

IUURC 22 – Program 2016

Time	Event	Room	Topic Area
8:00-11:00 am	Registration		
8:00-10:00 am	Continental Breakfast		
8:30-10:00 am	Final Competition (closed to public)	Room C	

Breakout Sessions: 9:00-10:05 am

9:00-10:00 am	Poster Session I <i>Posters P1 – P21</i>	Lobby	STEM Health & Life Sciences Social & Behavioral Sciences
9:15-10:05 am	Oral A <i>Talks O 1 – O 4</i>	Room A	Arts & Humanities SPEA
9:15-10:05 am	Oral B <i>Talks O 5 – O 8</i>	Room B	Health & Life Sciences
10:15-10:20 am	Welcome – Dominique Galli, CRL Dir.	Auditorium	
10:20-10:55 am	Key Note – Fred Cate, VP Research	Auditorium	

Breakout Sessions: 11:00 am -12:00 pm

11:00-12:00 pm	Poster Session II <i>Posters P22 – P51</i>	Lobby	Life & Health Sciences Social & Behavioral Sciences STEM Business
11:00-12:00 pm	Oral C <i>Talks O 9 – O 13</i>	Auditorium	Social & Behavioral Sciences
11:00-12:00 pm	Oral D <i>Talks O 14 – O 18</i>	Room A	Social & Behavioral Sciences
11:00-12:00 pm	Oral E <i>Talks O 19 – O 23</i>	Room B	Arts & Humanities

Lunch Break

IUURC Awards: 1:00-1:15 pm

1:00-1:15 pm	IUURC Competition Awards Ceremony	Auditorium	
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Breakout Sessions: 1:20-2:20 pm

1:20-2:20 pm	Poster Session III <i>Posters P52 – P81</i>	Lobby	Social & Behavioral Sciences Arts & Humanities
1:20-2:20 pm	Oral F <i>Talks O 24 – O 28</i>	Auditorium	Health & Life Sciences
1:20-2:20 pm	Oral G <i>Talks O 29 – O 33</i>	Room A	STEM
1:20-2:20 pm	Oral H <i>Talks O 34 – O 38</i>	Room B	STEM Health & Life Sciences

Breakout Sessions: 2:30-3:30 pm

2:30-3:30 pm	Oral I <i>Talks O 39 – O 43</i>	Auditorium	Social & Behavioral Sciences
2:30-3:30 pm	Oral J <i>Talks O 44 – O 48</i>	Room A	Social & Behavioral Sciences
2:30-3:30 pm	Oral K <i>Talks O 49 – O 52</i>	Room B	Arts & Humanities Health & Life Sciences

Poster Session I

9:00am – 10am

- P1. McDaniel, Devin** (IUPUI) – *Rethinking Access to Content: Learning Commons Models as Second-Access*
- P2. Collins, Daniel** (IUPUI) – *Electrochemical Detection of Inorganic Materials Used in Explosives*
- P3. Powell, Kristen** (IUPUI) – *Microfluidic Device for the Encapsulation of Bacteria in Droplets*
- P4. Kasacheuski, Uladzimir** (IUPUI) - *Computational Optimization of Hybrid Cellular Automaton Model of Cell Spheroids Metabolism*
- P5. Esperanca, Alvaro** (IUPUI) – *Development of a Low Cost Non-Optical Motion Capture System for Rapid Clinical Assessment of Pathological Gait*
- P6. Miller, Doryan** (Bloomington) – *Examining Globular Clusters in the Blanco DECam Bulge Survey*
- P7. Reger, Roy** (Bloomington) – *Neutral Hydrogen Analysis of the Dwarf Irregular Galaxy WLM*
- P8. Burnett, Jeremy** (IU Kokomo) – *Numerical Simulation of Accretion Induced Collapse of One Component of a Double White Dwarf Binary System*
- P9. Chen, Jaiwei** (Bloomington) – *Up in the Air: Ground Effect of Propellers and Altitude*
- P10. Justiniano, Amanda** (IUPUI) – *Test Suite Node Manager*
- P11. Roberts, Holly** (Kokomo) – *Analyzing Geographic Structure Using Genetic Variation of *Elymus Canadensis**
- P12. Delgado, Fatima** (IUPUI) – *Comparing the effectiveness of the normalization of *Dyrkla* in rescuing cognitive phenotypes in a *Ts65Dn* model of Down Syndrome*
- P13. Anderson, Matthew** (IUPUI) – *Regulation of Actin-Based protrusions by the hedgehog Pathway*
- P14. Dietl, Taylor** (IUPUI) – *The Effects of Garlic on Nicotine-Induced *Streptococcus Mutans* Biofilm Formation*
- P15. Hackett, Jason** (IUPUI) – *Effect of Kinesio Tape on Heat Pain Sensitivity*
- P16. Patel, Roshni** (IUPUI) – *Efficacy of normalizing of *Dyrk1a* copy number in the *Ts65Dn* mouse model for Down syndrome in rescuing learning and short-term memory deficits*
- P17. Wind, Brandon** (IUPUI) – *The Effect of Transcranial Direct Current Stimulation on Conditioned Pain Modulation in Healthy Older Adults*
- P18. Singer, Siarra** (Kokomo) – *Transition to Kindergarten for Students with Special Needs: A Review of the Literature*
- P19. Kriech, Amber** (IUPUI) – *Personal Leadership Development: Perceived Value of Peer Mentoring Experience”*
- P20. Christian, Aspen** (IUPUI) – *Access to Physical Activity in Mapleton-Fall Creek: An Ethnographic Project*
- P21. Jettinghoff, William** (Bloomington) - *Free Will Belief as a Predictor of Self-Handicapping*

Poster Session II

11am – 12:00pm

- P22. Kowalczyk, Dominik** (Northwest) - *Peptidoglycan Recognition Proteins Kill Escherichia Coli by Inducing Oxidative Stress*
- P23. Petri, Belinda** (Southeast) – *Investigating Protein Interactions of the Pyridoxal 5'-Phosphate Synthase Complex of Arabidopsis Thaliana*
- P24. Divine, Kenedi** (Southeast) – *GC-MS Studies of Time-Dependent Compositional Change in Single-Plant Extract*
- P26. Fee, Casey** (Southeast) – *Effectiveness of Childhood Immunizations in Honduras*
- P27. Soy, Stefanie** (Northwest) – *Quantitative/Qualitative Analysis of Neonicotinoids and Glyphosate in Northwest Indiana Honey and Was Samples*
- P28. Yang, Christine** (Bloomington) – *Synthesis and Analysis of Gold Nanorod Encapsidating Virus-like Particles with TEM and AFM*
- P29. Parker, Abigail** (IUPUI) – *Cognitive Therapeutics in a Mouse Model of Down Syndrome: Comparison of Pharmacological and Genetic Targeting of Dyrk1a in Ts65Dn Mice on Spatial Navigation Performance in the Morris Water Maze*
- P30. Believeau, Michelle** (South Bend) – *The Similarities between Christianity and New Religious Movements: Are people's perception of Christianity and New Religious Moments dependent on their level of religiosity*
- P31. Enoch Oduro, Enoch** (South Bend) – *Who is to Blame for Your Procrastination*
- P32. Acton, Aaron** (Southeast) – *Video Games and Education: Why They Should Be Friends*
- P33. Barrett, Anne** (Southeast) – *The Influence of Humor on Word Memory*
- P34. Chumley, Stefanie** (Southeast) – *Learning Style Perceptions: Teachers' Perceptions of Student Learning Styles*
- P35. Cooper, Chandler** (Southeast) – *Creating an Online Community*
- P36. Eastridge, Jordan** (Southeast) – *First We Dream: Exploring the Function of Dreaming as a Learning Process*
- P37. Wysong, Brandon** (Kokomo) – *Differential Effects of Heavy Metal Ions on Recombinant Green-Fluorescent Protein (GFP)*
- P38. Elmastry, Mary** (Kokomo) – *Photo electrochemical and Magnetic Studies on Photoactive Interface poly 2,2 Bithiophene/Fe₂O₃*
- P39. Alexeev, Evgueni** (Bloomington) – *Analysis of Kaon Pair Production from the CLAS Detector*
- P40. Metangmo, Armelle** (IUPUI) – *Electrochemical Detection of Bacteria in Food and Water Using Paper-based Devices*
- P41. Strobel, Oliver** (IUPUI) – *Cloning and Expression of the Putative Benzoylformate Decarboxylases from S. Sulfataricus and A*
- P42. Day, Aaron** (Southeast) – *Hafnium Inspired Acylation of Alcohols and Polyols with Hindered Anhydrides*
- P43. Earl, Lindsey** (Southeast) – *Highly Efficient Copper Inspired acylation of Alcohols and Polyols*
- P44. Shelton, Michaela** (Southeast) – *Exploring the Use of Cationic Copper Catalyst in the formation of Glycosides*
- P45. Flannery, Coty** (Southeast) – *A Study of Deltaic Sediments at Seven Springs Lake Harrison County, Indiana*
- P46. Luther, Laura** (IUPUI) – *Characterization of ABS-HDPE Blended Virgin Filaments*
- P47. Nguyen, Michelle** (IUPUI) – *Introducing High Precision MEMS/NEMS Research Components into Electrical Engineering Elective Course*
- P48. Momoh, Ibrahim** (IUPUI) – *Synthesis and Characterization of Nano-Sensing Devices*
- P49. Abdo, Jonathan** (IUPUI) – *Tracking the Deadly Chronic Diseases Through Social Media*
- P50. Agho, Amadin** (IUPUI) – *The Roles Gender and Service Experience Play in Tipping Behavior Among Millennials*
- P51. McCraig, Don** (IUPUI) – *Are the BRICS Countries on The Decline?*

Poster Session III

1:20pm – 2:20pm

- P52. Rhodes, Jamieson** (IUPUI) – *“Teachers’ Perspectives of Diverse Classrooms Explored Through Oral History*
- P53. Zuccarelli, Tyler** (Northwest) – *Stranger*
- P55. Eley, Kenda** (Southeast) – *Making Education Accessible to All*
- P56. Grantz, Brooklin** (Southeast) – *Handouts and the Writing Center OWL*
- P57. Hall, Taryn** (Southeast) – *An Examination of the Pilot Semester of IU Southeast’s Writing Fellows Program*
- P58. Lingard, Jeffrey** (Southeast) – *How the Internet Can Change the Third World*
- P59. Sawdy, Mallory** (Southeast) – *Promoting Professional Writing Skills Within the Community; Using the University as the Vessel for Community Engagement*
- P60. Woodward, Abigail** (Southeast) – *Creating a Universal Writing Center*
- P61. Eddleman, Paula** (Southeast) – *A Pilot Study: The Effects of Social Exclusion on Aggression*
- P62. Goodrow, Faron** (Southeast) – *Emotions, Happiness, and Personality*
- P63. Guernsey, Skylar** (Southeast) – *Are you hungry*
- P64. Johnson, Robert** (Southeast) – *Gender Differences of College Aged Individuals in Relation to Stress Coping Strategies*
- P65. Johnson, Lindsay** (Southeast) – *Social Anxiety and Its Effect on Online Relationships*
- P66. Gordon, Brianna** (Bloomington) – *Effects of Friendship Networks and Incentive Goals in Interracial Interactions*
- P67. Million, Brandon** (IUPUC) – *Social Rejection and Ostracism within the Gay Community*
- P68. Riney, Hailee** (Southeast) – *Difficulties in Dating Relationships*
- P69. Schwartz, Adam** (Southeast) – *A Pilot Study: Salivary Cortisol Concentrations Following Cyberball and Cold-Pressor*
- P70. Glaab, Jessica** (Southeast) – *Gender Differences in Romantic Partner Preferences*
- P71. Hook, Kassadye** (Kokomo) – *Evidence of Inclusion on College and University Websites*
- P72. Tutrow, Kaylee** (IUPUI) – *Examining the Relationship between Self-Distancing and Prosocial Behavior*
- P73. Schad, Elizabeth** (Southeast) – *Does Level of Education Predict Implicit Bias in a Simulated Police-Shooting Task*
- P74. Alexander, Alexis** (Southeast) – *Stress and Creative Arts*
- P75. Fredrickson, Andrew** (Southeast) – *Born to Rock: The Relationship Between Music Preference, Birth Order, and Personality*
- P76. Fedders, Taylor** (Southeast) – *Does Propensity for Risk-Taking Predict Shoot-No Shoot Decisions in the Police Officers Dilemma Task*
- P77. Nolan, Izzy** (Southeast) – *Negative Parasocial Relationships and Anxiety*
- P78. Bays, Emma** (Southeast) – *Does Neuroticism Predict Shooting Errors in a Simulated Police-Shooting Task*
- P79. Tooker, Elleah** (South Bend) – *Attitudes Towards Morality*
- P80. Nelson-Bass, Christian** (Southeast) – *Color and Memory: Understanding factors in visual processing*
- P81. Ragsdale, Katelyn** (Southeast) – *The Art of Looking*

Oral Session A – Room A

9:15am – 10:15am

- O1. Brown, Alexis** (IUPUI) – *The Effects of Community Satisfaction on Trust in Government*
- O2. Willard, Simon** (Bloomington) – *The Poor Get Poorer... Or Do They?*
- O3. Johnson, Monique** (IUPUI) – *The Eldercare of African-Americans in the Nineteenth Century*
- O4. Egunyomi, Ayobami** (IUPUI) – *Economic Impacts of Mass Incarceration on African American Families*

Oral Session B – Room B

9:15 – 10:15am

- O5. Otun, Ayodamola** (IUPUI) – *Inflammatory Molecules and the Activation of the TRPV4 Channel in the Choroid Plexus Cells*
- O6. Lindsay, Nicole** (IUPUI) – *Effect of Tobacco Components on S.mutans and P.aeruginosa Biofilm Formation*
- O7. Thomas, Jared** (IUPUI) – *Skeletal Abnormalities Exhibit Sexual Dimorphism in Down Syndrome Mice*
- O8. Aqeel, Dania** (IUPUI) – *Kinesio Tape for Pain Reduction: More than a Placebo Effect?*

Oral Session C – Auditorium

11am – 12:00pm

- O9. Bunnell, Vickie** (Southeast) – *Is Mom and Dad's Perfectionism Killing True Love for the Next Generation?*
- O10. Roa Gonzalez, Manuela** (IUPUI) – *The Differential Influences of Hope and Optimism of Life Satisfaction and Perceived Stress*
- O11. Bieker, Jenna** (Southeast) – *Selfies and Perceived Narcissism*
- O12. Ramirez, Michelle** (IUPUI) – *Identifying Cultural Influences that Determine Depression in Latino Adolescents: Latino Immigrants in U.S. vs Latin Natives in Country of Origin*
- O13. Casper, Kassandra** (Southeast) – *Exercise Habits and Relationship Satisfaction*

Oral Session D – Room A

11am – 12:00pm

- O14. Harvey, Jesse** (Southeast) – *Source Memory and Anxiety*
- O15. Hasenour, Nicole** (Southeast) – *Commuter vs. Residential College Students: Student Involvement*
- O16. Alexander, Hope** (Southeast) – *The Impact of Interest Groups on the Polarization of the United States Congress.*
- O17. Clark, Neal** (Southeast) – *Examining the Relationships between Social Capital, Social Comparison, Social Capital Maintenance Behaviors, Emotional Intelligence in Facebook Users*
- O18. Coursin, Jillian** (Southeast) – *Understanding Alexithymia Within Cultural Constructs*

Oral Session E – Room B

11am – 12:00pm

- O19. **Bivol, Laurentia** (Northwest) – *Dido Elizabeth Belle*
- O20. **Khan, Humaira** (Northwest) – *Children in the Atlantic Slave Trade*
- O21. **Salisbury, Stephen** (South Bend) – *Why Won't You Stay: A Quantitative Sociological Analysis of Factors Influencing Retention at IU South Bend*
- O22. **Attebury, Mikael** (Southeast) – *Oil and Water: Creative Writing in the Writing Center*
- O23. **Kirchgessner, Aspen** (Southeast) – *The World and Writing Centers*

Oral Session F – Auditorium

1:20pm – 2:20pm

- O24. **Morris, Cameron** (IUPUI) – *Molecular Cascades and Potential Implications of the Spinophilin and SAPAP3 Interaction on Basal Ganglia Disorders*
- O25. **Kamanda, Patricia** (Bloomington) – *Studies of the Oncometabolite 2-Hydroxyglutarate*
- O26. **Hayden, Lori** (Southeast) – *Results of a short-term Bioblitz of the flora and fauna on Inyeug (Mystery Island), Vanuatu*
- O27. **Ajayi, Tolulope** (IUPUI) – *Modeling Pancreatic Cancer Tumor Microenvironment Using a Microfluidic Culture System*
- O28. **Kaur, Amandeep** (Northwest) *The Investigation of Me31B Protein in Germ Cell Formation*

Oral Session G – Room A

1:20pm – 2:20pm

- O29. **Buss, Adam** (Northwest) - *Construction of generalized integral formulas by means of Laplace transforms*
- O30. **Adebayo, John** (Bloomington) - *Neuronal Electrical output and Radiation Bombardment effects on Neuroplasticity*
- O31. **Floyd, Matthew** (Kokomo) - *Reusing and Understanding Software Libraries Using Semantic Techniques and Ontology Formalisms*
- O32. **Hill, Jacqueline** (IUPUI) - *Using Self-Determination Theory to Identify Gamification and Motivational Affordances in Serious Games*
- O33. **Phaire, David** (Southeast) - *Data Mining and Modeling of the Crime Statistics For The City Of Louisville Using Tableau*

Oral Session H – Room B

1:20pm – 2:20pm

- O34. **Ladapo, Mosopefoluwa** (IUPUI) - *The Effect of Music on Body Sway When Standing in a Moving Virtual Environment*
- O35. **Huber, Timothy** (Northwest) - *Supersymmetric Quantum Mechanics and Potentials With the Oscillator Spectrum*
- O36. **Miranda, Joselito** (Northwest) - *Progress toward the total synthesis of Aspernomine*
- O37. **Magner, Evin** (Southeast) - *Investigating the Possible Carnivorous Nature of Seaweed*
- O38. **Anokwute, Chiamara** (Northwest) - *Identification of regulatory sequence for the membrane-bound transcription factor SAUSA300_2640*

Oral Session I – Auditorium

2:30pm – 3:30pm

- O39. Pedigo, Emily** (IUPUC) - *A Sociological Examination of Suicide in The Bell Jar*
- O40. Hepburn, Alexandria** (South Bend) - *Attitudes Towards Feminism*
- O41. Kaparo, Deanna** (Southeast) - *Effects of Feedback on Perceived Performance, Affect, and Perseverance*
- O42. Simon, Joseph** (Southeast) - *Heroes Coming Home: A Veteran Oral History Project*
- O43. Franks, Tamara** (Southeast) - *Maintaining goals throughout a lifespan can create self-efficacy, well-being and life satisfaction*

Oral Session J – Room A

2:30pm – 3:30pm

- O44. Baker, Shane** (Southeast) - *Guerrilla Campaigns and Their Influence on the Population at Home and Abroad*
- O45. Knoy, Sarah** (Southeast) - *The relationship between mothers' and fathers' separation anxiety*
- O46. Clouse, Cassidy** (IU East) - *Motivating Self-Referenced Approach and Avoidance Movements with Emotional Images*
- O47. Griffin, Nicole** (Southeast) – *Patients' Satisfaction with Treatment for Symptoms Related to Depression and Anxiety: A Comparison of Provider Types*
- O48. Sow, Hadya** (IUPUI) – *Creating and Maintaining an Indiana "Lead & Healthy Homes" Student Health Corps: Assessing Best Practices, Addressing Barriers, and Advancing Professional Student Involvement in Childhood Lead Prevention*

Oral Session K – Room B

2:30pm – 3:30pm

- O49. Layman, Rachel** (Southeast) – *Grammar Workshop Implementation*
- O50. Moore, Matthew** (Southeast) – *Witchcraft in Puritan Salem and its European Origin*
- O52. Rodriguez, Joseph** (IUPUI) – *Sox2 and Folic Acid Effects in a Zebrafish Fetal Alcohol Spectrum Disorder Model*
- O53. Dittmer, Brianna** (Northwest) - *The Loss of Innocence in Le Bateau Ivre*