C

Average Size Threshold for Sex Expression between Male and Female Plants

Zainab Farooqui; University of Kentucky



Poster Session 6

Kiosk: 15A

Candida Parapsilosis Clinical Strains Reduce the Ability of Candida albicans to Damage Premature Intestinal Epithelial Cells

Margaret Shevik; University of Minnesota, Twin Cities

Kiosk: 49A

CHARACTERIZATION OF THE OLFACTORY BEHAVIORS OF WNT5 LOSS-OF-FUNCTION AND GAIN-OF-FUNCTION MUTANTS

Kathryn Yaeger; Brockport

Kiosk: 49B

Combating The Antibiotic Resistance Threat
Wardha Qureshi; Monmouth University

Kiosk: 49C

Do wolf spiders orient and navigate using magnetic fields?
Matthew Brady; Susquehanna University

Kiosk: 50A

Effects of Pioglitazone on Liver Cell Bioenergetics
David Grimm, Leo Altamirano; Eastern Illinois University

Kiosk: 50B

Evaluation of Pediatric Sickle Cell Disease Pulmonary Complications
Dakarai Moton; Dillard University

Kiosk: 50C

Extraction and Analysis of peptides from Traditional Chinese Medicine Herbs
Patrick Ovington, Olga Uvarov, Tyler Ovington; Clemson University

Kiosk: 51A

Identifying Bacteria Active in Supragingival and Subgingival Plaque of Healthy Adults
Marina Ojaimi; Baldwin-Wallace College

Kiosk: 51B

Investigating Pathogenicity in White-Nose Syndrome Among Hibernating Bats
Amanda Blackett, Angeliq ue Irizarry, Kayla Kirby, Paul Nestor, Neal Banks, Pauline Shih, Megan Mackanos, Jena Tisdale, Lindsay Tirrell; Miami University

Kiosk: 51C

Latitude and Environmental Pressure: their Impact on Carapace Shape in Three Species of Fiddler Crabs from Different Regions Across the Atlantic Ocean
Katherine Thomas; University of Northern Iowa

Kiosk: 52A

Molecular Identification of Aphid Species in Utah
Brianna Rhoads; Utah State University

Kiosk: 52B

Outdoor Weather Characterization for a Swine Transport Assessment
Dana Anderson; Northeastern Illinois University

Kiosk: 52C

Pro and anti inflammatory cytokines and their role in the spectrum of NAFLD and depression
Sweta Sedhai; George Mason University

Kiosk: 53A

Role of CGRP (Calcitonin Gene Related Peptide) in Thyroid C-cell line CA 77 for a Migraine Research Model
Shweta Chaudhary; George Mason University

Kiosk: 53B

Simple Method to Immobilize Cultured VX2 Cells Using Alginate Hydrogel Beads
Joseph Ehrenreich; University of Scranton

Kiosk: 53C

Spontaneous alternation behavior in three genotypes of mice exposed to polychlorinated biphenyls during gestation and lactation
Josephine Brown; Northern Kentucky University

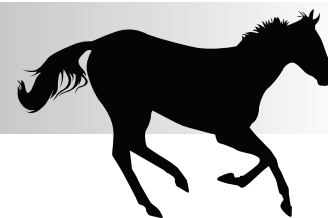
Kiosk: 54A

TGF-Beta induction in dermal fibroblasts and progenitor stem cells increases type 1 collagen gene expression in vivo
Brandi Tacdol, Brandi Tacdol, Michael Malabed; Dominican University of California

Kiosk: 54B

The effects of topotecan on nuclear RanGTP levels in HeLa cells
Sarah Broskin; Westminster College

Poster Session 6

**Kiosk: 54C**

The link between handedness and schizophrenia
Kira Eicher; California University of Pennsylvania

Kiosk: 55A

The Role of KNOX Genes During Simple and Compound Leaf Development in the Genus Ampelopsis (Vitaceae)
Allie Simpson; University of Northern Iowa

Kiosk: 55B

The Transportation and Accumulation of Iron Oxide Nanoparticles in Arabidopsis Plants
Sarah Cox; University of Alabama

Kiosk: 55C

Wound Healing in a Petri Dish?
Danielle Perlingiere, Kyle Williams, Yee Wvooon Yap;
University of Central Oklahoma

Kiosk: 66C

Inhibitory effects of Aloe species against Candida albicans, an opportunistic pathogen
Allison Gordon; Miami University

Cell & Molecular Biology**Kiosk: 15B**

A Radial Diffusion Assay for the Rapid Evaluation of Antimicrobial Peptides
Dustin Walter; Ouachita Baptist University

Kiosk: 15C

Characterization of Cadherin Expression in Retinoblastoma Cell Lines
Laura Knapik; Bridgewater State University

Kiosk: 16A

Elucidating the Mitochondrial Targeting Sequence of the Yeast Flap Endonuclease (Rad27)
Sarah Joseph; University of Rochester

Kiosk: 16B

Gene Expression Levels of Breast Cancer Cells Treated with Selenium Derivatives
James Bastin; University of Kentucky

Kiosk: 16C

Imaging Intracellular Fatty Acids in Brown Adipocytes
George Paul; Wayne State University

Kiosk: 56A

Maternal Exercise Delays Tumorigenesis in Mouse Offspring
Torja Fischer; University of Kentucky

Kiosk: 56B

Nutritional Requirements for Protein Production in the Male Accessory Glands of Tribolium castaneum
Ashlee Anciro; University of Kentucky

Kiosk: 56C

Sensitization of Human Prostate Cancer and Hepatocellular Carcinoma to Current Chemotherapies by AR-Degradation Enhancer ASC-J9
Joshua Cho, Max Cheng; University of Rochester

Kiosk: 57A

The Influence of Integrin Binding RGD domains on Notch Signaling and Angiogenesis
Peter DeFord; Boise State University

Kiosk: 57B

Using RNAi to discover the mysteries of DNA repair in bdelloid rotifers
Sydey Haldeman; Hendrix College

Chemical Engineering**Kiosk: 17A**

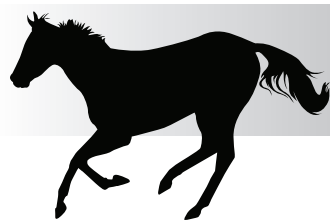
Metabolism of Terpenoid Indole Alkaloids from Catharanthus roseus Hairy Roots
Ehsun Angadjivand; University of Minnesota, Duluth

Chemistry**Kiosk: 1B**

The Expression of Drug Transporters and Interacting Proteins in Cytosolic and Membrane Fractions Using Caenorhabditis elegans
Steven Pifer; Appalachian State University

Kiosk: 17B

An Investigation of Extracting Gold on a Small Commercial Scale
Katherine Wehde; Ohio State University



Poster Session 6

Kiosk: 17C

Balancing the Intermolecular Forces in Peptide Amphiphiles for Self-Assembly

Michael Nicholl; Ohio State University

Kiosk 18A

Computer Modeling of Tholins in the Atmosphere of Titan

Walter Para; Eastern Kentucky University

Kiosk: 18B

Direct Detection Of Physiological Glucose Through Gold Nanoparticle Formation

Ian Campbell, Sarah Unser, Jenifer Hatch; University of Cincinnati

Kiosk: 18C

Electrochemical Characterization of the Dye Mediator Indigo Tetrasulfonate

Baoyuan Liu; University of Wisconsin, Milwaukee

Kiosk: 57C

Formation of Copper Coordination Complexes

Jamie Vescio, Jamie Vescio, Amanda Bowman; Transylvania University

Kiosk 58A

Increasing the Proficiency of Copper-Catalyzed Azide-Alkyne Cycloaddition (CuAAC) Reactions in Live Cells

Dema Shobaki; University of Houston

Kiosk: 58B

Isolation of Compounds from Plant Sources, Including Traditional Medicines

Ariel Stephenson, Yvonne Ejorh, Breanna Price, Josiah Opeke, Jacob Basham; Middle Tennessee State University

Kiosk: 58C

Novel Bioactive Compounds Produced by Juniperus osteoperma

Kip Brower, Kip Brower, Megan Black; Utah Valley University

Kiosk: 59A

PHYSICAL BEHAVIORS OF IONIC LIQUIDS IN LOW POLARITY SOLVENTS

Elise Cade; State University of New York, Brockport

Kiosk: 59B

Producing Fuel from Carbon Dioxide

Jamie Stafford; Lamar University

Kiosk: 59C

Solid-phase synthesis organic molecule arrays on planar supports: a teaching and research tool

Benjamin Mohr; Ohio State University

Kiosk: 60A

Surface Modification with Phosphonium Polyelectrolytes

Kara Jolly; Clemson University

Kiosk: 60B

Synthesis of Compounds for the International Clinical Compound Library (ICCL) Project

Nicholas Krabacher, Jacob Stephens; Xavier University

Kiosk: 60C

Synthesis, Characterization, and Electrochemical Properties of a Series of Trispyrazolylborate Nickel Complexes

Kiosk: 59C

Solid-phase synthesis organic molecule arrays on planar supports: a teaching and research tool

Benjamin Mohr; Ohio State University

Kiosk: 60A

Surface Modification with Phosphonium Polyelectrolytes

Kara Jolly; Clemson University

Alycia Frampton; Susquehanna University

Kiosk: 61A

The Development of a Verification Method for the Field Detection of Trace Illicit Drugs Using Ion Mobility Spectrometry

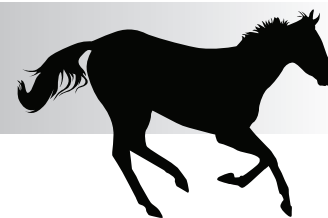
Alexandria Combs, Daniel Wicker; Centre College

Kiosk: 61B

Unimolecular Rate Constants for the 1,2-HCl Eliminations From Chemically Activated CF₃CH₂CCl₃, CH₃CH₂CCl₃, and CH₃CCl₃

Martha Turpin; University of North Carolina, Asheville

Poster Session 6



Communications

Kiosk: 19A

Effects of Heuristic Cues on Information Processing and Attitude Formation in Social Media Marketing
Jason Waterman; Elon University

Kiosk: 61C

Modern Food and Drink Television Commercials: Reinforcing Children's View of Gender Role Stereotypes
Ashley Moy; Virginia Commonwealth University

Computer Science

Kiosk: 19B

An Adaptive Online System for Calculating Lexical and Sublexical Components of Children's Literature
Jennifer Gerometta, Stephen Rodriguez, Eleni Catechis, Evan Johnson, Taylor Makinen, Matthew Stelnicki, Rina Rexha, MaryKate Ryan, Alexis Perez; Iona College

Kiosk: 19C

Efficient Assembly of DNA sequence using Genetic Algorithm
Parasher Ghimire; Fisk University

Kiosk: 62A

Multi-texture Analysis of Satellite Images using Bayes Point Machine
William Rich; Austin PEAY State University

Kiosk: 62B

Topic Segmentation and Text Coherence Detection in Wikipedia using Latent Semantic Analysis
Martin Torres, Tiffany Chu; California State University Stanislaus

Criminology

Kiosk: 20A

The Underground Nexus of Violence and Bondage: Establishing A Connection Between Terrorism and Human Trafficking
Robert Americo, Timothy Bannen, John Catalanotto; Iona College

Ecology & Organismal Biology

Kiosk: 1C

A Comparison of Peruvian and Ecuadorian Devils Gardens
Alexander Baxa, Jacob Herr; Saint John's University

Kiosk: 20B

*Aboveground and belowground interaction of hydrogen cyanide and extrafloral nectary expression in Lima bean (*Phaseolus lunatus*)*
Cara Smith; Susquehanna University

Kiosk: 20C

Does Pond Size Matter? Fall Odonate Pond Size Preferences on the Jacksonville University Campus, Jacksonville, Florida
Ariel White; Jacksonville University

Kiosk: 21A

*Influence of Habitat on Ebony Jewelwing, *Calopteryx maculata*, Mating Activity and Movement in South Brook, Bridgewater, MA*
Rachel Toews; Bridgewater State University

Kiosk: 62C

*Reproductive Investment and Fecundity in *Callosobruchus maculatus*; A Re-examination of Bateman's Principle.*
Ajibola Bakare; Transylvania University

Kiosk: 63A

Using Bioacoustics to Monitor Amphibian Species in Urban Wetland Sites
Michael Fuerte; University of Wisconsin, La Crosse

Economics

Kiosk: 21B

Consumer Confidence Indicators for Northern Minnesota and Northwest Wisconsin
Calvin Wing; University of Wisconsin, Superior

Kiosk: 21C

Market strategy of Chinese Educational Agencies
YiFan Zhu; Ohio State University



Poster Session 6

Kiosk: 63B

Variables Influencing Student Success and Success in the Work Force

Connor Lewis, Amanda Wiener; University of Minnesota-Morris

Education**Kiosk: 2A**

Break Before You Start

Alexandria Wages Robinson, Allison Blair; Morehead State University

Kiosk: 22B

Investigating the effects of the use of robotic patient simulators on pharmacy teaching at the University of Central Lancashire
Anwar Irhouma; University of Central Lancashire

Kiosk 22C

Sheltered English Immersion: Você não fala inglês? No problem.

Kristin Arnold; Bridgewater State University

Kiosk: 63C

The pursuit of STEM (Science, Technology, Engineering and Math) careers from a Middle Eastern Perspective

Alyssa Sandner; Montana State University, Bozeman

Electrical Engineering**Kiosk: 2B**

Evolvable Mixed-Signal Hardware Engine for PSoCs

Ian Barge; Milwaukee School of Engineering

Engineering/Engineering Technology**Kiosk: 2C**

A Natural Alternative to Conventional Solar Cells

Derek Duncan, Derek Duncan, Nathaniel Barr; University of Alabama

Kiosk: 23A

Anti-icing Effectiveness on Pavements

Thu Nguyen, Andrew Pfeffer; Minnesota State University, Mankato

Kiosk: 23B

Design of the Next Generation of Gel Phantom Mimics

DeMarkus Butler; University of Kentucky

Kiosk: 64A

Hotwire Measurement System for Investigation of Rotating Stall Inception in the University of Kentucky Low Speed Axial Compressor

Elisabeth Morris; University of Kentucky

Kiosk: 64B

Modeling and Sizing of Energy Storage Devices for Wind Power Generation

Darwin Cordovilla; University of Evansville

Kiosk: 64C

Strength Testing of Welded Pre-manufactured Modular Systems

Robert Kostick; University of Minnesota, Duluth

Kiosk: 65A

Water Infrastructure and Sustainability and Health in Alabama's Black Belt

Holly Poole; University of Alabama

Environmental Studies & Sciences**Kiosk: 3A**

A Four Year Mathematical Analysis as a Predictor of Dams Impact on Biodiversity and Stream Recovery

Aimee Turner; Drexel University

Kiosk: 23C

Comparison of the Ecology of three Agricultural Soils, one treated with Synthetic Pesticides, one with Organic Pesticides, and one without any Pesticides.

Caitlin Birmingham; California University of Pennsylvania

Kiosk: 24A

Examining Air Quality and Synoptic Meteorology from 2002-2012, in Houston, Texas

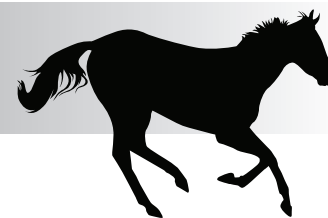
Kaitlin Leachman; Texas Tech University

Kiosk: 24B

Irrigation Project

Lauren Settles, Brad Hagan; University of Kentucky

Poster Session 6

**Kiosk: 65B**

Predatory Insect Populations in Native Perennial and Pasture Borders in Central Kentucky
Leticia Estill, John Sedlacek, Karen Friley; Kentucky State University

Kiosk: 65C

The effect of in-utero mercuric chloride exposure on spatial discrimination in sprague dawley rats who's dams were fed a high and low selenium based diet
Porsha Thomas; Tuskegee University

Geography & Earth Sciences**Kiosk: 3B**

CHARACTERIZING WATER-RELATED LAND USE DIFFERENCES ACROSS URBAN RIVER REACHES
Dusty Pilkington; Weber State University

Kiosk: 24C

Glacier Recession on Kilimanjaro: A Comparison of Different Mapping Approaches
Sarah Pierce; Westfield State College

Kiosk: 25A

Polarimetric radar analysis of the microphysics of charge separation in an MCC event on June 15, 2013
Kun-Yuan Lee, Levi Boggs; University of Nebraska, Lincoln

Health Sciences & Public Health**Kiosk: 4A**

"Don't Give Up We Can Help! Oral Treatment for the Oncology Patient"
Kimberly Conley, Farrah Keedy; Westmoreland County Community College

Kiosk: 5C

TRAUMATIC KNEE INJURY IN A COLLEGIATE FOOTBALL PLAYER
Nichole Eads; Western Carolina University

Kiosk: 25B

An EMS Stress Model and Clues to Why they Quit
Cassandra Southam, Cassandra Southam, Kent Hinkson; Utah Valley University

Kiosk: 25C

Deep Thigh Pain in a Female Collegiate Softball Catcher: A Case Report
Theresa Lau; Ithaca College

Kiosk: 26A

Evidence-Based Anterior Cruciate Ligament Orthopedic Special Tests Vs. Gold Standard In Clinical-Based Practice
Tabitha Maurer; California University of Pennsylvania

Kiosk: 26B

Gender Differences in the Link between Hooking Up and Alcohol
Dana Nocera, Rose Marie Ward; Miami University

Kiosk: 26C

Patterns of Disordered Eating and Body Perception among the Dietetics Student Social Network
Teresa Schwendler; Miami University

Kiosk: 66A

Replacing standard amniocentesis with cff DNA testing
Danarubini Ramanan; Virginia Commonwealth University

Kiosk: 66B

The Effect of Communication Partner Training on AAC Users
Jessica Phillips; Eastern Illinois University

History**Kiosk: 4B**

Brown v. Board: The Racial Meridian
Hayden Smith; University of Utah

Kiosk: 27A

Martha Ballard: An Early Female Capitalist
Kelli Richards; Bridgewater State University

Interdisciplinary Studies**Kiosk: 4C**

Grief and Bereavement Curriculum Development
Jesslyn Truesdale; Northern Illinois University

Kiosk: 27B

Methods in Visual Mathematics: Reductionism in Researching Mathematical Principles in Art
Lauren Colie; Virginia Commonwealth University



Poster Session 6

Kinesiology & Exercise Science

Kiosk: 5A

Comparison of Hand-eye Coordination between Gymnasts, Soccer and Tennis Athletes

Emily La Fountaine, Kaitlin Lang; Gustavus Adolphus College

Kiosk: 27C

Differences among psychological and physiological factors between individuals who consume caffeinated soft drinks compared those who do not

Laura Dobler; Gustavus Adolphus College

Kiosk: 28A

Outcomes of Individualized Personal Training Programs for Three Adult Siblings with Autism

Mitchel Sermersheim; Indiana University-Purdue University Indianapolis

Kiosk: 28B

The Effects Of High Intensity Interval Training (HIIT) on Oxygen Uptake and Rate of Perceived Exertion In Soccer Players

Bertille Foncha; Gustavus Adolphus College

Kiosk: 28C

Y-test Determination of Injury Preventiveness within Milwaukee Firefighter Recruits

Amanda Van Dorin; University of Wisconsin, Milwaukee

Linguistics & World Languages

Kiosk: 5B

Ellipsis sentences and levels of structure

Emily Holley; Morehead State University

Marketing

Kiosk: 6A

Do Brands Targeting Women Use “Instamarketing” Differently: A Content Analysis

Areej Hassan; Minnesota State University, Mankato

Mathematics

Kiosk: 1A

GPU Accelerated Approach to Numerical Linear Algebra and Matrix Analysis with CFD Applications

Adam Phillips; University of Central Florida

Kiosk: 6B

Analysis of Population Dynamics of Terrorist Cells using Applied Mathematics

Amanda Dorman; Linfield College

Kiosk: 29A

Dynamical Systems and Circle Maps

Steven Metallo; Carthage College

Kiosk: 29B

Orthogonal Polynomials to Model Mutations in Cystic Fibrosis

Saba Nafees; Texas Tech University

Microbiology & Immunology

Kiosk: 7A

Detection of Batrachochytrium dendrobatidis, chytrid fungi, in amphibians from lower Pennsylvania.

Taylor Gaston; Austin PEAY State University

Kiosk: 29C

Identification of Role of RMF and HPF on Cell Viability and Antibiotic Susceptibility of Pseudomonas aeruginosa PAO1 Strain

SILA YANARDAG; Montana State University, Bozeman

Kiosk: 30A

Probiotic strain Lactobacillus rhamnosus GG as a vaccine adjuvant in a novel human gut microbiota associated gnotobiotic pig model

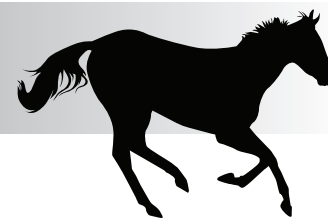
Christine Tin; Virginia Tech

Kiosk: 30B

Variance of Toxin Producing Clostridium botulinum in Utah Honey

Tamara Fox, Laura Tucker; Weber State University

Poster Session 6



Neuroscience

Kiosk: 7B

A Correlational Study of Dementia Types and Age
Ciara Sims, Lauren Kennedy; Roanoke College

Kiosk: 30C

Development of electrochemiluminescent enzyme linked immunosorbent assay for accurate and reproducible quantification of synaptophysin and PSD-95 in mouse brain tissue.

Jesse Matherly; University of Kentucky

Kiosk: 31A

Environmental Enrichment Mitigates Seizure Severity in Adolescent Rats

Danielle Giangrasso, Sarah Yoder; Appalachian State University

Kiosk: 31B

Metabolic Impacts of Cigarette Smoke on RPE and Muller Cells of Complement Compromised Mice

Alexandra Butler; University of Utah

Kiosk: 31C

Peripheral Radiation Induces Cognitive Deficits and Impairs Neurogenesis

Nirlipta Panda; University of Rochester

Kiosk: 32A

The Effect of Orexin Signaling in the Raphe Pallidus on Brown Adipose Tissue Thermogenesis and Physical Activity

Rachel Lee, Cayla Duffy; University of Minnesota, Twin Cities

Kiosk: 32B

Time-dependent effects of trigeminal nerve injury on anxiety and depressive like behavior in the rat: preclinical modeling of orofacial pain.

Austin Stratton; University of Kentucky

Nursing

Kiosk: 7C

Addressing Needed Changes of Friedman's Labor Curve in Attempt to Improve Contemporary Maternal and Infant Outcomes in the United States of America

Rebekah Bhansali; Baylor University Waco-University Development

Kiosk: 32C

Correlating Menstruation & Alcohol

Angelica MacDonald, Larissa Milne, Alexandra Buelow; Gustavus Adolphus College

Kiosk: 33A

Exploring Sleep Quality of First Year Students Related to Sleep Patterns and Lifestyle

Lyndsi Schwichtenberg; Gustavus Adolphus College

Kiosk: 33B

High Fidelity Simulations: Does Experience Help a Nursing Student's Performance?

Danielle Freiji; Stevenson University

Kiosk: 33C

Nurses' Perception of Family-Witnessed Resuscitation

Rachael Chlebowy; University of Louisville

Kiosk: 34A

Self-efficacy and action control behavior of nutrition and physical activity in a community sample of adults

Kathleen Newsome; Indiana University-Purdue University Indianapolis

Kiosk: 34B

The Role of Chewing Gum in Reducing Postoperative Ileus

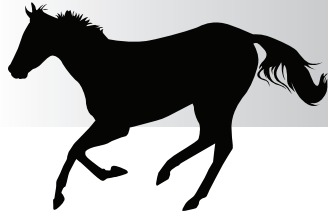
Alexandra NCUR® 2014 Stengle; Baylor University Waco-University Development

Nutrition

Kiosk: 8A

INTRAUTERINE GROWTH RESTRICTION ALTERS ESTROGEN SERUM LEVELS AND SIGNALING IN RAT ADIPOSE TISSUE IN A SEX DEPENDENT MANNER

Danielle Holliday; University of Utah



Poster Session 6

Physical/Occupational Therapy/Speech Language Pathology

Kiosk: 8B

Effects of aerobic exercise training on diaphragm muscle metabolism in a rat model of Pulmonary Arterial Hypertension.

Angela Pittman; Indiana University-Purdue University Indianapolis

Physics

Kiosk: 8C

Deposition of Polyethylene glycol onto the Stainless steel using atmospherical plasma

Junxiang Xu; University of Wisconsin, Whitewater

Kiosk: 34C

Magnetic Ferrofluids as Hyperbolic Metamaterials

David Lahneman; Towson University

Kiosk: 35A

Optical Laser Trapping to Determine the Malignant Potential of Cancer Cells

James Dupuis, Keidra Freshwater, Nicole Walker, Cody Cobble, Neha Gupta, Allison Hix, Haley Williams; Middle Tennessee State University

Kiosk: 35B

Synthesis of Single walled Carbon Nanotubes form alcohol

Chibuzor Ugwu; Fisk University

Physiology

Kiosk: 9A

Effects of Ischemia in Astrocytes

Lauren Cartwright; University of Kentucky

Kiosk: 35C

Mechanism Underlying Norepinephrine-Induced Transition Ventricular Tachycardia to Ventricular Fibrillation in Arrhythmogenic Canine Model of Nonischemic Heart Failure

Anjam Islam; University of Alabama at Birmingham

Kiosk: 36A

The effects of Cholesterol in the Protein-Protein Interaction in Neuron Cells of Mammals

Sanjana Kulkarni; Wayne State University

Political Science

Kiosk: 9B

African Americans' Changing Perception of the Confederate Flag as a Political Symbol

Thomas Odom; Hendrix College

Kiosk: 36B

Effect of Oil Pipeline Spills on Adoption of State-Level Policies

Sasha Keck; Hendrix College

Kiosk: 36C

Redefining Coup Success

Emily VanMeter; University of Kentucky

Psychology

Kiosk: 9C

"Pinpointing Perceptions of the Moral Make-up of Atheists and the Associations between Immoral Behavior and Atheists"

Chase Herndon; University of Kentucky

Kiosk: 10A

Antisocial Personality Disorder across Diagnostic Models

Katie Lingeman; University of Kentucky

Kiosk: 37A

Assessing the Impact of Social Media on the Risky Sexual Behaviors of College Students

Courtney Bryant; Tuskegee University

Kiosk: 37B

Blockade of glucocorticoid receptors decreases cocaine self-administration in an environment-dependent manner

Molly Listerman, Nikki Klein; University of Kentucky

Kiosk: 37C

Cocaine Shares Discriminative Stimulus Effects with Methamphetamine

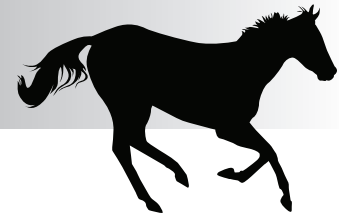
Destiny Singleton; University of Kentucky

Kiosk: 38A

Creating a Discipline-Specific Measure of Critical Thinking in Psychology

Larissa Fox; Juniata College

Poster Session 6

**Kiosk: 38B**

Do Science and Music Students Have the Same Learning Styles?

Mark Ivey; Capital University

Kiosk: 38C

EMS Personnel and the Effects of Divorce

Chelsey Kenney, Kent Hinkson, Cassie Southam, Steve Clements, Ty Martin; Utah Valley University

Kiosk: 39A

Facebook and Alcohol Consumption in College Students

Heather Hertenberg; Northern Kentucky University

Kiosk: 39B

Goal Comprehension Mediates the Relation Between ADHD Symptoms and Social Functioning Deficits

Madeline Doran; University of Kentucky

Kiosk: 39C

Improving Communication of Headings by Text-to-Speech Software

Quiyana Murphy, Paola Ogadzhanova, Claire Cambron, Aqeel Jawahir; University of Kentucky

Kiosk: 40A

IS SUSTAINED ATTENTION IMPORTANT FOR THE TESTING EFFECT?

Maria Almoite, Jessica Kay; Minnesota State University, Mankato

Kiosk: 40B

Masculinity and rape: The role of entitlement

Kyle Marmesh; University of Wisconsin, La Crosse

Kiosk: 40C

Origins of Joy: Ultrasonic Vocalization in Selectively Bred Rats

Rachel Lapidus; Occidental College-

Kiosk: 41A

Perceptions of Intimate Partner Rape in the Courtroom

Hannah Kembel; University of Kentucky

Kiosk: 41B

Priming the Origins of Morality: Automatic Reduction of Implicit Biases Associated with Atheists

Tommy Mudd; University of Kentucky

Kiosk: 41C

Relaxation training as a counter to the nocebo response that occurs during post-chemotherapy symptoms

Savannah Coleman; Virginia Commonwealth University

Kiosk: 42A

Sexual Orientation Minorities' Stereotypes about Heterosexual, Bisexual, and Gay/Lesbian Men and Women

Taylor Vossen; University of Wisconsin, Eau Claire

Kiosk: 42B

Student Perceptions, Performance and Motivation in the Core Curriculum

Michael McCormick, Kelli Furney, Bentley Munsell; Massachusetts College of Liberal Arts

Kiosk: 42C

The Effect of a Distinctive Facial Features on Verbal Descriptions and Identification

Kathryn Payne, Thomas Alley; Clemson University

Kiosk: 43A

The Effects of an At-Risk Label on the Attribution of Student Behavior

Olivia Hartwick, Kathleen Kubisiak; University of Wisconsin, La Crosse

Kiosk: 43B

The effects of violent music on aggression

Andrew Triplett; Ohio State University

Kiosk: 43C

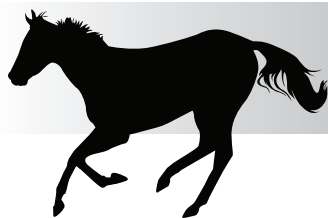
The relation between bullying and school connectedness taking into account the multi-component nature of bullying

Roya Zamani; University of Houston

Kiosk: 44A

The Use of Mindfulness-Based Interventions in Therapy

Valerie Provenza; Wells College



Poster Session 6-7

Kiosk: 44B

Veteran and Non-Veteran College Student Perceptions and Experiences

Brianna Werner; University of Illinois

Social Work**Kiosk: 10B**

Burnout and Resilience among Human Service Professionals in South Africa

Randi Winchester, Carolyn Egan; University of Wisconsin, Eau Claire

Kiosk: 44C

The Relationship between Parenting Styles and Aggressive Behavior Among High School Students

Asma Sheikh; Qatar University

Sociology**Kiosk: 10C**

Gender Roles in Multiplayer Gaming: Co-productions of Gender Roles in a Virtual Community of Practice

Andrew Siebenaler; University of Wisconsin, Stout

Kiosk: 45A

The Effect of Humor on Restaurant Tipping and Its Relation to Interpersonal Relationships

Quinsee Beach; Weber State University

Kiosk: 45B

Women of Focused Knowledge: Explaining the Success of Women Entrepreneurs

Rachel Weber; University of Wisconsin, Stout

Sustainability**Kiosk: 11A**

Classroom Aquaponics: Potential Tool for Fighting Urban Malnutrition

Ces Reyes; San Diego State University

SESSION 7**African American Studies****Kiosk: 11B**

*The Politics of Oscar Brown Jr.'s *Sin & Soul**

Anna Lombardo; Penn State University

Anthropology & Archeology**Kiosk: 11C**

Exploring Japanese Expatriate Mortuary Rituals and Objects

Gregory Marshall; George Mason University

Art History**Kiosk: 12A**

Analysis of Foliage in the 18th Century French Paintings of Artist Jean-Honoré Fragonard in Connection with Visual Suggestions of Erotica and the French Governmental Shift from Monarchy to Republic

Michael Walker; Virginia Commonwealth University

Astronomy**Kiosk: 12B**

Time Variation of the Cosmic Ray Anisotropy with the IceCube South Pole Neutrino Observatory

Henry Corbett; Guilford College

Biochemistry**Kiosk: 12C**

C. elegans: a Model for Whole Organism Drug Transport

Joanna Campbell; Centre College

Kiosk: 46B

Computationally Guided Drug Discovery of Human Prostate Specific Membrane Antigen (PSMA) Inhibitors

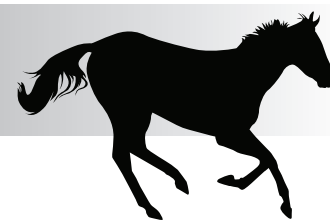
Roberto Tapia; University of Kentucky

Kiosk: 46C

Expression and Purification of Human Fibroblast Growth Factor-1 and Its in Vitro Interaction Studies with Kanamycin

Tori Buckley; Western Kentucky University

Poster Session 7

**Kiosk: 47A**

Identification of Steric Zipper Segments with Site-directed Mutagenesis

Shannon Esswein; University of California, Los Angeles

Kiosk: 47B

Investigation of the binding specificity of Calmodulin

Griff Motes; University of Kentucky

Kiosk: 47C

Structure Refinement of Helical Membrane Protein Using Lanthanide Ion Tagging

Danel Salazar; University of Rochester

Kiosk: 48A

PCR for amplification of WC2, an FRH-interacting protein

Laura Mortenson; Utah State University

Kiosk: 48B

Xanthine oxidase enzyme inhibition with novel coumarin derivatives; an approach toward reducing cellular oxidative stress.

Emily Hofmann; Northern Kentucky University

Biological Engineering**Kiosk: 13A**

Customized biomimetic scaffolds created by indirect three-dimensional printing for tissue engineering

Ju-Yeon Lee; University of California, Los Angeles

Kiosk: 13B

Identifying the biomechanical effects of UV-resistant nanoparticles on human skin

Sarah Nainar; Washington and Jefferson College

Kiosk: 48C

Stiffness of the Gerbil Cochlear Partition

Christopher Dawson; University of Rochester

Biology**Kiosk: 1A**

"Bacterial Pathogens (coliforms) and how seasonal weather patterns effect their growth"

Tiffany Guthrie; California University of Pennsylvania

Kiosk: 2B

The effects of GABA on development, behavior and survival in Drosophila.

NADERA DABBAIN, JUSTIN GRAFF, ZANA MAJEED, ROBIN COOPER; University of Kentucky

Kiosk: 6C

Fungal endophytes studies in Guzmania passion

Cameron Ketch, Shane Maryott, Jared Roberts; Utah Valley University

Kiosk: 13C

A STUDY OF ASSOCIATIVE LEARNING AND MEMORY IN CHAMBERED NAUTILUS, NAUTILUS POMPILIUS

Kay Zin Tun; Brooklyn College

Kiosk: 14A

Analysis of Bm-daf-16a function in Brugia malayi

Lee Smith; University of Wisconsin, Whitewater

Kiosk: 14B

Antimicrobial properties of the Naja atra peptides against

Staphylococcus aureus and Pseudomonas aeruginosa

Tayyaba Feroze; George Mason University

Kiosk: 14C

Barriers to the Habitat of the Southern Flying Squirrel

Stephanie Noyes, Kyle Gronbeck; Saint John's University

Kiosk: 15A

Canopy Openness Effects on Vegetation Richness

McKenzye DeHart-McCoyle; Western Carolina University

Kiosk: 49A

Characterization of the Role of CAV1 in Cellular Proliferation Pathways in a CD4+ T Helper Cell

Brittany Conroy; University of Nebraska at Omaha

Kiosk: 49B

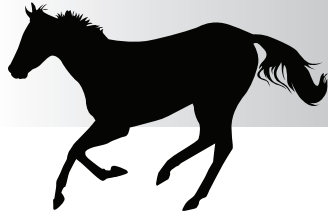
Comparing the Effects of Compact Fluorescent and Incandescent Light Bulbs on the Structural Integrity of Nanoparticle-Photosensitized DNA

Logan Boyle; University of Wisconsin, Whitewater

Kiosk: 49C

Do wolf spiders orient and navigate using magnetic fields?

Matthew Brady; Susquehanna University



Poster Session 7

Kiosk: 50A

Effects of Varying Concentrations of Folic Acid on Neural Development
Celeste Underriner, Morgan Kosar; University of Northern Iowa

Kiosk: 50B

Evaluation of the IDEXX Pregnancy Detection Assay for Milk Samples
Bradley Lawson; University of Kentucky

Kiosk: 50C

Factors Contributing to Variability in the Occurrence of Alarm Cells in a Minnow Species
Justin Walkoviak, Katlynn Kralewski; University of Wisconsin, Eau Claire

Kiosk: 51A

Impact of Corexit 9500 on Daphnia magna Survival: A Toxicological Assessment
Sabrina Carr; Syracuse University

Kiosk: 51B

Investigating the anomaly of mycobacteriophage Squid: a temperate phage that lacks an integrase
Beth Klein, Benjamin Massat; Carthage College

Kiosk: 51C

Length of exposure to kairomone and alarm cues affects helmet formation in Daphnia mendotae
Alina Burks; Hamline University

Kiosk: 52A

Monitoring sleep in dairy cattle
Jenna Klefot; University of Kentucky

Kiosk: 52B

PathoMap: Mapping New York City's Microscopic Residents
Ebrahim Afshinnekoo; Macaulay Honors College - Queens

Kiosk: 52C

Probability of Normal Regeneration After Bite Injury in the Mexican Axolotl (Ambystoma mexicanum)
Sierra Thompson; University of Kentucky

Kiosk: 53A

Rubidium s Substitute for Potassium in Rat Cardiac Tissue
Bisola Asaolu, Mai Vue; Minnesota State University, Mankato

Kiosk: 53B

Smooth Muscle Actin Wound Contraction in Primary and Progenitor Cells
Elizabeth Del Greco, Vivian Ong; Dominican University of California

Kiosk: 53C

STQFinder : A bioinformatics tool to identify putative novel genes involved in the DNA damage response
Medina Baitemirova, Lukas Cara; University of St. Thomas

Kiosk: 54A

The Adherence of Escherichia coli 0157:H7 on Lettuce Leaves over Time and Removal Technique using Chlorinated water
Karenzha Huwae; Minnesota State University, Mankato

Kiosk: 54B

The Fluorescence of Nanoparticles for Potential Medical Imaging
Robert Johnson; Johnson C Smith University

Kiosk: 54C

The Microbial Ecology of the Centralia, Pennsylvania Mine Fire: The Study of Sulfur-Reducing Bacteria
Alysha Melnyk; Susquehanna University

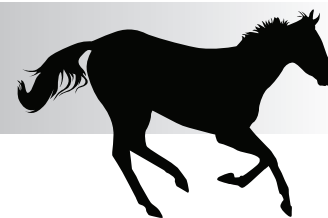
Kiosk: 55A

THE ROLE OF Rad52p ISOFORMS IN NUCLEAR AND MITOCHONDRIAL HOMOLOGOUS RECOMBINATION EVENTS
Hugo Avalos, Matthew Luther; State University of New York, Brockport

Kiosk: 55B

Understanding signaling in 4T1 cells using Co-immunoprecipitations and Computer Modeling
Tiffany Phuong; Lafayette College

Poster Session 7



Cell & Molecular Biology

Kiosk: 15B

An analysis of DNA Methylation in Response to Ethanol Exposure in Neurons
Shanika Kingston; Barry University

Kiosk: 15C

Comparison of Antibacterial Effects between Biologically and Chemically Synthesized Silver Nanoparticles
Ajit Deshpande; Western Kentucky University

Kiosk: 16A

Elucidating the Role of P5CDH in HIV Associated Neurocognitive Disorders (HANDs)
Katelyn Butler; Berea College

Kiosk: 16B

Genetic and Phenotypic Characterization of Woyotes: An experimental Hybridization of Western Wolf with Western Coyote
Lindsay Molinaro; Anoka-Ramsey Community College

Kiosk: 16C

Impact of Late Embryogenesis Abundant (LEA) Proteins on Osmotic Stress Tolerance in Mammalian Cells
Benjamin Poznic; Eastern Illinois University

Kiosk: 55C

Inhibition of Phosphorylated Serine 522 Beta-Catenin in Leukemia Stem Cells
Christopher Beaudoin; University of Missouri-Kansas City

Kiosk: 56A

Metagenomics indicates that microbial communities of fish guts vary by both trophic level and habitat
Katherine Parks, Mariana Anderson, William Moore, Jessica Cole, Stuart Gordon, Jeffrey Grim; Presbyterian College

Kiosk: 56B

Obesity Induced Leptin Mediated Notch Signaling in Breast Cancer
Kaamilah Wilson; Berea College

Kiosk: 56C

The Complete Chloroplast Genome of the Common Reed Phragmites australis: A Comparison of Introduced and North American Native Haplotypes
Katherine Updike, Michaelyn Hartmann, Cory Stewart, Kathleen Farry; Siena College

Kiosk: 57A

The Road Less Traveled: A Novel Approach to Hookworm Vaccines. Demonstrating Humoral-Based Host-Protection through the Development of Epitope-Specific, Well-Defined, Anti-Helminthic Vaccines.
Jonah Pearson; Concordia College, Moorhead MN

Kiosk: 57B

Using yeast as a model to understand how distinct gene expression profiles are achieved in cell development
Scott Fitzgerald; University of Wisconsin - Parkside

Chemical Engineering

Kiosk: 17A

Multicellular Spheroids Compared to Conventional Cell Culture in the Evaluation of Synergistic Hyperthermia and Chemotherapy in the Treatment of Lung Cancer
Kendall Huddleston; University of Kentucky

Chemistry

Kiosk: 17B

Analysis of CdSe and CdTe Quantum Dots in Solar Cells
Ashley Wingert; Black Hills State University

Kiosk: 17C

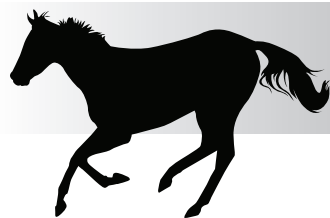
Beer Analysis: Determining Bitterness and Free Amino Nitrogen Content
Megan Keller; Eastern Kentucky University

Kiosk: 18A

Conjugate Addition of Vinylogous Esters to Boronic Acids
Tho Tran; University of Houston

Kiosk: 18B

Direct Electrodeposition of Graphene Oxide on a Pt Electrode and its Potential as an Electrocatalyst Support Material
Matthew Moesta; Penn State Erie, The Behrend College



Poster Session 7

Kiosk: 18C

Electron Transfer Reactivity of Binuclear Manganese Complexes of a Macrobicyclic Ligand
Lori-Ann Williams; Kalamazoo College - General Office

Kiosk: 57C

Formulation and Long-term Stability of Enzyme Layers for Biosensors

Dylan Perraut, Connor Smith, Kevin Elmer; Eastern Kentucky University

Kiosk: 58A

INCREASING THE SOLUBILITY OF TAMOXIFEN, AN ANTICANCER DRUG

Paige Lewis; Lindsey Wilson College

Kiosk: 58B

*L-Factor synthesis: Preparation for sex pheromone synthesis of the *Nasonia vitripennis* Walker jewel wasp*

Lisa Eytel; Russell Sage College

Kiosk: 58C

Novel cobaloximes as electrocatalysts for hydrogen production
Corbin Ester; Appalachian State University

Kiosk: 59A

*Post-Melt Isothermal Crystallization of Poly(Ethylene Oxide)-*b*- Poly(*ε*-Caprolactone) Films*

Christopher Nardi; Allegheny College

Kiosk: 59B

Propagated Uncertainty in Scattering in Humidified Nephelometers

Hadi Morrow, Anne Jefferson, Jim Sherman, John Ogren; Appalachian State University

Kiosk: 59C

Solvent Development for Carbon Dioxide Capture
Steven Chapman; University of Kentucky

Kiosk: 60A

Survey of the Sources of Contamination within the Upper Tributaries of the Portage Watershed to Reduce the Economic and Ecological Impacts of Harmful Algal Blooms in Lake Erie
Nadejda Mirochnitchenko, Kelsey Ruckert; Bowling Green State University

Kiosk: 60B

SYNTHESIS OF ENAMINONES UTILIZING COPPER CATALYSTS.

Maria Castaneda, Michael Nguyen, Matthew Vuong, Kun Miao, Erika Lopez, Alex Chong, Nisha Rajagopal, Ashley-Elizabeth Johnson; University of Tulsa

Kiosk: 60C

Synthesis, isolation, and pharmacological analysis of analogues of nicotine: benzylidene substituted Myosmines
Thu Nguyen; Eastern Washington University

Kiosk: 61A

The green catalytic oxidation of Fluorene related aromatic compounds

Paul Chazovachii; College of St Scholastica

Kiosk: 61B

Use of Biochemical and Genetic Approaches to Search for Ancestors of Mammalian Mannolipid Flippases
Stephanie Carpenter; University of Kentucky

Communications**Kiosk: 1B**

A Cross-cultural comparison of the Effects of Family and Peer Relations on Subjective Life Satisfaction

Katherine Pitchford, Kathryn Acker; Hope College

Kiosk: 19A

Does Gender Matter?: Writing Strategy Differences in Male and Female Sports Journalists

Natalie Fedder; Eastern Illinois University

Kiosk: 61C

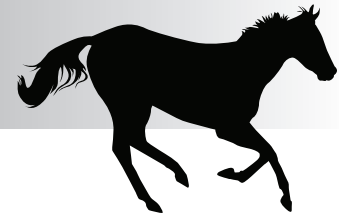
Pre-Concieved Notion: How Political Ideology and Information-seeking Behavior Effects One's Perception of Health Care Reform

Maximilian Eveleth; Roanoke College

Computer Science**Kiosk: 19B**

Analyzing Techniques for Robotic Localization and Mapping
Randall Pittman, Thomas Lux; Roanoke College

Poster Session 7

**Kiosk: 19C**

Emergency Management and Relief using Geographic Information Systems (GIS)
Jheanelle Linton, Kevon Scott; Johnson C Smith University

Kiosk: 62A

Navigating the Web with Graph Theoretic Structures
Zachary Petrusch, Nicholas Botzer; Slippery Rock University of Pennsylvania

Kiosk: 62B

TranTracker: A Tracking System for Campus Shuttles
Christopher Ward; Western Carolina University

Dance**Kiosk: 20A**

Comparing the activation of two bilateral muscle groups during a passé retiré en relevé at and away from the barre
Colette Dong; Elon University

Ecology & Organismal Biology**Kiosk: 20B**

Alterations in Survivorship, Development, and Fecundity of Aquatic Vertebrates Raised in Coliform-Impaired Environmental Water Sources
Nicholas Carrara; Longwood University

Kiosk: 20C

Drought Tolerance in Adult versus Resprout Oaks in the Davis Mountains
Joshua Willms; Texas Tech University

Kiosk: 21A

*Oxygen and pH Impacts on the Statolith Development of *Doryteuthis opalescens**
Chelsea Choi; University of Rochester

Kiosk: 62C

Root-zone oxidation patterns and their relations with biomass production of wetland plants as affected by initial planting diversity
Danielle Rigley; George Mason University

Economics**Kiosk: 1C**

A Longitudinal Study Of Hispanic Segregation: Delavan, Wisconsin 2001-2011
Brendon Mendoza; University of Wisconsin, Whitewater

Kiosk: 21B

Cost-Shifting and the Patient Protection Affordable Care Act: A Washington State Case Study
Kyra Sims; Eastern Washington University

Kiosk: 21C

Patterns of Growth in China: 1978 - 2003
Kathryn Waldron; Wheaton College - Illinois

Kiosk: 63A

The Cost and Benefit of Public Health Initiatives in Response to Pandemics Throughout History
Hannah Sanders; Wittenberg University

Kiosk: 63B

What are the determinants of student success in college courses?
Keri Potter; California University of Pennsylvania

Education**Kiosk: 2A**

CASA: Tutor's Perceptions of an After-School Academic Program
Alexandria Klomprens, MacKenzie Brady; Hope College

Kiosk: 22A

Early Identification and Preventative Language Intervention with Diverse Kindergarteners: A Small-scale Randomized Control Trial
Chelsey Gardner, Christina Heitzinger; Northern Arizona University

Kiosk: 22B

Latino student's perceptions of educational involvement of mother/female guardian's compare to the father/male guardian and other members of the family
Daniela De Sousa Arocha, Christianna Snyder, Megan Guerra; Milligan College



Poster Session 7

Kiosk: 22C

Smart or Not So SmartBoards?: A Look at Interactive Whiteboards in the Classroom
Nicole Akin; Bridgewater State University

Kiosk: 63C

The Relationship Among Vocalizations, Contextual Conditions and First-Word Productions in One-Year Olds.
Allison Hodorowicz; University of Wisconsin, Whitewater

Engineering/Engineering Technology**Kiosk: 23A**

Anti-icing Effectiveness on Pavements Research
Andrew Pfeffer, Thu Hoang Anh Nguyen; Minnesota State University, Mankato

Kiosk: 23B

Developing Gas Sensors Based on Copper Oxide (CuO) Nanowires
Skyler Kern, Buchanan Polya; University of Alaska Anchorage

Kiosk: 46A

AERODYNAMIC PERFORMANCE OF SMALL UNMANNED AERIAL VEHICLES (UAV)
Matt Ball; University of Utah

Kiosk: 64A

Impact of Leisure Noise Levels Revised (Case Study)
Brian Connolly; University of North Carolina, Asheville

Kiosk: 64B

Moment-Rotation Behavior of Column Base Plate Connections in Low-Rise Metal Buildings
Josue Navarro; University of Houston

Kiosk: 64C

Synthesis and Characterization of Silicon-carbide Nanowires
Jacob Pederson, Kelsey Steinke, Kyle Tollefson; University of Wisconsin, Eau Claire

Kiosk: 65A

Water Sustainability Through Rainwater Harvesting: Design and Outreach
Taylor Hinkle, James Allard, Nathaniel Morhouse; Norwich University

Environmental Studies & Sciences**Kiosk: 3A**

A Single Step Synthesis and Characterization of Rhodamine Nanowires & Nanospheres for Catalytic Applications
Fenil Chavda, Yogesh Kherde, Monic Shah, Will Hamilton; Western Kentucky University

Kiosk: 23C

DEET effectively repels the brown dog tick, Rhipicephalus sanguineus, in a novel ex vivo bioassay
Philip Meade; Manhattanville College

Kiosk: 24A

Fire Safety, Defensible Space, and Biomass
Kelsey Lardner; Dominican University of California

Kiosk: 24B

Looking at Crime Through a Public Health Lense
Mary Hughes; Western Carolina University

Kiosk: 65B

*Regeneration of *M. acuminata* in Tompkins County, NY*
Rebecca Sibner; Ithaca College

Kiosk: 65C

The effect of streamside management zones on substrate colonization patterns by aquatic insects
Anne Preston; Transylvania University

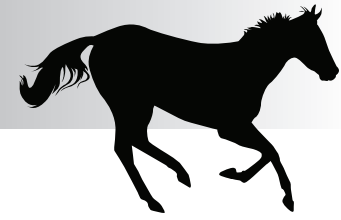
Geography & Earth Sciences**Kiosk: 3B**

Climate Change Across North America According to the Koppen Classification Scheme
Ashley Vedvig; University of Wisconsin, Whitewater

Kiosk: 24C

Johnny Appleseed: Trees and Travels, Matthew Hellyer
Matthew Hellyer; Carthage College

Poster Session 7

**Kiosk: 25A**

Seeing Past the Aisle: Community views on local and alternative food networks

Alexandra LaBonte; University of Wisconsin, Whitewater

Kiosk: 4A

A Comparative Analysis of the Relationship Shared by Sleep Disorders and Diabetes: A Review

Jess Copeland; Boise State University

Kiosk: 25B

An Evaluation of Motivators for Colonoscopy Screening Compliance

Holly Wright, Holly Wright; Weber State University

Kiosk: 25C

Do You Think That Electronic Health Record's Will Deliver Better Quality of Care?

Vanessa Murphy; Westmoreland County Community College

Kiosk: 26A

Exploring college student alcohol consumption patterns through social network analysis

Rachel Ronau; Miami University

Kiosk: 26B

Halloween and Alcohol Consumption

Christina Xidas; Miami University

Kiosk: 26C

Perceptions of Malaria in Khwisero District, Kenya

Leanna Hansen; Montana State University, Bozeman

Kiosk: 66A

Risk of Incident Heart Failure and Mortality in Older Former Smokers with up to 15 years of Abstinence: Findings from a prospective population study

Amiya Ahmed, Kanan Patel, Inmaculada Aban, Ali Ahmed; University of Alabama at Birmingham

Kiosk: 66B

THE EFFECT OF PULSED SHORTWAVE DIATHERMY, MOIST HOT PACK AND PASSIVE STRETCHING ON HAMSTRING FLEXIBILITY

Sarah McNamara; Western Carolina University

History**Kiosk: 4B**

Campaigns for the Land of the Great Khan: the Chinese and Russian Struggle for Hegemony over Outer Mongolia, 1911 – 1922

Zi Yang; George Mason University

Kiosk: 27A

Powerless Resistance: The American Slave as a Subaltern

Samantha Rescigno; Adelphi University

Interdisciplinary Studies**Kiosk: 4C**

Identification of the Role of Endosymbiotic Bacteria in Marine Environments: An Interdisciplinary Approach to Biological Research

Andrew Martin, Kurtiss Keefner; Massachusetts College of Liberal Arts

Kiosk: 27B

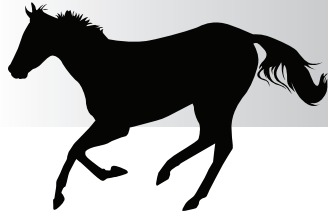
Monitoring the Effects of a High Capacity Well on Upper Phantom Lake, Wisconsin

Eric Doescher; University of Wisconsin, Whitewater

Kinesiology & Exercise Science**Kiosk: 5A**

Comparison of Hip Flexor Length Between Collegiate Hockey Athletes and Collegiate Non-Athletes and Implications for Low Back Pain

Maggie King, Molly King; Gustavus Adolphus College



Poster Session 7

Kiosk: 27C

Differences in Body Image and Perceived Versus Actual Weight and Body Fat Percentage Between Individual Sport Athletes, Team Sport Athletes, and Non-Athletes
Brennan Benson, Anderson Amber; Gustavus Adolphus College

Kiosk: 28A

Party Now Pay Later: The Effect of College Alcohol Consumption on Future Income
Denise Buenger, Teresa Schwendler, Dana Nocera, Scarlett Shader; Miami University

Linguistics & World Languages**Kiosk: 5B**

False Memory Rate Comparison Between Word Initial and Word Final 't'
Ellen Abolt, Rebecca Lehr, Dylan Pearson; University of Wisconsin, Milwaukee

Marketing**Kiosk: 6A**

Keeping Up With Luxury Demand: How Early Stagnation of the Chinese Middle Class Could Contribute to a Rise in Counterfeit Luxury Good Consumption in the People's Republic of China
Alexander Ip; Virginia Commonwealth University

Mathematics**Kiosk: 6B**

Axiom of Choice across Mathematical Disciplines
Milica Taskovic; The George Washington University

Kiosk: 29A

Estimating the impact of obstructive sleep apnea treatment compliance and driver behavior on accident risk in commercial drivers
Alice Toll; University of Minnesota-Morris

Kiosk: 29B

Parameter Optimization for Preprocessing in fMRI Brain Image Analysis
Alessandra Mitchell; Slippery Rock University of Pennsylvania

Microbiology & Immunology**Kiosk: 7A**

Discovery and Characterization of Bacteriophage Larenn
Allyson King; Western Kentucky University

Kiosk: 29C

Identifying Critical Components of A Bacterial Adaptive Immune System
Joshua Carter; Montana State University, Bozeman

Kiosk: 30A

Purification of Antibodies Against Human Parainfluenza Virus type 3 Matrix Protein
Melissa Zins; University of Wisconsin, La Crosse

Kiosk: 30B

Virus Populations in Plasma and Tissues are Well-Mixed in RT-SHIV-Infected Macaques
Charles Coomer; Western Kentucky University

Neuroscience**Kiosk: 2C**

The Role of Dopamine Homeostasis on Dopaminergic Neuron Morphology, Function, and Fate in Drosophila.
Douglas Potts, Josh Titlow, Robin Cooper; University of Kentucky

Kiosk: 7B

A Single Enrichment Experience Activates Layers of Entorhinal Cortex in Rat
Casey Carlay; Appalachian State University

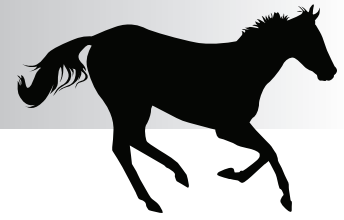
Kiosk: 9B

Studying the role of serotonin in neural circuit modulation and behavior in Drosophila melanogaster
Aubrey Bankemper, Zana Majeed, Robin Cooper; University of Kentucky

Kiosk: 30C

Developmental Differences in Implicit Learning of the Serial Reaction Time Task
Ishan Patel, Nikhil Adapa; Wayne State University

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**Kiosk: 31A**

Examining a Link between Paraquat, Alpha-Synuclein Fibrillation and Neurodegeneration

Nikhil Ailaney; Virginia Commonwealth University

Kiosk: 31B

Metabotropic Glutamate Receptor 4 Positive Allosteric Modulators Attenuate LPS-Induced Inflammation in Microglia Cells

Ranjani Ponnazhagan; University of Alabama at Birmingham

Kiosk: 31C

PERK inhibition of pathological tau production: Novel therapeutic strategy for tauopathies

Shelby Meier; University of Kentucky

Kiosk: 32A

THE EFFECTS OF EMPATHY IN LITERATURE ON PRE-HEALTH PROFESSIONALS

Lisa Hornsby, Max George; Weber State University

Kiosk: 32B

TIMEKEEPING IN HYPOCRETIN DEFICIENT MICE

Bret Guercio; Utah State University

Nursing**Kiosk: 7C**

African American Adults with Type 2 Diabetes: The Impact of Depression, Stress, and Anxiety on Diabetes Biomarkers and Self-Management Behaviors

Shane Watts; University of Louisville

Kiosk: 32C

Development and Validation of a Nausea Assessment Tool

Kelsey Koopman; University of Louisville

Kiosk: 33A

Family Function, Family Life Difficulty, and Traumatic Stress Symptoms in Parents of Young Children Undergoing Active Cancer Treatment: An Exploratory Study

April Roser; Indiana University-Purdue University Indianapolis

Kiosk: 33B

Impact of Maternal Psychosocial Wellness on Risk for NICU Admission

Mary Francis; University of Kentucky

Kiosk: 33C

Nursing Roles in Predicting Adverse Events in Hospitalized Patients

Julia Roland; Baylor University Waco-University Development

Kiosk: 34A

The Association Between Body Mass Index and Diet Plans in Older Adults with Osteoarthritis of Knee and Hypertension

Victoria Buck; University of Pittsburgh School of Nursing

Kiosk: 34B

TRANSCENDENCE IN OLDER ADULTS: A REVIEW OF RECENT LITERATURE

Jennifer Connelly, Elizabeth Carver; University of Louisville

Nutrition**Kiosk: 8A**

Vitamin D Status, Physical Function, and Muscle Lipid in Aged Adults

Nadine-Stella Achenjang, Sanjana Pampati; University of Kentucky

Physical/Occupational Therapy/Speech Language Pathology**Kiosk: 5C**

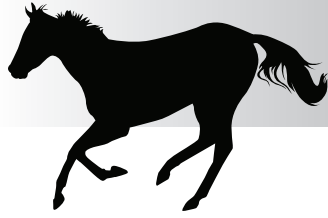
Use of iPad to Facilitate Peer-Peer Interaction in Child with Ectrodactyly-Ectodermal Dysplasia-Clefting (EEC) Syndrome

Quincy Conrad; University of Wisconsin- River Falls

Pathology**Kiosk: 8B**

Garment-integration and Washability of E-Textile Stretch Sensors for Astronauts

Mary Ellen Berglund; University of Minnesota, Twin Cities



Poster Session 7

Physics

Kiosk: 8C

Design of Optical Cavity for Atomic Frequency Comb Based Quantum Memory

Colin Cattanach; George Mason University

Kiosk: 34C

Metropolis Algorithm for Computational Molecular Modeling

Samuel Cupp; Austin PEAY State University

Kiosk: 35A

Organic Inorganic Hybrid High Reflectivity Bragg Mirrors

Anthony Donato; University of West Georgia

Kiosk: 35B

The Effect of Sonication and Surfactant Addition on the Properties of CNT/PMMA Composite Nanofibers

Valeria Capel; University of Puerto Rico at Humacao

Physiology

Kiosk: 3C

The effects of K⁺ on skeletal muscle and synaptic transmission in relation to deep tissue injury of muscle

shirin bigdeliazari, Ellen Burns, Esther DUPONT-VERSTEEGDEN, Robin Cooper, MADISON VAUGHN, Ashwatha Thenappan; University of Kentucky

Kiosk: 9A

Endogenous Kappa Opioid Receptors Play a Role in Angiotensin II High Salt Diet Hypertensive Rats

Tin Nguyen; University of the Incarnate Word

Kiosk: 35C

MitoNEET Expression and Oxidative Capacity in Neuronal Cell Based Models

Julia Ross; University of Rochester

Kiosk: 36A

The role of proteolytic processing in ENaC recycling and trafficking

Saad Ahmed; Washington and Jefferson College

Political Science

Kiosk: 36B

Foreign Influence in US Presidential and Congressional Elections

Emily Hurtt; University of Kentucky

Kiosk: 36C

SOCIAL CONNECTIVITY AND THE YOUTH VOTE: COMPARING YOUTH VOTER TURNOUT IN 1992 AND 2008

Daniel Simmons; Weber State University

Psychology

Kiosk: 9C

3-(Dimethoxybenzylidene)-Anabaseine (DMXB-A) Reduces Balance Deficits Following "3rd trimester" Ethanol Exposure in Female Rats

Alec Manuel; University of Kentucky

Kiosk: 10A

Approach/Avoidance & Action/Inaction: Priming Health Behavior

Alexandra Azanov; University of Michigan

Kiosk: 28C

Integrating with Grace

Maria Matty; University of Tennessee at Chattanooga

Kiosk: 37A

Athlete Wellbeing and Ill-being: Links to the Coach-Athlete Relationship

Gavin Allman; University of Central Lancashire

Kiosk: 37B

Blood Alcohol Levels and Hangover Symptoms

Christina Stone; Miami University

Kiosk: 37C

College Bullying: An Exploratory Analysis

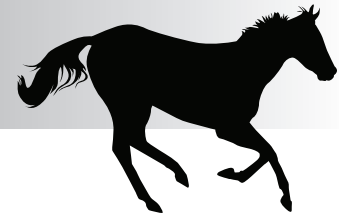
Amelia Perry; Longwood University

Kiosk: 38A

Detection of Sexual Orientation as a Function of Ovulation

Tyler Bridges-Parlet; University of Wisconsin, Eau Claire

Poster Session 7

**Kiosk: 38B**

Does The Importance of Moral Identity Predict (Un)Fair Behavior

Breana Gallagher, Vincent Reginella; Allegheny College

Kiosk: 38C

Evaluating how mobile technology can help reduce the incidences of cyberbullying

veronica angel; Eastern Washington University

Kiosk: 39A

Facial Feedback Hypothesis, Empathy and Faces

Kristina Cotroneo; Adelphi University

Kiosk: 39B

Handling Environmental and Internal Stressors in the Appalachian Region

Cody Nevins, Danielle Balsamo, Brittany O'Bryant, Daniel Hatch (PhD), Toralf Zschau (PhD); University of North Georgia

Psychology**Kiosk: 39C**

In-group prejudice in the workplace

Giulia Zanini; Northern Illinois University

Kiosk: 40A

Item Specific Processing Reduces False Memory in Collaborative Triads

Morgan Hale, Lauren Cook; University of North Georgia

Kiosk: 40B

Measurement Equivalence of the Decision-Making Involvement Scale with African American Parents

Rachel Johnson; University of Wisconsin, Milwaukee

Kiosk: 40C

Overcoming Gender Stereotypes of Spatial Abilities by Activating the Self-Serving Bias May Reduce Stereotype Threat

Sara Brunner; Black Hills State University

Kiosk: 41A

Personal Growth Mediates the Relationship between Mindfulness and Reductions in Identity Problems

Nina Talavera; University of Kentucky

Kiosk: 41B

Psychological Correlates of Mindfulness in Healthy Young Adults

Hemapreya Selvanathan, Tom Gugel, Zachary Donovan; University of Wisconsin, Eau Claire

Kiosk: 41C

Resiliency and Red Flags of PTSD and Suicide Among Utah EMS Personnel

Steven Clements, Kent Hinkson Jr.; Utah Valley University

Kiosk: 42A

Shades of Envy: The Effect of Sustained Envy and Target Likeability on Envy through Time

Logan Leathem; University of Kentucky

Kiosk: 42B

Teacher Praise in General Education Classrooms

Christina Bounds; Eastern Illinois University

Kiosk: 42C

The Effect of Anxiety on Self-Disclosure of Alcohol Use

Jacob Levine; Dominican University of California

Kiosk: 43A

The Effects of Arousal and Disfluency on Confirmation Bias

Nancy Guzman; North Central College

Kiosk: 43B

The Impact of Defendant Demeanor on Mock Jurors' Perception in a Child Sexual Abuse Trial

Faria Morshed; University of Kentucky

Kiosk: 43C

The Relationship between Childhood Stress, Personal Wellness, and Current Perceived Stress in Young Adults

Edward Diemer; Wartburg College

Kiosk: 44A

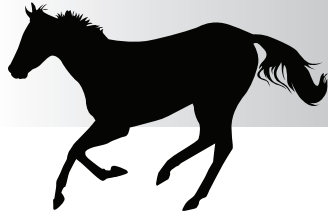
The Use of the Drug Propranolol to Reduce the Development of PTSD in Returning American Combat Soldiers

Mounika Abbareddy; Virginia Commonwealth University

Kiosk: 44B

What Would Authoritarians Do? Social Norms versus Submission to Authority

Daniel McClung, Shayna Yeates; Juniata College



Poster Session 7-8

Social Work

Kiosk: 10B

Faith-Based Social Services Offered by Churches to Communities in Central Chile
Hannah Yoder; Christopher Newport University

Sociology

Kiosk: 10C

GENDERED EFFECTS OF SCHOOL-AGED BULLYING ON EMERGING ADULTHOOD
Kristin Ziehl; University of Wisconsin, Stout

Kiosk: 44C

Pussy Riot, Putin and Internet Memes: The Limits of Soviet Style Authoritarian Leadership in the Internet Age
Tatiana Rosario; Beloit College

Kiosk: 45A

The Impact of a Citation on Underage Drinking Behaviors
Daniel Gissing, Jenalee Grabowski; University of Wisconsin, Stout

Sustainability

Kiosk: 11A

*Comparative analysis of *Bacillus thuringiensis* serovar *Israelensis* (Bti) and *Bacillus sphaericus* (BS) against *Culex* spp. larvae in laboratory and field assays*
Omar Cossio, Tashay Brown; Johnson C Smith University

Kiosk: 45B

RAINWATER HARVESTING IMPLEMENTATION INSTITUTIONAL AND HUMAN-RELATED OPPORTUNITIES AND CONSTRAINTS
Stephanie Mitts; Weber State University

Kiosk: 45C

The Sense of Wonder and the Humility It Takes
Lauren Madison; Hope College

SESSION 8

Anthropology & Archeology

Kiosk: 11B

All Eyes on Hurston
Jaclynn Morrow; University of Wisconsin, Oshkosh

Kiosk: 11C

Exploring the Relationship between Modernity and Religious Traditions in Contemporary India
Emily Schueller; Ohio State University

Art History

Kiosk: 12A

Egypt's Controversial Zahi Hawass
Robert Pristas; Radford University

Arts Education

Kiosk: 3C

The Design Educational Philosophy of the Early Bauhaus Applied to the VCUarts Art Foundation Program
Emily Kieber; Virginia Commonwealth University

Biochemistry

Kiosk: 12B

The Interaction of Gonadal Hormones with the Hypothalamic-Adrenal-Pituitary Axis and Its Consequences of the Development of Post-Traumatic Stress Disorder: An Analysis
Lindsay Kunik; Virginia Commonwealth University

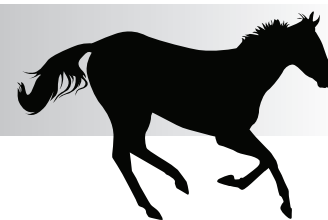
Kiosk: 12C

Cardioprotection: Estrogen's Role in Platelet Activation
Oresta Borodevyc; Drexel University

Kiosk: 46B

Contribution of the N-terminal Domain of Human Lysyl-tRNA Synthetase to tRNA^{Lys} Binding
Jacob Calhoun, Pearl Tsang, Sruthi Sundaram; University of Cincinnati

Poster Session 8

**Kiosk: 46C**

Fluorescence Analysis of Modified CUG RNA Repeats Responsible for Myotonic Dystrophy 1
Julie Kibui, Julie Kibui, Andy Berglund, Elaine DeLorimier;
Marywood University

Kiosk: 47A

Identifying Factors Responsible for Incomplete N-terminal Deformylation of Recombinantly Expressed Anti-TRAP
Jane Corwin; Ohio State University

Kiosk: 47B

Kinetic Parameter Derivation from Elementary Rate Laws and Easily Measurable Parameters
Zachariah Ingram; University of Alabama at Birmingham

Kiosk: 47C

Studying the Effects of Vitamin E on the Degree of Lipid Peroxidation in the Model Membrane System
Regina Friedl; Walsh University

Kiosk: 48A

The Mechanism of Acrolein-Induced Vascular Endothelial Permeability
Rajshekhhar Basak; Macaulay Honors College - City College

Biological Engineering**Kiosk: 13A**

Design, Construction, and Screening of an Alternative Scaffold Protein-Binding Combinatorial Protein Library
Samantha Mullins, Jessica Gambrel, Griff Motes; University of Kentucky

Biological Engineering**Kiosk: 13B**

Imaging the Three Dimensional Microstructure of Collagen Gels by Focused Ion Beam Scanning Electron Microscopy
Niloofar Farhang; University of Utah

Kiosk: 48B

Lipid-Coated Alginate Microgels as Drug Eluting Vessels
Connie Chung; University of Minnesota

Kiosk: 48C

The Study of Pervasive Protein Interactions via a Combinatorial Library Approach
Jessica Gambrel, Danielle Wingerter, Samantha Mullins;
University of Kentucky

Biology**Kiosk: 6C**

Genetic basis of color variation in pine sawflies
Taylor Shackelford; University of Kentucky

Kiosk: 13C

*Age and growth of the round goby (*Neogobius melanostomus*) from Lake Erie and a small invaded pond*
Rebecah Ford; Gannon University

Kiosk: 14A

*Analysis of changes in *Daphnia* heart rate in response to environmental stimuli using video recordings*
Cody Groen; Saint John's University

Kiosk: 14B

Application of Phage Display Technology to Establish Binding Partners to the Autophagy Protein ATG8 from Evolutionarily Diverse Organisms
Danielle Wingerter; University of Kentucky

Kiosk: 14C

Beta Trait Diversity Along a Shade Gradient in Pine Barrens in Western Wisconsin
Justin Walkoviak, Amanda Reed, Quinn Collins; University of Wisconsin, Eau Claire

Kiosk: 15A

Cell Proliferation in the Telecephalon of Adult Garter Snakes is Not Affected by Vomeronasal Nerve Lesions
Erin Davidowicz, Margaret Gerardi; SUNY Geneseo

Kiosk: 49A

*Characterization of Transposable Elements from the *En/Spm* Family in *Coprinopsis cinerea**
Colleen Britain; Roanoke College

Kiosk: 49B

Comparison of Column Chromatography Techniques For The Purification of Influenza A/NWS/33 (H1N1) Virus
Jorgen Madsen; Utah State University



Poster Session 8

Kiosk: 49C

Dopamine and Proline Induced Abnormalities in Zebrafish and Human Neuroblastoma Cells: Implications for the Pathogenesis of Schizophrenia
Courtney Veilleux; Iona College

Kiosk: 50A

Embryo Growth in Various Monocot Families
Claudia Mendoza; University of Kentucky

Kiosk: 50B

*Evidence of specialization in two populations of the red headed pine sawfly, *Neodiprion lecontei**
Mary Collins; University of Kentucky

Kiosk: 50C

Fecal score evaluations of pre-weaned dairy calves in group housing.
Morgan Kittell; University of Wisconsin- River Falls

Kiosk: 51A

IMPORTANCE OF REMINERALIZATION OF CLADOPHORA-EPIPHYTE ASSEMBLAGES TO SILICATE CYCLING IN LAKE MICHIGAN
Kolin Konjura; University of Wisconsin, Milwaukee

Kiosk: 51B

Investigating the differential binding affinities of Genistein to ERs α and β using site directed mutagenesis of ER β , an estrogen receptor subtype found in teleost fish.
Ameya Kulkarni; NC State University

Kiosk: 51C

*Making an RNA interference (RNAi) library to screen virulence phenotypes in the pathogenic yeast, *Cryptococcus neoformans*.*
Matthew Alexander; Western Carolina University

Kiosk: 52A

Morlin, Mode and Mechanisms of Action
Jarrad Gollihue; University of Kentucky

Kiosk: 52B

*Photodormancy of annual vinca (*Catharanthus hybrid*) seed during germination*
Gregory Shanley; Morehead State University

Kiosk: 52C

*Protein Aggregation and Persists in *Escherichia coli**
Adam Kleinman; North Central College

Kiosk: 53A

Scarless Wound Healing : Increased Collagen Deposition Along Wound Edge in Human Fibroblasts vs. hES cells
Eileen Ing, Roxanne Bartolome, Tam Nguyen; Dominican University of California

Kiosk: 53B

Social Stress in Group Housing of Male Side-Blotched Lizards
Marilize Van der Walt; Utah State University

Kiosk: 53C

Strategies for Analyzing Genome Evolution In H5N1 Influenza
Paeton Wantuch; University of Wisconsin, Whitewater

Kiosk: 54A

The Analysis of KCTD Gene Expression on Adipose Tissue Function in Diet Induced Obesity
Kuan Yao; George Mason University

Kiosk: 54B

The Functional Morphology of the Intervertebral Articular Surfaces of Prehensile and Nonprehensile-Tailed Anthropoids: A 3D Perspective
Michael Miller; University of Kentucky

Kiosk: 54C

The Next Microscope: Academic Synthesis of Biology and Mathematics
Megan Campbell; Saint Olaf College

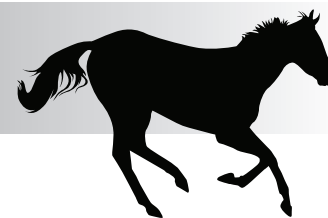
Kiosk: 55A

The Role of the COP9 Signalosome in Insect Leg Development
Monique McLeary; North Carolina State University

Kiosk: 55B

Understanding the role of MQO and Malic Enzyme in growth of the plant pathogen DC3000
Zabrina Ebert; Elmhurst College

Poster Session 8



Business/Finance/Accounting

Kiosk: 1A

Commitment on Withdrawal Cognitions at Wittenberg University

Ana Paula Veiga, Megan Loofbourrow; Wittenberg University

Cell & Molecular Biology

Kiosk: 15B

An Immunocytochemical Analysis of the Signaling Pathway blimp-1 in Sea Urchins Embryos Treated with Thalidomide
Sheila De Young, Justin Ward; Susquehanna University

Kiosk: 15C

Comparison of Methods of Sample Preparation and Nucleic Acid Extraction in Detection of Norovirus

Merci Duffy; Milwaukee Area Technical College

Kiosk: 16A

Estrogen mediated regulation of TGFβ pathway signaling in cardiac hypertrophy

Payton Malone; Eastern Kentucky University

Kiosk: 16B

Genetic interactions of telomere binding proteins in yeast.
Alice Nakasone; Barry University

Kiosk: 16C

Inhibition of Cell Growth and Induction of Apoptosis in KSHV-transformed Cells by an Inhibitor of Sirtuins

Karthik Vasan; University of Southern California

Kiosk: 55C

Investigating the Role for Dictyostelium discoideum TLP2 (DdiTLP2) in Cell Growth and Mitochondrial Function

Elisabeth Carrillo; California State University Monterey Bay

Kiosk: 56A

Method Development: Direct amplification of the entire human mitochondrial genome

Meghan Lawler; Western Carolina University

Kiosk: 56B

Pigment Epithelium-Derived Factor Gene therapy: A New Mean for Treating Prostate Cancer

Dalia Martinez-Marin; Texas Tech University

Kiosk: 56C

The effect of an increase in intracellular calcium on the localization of the catabolic subunit of telomerase, TERT, in HeLa cells

Gretchen Diffendall; Westminster College

Kiosk: 57A

The role of mucins during acute Toxoplasma infection in mIce
Joshua Mayoral; Northern Arizona University

Kiosk: 57B

Validation of Transcription Induced Chimeras in Human Stage IV Colon Cancer Liver Metastasis

Brandon Edlund; University of Minnesota, Duluth

Chemical Engineering

Kiosk: 17A

Synthesis and Characterization of Inhalable Powder Systems and Magnetic Nanoparticles for Targeted Pulmonary Delivery

Marjorie Guy; University of Kentucky

Chemistry

Kiosk: 17B

Analysis of Volatile Organic Compound Signatures From Wildfire Emissions in Southeast Texas

Brian Morgan; Appalachian State University

Kiosk: 17C

Biomimetic Models of Quercetin Dioxygenase

Ariel Schuelke; University of Wisconsin, Eau Claire

Kiosk: 18A

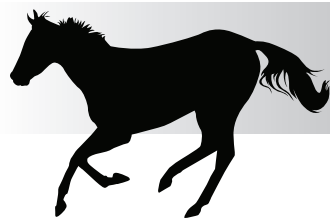
Design of Nanoscale Compositions for Remineralization of Human Dentin

David Christianson; University of South Dakota

Kiosk: 18B

DNA Condensation of Individual Plasmids Using Fluorescence Microscopy

David Harvey; Rose Hulman Institute of Technology



Poster Session 8

Kiosk: 18C

Enhancing Bacterial Denitrification Rates by using nanoscale zero valent iron (nZVI)

Jesse Britz; University of Illinois at Springfield

Kiosk: 28C

Nano-Nickel Hydroxide Catalysis Application in Oxidation Reactions and Its safety

Amanda Loch; University of Wisconsin, Whitewater

Kiosk: 57C

Green Approaches in Photoinitiator Synthesis and Utilization

Matthew Torrez; University of Wisconsin, Whitewater

Kiosk: 58A

Indicator Displacement Approach to the Detection of Anions with Chromophore-Appended Phosphonium Polyelectrolyte Films

Mallory Turner; Clemson University

Kiosk: 58B

Kinetics and Thermodynamics of Nitrate Ion Release from a Hydroxy Double Salt, $[Zn_5(OH)_8(NO_3)_2 \cdot nH_2O]$: A Model for Controlled Release from Layered Compounds

Anna Johnson; College of St Scholastica

Kiosk: 58C

Novel Formation of Core-Shell Nanoparticles

Nathan Klein; University of Minnesota, Twin Cities

Kiosk: 59A

Predicting the Oxidation Potentials of Diarylamine Derivatives for Overcharge Protection in Lithium-ion Batteries

Corrine Elliott; University of Kentucky

Kiosk: 59B

Quantification of Gliadin Content in Beer

Taylor Smith; Appalachian State University

Kiosk: 59C

Spectroelectrochemical Investigation of Electropolymerized Ferritroporphyrin for Gasotransmitter Oxidation

Nicole Gardner; Penn State Erie, The Behrend College

Kiosk: 60A

Syntheses and Structural Studies of (2-halobiphenyl) Chromium Tricarbonyl Complexes

Alexander Korger; University of Wisconsin, La Crosse

Kiosk: 60B

Synthesis of Ketones from Carboxylic Acids Using a Convenient, One-pot Protocol

Jennifer Rak; New Jersey City University

Kiosk: 60C

Synthesis, materials characterization, and toxicological evaluation of Eu(III) doped- Fe_3O_4 nanoparticles using YPEN rat endothelial cells

Kortney Schumann; Western Carolina University

Kiosk: 61A

THE SYNTHESIS OF A SOLUBLE DIRHENIUM(III,III) PADDLEWHEEL COMPLEX FOR THE STUDY OF LIGAND EXCHANGE.

Thomas Maderer; State University of New York, Brockport

Kiosk: 61B

Using Gold-Nanoparticle Amplified Targets to Develop Surface Plasmon Resonance (SPR) Spectroscopy as a Method of Measuring the Thermal Stability of DNA hybrids on a Surface

Caleb Wagner; University of Wisconsin, La Crosse

Communications**Kiosk: 19A**

Facebook: Friend or Foe for Self-Esteem and Happiness?

Ashley Fraley, Gloria Holder, Allison Vanderveld; Hope College

Kiosk: 61C

Public Health Communication: A content analysis of mass communication during SARS and H1N1

Lianna Hachborn; Roanoke College

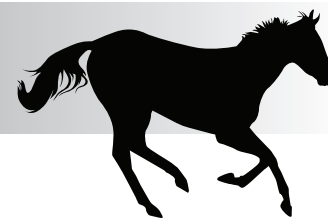
Computer Science**Kiosk: 1B**

A Chitosan modeling tool for Molecular Dynamics

Simulations optimized by means of a Genetic Algorithm

Wensy Cuadrado-Dávila; University of Puerto Rico at Humacao

Poster Session 8

**Kiosk: 19B**

Calculating the Melting Temperature of Linker DNA
Louis Joslyn, Adrian Gibson, Thomas Klein; Simpson College

Kiosk 19C

Emergency Management Systems Emergency Hazard Analysis using ArcGIS
Michael Gibbs, Allen Johnson, Mia Greer, Joseph Brown, Jheanelle Linton, Kevon Scott, Brandon McMurray; Johnson C Smith University

Kiosk: 62A

Overall Competence in Case Based Reasoning
Spencer Knight; University of Nebraska, Kearney

Kiosk: 62B

User-in-the-Loop Calibration and Mensuration
Johnathan Smith, Scott Workman, Ryan Baltenberger; University of Kentucky

Dance**Kiosk: 20A**

Copyright and Choreography
Erin Smith; University of Kentucky

Ecology & Organismal Biology**Kiosk: 20B**

*An Analysis of the Influence of *C. parvidens* Activity in Maintaining Arthropod Diversity*
Richard Grewelle; University of Kentucky

Kiosk: 20C

ECOLOGICAL STOICHIOMETRY OF BITHYNIA TENTACULATA
Alexandra Clussman; University of Wisconsin, La Crosse

Kiosk: 21A

*Possible Mitigation of Coral Bleaching Using Shading in Conditions of Cumulative Thermal Stress in *Acropora aspera**
Elizabeth Rice, Kathryn Que, Serafina Tulioc, Jacob Steele; Dominican University of California

Kiosk: 62C

Sink or Ecological Trap for Tree Swallows in Central Minnesota?
James Pathoulas, Nicole Noyes; Saint John's University
Economics

Kiosk: 21B

Determining the Major Factors Influencing Student Loan Default Probability
Cody Nehiba; Augsburg College

Kiosk: 21C

Progressive Taxation's Effects on Consumption
Spencer Lewen; Roanoke College

Kiosk: 63A

The Costs and Benefits of a Subsidized Baseball Stadium in Richmond, Virginia
Nathaniel Matthews; Virginia Commonwealth University

Kiosk: 63B

Women's Professional Tennis Long-run Effect of Age Rules for Player's Longevity
Tamara Smith; Roanoke College

Education**Kiosk: 1C**

Musical and Social Development of Pre-school Children through Musical Play
Emilee Deck; University of Wisconsin, Whitewater

Kiosk: 2A

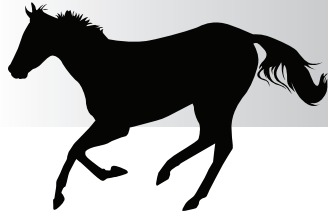
Case Study in Middle School Students' Science Learning
David Turner; Utah State University

Kiosk: 22A

Effectiveness of Implementing a STEM Service Learning Component Engaging Students in After School Time Activities
Lauren Dahlquist; University of Nebraska at Omaha

Kiosk: 22B

Maternal and Child factors Influence on Maternal Language During Play and Teaching Contexts
Kristin Murphy; Utah State University



Poster Session 8

Kiosk: 63C

The role of depression and posttraumatic stress on university academic performance among student service members and veterans

Kent Hinkson, Jr; Utah Valley University

Electrical Engineering**Kiosk: 2B**

Hardware Solutions for the Optimization of AFNI Processing
Trokon Johnson; University of Tulsa

Engineering/Engineering Technology**Kiosk: 2C**

A Novel Fabrication Method for Hollow or Encapsulated Controllable Microstructures for Use in Microrobotic and Microdelivery Systems

Tyler Flynn; University of Kentucky

Kiosk: 23A

Automated Device to Orient and Open Carriers

Omar Gomez; Metropolitan State University of Denver

Kiosk: 23B

Development of an Experimental Rig to Measure the Transient Response of Crossflow Heat Exchanger

Joseph Schaadt; Villanova University

Kiosk: 64A

Implementing Safe Cooking Methods in Senegal

Mame Fall; Howard University

Kiosk: 64B

Multi-Material Preforming of Structural Composites

Thomas Sudbury; University of Tennessee at Chattanooga

Kiosk: 64C

Synthesis of Optical and Electrical Biosensor using Gold Nanoparticles and Carbon Nanotubes

Megan Casco, Andrew Crites; Clemson University

Kiosk: 65A

Wind Turbine

Sanusi Conteh; Howard University

Environmental Studies & Sciences**Kiosk: 3A**

An assessment of the attractiveness of domestic food waste bins to synanthropic Diptera (flies)

Laura Bailey; University of Central Lancashire

Kiosk: 24A

General Survey of Shallow Lakes and Wetlands on the St. John's University Campus

Michael Culshaw-Maurer; Saint John's University

Kiosk: 24B

Measurements of ambient ammonia using an ion mobility spectrometer

Logan Scholl; Susquehanna University

Kiosk: 65B

Relationship between Precipitation and Delivered Water to Downstream Water Pollution in DC

Molly Seltzer, Molly Seltzer; The George Washington University

Kiosk: 65C

The Value of Ecosystem Services in the Commonwealth of Kentucky's Forestland

Michelle Gilmore; University of Kentucky

Geography & Earth Sciences**Kiosk: 3B**

Common Meteorological Features of Mid-Atlantic and Ohio Valley Synoptic High Wind Events

Brittany Kusniar; California University of Pennsylvania

Kiosk: 24C

Landslide Susceptibility Assessment Using GIS in Allegheny County, Pennsylvania

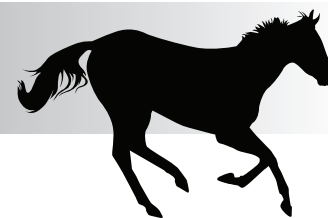
Clarissa Enslin; California University of Pennsylvania

Kiosk: 25A

Topographical Effect on Tornadoes in Wisconsin and Indiana

Andrew Courtney; University of Wisconsin, Whitewater

Poster Session 8



Health Sciences & Public Health

Kiosk: 4A

A Correlation between Alcohol and Marijuana Use and GPA
Samantha Bettinger; Miami University

Kiosk: 25B

An Examination of Alcohol Consumption and Behaviors in Female Intercollegiate Athletes vs. Nonathlete Counterparts
Kelsey Barnes; Miami University

Kiosk: 25C

Effect of Alcohol Consumption on College Student's Academic Performance
Lauren Powers; Miami University

Kiosk: 26A

Exploring Socio-Cultural Factors Influencing Cervical Cancer Prevention Among Adolescent Latinas in Rochester, NY
Sandra Lampasona; University of Rochester

Kiosk: 26B

Hangover Symptoms in Beer vs. Vodka Drinkers
Maura Fawcett, Rose Marie Ward; Miami University

Kiosk: 26C

Pre-gaming and Pre-gaming Motives Across the School Year
Brian McMahon; Miami University

Kiosk: 66A

Salivary cortisol: Implications in clinical health outcomes of children with chronic asthma
Xiaofan Mi; Wayne State University

History

Kiosk: 4B

Charlie Chaplin: The Role of the Artist in the Great War
Samuel Hahn; University of Cincinnati

Kiosk: 27A

Resiliency, Black Racial Identity, Education and Inner City Youth: Historical Analysis of Austin Community Academy 1960's-2007
Chastity Harden; University of Wisconsin, Whitewater

Interdisciplinary Studies

Kiosk: 4C

Involvement Frequency and Type May Matter: An examination of campus involvement and student success.
Billie Nelson; University of Wisconsin- River Falls

Kiosk: 27B

Preserving the "Fine Village": The Commodification of Rajasthani Folk Performance at Chokhi Dhani and Beyond
Leela Singh; Ohio State University

Kinesiology & Exercise Science

Kiosk: 5A

Comparison of Whole-Limb Power and Asymmetry in Individuals Following Knee Surgery
Dagmar Ralphs; University of Maine

Kiosk: 27C

Do Differing Glycemic Index Breakfasts Affect Cognition?
Danielle Scheinman, Melanie Witman; Elon University

Kiosk: 28A

Relationship between self-reported quality of life and lifestyle as recorded by accelerometry
Meridith Rebman, Elizabeth Diede, Lauren Lube, Melissa Brown; University of Wisconsin, Eau Claire

Kiosk: 28B

The impact of physical activity participation on cognitive function following different breakfasts
Melanie Witman, Danielle Scheinman; Elon University

Linguistics & World Languages

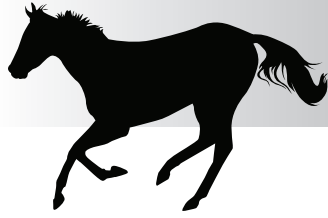
Kiosk: 5B

Investigating Writing Patterns Across Cultures
Terilyn Heling; University of Wisconsin, Whitewater

Marketing

Kiosk: 6A

Never mind: Brain Imaging Differences Underlie Rejection of Non-preferred brands
Alex Bordewyk; University of South Dakota



Poster Session 8

Mathematics

Kiosk: 6B

Comparing the Effects of Prescribed Burning on Nest Survival Rates for Grassland and Forest Birds

Molly Neumann; University of Wisconsin, La Crosse

Kiosk: 29A

Flow-Based Programming applied to Wolffia

Brian Matta Rosado; University of Puerto Rico at Humacao

Kiosk: 29B

Semantic Similarity of Documents Using Latent Semantic Analysis

Chelsea Boling; Lamar University

Microbiology & Immunology

Kiosk: 7A

Dissecting Social Motility in African Trypanosomes by a RNA-Seq Transcriptome Comparison

Rina Kim; University of California, Los Angeles

Kiosk: 29C

In vivo and In vitro Analysis of the Amino Acid Lysine as a Possible Inhibitor of HSV-1 Infection

Tyler Alban; Baldwin-Wallace College

Kiosk: 30A

Repurposing the Antihistamine, Terfenadine, for the Therapeutic Intervention of Staphylococcus aureus Infections

Jessamyn Perlmutter; University of Rochester

Neuroscience

Kiosk: 30B

Alzheimer's-Associated Polymorphism Modulates CD33 Expression and Splicing

Manasi Malik; University of Kentucky

Kiosk: 30C

Differences in the structure and formation of retinal terminals in distinct thalamic nuclei

Gabriela Carrillo; Virginia Tech

Kiosk: 31A

Examining the Connection between Multiple Concussive Brain Injuries and the Early Development of Neurodegenerative Pathology

Anup Sonti; University of California, Davis

Kiosk: 31C

Response of Sensory Neurons to Neurocan Knock-down in Reactive Astrocytes

Umang Khandpur; University of Kentucky

Kiosk: 32A

The Effects of Gamma-glutamylcysteine Ethyl Ester on Glutathione Elevation as a Post-Treatment for Traumatic Brain Injury

Sarah Kelsey; Eastern Kentucky University

Kiosk: 32B

Tracing neuronal connections through genetic approaches

Sarah Corcoran; Ohio State University

Nursing

Kiosk: 7C

An Evaluation to the Adherence of an Indwelling Catheter Maintenance Bundle

Jessica Johnston; University of Kentucky

Kiosk: 32C

Does animal-assisted therapy decrease anxiety and depression among psychiatric patients?

Allison Spada, Allison Spada, Liliane Schwedfeger; Duquesne University

Kiosk: 33A

Family history of hypertension is associated with personal hypertension risk

Kaitlin Voigts; University of Kentucky

Kiosk: 33B

Implications of Tooth Loss for Increased Cardiovascular Disease Risk

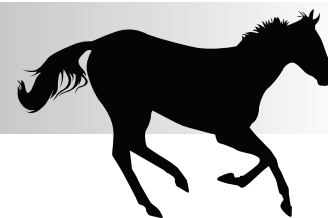
Alexandra Milam; University of Kentucky

Kiosk: 33C

Oxygen use at the end of life: Attitudes and beliefs survey

Justin Mabin, Christine Johnstad, Sarah Younger; University of Wisconsin, Eau Claire

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Kiosk: 34A

The Association between Dietary Adherence and Self-Reported Dietary Choices in Adults with Type 2 Diabetes
Jefi Jaustine Buenaventura; University of Pittsburgh School of Nursing

Kiosk: 34B

Violence in the Emergency Room: Causation and Prevention
Shanna Ingram; Baylor University Waco-University Development

Nutrition

Kiosk: 8A

White Yeast Bread made with Watermelon Juice
Nicholas Garner, Natalie Sympson, Florence Uruakpa;
Indiana State University

Physical/Occupational Therapy/Speech Language Pathology

Kiosk: 8B

Getting to the Core of the Matter: Does Trunk and Hip Strength Really Matter?
Chelsea Oswald; University of Kentucky

Physics

Kiosk: 8C

Determining the Characteristics of Select Microbes from Raman Spectra
Nathan Martin; Appalachian State University

Kiosk: 34C

Microtubule Rigidity Measured in High Salt Conditions
Brandon Harris; University of Wisconsin, La Crosse

Kiosk: 35A

Patterns for Gravitational Waves in the Post-Newtonian Approximation
Matthew Haldeman, Conner Henson; Marshall University

Kiosk: 35B

THERMOELECTRIC PROPERTIES OF MANGANESE (IV) OXIDE PARTICLES AS A FUNCTION OF ELECTRICAL RESISTANCE
Nicholas Francis, Morgan Hedden; James Madison University

Physiology

Kiosk: 9A

*Epigenetic Effects of a High-Fat-Diet on *Drosophila Melanogaster* Metabolic Phenotype*
Ajay Ajmera; East Carolina University

Kiosk: 35C

Physiological and pathophysiological stimuli alter endothelial cell autophagy
Lance Deeter; University of Utah

Kiosk: 36A

The Therapeutic Use of Atropine in Diabetic Neuropathy
Andre Mota; University of California, San Diego

Political Science

Kiosk: 9B

An Analysis of the Effects of State Legislative Term Limits on U.S. House Elections
Travis Fiechter; Xavier University

Kiosk: 36B

Internet Access and Political Knowledge
Matthew Rains; Western Carolina University

Kiosk: 36C

State Animal Welfare Law Development: Attention to Agribusiness
Daina Kaugars; University of Kentucky

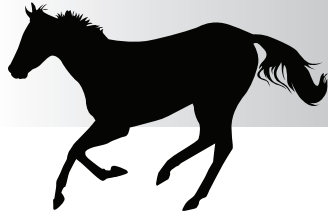
Psychology

Kiosk: 5C

System Justification
Carol Villanueva-Perez; University of Illinois at Urbana-Champaign

Kiosk: 9C

A Search for Linguistic Relativity: Content Analysis of Essays from Bilingual Students
Caitlin Tarantiles, Kelsey Liddle; Elon University



Poster Session 8

Kiosk: 10A

Assessing Addictions in a Spiritual World: Using Confirmatory Factor Analysis and Structural Equations Modeling to Develop the Life Interests Questionnaire
Kelly Perfect, Victoria Labitan, Avery Blackburn, Erin Harrington; Valparaiso University

Kiosk: 37A

Athletes to Athletes: Encouraging Confidence through Mentoring
Kelly Winter-Howard; Black Hills State University

Kiosk: 37B

Brain activation in bulimia and social rejection
McKenzie Cordell; University of Kentucky

Kiosk: 37C

College Student Binge Drinking and Alcohol Outcome Expectancies: Weekday Versus Weekend
Amelia Maher; University of Minnesota, Duluth

Kiosk: 38A

Differences in Cognitive Flexibility in Rats and Pigeons
Melissa Noel; University of Kentucky

Kiosk: 38C

Evaluating how mobile technology can reduce excessive alcohol use among high school freshmen
Phong Lam; Eastern Washington University

Kiosk: 39A

Fact or Fiction? Individual Differences and the Spread of Urban Legends
Wesley Hill, Rachel Tohme; University of Illinois at Springfield

Kiosk: 39B

Heroism and Gender Roles: Influence of Publicity, Risk, and Familiarity On Heroism
Shelby Flegel, Lauren Bach, Katie Westermayer; Minnesota State University, Mankato

Kiosk: 39C

Increased mid Anterior Cingulate Local Gyration in Psychopaths
Jessica Hanson; University of Wisconsin, Milwaukee

Kiosk: 40A

Juror decision making with regard to a criminal case of homosexual rape
Sofiana Hoffman; University of Kentucky

Kiosk: 40B

Metacognition and Emotion
Patricia Dirks, Benjamin Eschler; Weber State University

Kiosk: 40C

Oxymorphone: Examining the abuse liability and analgesic effects of an emerging drug of abuse
Victoria Votaw; University of Kentucky

Kiosk: 41A

Personality Traits and Occupations Stereotypically Perceived as Masculine or Feminine
Summer Knox, Stephanie Mays, Jacob Case, British Thompson, James Williams, Christopher Auvenshine, Tommy Mudd; University of Kentucky

Kiosk: 41B

Public Health Concern with Sleep Disturbance
Michael Rexius; Elmhurst College

Kiosk: 41C

School Start Times and School Achievement
Olivia Smith Smith; University of Kentucky

Kiosk: 42A

Sleep and Boundary Management Around Technology Use
Maria Senf; Northern Illinois University

Kiosk: 42B

Technology as a Catalyst for Language Processing Changes
Caroline Clabaugh; Wells College

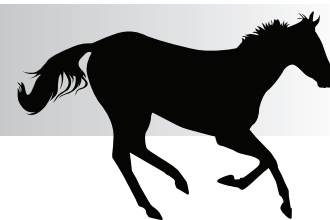
Kiosk: 42C

The Effect of Awe on Future Self
Taylor West, Brandon Payne, Sung Hee Kim, Charles E. Hoogland, Richard H. Smith; University of Kentucky

Kiosk: 43A

The Effects of Idealized Media Images on Body Dissatisfaction in a Nonclinical Population
Lauren Burlison; Carthage College

Poster Session 8-9

**Kiosk: 43B**

The Impact of Parental Figures on College Students' Attitudes about Women

Elise Lundequam, Sean Eberle; University of Wisconsin-River Falls

Kiosk: 43C

The Relationship Between Facebook Use and Emotional Well-Being as Moderated by Interpersonal Relatedness

Kathryn Coyle; Adelphi University

Kiosk: 44A

Time Perception in Negative Affects: The Role of Motivational Direction

Zach Beasley; University of Alabama

Kiosk: 44B

What's wrong with beautiful?: An exploration of gender bias in related programs

Devon Brown; Ohio State University

Social Work**Kiosk: 10B**

Heart of Africa: Empowering and Sustaining Families of Vulnerable Children

Samantha Hartman; Hope College

Sociology**Kiosk: 10C**

How On-Campus Involvement Impacts Student's Satisfaction and ultimately retention for First Generation College Students

Elizabeth Burbatt; Eastern Illinois University

Kiosk: 44C

Rave culture and MDMA usage among Caucasian, upper middle class adolescents in the United States as modern day rites of passage

Mai Lam; Virginia Commonwealth University

Kiosk: 45A

The Impact of Foreign Domestic Worker son the Upbringing of the Qatai Children

Bothaina AL-Nassr; Qatar University

Sustainability**Kiosk: 11A**

Development of Low-Cost Biofuels Instructional Laboratory Exercises

Samuel Knapp; University of Wisconsin, Stevens Point

Kiosk: 45B

Season Extension of Vegetable Production Using High Tunnels

Karen Gjelhaug; University of Wisconsin- River Falls

Kiosk: 45C

Using New Photonic Technology to Improve Neural Prostheses: A Study on Sustainability

Christopher Williams; Virginia Commonwealth University

SESSION 9**Anthropology & Archeology****Kiosk: 11B**

Amassing Evidence: A Study of Body Mass Variation in the Robert J. Terry Skeletal Collection

Julia White; Auburn University

Kiosk: 11C

Exploring Western Sicily's Prehistoric Transition Into Agriculture Through Geoarcheology

Victoria Arreola; University of Northern Iowa

Art History**Kiosk: 12A**

New Approaches to Sacred Space on Rome's Periphery

Amanda Liguori; Wofford College

Biochemistry**Kiosk: 12B**

A Critical Role of Chemokine Receptor CXCR2 in Mediating Endothelial Progenitor Cell Functions

Jacob Oblak; Wayne State University

Kiosk: 28C

Expression and Purification of the C-Terminus of CCL21

Thomas Morien; University of Wisconsin, Whitewater



Poster Session 9

Kiosk: 46B

Creation of an Escherichia coli C.0293 Knockout for an Examination of the Stress Response

Angela Fuller, Ellisa Mullen; Carthage College

Kiosk: 46C

Functional Characterization of an Essential Salt Bridge in Human Calcineurin

Hannah Arvin; University of Kentucky

Kiosk: 47A

Improved starch degradation using natural systems

Kyle Auger; University of Kentucky

Kiosk: 47B

Long-Circulating Backbone-Degradable HEMA Copolymer-Gemcitabine Conjugates for the Treatment of Ovarian Carcinoma

Shwan Javdan; University of Utah

Kiosk: 47C

Synaptotagmin linker: tuning of cooperativity in Ca²⁺ binding

Troy Hendrickson; University of Minnesota, Duluth

Kiosk: 48A

The Regulation of the Antioxidant Response System by MafS through an Epigenetic Mechanism

Joshua Geiger; University of Rochester

Biological Engineering**Kiosk: 13A**

Development of Chitosan-GAG Fibers as a Modular Tissue Engineering Platform

Alexander Gagliardi; Western Michigan University

Kiosk: 13B

Improving the use of CT imaging in regional analysis of the lung

Andrew De Haan; Dordt College

Kiosk: 48B

Multi-Degree-of-Freedom Parameter Study of the Mammalian Cochlea

John Cormack; University of Rochester

Kiosk: 48C

The Valorization of DDG Through Hemicellulose Film Production

Jamison Watson; St Olaf College - Admissions

Biology**Kiosk: 6C**

Genome Assembly of Two Ammonia-Oxidizing Bacteria and Subsequent Hypothetical Protein Exploration

Marlen Rice; Utah State University

Kiosk: 8A

How Birthdate Matters in Bluegil

Christopher Bader, Cory DePatie, Sarah Schieffer; University of Wisconsin, Eau Claire

Kiosk: 13C

*Age Cohort Behavioral Differences in Captive Reticulated Giraffe (*Giraffa camelopardalis reticulata*) at the Brookfield Zoo, Brookfield, IL.*

Amy Robinson-Junker; University of Wisconsin - Parkside

Kiosk: 14A

*Analysis of Neuronal Migration Defect in src-1 Mutant and Fyn Transgenic *C. elegans**

Zachary Fulton; Norwich University

Kiosk: 14B

Assessing Genetic Susceptibility to Motor Function Deficits Following Developmental Exposure to Polychlorinated Biphenyls

Breann Hays; Northern Kentucky University

Kiosk: 14C

Betta Splendens as a Model Organism for the Study of the Development and Evolution of Pigmentation

Alexis Carey, Ben Lyvers, Anne Marie Dumaine, Sydney Katz, Katie Ash; Transylvania University

Kiosk: 45C

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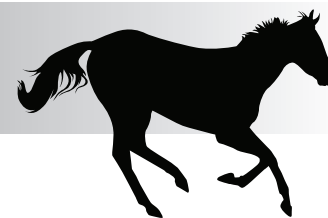
Samanth Minikel; Loyola University

Kiosk: 49A

*Characterizing LTR Retrotransposons in the Basidiomycete Fungus, *Coprinopsis cinerea**

Madhura Chitnavis; Roanoke College

Poster Session 9

**Kiosk: 49B**

COMPARISON OF DIFFERENT LIGHT TECHNOLOGIES FOR INDOOR AQUAPONIC PRODUCTION OF ROMAINE LETTUCE

Chelsea Watts; Kentucky State University

Kiosk: 49C

*Ecological Distribution and Radula Morphology of the Giant Keyhole Limpet (*Megathura crenulata*)*

Adrienne Mikovari; Occidental College

Kiosk: 50A

Embryonic Mesoderm Progenitor Cells Exhibit VEGF Induced Differentiation and In Vitro Vasculogenesis

Rachael deVries, Jessica Ramirez; Dominican University of California

Kiosk: 50B

*Examining tail development models in the four-toed salamander, *Hemidactylium scutatum**

Peter Rossbach; James Madison University

Kiosk: 50C

*Female *Pardosa milvina* wolf spiders increase silk advertisements when in the presence of silk from courting males.*

Rizwan Khan; Susquehanna University

Kiosk: 51A

*In-Vitro Egg Development in the Trematode, *Cotylaspis insig-nis* (Subclass *Aspidogastrea*)*

Ericka Berg, Lin Peng; Berea College

Kiosk: 51B

Investigating the role of mechanosensitive channel 9 in chemically- and root-knot nematode-induced cell wall damage.

Collin Hudzik; Bridgewater State University

Kiosk: 51C

*Measuring the effect of drought stress and fungal pathogen *Alternaria brassicae* on specific leaf area of *Brassica rapa**

Garshaw Amidi-Abraham; Stony Brook University

Kiosk: 52A

Morphological Analysis of Chemical Elements in Fish Scales

Ethan Nichols; Minnesota State University, Mankato

Kiosk: 52B

Plastid-associated galactolipid composition of chloroplasts and chromoplasts in bell peppers: Does pepper ripening make a difference?

Chelsy Baker, Farheen Zehra, TaRisha Lake, Angel Navarro, Alandrea Cox; Middle Tennessee State University

Kiosk: 52C

Real-Time PCR of cDNA of Tomato Mosaic Virus (ToMV) RNA

Kelsey Hayden, Mary Chey; Indiana University of Pennsylvania

Kiosk: 53A

Scarless Wound Healing: Increased Collagen Deposition Along Wound Edge in Human Fibroblasts vs hEScells

Roxanne Bartolome, Tam Nguyen, Eileen Ing; Dominican University of California

Kiosk: 53B

*Soil microbes and nitrogen levels affect the competitive interaction between the native species *Andropogon gerardii* and *Solidago rigida* and the invasive species *Carduus acanthoides**

Winnie Shivega; Concordia College, Moorhead MN

Kiosk: 53C

*Survival of *Escherichia coli* in Relation to the Disaccharide Trehalose*

Tyler Sams; Lubbock Christian University

Kiosk: 54A

The Effect of Dopamine and Epinephrine Releases' on Human Learning

Craig Luskey; Virginia Commonwealth University

Kiosk: 54B

*The Genetic Modification Analysis of Popcorn (*Zea mays*) Around the World*

Jessica DeBelly, Kashmere Pearson; Capital University

Kiosk: 54C

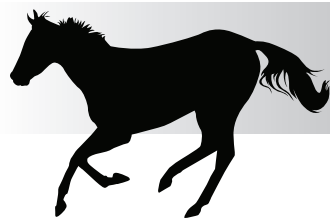
The Risks Associated with Male Exposure to Thalidomide and the Potential Mechanism of Action

Nathan Bair; Susquehanna University

Kiosk: 55A

*The role of the FANCD2 protein during meiotic recombination in *Arabidopsis thaliana**

Leslie Deutschman; Washington and Jefferson College



Poster Session 9

Kiosk: 55B

Unpaired3 is required for reliable formation of the Drosophila micropyle

Megan Weaver; University of Kentucky

Cell & Molecular Biology**Kiosk: 15B**

Analysis of the mitotic role of Ran in normal human cells via temperature-sensitive mutation of RCC1

Ronit Shah; University of Toledo

Kiosk: 15C

Determination of serum malondialdehyde (MDA) concentration in rat serum from fish oil ratio & tumor studies

Phillip Wachowiak; University of Michigan

Kiosk: 16A

Evaluating the effects of exenatide and an angiotensin receptor blocker on brain pathology in a rat model of Type II Diabetes Mellitus (T2DM) -a possible link between T2DM and Alzheimer's disease (AD)

Charlesice Hawkins; University of California - Merced

Kiosk: 16B

Genetic Profiles of Escherichia coli Isolated from the Fecal Matter of Resident Water Fowl of Urban Playa Lakes

Michael Sa-Id; Lubbock Christian University

Kiosk: 16C

Inhibition of growth and lung metastasis of triple negative breast cancer cells by Manumycin A

BINYAM FITWI; University of Texas, Arlington

Kiosk: 55C

Investigation of Egr transcription factor involvement in PC12 cell neuronal differentiation

Scott Allen; Bridgewater State University

Kiosk: 56A

Modeling Skeletal Muscle Development in C2C12 Myoblast Cells 3D Culture.

Rufino rodriguez; University of Wisconsin- River Falls

Kiosk: 56B

Radiosensitization in the Treatment of Lung Cancer via Hyperthermia, Iron Oxide Nanoparticles, and Gold Nanoparticles

Michelle Pressly; University of Kentucky

Kiosk: 57A

The Role of PKC in Mitochondrial Fission

Allison Meadows; University of Virginia

Kiosk: 57B

WWTR1 (TAZ) transcription is constitutively activated by fusion to CAMTA1 in Epithelioid Hemangioendothelioma

Firas Jadaan; Cleveland Clinic

Chemical Engineering**Kiosk: 17A**

Synthesis of Protein-Polymer Hybrid Materials Using Controlled Radical Polymerization

Jordan Boivin, Wesley Hall; Miami University

Chemistry**Kiosk: 17B**

Analytical Limestone Analysis

Jacob Roodman; James Madison University

Kiosk: 17C

Bomb Calorimetry of Spent Switchgrass from Biofuel Production: Full Biomass Utilization

Kayla Woodyard; Eastern Kentucky University

Kiosk: 18A

Determination of Cadmium Concentration by Anodic Stripping Voltammetry

Kiersten Mossburg, Joseph Dahl; Xavier University

Kiosk: 18B

Drug Delivery and Release from Self-Assembled Phenylalanine-derived Hydrogels

Kaitlyn Connelly; University of Rochester

Kiosk: 18C

Evaluating Pharmaceutical Sorption to Soils and Ground Water from an Eastern North Carolinian Family Farm

Brittany Ford; University of North Carolina, Asheville

Kiosk: 57C

Green Asymmetric Organocatalyzed Michael Reactions

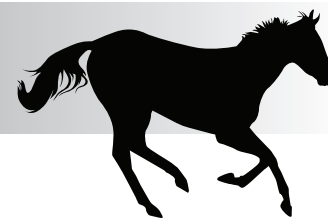
Casey Mueller; University of Wisconsin, Whitewater

Kiosk: 58A

Indole derivatives and their interaction with cations

Soyoung Alexander; University of West Georgia

Poster Session 9

**Kiosk: 58B**

Lactones Derived from Fatty Acids: New Monomers for the Production of Bioplastics

Timothy Bumpus, Peter Douglas; Luther College

Kiosk: 58C

Novel Organic Compounds as Possible Selective Cyclooxygenase Inhibitors

Blake Cantrell; Morehead State University

Kiosk: 59A

Predictions of the threshold energy for HF and HCl elimination from CH₃CCl₃, CH₃CH₂CCl₃, and CF₃CH₂CCl₃ using Quantum Chemical Calculations.

Kylie Smith; University of North Carolina, Asheville

Kiosk: 59B

Quantitative Raman analysis of hormone concentrations using surface enhancement with an internal standard

Mackenzie Farrar; Western Kentucky University

Kiosk: 59C

Spectrophotometric determination of the pK_a values of acid-base indicators for development of an inquiry based teaching experiment

Angeline Palmer, Angeline Palmer; George Mason University

Kiosk: 60A

Synthesis and characterization of europium-based nanoparticles with enhanced luminescent properties.

Austin Allen; Western Carolina University

Kiosk: 60B

Synthesis of Mesoporous Thin Films of CdS Nanocrystals by Cross Linking Ligand Stripped Polymer Templated Nanocrystals using Bidentate Ligands

Justin Ondry; University of California, Los Angeles

Kiosk: 60C

Synthesis, Physical Characteristics, and Isolation of Dimethyl Succinyl Succinate Derivatives

Mike Sportiello; University of Wisconsin, Milwaukee

Kiosk: 61A

The unorthodox reaction rates of anti-cancer familial platinum compounds with methionine and guanosine monophosphate

Muhammad Mahmood; Western Kentucky University

Kiosk: 61B

Various approaches for the synthesis and isolation of α -Keto-glutamamate

Alec Wynd; Eastern Washington University

Communications**Kiosk: 19A**

Facilitators and barriers in intercultural communication in parent-teacher conferences: A case study of Korean immigrant parents

Dayae Kim, Insoon Han; University of Minnesota, Duluth

Kiosk: 61C

The Effectiveness of RateMyProfessors.com

Caitlin Gerig; Radford University

Computer Science**Kiosk: 2C**

Calyпсо

Stephen Patten, Kevin Keyes, Matthew Thompson; United States Military Academy

Kiosk: 19B

Designing a multi-touch system for intuitive control of Nano scale scanning probe microscopy

Michael Eze; Fisk University

Kiosk: 19C

Injecting Semantic Representation in a Virtual Environment

Cameron Pelkey; George Mason University

Kiosk: 62A

Predictive Factors for Parental Engagement in a Natural Setting within the Charlotte, NC Northwest Corridor

Philip Henry; Johnson C Smith University

Kiosk: 62B

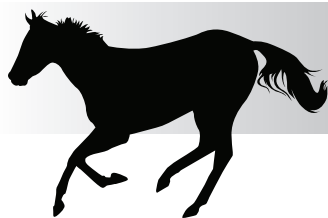
Using Gangnam Style to Teach Computing Concepts

Danielle Harris, Dion Chever; Johnson C Smith University

Dance**Kiosk: 20A**

The Moving Twenties

Andrea Rector; University of Kentucky



Poster Session 9

Ecology & Organismal Biology

Kiosk: 20B

An Annotated Key to the Ant Genera of Wisconsin
Carol Peretz; University of Wisconsin, Whitewater

Kiosk: 20C

*Effects of atrazine on the chemical alarm cue response in longear sunfish (*Lepomis megalottis*).*
Ben Adam; Asbury University

Kiosk: 21A

Predation Behavior in Freshwater Amphipods
Lyndsay Hage, Danielle Peterson; University of Wisconsin-River Falls

Kiosk: 62C

*Spring-Neap Variation In Clutch Size Correlations and Embryonic Development for the Daggerblade Grass Shrimp *Palaemonetes pugio**
Renee Smith; Savannah State University

Economics

Kiosk: 21B

Differences Among Accident Costs of Treatments Groups
Jiachen Ning, Hong Liu; University of Minnesota-Morris

Kiosk: 21C

Solar Photovoltaic Panels Industry Structure and Market Power
Rui Wang; State University of New York, New Paltz

Kiosk: 63A

The Effect of Private and Public Educational Institutions on Standardized Test Scores
Laura Stavetski; Roanoke College

Kiosk: 63B

Draft your own players or pick them up in free agency: What strategy has the greatest impact on winning percentage in the NFL?
Adam Kendall; North Central College

Education

Kiosk: 22A

El Sueño Americano: A Study of Why Latinos are Underrepresented in Higher Education
Christianna Snyder, Daniela De Sousa Arocha, Megan Guerra; Nashville College of Medical Careers

Kiosk: 22C

The African-American History Requirement for Students in the School District of Philadelphia: Is it Worth the Controversy?
Brian Broderick; Villanova University

Kiosk: 63C

The Short and Long-Term Influence of "The Diversity Course" on Thoughts and Behaviors of Undergraduate Teacher Education Students
Sundee Proctor; Clayton College & State University

Electrical Engineering

Kiosk: 1B

Towards a Deployable, Low-Cost, High Speed, Long Distance Fiber Optic Network for the US Army
Jason Wilkes, Pongpat Taephanitcharoen, Khirsan Corbins; United States Military Academy

Kiosk: 1C

Towards Ultrafast Arrays of Photonic Crystal Vertical Cavity Surface Emitting Laser
Pongpat Taephanitcharoen, Jason Wilkes, Matthew Carroll; United States Military Academy

Kiosk: 3A

Treadmill Sensor Analysis
Morgan White; United States Military Academy

Engineering/Engineering Technology

Kiosk: 2A

Accessible Gardening Vehicle for Operators with Limited Mobility
Helen Peel, Brent Jones; North Carolina State University

Kiosk: 3B

Ammunition Resupply via Guided Projectiles
Brian Elliott; United States Military Academy

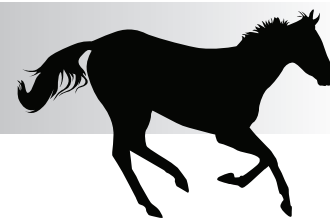
Kiosk: 23A

Automotive Generated Thermal Exhaust Waste to Electrical Power Conversion
Logan Gallagher; Norwich University

Kiosk: 23B

Dust and Noise Hazard Exposure: Comparison of PDC vs. WC Roof Bolt Bits in Laboratory
Jake Seiter, Mark Smith; University of Utah

Poster Session 9

**Kiosk: 64A**

In vitro 3-D Model of Ovarian Cancer for High Throughput Drug Screening and Personalized Medicine

Erin Flannery; University of Michigan

Kiosk: 64B

Near Wall Effects on the Stagnation Point of a Pitot Tube

Ed Ryznar; University of Kentucky

Kiosk: 65A

Wind Turbine

Sanusi Conteh; Howard University

Environmental Studies & Sciences**Kiosk: 23C**

Dust Influences Density and Carbon Content of Copepod Fecal Pellets.

Ebrahim Afshinnekoo; Macaulay Honors College at Queens College, CUNY

Kiosk: 24A

Going Green in India with Geothermal Power Using GIS

Tyler Tomaszewski; University of Wisconsin, Whitewater

Kiosk: 24B

Molecular Identification of the soil fungus Trichoderma sp.: A potential biological control agent of Phytophthora ramorum, the causal agent of Sudden Oak Death

Taylor Roberson, Adam Santiago; Dominican University of California

Kiosk: 65B

Reptile Reproduction under Changing Environmental Conditions

Lisa Raimondi; Northern Illinois University

Kiosk: 65C

The New Carbon Cycle

Chibueze Onwunaka; Susquehanna University

Geography & Earth Sciences**Kiosk: 24C**

Locating Sinkholes in LiDAR Coverage of a Glacio-fluvial Karst, Goodhue County, Minnesota

Caitlin Castner, Emma Young; University of Minnesota, Twin Cities

Kiosk: 25A

Tracking Detrital Rock Record to Understand Unroofing of the Himalayas in Nepal

Naomi Kellogg; Western Kentucky University

Health Sciences & Public Health**Kiosk: 1A**

The IMPAACT Pilot Study: Aerobic and Resistance Training of Cancer Survivors in Los Angeles County

Daniel Conti, Isabela Kuroyama; Loyola Marymount University

Kiosk: 4A

A Synthesis of Epigenetic Factors Caused by Maternal Obesity: Predisposition for Development of Childhood Obesity

Jordan Hiegel; Virginia Commonwealth University

Kiosk: 25B

An In-depth Study of Distal Radius Fracture Surgery: Improving the Doctor-Patient Relationship

Hunter Morrow; Virginia Commonwealth University

Kiosk: 25C

Effect of Increasing Amplitude Using an Electronic Lung Simulator on Tidal Volume and Peak Inspiratory Pressures During Adaptive Pressure Control

Douglas Stubbs Jr, Troy Lempesis; Boise State University

Kiosk: 26A

Exposure to Tobacco Advertising and Smoking Behavior: A Study of Ladakhi Adolescents

Anisha Gundewar; University of Rochester

Kiosk: 26B

Improving Preparedness of the Medical Community for Weaponized Smallpox: Identification, Vaccination, and Changes in Protocol

Krishna Kinariwala; Virginia Commonwealth University

Kiosk: 26C

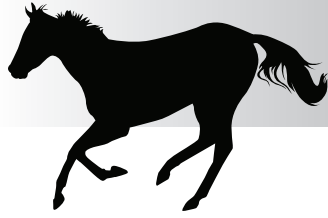
Prevalence of Advance Directives Among Hospitalized Older Adults

Elise Gamertsfelder; University of Pittsburgh School of Nursing

Kiosk: 66A

Self-Care as it Relates to Poverty Status and Age in U.S. Adults: American Time Use Survey

Sierra Moore; Ohio State University



Poster Session 9

Kiosk: 66B

The reliability of malaria rapid diagnostic tests through the seasons in Madagascar: Could storage conditions affect the efficacy of rapid diagnostic tests?

Collrane Frivold; Occidental College-

History**Kiosk: 27A**

The Centennial Exposed: How two souvenir books about the Centennial Exhibition of 1876 reveal the tensions surrounding women and African Americans in 19th century American society

Hope Hancock; Hope College

Interdisciplinary Studies**Kiosk: 4C**

Kids in Ottawa Project: The role of community resilience on school readiness outcomes.

Alan Hay; Carleton University

Kiosk: 27B

Qualitative Assessment of Self-Identity in Advanced Dementia

Sadhvi Batra; University of Alabama at Birmingham

Kinesiology & Exercise Science**Kiosk: 5A**

Core Strength Training Does Not Influence Distance Running Performance in Collegiate Cross-Country Runners

Kelsey Wiebusch; Gustavus Adolphus College

Kiosk: 27C

Estimation of Body Composition using Skinfolds Measurements in individuals with Spinal Cord Injury

Amy Walden; University of Louisville

Kiosk: 28A

The Acute Effects of Graston Technique on Power, Work, and Torque Output in Collegiate Female Track and Field Athletes

Shane Murphy, Kristin Jaskolski, Chuentao Ho, Caitlin Hooge; University of Wisconsin, Eau Claire

Kiosk: 28B

The Influence of Plantar Fasciitis on Ground Reaction Forces

Alexander Krause; University of Wisconsin, Milwaukee

Linguistics & World Languages**Kiosk: 5B**

Spelling Decoded: second language spelling acquisition via online applications

Samantha Wanta; University of Wisconsin, Milwaukee

Marketing**Kiosk: 6A**

The Effects of Bloggers Sitting Front Row at New York Fashion Week on the Speed of Fashion Trends Reaching Department Stores in New England

Haley Omasta; Southern Vermont College

Mathematics**Kiosk: 6B**

Degree 14 Extensions of the Field of 7-adic Numbers

Robert Cass; University of Kentucky

Kiosk: 29A

Isomorphic Circulant Graphs and Applications to Homogeneous Linear Systems

Shealyn Tucker; Salisbury University

Kiosk: 29B

Signaled Drug Delivery and Transport Across the Blood-Brain Barrier

Morgan Schroeder; University of Wisconsin, Milwaukee

Microbiology & Immunology**Kiosk: 7A**

Effect of the microbial community on fecal indicator bacteria survival at the sand water interface of an urban Milwaukee beach

Katherine Halmo; University of Wisconsin, Milwaukee

Kiosk: 29C

Investigating the role of ARMS expression and function in multiple myeloma cells

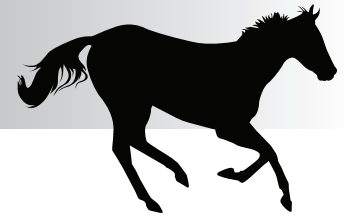
Abhiniti Mittal; University of Rochester

Kiosk: 30A

Sleep deprivation increases cytokine gene expression and plasma corticosterone levels in a murine model: a possible link between stress and inflammation?

Audrey Brown; Western Kentucky University

Poster Session 9

**Kiosk: 43C**

The Relationship Between Facebook Use and Emotional Well-Being as Moderated by Interpersonal Relatedness

Kathryn Coyle; Adelphi University

Kiosk: 44A

Time Perception in Negative Affects: The Role of Motivational Direction

Zach Beasley; University of Alabama

Kiosk: 44B

What's wrong with beautiful?: An exploration of gender bias in related programs

Devon Brown; Ohio State University

Social Work**Kiosk: 10B**

Heart of Africa: Empowering and Sustaining Families of Vulnerable Children

Samantha Hartman; Hope College

Sociology**Kiosk: 10C**

How On-Campus Involvement Impacts Student's Satisfaction and ultimately retention for First Generation College Students

Elizabeth Burbatt; Eastern Illinois University

Kiosk: 44C

Rave culture and MDMA usage among Caucasian, upper middle class adolescents in the United States as modern day rites of passage

Mai Lam; Virginia Commonwealth University

Kiosk: 45A

The Impact of Foreign Domestic Worker son the Upbringing of the Qatai Children

Bothaina AL-Nassr; Qatar University

Sustainability**Kiosk: 11A**

Development of Low-Cost Biofuels Instructional Laboratory Exercises

Samuel Knapp; University of Wisconsin, Stevens Point

Kiosk: 45B

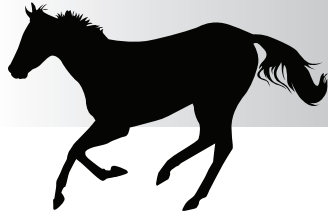
Season Extension of Vegetable Production Using High Tunnels

Karen Gjelhaug; University of Wisconsin- River Falls

Kiosk: 45C

Using New Photonic Technology to Improve Neural Prostheses: A Study on Sustainability

Christopher Williams; Virginia Commonwealth University



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- College
- College Student Personnel

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- Elementary Education
- Geography/Earth Science
- History
- Mathematics
- Middle School Education
- Modern Languages

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Organizational Development and Leadership (MS)

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- Communication
- Environmental Management
- Higher Education Structure & Policy
- Historical Administration
- Individual & Organizational Development
- Management Information Systems
- Public Organizations
- Social Structure & Organization

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- Behavioral Disorders
- Certification
- Learning Disabilities
- Mental Retardation/Developmental Disabilities

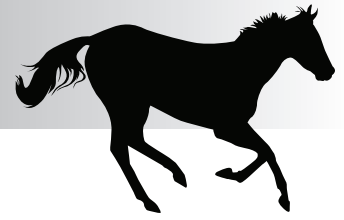
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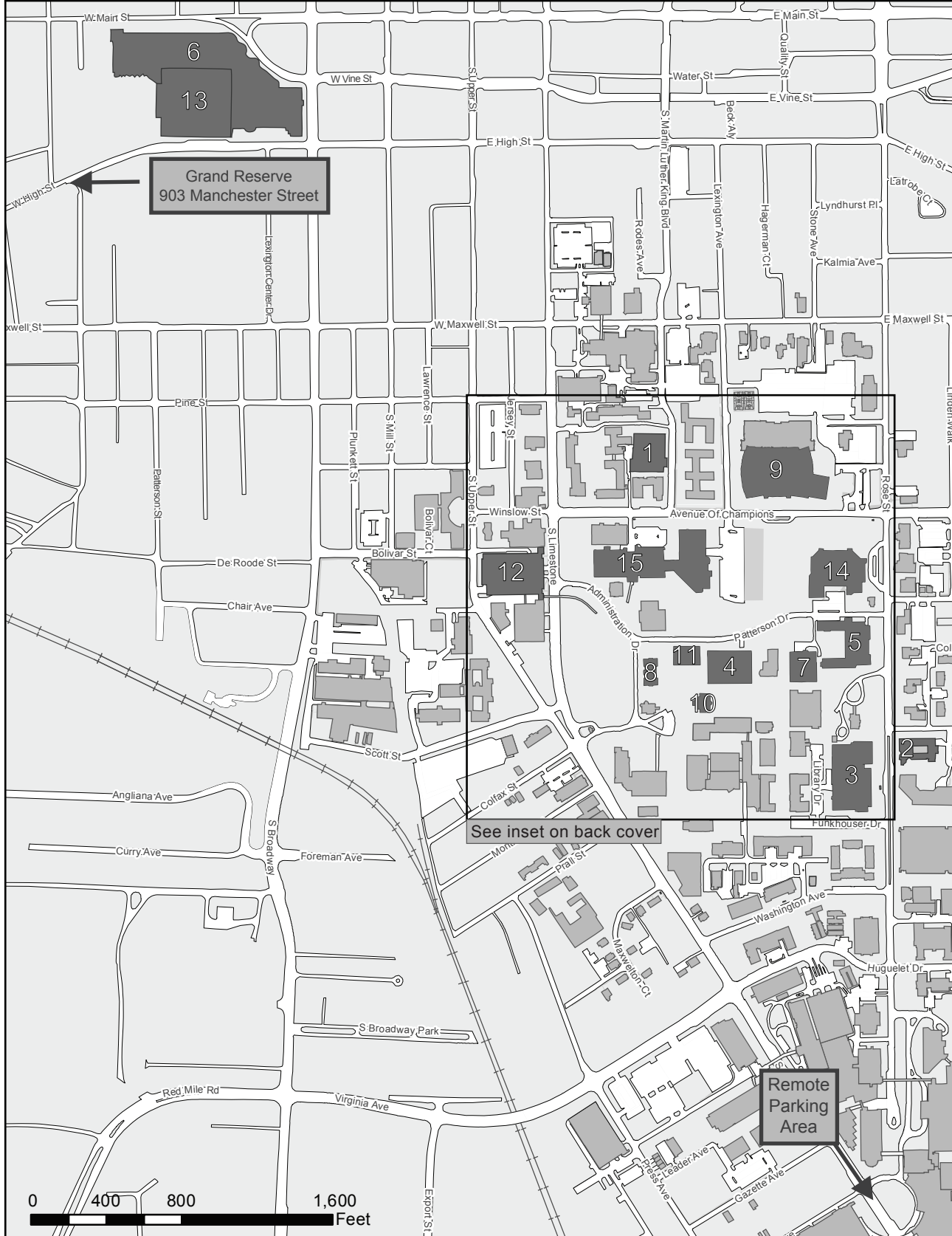
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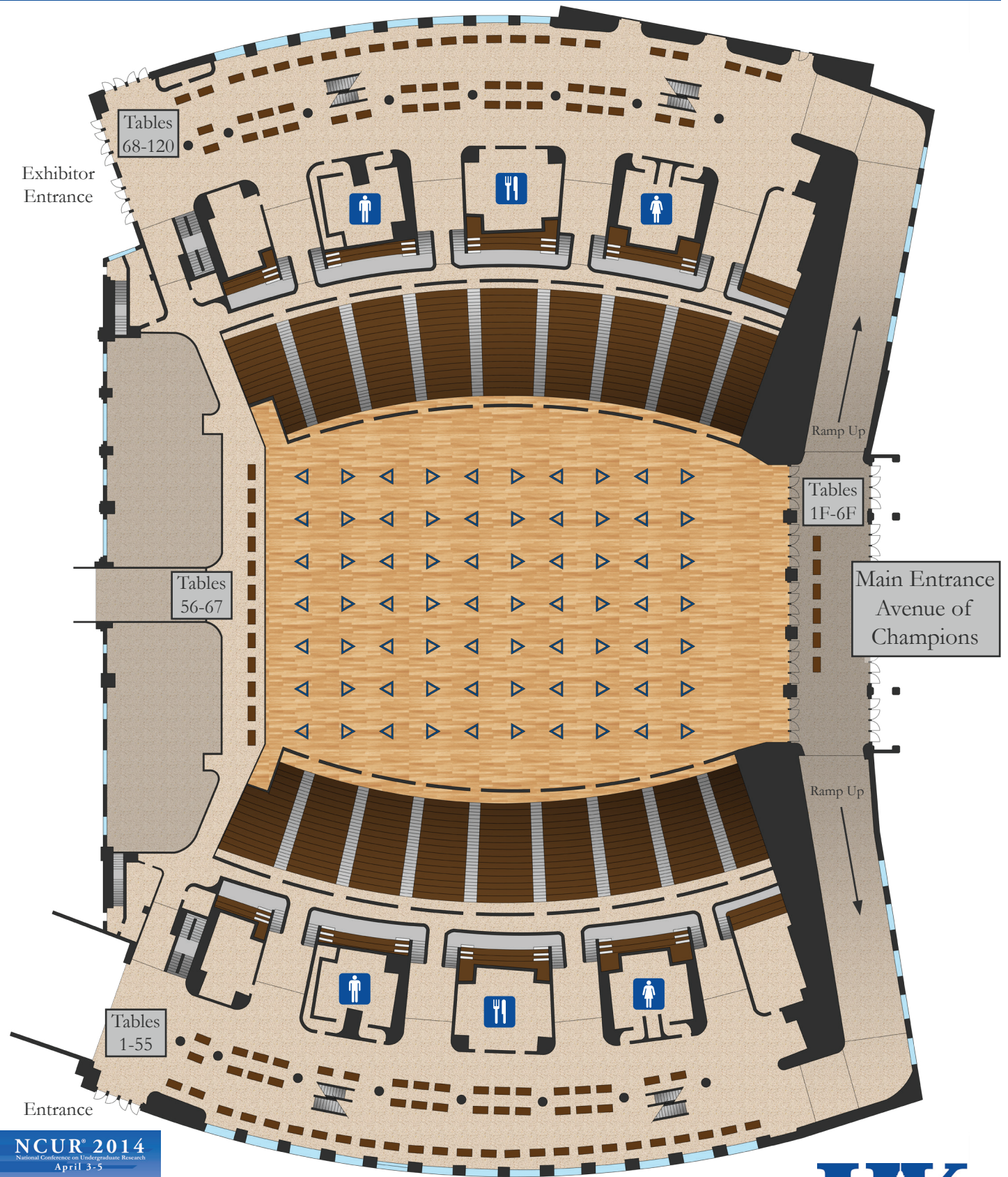


Area Map



- | | | |
|-----------------------|---------------------------|--|
| 1. Blazer Hall | 6. Lexington Center | 11. Office Tower |
| 2. Boone Center | 7. Lucille Little Library | 12. Parking Structure #5 |
| 3. Chem-Phys Building | 8. Main Building | 13. Rupp Arena |
| 4. Classroom Building | 9. Memorial Coliseum | 14. Singletary Center and The Art Museum |
| 5. Fine Arts Building | 10. Miller Hall | 15. Student Center |

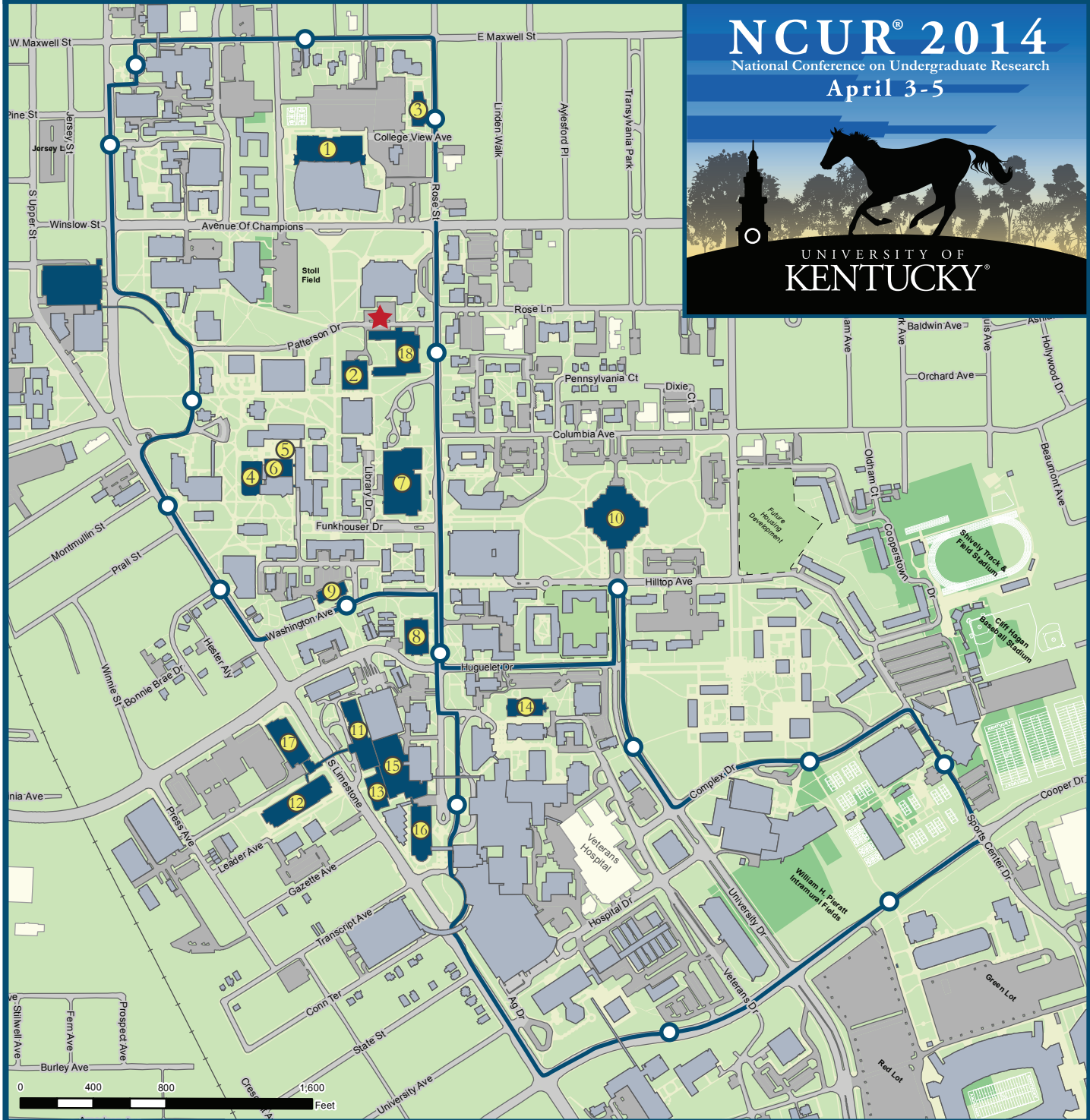
Memorial Coliseum Map



■ Tables ▲ Posters



Departmental Open House Map



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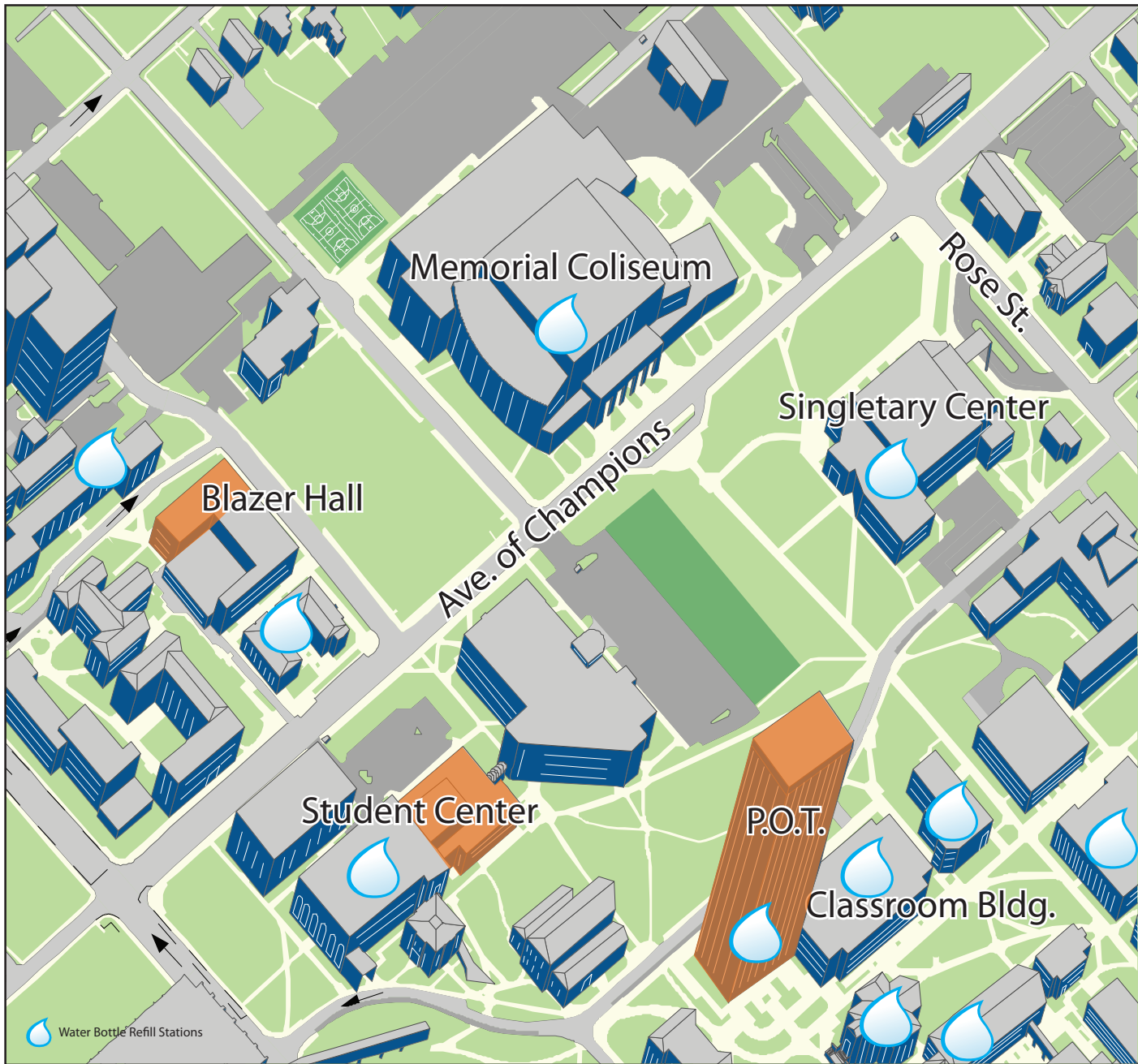


— Blue Line Bus Route ○ Bus Stop ★ Campus Shuttle Pick-Up ● Open House Location

- | | | |
|---|--------------------------------|--------------------------------------|
| 1. Joe Craft Center | 7. Chem-Phys Building | 13. Sanders Brown Building |
| 2. Little Library | 8. Thomas Hunt Morgan Building | 14. MRI Whitney Hendrickson Building |
| 3. Marksbury Building | 9. Slone Building | 15. Med Center Plaza |
| 4. Paul Anderson Tower | 10. Young Library | 16. CT Wethington |
| 5. College of Eng. Quadrangle Courtyard | 11. Kentucky Clinic | 17. BBSRB |
| 6. Raymond Building | 12. Pharmacy Building | 18. Fine Arts Building |

UK DINING SERVICES MAP

for NCUR 2014



Student Center



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STARBUCKS®

Blazer Hall

Blazer

Patterson Office Tower

Intermezzo

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NCUR 2014 Map



- ★ Hotel Shuttles
- ★ Remote Parking Shuttle
- ★ Evening Activities Shuttle
- ★ Open House/Excursion Shuttles
- ★ Airport Shuttle (Saturday only from 9:30 a.m. to 1:00 p.m.)

- Registration, Student Interest Sessions, NCUR Information, FAN Sessions, Breakfast and Lunch, and Presentation/Performances
- Graduate and Professional School Fair, Poster Sessions, Career Gallery, and Snacks
- Plenary Sessions, Performing Arts Sessions

- Student Presentation Sessions
- Student Presentation Sessions, and Art Gallery
- Lunch Option
- Limited self-pay parking for \$10 per day; See *Transportation*