GRADUATE STUDENT REGIONAL RESEARCH CONFERENCE

FEBRUARY 27-28, 2019

Showcasing the diversity of research on campus and in the region through poster and oral presentations along with the 3-Minute Thesis Competition

www.louisivlle.edu/graduate/gsc/research-conference
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Welcome from the Graduate Student Council

Now in its 12th year, the Graduate Student Regional Research Conference (GSRRC) offers graduate students an opportunity to share their research with the University of Louisville community through oral talks, posters, and the 3-minute thesis competition. Students gain valuable experience in presenting their work to an interdisciplinary audience and the conference highlights the diversity of graduate student research from across the region.

The GSRRC is hosted annually by the Graduate Student Council (GSC) at the University of Louisville. The GSC is comprised of 50 graduate students who serve to represent all graduate students at the University of Louisville. Amongst other things, the GSC organizes this conference annually to promote professional development and encourage presentation of graduate research.

On behalf of the Graduate Student Council, welcome and we hope you enjoy the conference!

Kelsey Kaht  
President, Graduate Student Council

Welcome from the Deans of the Graduate School

On behalf of the Graduate School at the University of Louisville, Acting Dean Paul DeMarco and Acting Associate Dean Barbara Clark welcome you to our 12th Annual Graduate Student Regional Research Conference. Our Graduate Student Council has worked tirelessly in reviewing the submissions to put together a strong program of events, papers, and posters to highlight the wonderful work that’s being carried out by students around in the region. We hope you will use these two days to network with colleagues from other graduate programs, and that you will make the most of this opportunity to learn from the work of others. We are amazed at how much exciting research and scholarship is going on here at the University of Louisville, as well as at the other public and private institutions across the region, and we are pleased to showcase some of it here. We hope to meet many of you over the two days of the conference and hope you a wonderful time here in Louisville!

Dr. Paul DeMarco  
Acting Dean, Graduate School

Dr. Barbara Clark  
Acting Associate Dean, Graduate School
The Graduate Student Regional Research Conference Planning Committee would like to extend the deepest gratitude to the following individuals for their assistance in planning and executing this research conference.

Graduate Student Council Executive Board

Kelsey Kaht                  President
Luis Cardona                Vice President
Rubens Petit Homme          Director of Outreach
Matthew Roth                Director of Professional Development
Fadoua Khmaissia            Director of Finance
Drew Skidmore               Director of Graduate Travel
Theo Malone                 Senator At-Large
Manooch Saeedi              Senator At-Large

Conference Planning Committee

Jerika Jones
Kelsey Kaht
Fadoua Khmaissia
Alexa Melvin
Rubens Petit Homme
Rachel Wells

Volunteers

Megan Bickel
Luis Cardona
Jason Gumbel
Blake Martin
Mohammad Rahaman
Rachel Rodriguez
Rachel Speer
Jenny Toyoda

Oral Talk Moderators

Luis Cardona
Brittney Corniel
Caroline Fitchett
Sahar Gohar
Caroline Jalain
Fadoua Khmaissia
Alexa Melvin
Manooch Saeedi
Drew Skidmore
Jenny Toyoda
Rachel Wells

Faculty Judges

Simona Bertacco
Barabara Clark
Joshua Fuqua
John Gamel
Azim Gokce
Maria Kondaurova
Lisa Markowitz
Nino Muradashvili
Rachel Neal
Ishwanzya Rivers
Tommy Roussel
Tamara Sluss
Hui Wang
# Schedule at a Glance

## Wednesday, February 27, 2019
### UL Health Sciences Campus

<table>
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<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td>Registration</td>
<td>9:30 am – 2:00 pm</td>
<td>CTRB Main Lobby</td>
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<tr>
<td>Coffee/Snacks</td>
<td>9:30 am – 10:30 am</td>
<td>CTRB Main Lobby</td>
</tr>
<tr>
<td>Exhibition Fair</td>
<td>10:00 am – 12:00 pm</td>
<td>CTRB Main Lobby</td>
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<tr>
<td>Oral Talk Session I</td>
<td>10:00 am – 10:45 am</td>
<td>CTRB 100, 101, 102</td>
</tr>
<tr>
<td>Poster Session I</td>
<td>11:00 am – 11:45 am</td>
<td>CTRB Main Lobby</td>
</tr>
<tr>
<td>“Leadership Summit” Lunch</td>
<td>12:00 pm – 1:00 pm</td>
<td>CTRB 101</td>
</tr>
<tr>
<td>Oral Talk Session II</td>
<td>1:15 pm – 2:00 pm</td>
<td>CTRB 100, 101, 102</td>
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## Thursday, February 28, 2019
### UL Belknap Campus

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<thead>
<tr>
<th>Event</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Registration</td>
<td>8:30 am – 4:15 pm</td>
<td>SAC Ballroom Atrium</td>
</tr>
<tr>
<td>Coffee/Snacks</td>
<td>8:30 am – 10:30 am</td>
<td>SAC Ballroom</td>
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<tr>
<td>Exhibition Fair</td>
<td>9:00 am – 12:00 pm</td>
<td>SAC Ballroom</td>
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<tr>
<td>Poster Session II</td>
<td>9:00 am – 9:45 am</td>
<td>SAC Ballroom</td>
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<tr>
<td>Oral Talk Session III</td>
<td>10:00 am – 11:00 am</td>
<td>SAC 107, 116, 117, 118</td>
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<tr>
<td>Poster Session III</td>
<td>11:00 am – 11:45 am</td>
<td>SAC Ballroom</td>
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<tr>
<td>Lunch</td>
<td>12:00 pm – 1:00 pm</td>
<td>SAC Ballroom</td>
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<tr>
<td>Oral Session IV</td>
<td>1:00 pm – 2:00 pm</td>
<td>SAC 107, 116, 117, 118</td>
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<tr>
<td>3-Minute Thesis Competition</td>
<td>2:15 pm – 4:00 pm</td>
<td>SAC Ballroom</td>
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<tr>
<td>Awards Reception</td>
<td>4:15 pm – 4:45 pm</td>
<td>SAC Ballroom</td>
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Special Events

Conference Passport

Pick up your conference passport at the registration table. For each event you attend, you will receive one stamp. After you collect five stamps, you can submit your passport into the raffle for prizes to be drawn at the Awards Ceremony on February 28.

Exhibition Fair

Wednesday, February 27, 2019
10:00 am – 12:00 pm
Clinical & Translational Research Building, Main Lobby

Thursday, February 28, 2019
9:00 am – 12:00 pm
Student Activities Center, Ballroom

Featured exhibitors include the Graduate Student Council, School of Interdisciplinary & Graduate Studies, Main & Clay Apartments, Commonwealth Credit Union, the University Library Services, the Writing Center, the Office of Student Affairs, OASIS, and more.
3-Minute Thesis Competition

Thursday, February 28, 2019
2:15 pm – 4:00 pm
Student Activities Center, Ballroom

The 3-minute thesis competition is an opportunity for students to present their research in a competitive showcase. Contestants must present their work in no more than three minutes with a single, static powerpoint slide. The winner at the University of Louisville will proceed to the regional competition.

2019 Contestants

**Saumya Gulati**  
Chemical Engineering, Doctoral Student, UofL  
*Aligned Tandem semiconductor microwire slurries for low-cost, high efficiency solar hydrogen generation*

**Moustafa Meki**  
Interdisciplinary Studies, Doctoral Student, UofL  
*Optimization of ventricular assist device flow modulation using relevant biomarkers normalization*

**Jack Molnar**  
Physiology and Biophysics, Doctoral Student, UofL  
*Hidradenitis suppurativa: the forgotten epidemic*

**Chi Peng**  
Pharmacology, Doctoral Student, University of Kentucky  
*Are anti-HIV drugs inducing heart attacks*

**Amberli Seay**  
Pan-African Studies, Masters Student, UofL  
*Discourse analysis of portrayals of IPV among black LGBTQ: a social work master’s thesis*

**Aaron Sexton**  
Biology, Doctoral Student, UofL  
*The bees’ needs: what best facilitates solitary bees in prairie restoration?*
Special Events

Leadership Summit

Wednesday, February 27, 2019
12:00 pm – 1:00 pm
Clinical and Translational Research Building, Room 101

This event features a panel of leaders from across the city of Louisville. They will each discuss their journey to leadership and offer guidance. Perfect for those students seeking careers in leadership! At the end of the session, there will be time for audience Q&A with the panelists. Lunch included only with RSVP.

Amer Beharic, MBA, MEng
Director of Clinical Effectiveness and Quality at Norton Healthcare
Amer is a first-generation immigrant from Bosnia & Herzegovina and lived in Germany for 8 years prior to moving to Louisville, KY. He currently works as a director of clinical effectiveness/quality at Norton Healthcare Inc. and as an adjunct faculty member for the business department at Ivy Tech Community College. Amer also serves on the Board of Directors for Metro United Way and has been involved in many committees within the organization. In 2018 he was part of the Louisville Business First’s “Forty under 40” cohort at the age of 26.

Ann Hall, PhD
Chair of the Department of Comparative Humanities at UofL
Ann is department chair in comparative humanities where she teaches drama and film. She has published widely: two books, A Kind of Alaska: Women in the Plays of O'Neill, Pinter, and Shepard and Phantom Variations: Adaptations of Gaston LeRoux's Phantom of the Opera. She has also edited and co-edited four collections such as Delights Dilemmas and Desires: Essays on Women in the Media, Making the Stage: Essays on the Changing Nature of Theatre, Drama, and Performance, Pop Porn: Pornography in American Culture and Mommy Angst: Motherhood in Popular Culture.

Jordan Wiehebrink, PhD
Associate Dean of Graduate Admissions at Bellarmine University
Jordan proudly serves as the Associate Dean of Graduate Admission at Bellarmine University, where she also recently completed her PhD in Education and Social Change. She is a two-time alumna of the University of Louisville, receiving her Master of Arts in Higher Education Administration ('12) and Bachelor of Arts in Psychology ('11). While her passion is all things higher education and enrollment management, she is also grateful for her role in fitness advocacy as a part-time instructor at Pure Barre Louisville.
Leveraging Your Graduate Degree

Thursday, February 28, 2019
12:00 pm – 1:00 pm
Student Activities Center, Ballroom

The focus of this panel is to educate students on how to leverage their graduate education to reach the career they seek. Learn about tips and tricks to marketing yourself and your degree from experts in education. There will be time for Q&A with the panelists near the end of the session. Lunch included only with RSVP.

Beth Boehm, PhD
Executive Vice President and University Provost at UofL
Beth was appointed as executive vice president and university provost at the University of Louisville on September 1, 2018 after a brief term as interim provost. Boehm joined the faculty of the University of Louisville as an assistant professor of English in 1987, and has served in the provost’s office since 2009, serving as associate provost for faculty affairs, vice provost for graduate affairs, and vice provost for academic affairs, in which role she was responsible for both undergraduate and graduate affairs. She also served as dean of the school of interdisciplinary and graduate studies for eight years before being appointed as interim provost.

Robert Keynton, PhD
Interim Executive Vice President for Research & Innovation at UofL
Robert is the Interim Executive Vice President for Research & Innovation at UofL and professor and Lutz Endowed Chair of Biomechanical Devices in the Department of Bioengineering at UofL. He received the B.S. degree in engineering science and mechanics from Virginia Tech in 1987 and the M.S. and Ph.D. degrees in biomedical engineering from the University of Akron in 1990 and 1995, respectively. In 1995, he joined the Biomedical Engineering program at Louisiana Tech University (LTU) as an Assistant Professor and became the Associate Director of Engineering for the Center of Applied Physics Studies in 1997 at LTU. He joined UofL in 1999.

Mordean Taylor-Archer, PhD
Vice Provost for Diversity and International Affairs at UofL
Mordean provides leadership and support for diversity planning and programs and works collaboratively with administrators, faculty, staff and students to achieve diversity goals. These include increasing the number of underrepresented faculty, staff and students, improving retention and graduation rates, supporting curricula and global activities that help prepare students to live and work in a diverse and global society. The overarching goal is to build an inclusive campus community where everyone is valued and can develop to his/her full potential.
Awards Ceremony

Thursday, February 28, 2019
4:15 pm – 4:45 pm
Student Activities Center, Ballroom

Poster Presentation Awards
- Faculty will choose a first-place presenter from each poster session. Winning poster presenters will receive books about the experience of graduate education.

3-Minute Thesis Competition Awards
- Faculty will choose a first-place, second-place, and third-place in the competition. There will also be a prize for the audience favorite. Students chosen to receive awards will get tickets to local attractions, like the Belle of Louisville, Evan Williams Bourbon Experience, KY Derby Museum, and Louisville Zoo.

Audience Raffle Prizes
- Everyone who attends the conference will receive a conference passport. Collect stamps on your conference passport for every conference event you attend. After you get 5 stamps, you can enter your passport into our raffle drawing for great prizes. Prizes include an Amazon Echo Dot, Amazon Fire Tablet, FujiFilm Instax Mini 8 Camera, Roku Streaming Stick, External Hard Drive, and more! Must be present at the awards ceremony to win.
Oral Talk Session I

CTRB Room 100
Bioengineering
10:00 am – 10:15 am
Keyonna McKinsey, UofL
Development of a Statistical Shape Model of the Infant Femur

Biology
10:15 am – 10:30 am
Susana Perez Martinez, UofL
Prenylation is required for establishment of multicellularity and cell differentiation in Physcomitrella patens

Chemistry
10:30 am – 10:45 am
Jay Sharma, UofL
Effect of different assembly methods and electrode materials on electrochemical surface area-to-volume ratios and oxidation behaviors of surface-attached metal nanoparticles

CTRB Room 101
English Rhetoric & Composition
10:00 am – 10:15 am
Caitlin Ray, UofL
Negotiating Authority: Articulating the Rare Disease Experience

10:15 am – 10:30 am
Megan Boyett, UofL
Writing Identities in Displaced Motherhood

10:30 am – 10:45 am
Michelle Pena, UofL
The Lamia: The Historical Non-human Woman

CTRB Room 102
Educational Leadership, Evaluation, & Organizational Leadership
10:00 am – 10:15 am
Tara McKinley, UofL
Interpretive Phenomenological Analysis of the Interplay of Factors Affecting Burnout in Academic Medical Faculty

Philosophy
10:15 am – 10:30 am
James Lincoln, University of Kentucky
Changing Value Perceptions

Business
10:30 am – 10:45 am
Gill Finley, Kentucky State University
Analyzing the Impact of Walmart Supercenters on the Small Businesses of Rural Areas in Kentucky
Oral Talk Session II

CTRB Room 100

Nursing
1:15 pm – 1:30 pm
Hedaya Hina, UofL
Quality of Life of Women with Breast Cancer in Arab Countries: A Systematic Review

1:30 pm – 1:45 pm
Dedra Hayden, UofL
Oral Exam in Primary Care

1:45 pm – 2:00 pm
Montray Smith, UofL
Personal Family Disaster Plan with a Child with Special Healthcare Needs

Pharmacology & Toxicology
1:45 pm – 2:00 pm
Rachel Speer, UofL
Suppression of E2F1 and RAD51 in Chromate-Induced Failure of Homologous Recombination

CTRB Room 101

Chemistry
1:15 pm – 1:30 pm
Badri Mainali, UofL
Understanding the Thermal Sintering Behavior of Sub 2 nm Diameter Gold NanoparticlesSynthesized with Weak Stabilizers

1:30 pm – 1:45 pm
Ram Hona, UofL
$\text{Sr}_2\text{Fe}_2\text{O}_6-\delta$ as an anode electrode for Li-ion battery

Pharmacology & Toxicology
1:30 pm – 1:45 pm
Jennifer Toyoda, UofL
Particulate Hexavalent Chromium Does Not Induce Centrosome Amplification in Sperm Whale and Bowhead Whale Cells

Microbiology & Immunology
1:30 pm – 1:45 pm
Autumn LaPointe, UofL
Identifying the Role of Noncapped Alphaviral RNAs During Infection

1:45 pm – 2:00 pm
Samantha Morrissey, UofL
Tumor-derived exosomes polarize macrophages to upregulate PD-L1 through metabolic reprogramming in a pre-metastatic niche
Oral Talk Session III

SAC Room 107
Pan-African Studies
10:00 am – 10:15 am
Jakia Marie, UofL
Black and Multicultural Fraternities: Experiences of African-Born Members

Humanities
10:15 am – 10:30 am
Bamba Ndiaye, UofL

SAC Room 116
Psychology & Brain Sciences
10:00 am – 10:15 am
Lindsay Knight, UofL
Imaginal exposure eating disorder fear scripts are associated with increased activation related to threat and internally generated thought: A proof-of-concept fMRI study

10:15 am – 10:30 am
Teodora Stoica, UofL
Individual Differences in Affective and Cognitive Empathy Reflected in Brain’s Intrinsic and Functional Network Dynamics

Social Work
10:30 am – 10:45 am
Donghang Zhang, UofL
Measuring the Positive Parenting Scale Using Item Response Theory

10:45 am – 11:00 am
Jennifer Ballard-King, UofL
Conceptualizing and Measuring Undergraduate Students’ Perceptions of Safety in the Postsecondary Learning Environment: A Mixed-Methods Phenomenological Research Study

SAC Room 117
Chemistry
10:00 am – 10:15 am
Arghya Pratim Ghosh, UofL
Theoretical modeling of light-induced activation of the organometallic Co-C bond in MeCbl-dependent methionine synthase

10:15 am – 10:30 am
Sagar Mudshinge, UofL
HCl-DMPU Mediated Synthesis of 4-Chloropiperidines by Cyclization of Homoallylic Amines with DMSO: An aza-Pummerer Approach

10:30 am – 10:45 am
Abdullah Al Mamun, UofL
Can photolysis of the Co-C bond be used to mimic the native enzymatic catalysis of the coenzyme B12?

10:45 am – 11:00 am
Surendra Karki, UofL
A study on the Electrical and Magnetic Properties of BaSrMMoO6 (M = Mn, Fe, Co, Ni)

SAC Room 118
English
10:00 am – 10:15 am
Abigail Wills, UofL
“Proud and Insolent Youth”: Peter Pan, Moral Insanity, and Dracula’s “Child Brain”

10:15 am – 10:30 am
Quaid Adams, UofL
Doctor Who: Speciesism and the Doctor’s Morality as Framework for Human Behavior

10:30 am – 10:45 am
Catherine Lange, UofL
Babashook: The Babadook as a Manifestation of Latent Lesbianism

10:45 am – 11:00 am
Adam Yeich, UofL
Failure to Address: Captain America and Police Brutality
Oral Talk Session IV

SAC Room 107
Counseling & Human Development
1:00 pm – 1:15 pm
Haley Ellis, UofL
Leading Across Borders: A Review of Comparative Leadership Research in the Past Decade

Urban & Public Affairs
1:15 pm – 1:30 pm
Glyptus Ann Grider Jones, UofL
The Case for Charter School Formation as Secession

Counseling & Human Development
1:30 pm – 2:00 pm
Allison Fowler, UofL
Understanding Underachievement

SAC Room 116
Biology
1:00 pm – 1:15 pm
Aubrey Mojesky, UofL
Bacteriocin-mediated interactions increase with spatial scale in household Pseudomonas aeruginosa

Bioengineering
1:15 pm – 1:30 pm
Alexa Melvin, UofL
A 3D Printed Microfluidic Manifold to Separate Plasma from Whole Blood

Civil & Environmental Engineering
1:30 pm – 1:45 pm
Muting Ma, UofL
A Proactive Approach for Intersection Safety Visualization based on Real-time Radar Sensor Data

Mathematics
1:45 pm – 2:00 pm
Katie Christensen, UofL
Introduction to the algebraic properties of neural codes

SAC Room 117
Physics & Astronomy
1:00 pm – 1:15 pm
Sahar Goharshenasanesfahani, UofL
Delay Modulation in Pump-Probe Experiment

1:15 pm – 1:30 pm
Adel Alruqi, UofL
Graphene-WS2 heterostructures by a lithography free method: their electrical properties

Chemistry
1:30 pm – 1:45 pm
Selorm Fanah, UofL
A New Lithium-Conductive Oxide, Li2LaTaTiO7

1:45 pm – 2:00 pm
Dhruba Pattadar, UofL
Understanding the Metal Nanoparticles Size Effect for Electrochemically Induced Ostwald Ripening: A Case Study with Au Nanoparticles

SAC Room 118
Early Childhood & Elementary Education
1:00 pm – 1:15 pm
Christie Angleton, UofL
Learning Stories: Democratizing Early Education Documentation Practices

1:15 pm – 1:30 pm
Lauren Fletcher, UofL
Sustaining Students’ Culture in Classrooms: Disrupting Traditional Pedagogy

Middle & Secondary Education
1:30 pm – 1:45 pm
Yohimar Sivira, UofL
Translanguaging practices and identities of Latinos in higher education

Women’s & Gender Studies
1:45 pm – 2:00 pm
Madeleine Gillman, UofL
Sex Ed in the Wake of #MeToo
Poster Session I

Anatomical Sciences and Neurobiology
P1. Jason Gumbel, UofL
Activity-based training effects on upper urinary tract function following spinal cord injury

Bioengineering
P2. Nick Allen, UofL
Synthesis and Evaluation of pH sensitive Gold Nanoparticles for Glioblastoma Treatments
P3. Connor Centner, UofL
Ultrasound Drive Microfluidic Device for Enhanced Intracellular Delivery of Molecular Components

Microbiology and Immunology
P4. Morgan Duff, UofL
Gut microbiota modulation of germinal center reactions impacts severity of Plasmodium infections

Pharmacology and Toxicology
P5. Aaron Whitt, UofL
Paraoxonase 2 plays a critical role in non-small cell lung carcinoma proliferation
P6. Haiyan Lu, UofL
Homologous Recombination Repair Protects against Genomic Instability in Bowhead Whale Lung Cells After Prolonged Particulate Chromate Exposure

Nursing
P7. Melissa Amraotkar, UofL
A Systematic Review of Cardiac Rehabilitation Participation: Barriers and Facilitators

P8. Susan Winebrenner, UofL
Fear of Cancer Recurrence: A Concept Analysis
P9. Heather Raley, UofL
Optimizing Healthy Gestational Weight Gain in Prenatal Patients
P10. Montray Smith, UofL
Personal Family Disaster Plan with a Child with Special Healthcare Needs
P11. Hedaya Hina, UofL
Quality of Life of Women with Breast Cancer in Arab Countries: A Systematic Review

Health Promotion & Behavioral Sciences
P12. Jason Deakings, UofL
Assessing the Roles of Knowledge, Attitudes, and Trust in African American College Students’ Willingness to Participate in Medical Research
P13. Malea Hoepf, UofL
Medicaid in a time of Policy Change: Views from Assisters and Consumers

Education
Studying the Local Homeschooling Culture: Observing the homeschooling parents’ enacted practices concerning early literacy
SAC Ballroom
9:00 am – 9:45 am

English
P1. Quaid Adams, UofL
The New Gothic: American Media and Popular Culture

Theater Arts
P2. Mutiyat Ade-Salu, UofL
FEAST: A Yoruba Diaspora

Psychology
P3. Kristen Luongo, Spalding University
The Potential for Negative Outcomes Risk Assessment Battery

Counseling & Human Development
P4. Natalie Hewlett, UofL
Emotional Intelligence, Leadership and Burnout among Helping Professionals

Educational Leadership, Evaluation, & Organizational Leadership
P5. Michelle Jackson, UofL
So Many Scales, So Little Time: Using Psychometrics, Context, and Specificity to Evaluate and Select Resilience Scales

Biology
P6. Robert Skolik, UofL
NEET Energetics: CDGSH Proteins Play Fundamental Roles in Cellular Bioenergetics

Chemistry
P7. Caleb Calvary, UofL
Facile and Efficient Synthesis of Thiosemicarbazone Derivatives with Functionalized Pendant Amines

P8. Steve Cronin, UofL
Homogeneous reduction of atmospheric carbon dioxide by a neutral zinc complex

P9. Pom Kharel, UofL
Photovoltaic Improvement of Mixed Halide Hybrid Perovskite Solar Cells due to Light Soaking in an Environment of Argon

Physics & Astronomy
P10. Bhupendra Karki, UofL
Structural Studies of Low-Dimensional Materials with Possible Topological Properties

Health & Sport Sciences
P11. Amy Kozerski, UofL
Hemoglobin A1c (HbA1c) levels and Sport Participation in Children with Type 1 Diabetes (T1D)

Computer Engineering & Computer Science
P12. Mariem Boujelbene, UofL
Clustering Autism Spectrum Disorder (ASD) Data

P13. Aneseh Alvanpour, UofL
Fairness and Explainability in Recommender Systems

P14. Sami Khenissi, UofL
Modeling and Counteracting Exposure Bias in Recommender Systems

P15. Olurotimi Seton, UofL
Tag-Assisted Explainable Matrix Factorization for Movie Recommendation

P16. Asma Baccouche, UofL
Enhancing Sentiment Analysis of Health-Related Tweets Using Deep Learning

Special Education
P17. Caroline Fitchett, UofL
Making it Meaningful: Shared Reading Strategies for Students with Autism Spectrum Disorder and Low Incidence Disabilities
Poster Session III

SAC Ballroom
11:00 am – 11:45 am

Music
P1. Anna Vander Boon, UofL
Musical Experiences in Haiti: a Service-Learning Project

Psychological & Brain Sciences
P2. Karisa Hunt, UofL
Overlapping Lateral and Medial PFC Neural Networks Relate to Emotion and Mnemonic Suppression

Nursing
P3. Jade Chatman, UofL
The Perceptions of Pre-Nursing High School Students about Success in Nursing Education

Biology
P4. Katie Humrick, UofL
Genetics Understanding and Moral Reasoning
P5. Hyun Jin Jung, UofL
Study of the biological functions of Rab geranylgeranyltransferase in the moss Physcomitrella patens (P. patens)

Health & Sport Sciences
P6. Ian O’Brien, UofL
Ergogenic, Perceptual and Metabolic Responses to Palm Cooling

Chemistry
P7. Caleb Calvary, UofL
Synthesis and Electrochemical Characterization of Copper(II) Bis(thiosemicarbazone) Catalysts for Hydrogen Evolution Reactions
P8. Harikrishnan Nambiathan Nambiar, UofL
Aggregation-Dependent Oxidation of Different-Sized Gold Nanoparticles
P9. Nina Saraei, UofL
Formation of 1D water wires in two isostructural Cu(II) and Ni(II) complexes: Synthesis, characterization, and thermal analysis

Physics & Astronomy
P10. Sahar Pishgar, UofL
Investigation of the surface corrosion of III-V semiconductors, GaP and GaSbP

Bioengineering
P11. Mohamed Ali, UofL
Diagnosing Autism Using Morphological Features Extracted from Structural MRI

Computer Engineering & Computer Science
P12. Heba Kandil, UofL
A Novel MRA-Based Framework for Correlating Cerebrovascular Changes to Mean Arterial Pressure
P13. Ahmed Shaffie, UofL
Integration of Imaging based Markers and Clinical Biomarkers for Early Detection of Lung Cancer
P14. Mohammend Alshammari, UofL
Building Semantically Intelligent Explanations into a Black Box Recommender System
P15. Pegah Sagheb, UofL
A Novel Explainable Deep Learning Recommendation System
P16. Khalil Damak, UofL
An Explainable Deep Learning MIDI-based Hybrid Song Recommender System
P17. Asuman Cagla Acun Sener, UofL
A Big Data Methodology for Automated Analysis of Classroom Response System Data and Adaptive Activity Question Design in Active Learning Classrooms

Business & Computer Science
P18. Eve Ann Jones, Kentucky State University
Employee Engagement and Retention for Community Banks