2017
Scholar
Presentation
Schedule

July 10 (Monday)

Oral Presentations

1:30 PM - 2:45 PM

1:30 PM — Can You Outsmart the ImPACT Test? A Study of Sandbagging on Baseline Concussion Assessments

Courtney Raab Health Science  
Faculty Mentor: Dr. Amy Peak

1:45 PM — Changes in Activity Patterns in Midwestern Mammals in a Campus Environment

Jacob Reeves Biology  
Faculty Mentor: Dr. Julia Angstmann

2:00 PM — Gesture: A Tool to Enhance Recollection and Description of Auditory and Visual Stimuli

Kate Richards Communication Sciences and Disorders  
Faculty Mentor: Dr. Tonya Bergeson-Dana

2:15 PM — A Comparative Study of Western American and Native American Galleries in the Eiteljorg Museum

Megan True Art + Design/English  
Faculty Mentor: Professor Steve Nyktas

3:00 PM - 4:15 PM

3:00 PM — Chiral Discrimination by Amino Acid based Deep Eutectic Solvents

Cameron Wright Chemistry  
Faculty Mentor: Dr. Todd Hopkins

3:15 PM — Perfect Difference Covers

Rachel Burke Mathematics/Computer Science  
Faculty Mentors: Dr. Ankur Gupta and Dr. Jonathan Webster

3:30 PM — Implementing HTTP/2 in Plan 9 from Bell Labs

Adam Kessler Computer Science  
Faculty Mentor: Dr. Ankur Gupta

3:45 PM — Properties of the RR Lyrae Variable Stars in M14

Sedrick Weinschenk Astronomy/Astrophysics and Physics  
Faculty Mentor: Dr. Brian Murphy
1. Assessing the Relationship Between Egg Size and Ring Canal Size in *Drosophila melanogaster*
   **Azhar Dalal**  Biology  
   Faculty Mentor: **Dr. Lindsay Lewellyn**

2. Determining the Role of the Adaptor Protein, Dreadlocks, in Regulation of the Germline Ring Canals in the Developing Fruit Fly
   **Kara Stark**  Biology  
   Faculty Mentor: **Dr. Lindsay Lewellyn**

3. Characterization of Flame Retardant Chemicals in Soils from Urban Gardens
   **Jordan Finch**  Chemistry  
   Faculty Mentor: **Dr. Elizabeth Davis**

4. Investigation of SYD-2 as a Neuronal Substrate of the Anaphase-Promoting Complex Enzyme in *C. elegans*
   **Taylor Prechtel**  Biology  
   Faculty Mentor: **Dr. Jennifer Kowalski**

5. Localization of the SUMO Enzyme UBC-9 in *C. elegans* Neurons
   **Elly Mawi**  Biology  
   Faculty Mentor: **Dr. Jennifer Kowalski**

6. General Characterization of Telomerase Activity in *Selaginella moellendorffii*
   **Abdul Saltagi**  Biology  
   Faculty Mentor: **Dr. Nathanael Hauck**

7. Total Antioxidant Level of Individual Foods vs. Combinations of Foods and the Effect on Apoptotic Induction of HeLa Cells
   **Natalie Van Ochten**  Biology  
   Faculty Mentor: **Dr. Phil Villani**

8. Temperature Stability in Various Clinical Strains of Respiratory Syncytial Virus (RSV) with Added F Protein
   **Darby DeFord**  Biology  
   Faculty Mentor: **Dr. Christopher Stobart**

9. Generalization of Dirac’s Degree Conditions for Claw-Free Graphs
   **Sarah Dale**  Computer Science  
   Faculty Mentor: **Dr. Zhihong Chen**

10. Matched vs. Mismatched Gender and Course Subject Effects on Learning
    **Amanda Wallace**  Psychology  
    Faculty Mentor: **Dr. J. Neil Bohannon III**

11. Efficient Mid-Range Wireless Energy Transfer with Multiple Receivers
    **John Harbaugh**  Computer Engineering/Physics  
    Faculty Mentor: **Dr. Gonzolo Ordonez**

    **Joshua Murdock**  Pharmacy  
    Faculty Mentor: **Dr. David Reeves**

13. The Effect of Metal Cations on LipN from *Mycobacterium ulcerans*
    **Emily Pool**  Chemistry/Spanish  
    Faculty Mentor: **Dr. Geoffrey Hoops**
1:30 PM — Indie Classical and the Postmodern Marketplace

**Natalie Farrell** *Music/English*  
Faculty Mentor: **Dr. Brynnar Swenson**

1:45 PM — The Staying Power of Bebop Trumpet Playing

**Kent Hickey** *Music Performance*  
Faculty Mentor: **Dr. Matthew Pivec**

2:00 PM — “3”

**Earl Townsend** *English*  
Faculty Mentor: **Professor Alessandra Lynch**

2:15 PM — An Exploration of Motivic Composition Processes Since 1900: A Compendium and Catalog

**Jackson Holler** *Music Composition*  
Faculty Mentor: **Dr. Frank Felice**

2:30 PM — American Gothic and Literary Naturalism in Lovecraft

**Brett DeWitt** *Psychology/English*  
Faculty Mentor: **Dr. Brynnar Swenson**

3:00 PM — Beyond the Letters: Collecting the Stories of People in the LGBTQ+ Community

**Basil Strock** *Music*  
Faculty Mentor: **Professor Scott Bridge**

3:15 PM — Fourth Graders and Philosophy (The Movie)

**Kasey Kirchner** *English*  
Faculty Mentor: **Professor Dan Barden**

3:30 PM — The Art of Ancient Greek and Roman Theatre: Integrating Masks into the Classroom

**Kylene Warne** *Theatre/Elementary Education*  
Faculty Mentors: **Dr. Christopher Bungard** and **Dr. Wendy Meaden**

3:45 PM — Postcolonial and Ecocritical Readings of *The People in the Trees*

**Alexis Schmidt** *English*  
Faculty Mentor: **Dr. Ania Spyra**