



Poster Presentation Sessions

McKelvey Campus Center

Witherspoon Rooms

April 22, 2015



Co-Sponsored by the Undergraduate Research Advisory Council (URAC)

URAC Spring 2015 Poster Presentations
SESSION A ~ 8:30 a.m.—9:30 a.m.

- A1 Michael Bocchine** (Physics): A Simple, Inexpensive Photoelastic Modulator. (Advisor: Craig Caylor, Physics)
- A2 Chelsey Isler** (Criminal Justice Studies): Family Violence During Childhood and Prediction of Intimate Partner Violence in Adulthood. (Advisors: (Kristin Park, Sociology Kristenne Robison, Sociology & Criminal Justice, Rena Zito, Sociology, Shannon Smithey, Political Science).
- A3 Cody Fagan** (Chemistry): The Effect of Basis Set Choice on the Accuracy of Small Molecule Vibrational Frequencies (Advisors: Larry Miller and Peter Smith, Chemistry)
- A4 Colin Robertson** (Biology): Localization of 5nucleotidase in gills of largemouth bass (*Micropterus salmoides*). (Advisor: John Robertson, Biology)
- A5 Alicia Nuzzo** (Psychology): Perceived Acute Stress among Collegiate Athletes during Performance and Effective Coping Strategies. (Advisor: Sandra Webster, Psychology)
- A6 Mara Sawdy** (Environmental Science): Hydraulic Fracturing: The Potential Risks to Air Quality and Future Research Directions for the ALLARM Program. (Advisor: Helen Boylan, Chemistry)
- A7 Brittany Palmer** (Biology): Effects of dopamine on short term memory in the harvester ant, *Pogonomyrmex barbarus*. (Advisor: Katherine Robertson, Biology)
- A8 Sarah Rigby** (Sociology): Understanding Online Dating: Stigma and Deception Among Online Daters. (Advisor: Kristin Park, Sociology)
- A9 Haley Turner** (Psychology): The Effect of Different Social Interactions on Ethanol Consumption in female Long-Evans Rats. (Advisor: Deanne Buffalari, Psychology).
- A10 Leah Domhoff** (Biology): Mapping trajectories of axons originating in the mushroom bodies of harvester ants (*Pogonomyrmex* sp.) by injection of fluorescent dextrans. (Advisor: Katherine Robertson, Biology)
- A11 Taylor Nichol** (Broadcast & Digital Communications): A Wound That Does Not Heal. (Advisor: Andrew Borts, LIS)
- A12 Raechel Pusateri** (English): One Battle in the War: The Struggle for Military Integration during WWII. (Advisor: Angela Lahr, History)
- A13 Sarah Clark** (Biology): The effect of rotenone on neuromast density in blind cave fish (*Astyanax mexicanus*). (Advisor: John Robertson, Biology).
- A14 Lauren McElhaney** (Public Relations): A Thematic Analysis of How the Terror Attack Against Charlie Hebdo Was Framed By the United States and France. (Advisor: Brittany Rowe-Cernevicius, Public Relations)
- A15 Lauren Paoletta** (Psych-Human Resources): The Relationship Between Envy and Jealousy in the Workplace. (Advisor: Stephanie Richman, Psychology).
- A16 Melissa Bischak** (Molecular Biology): The Effect of 5-Fluorouracil in combination with Iri notecan and Topotecan on the localization of Topoisomerase I and Crm1 in HeLa cells.(Advisor: Karen Resendes, Biology)
- A17 Charles Sayre** (Criminal Justice Studies): How do male and female officers perceive their sex to influence their job as police officers? (Advisors: Jamie Chapman and Rena Zito, Sociology)
- A18 Alec Fisanick** (History): American Model United Nations 2014 Chicago. (Advisor: Michael E. Aleprete, Political Science)
- A19 Caroline Kostishack** (Biochemistry): The effects of bisphenol A on *Tenebrio molitor* female mate choice. (Advisor: Ann Throckmorton, Biology)

URAC Spring 2015- Poster Presentations
SESSION B ~ 10:00 a.m.—11:00 a.m.

- B1** **Trevor Arrigoni** (Mathematics): Roulette Curves with a Three-Dimensional Twist. (Advisor: Natacha Fontes-Merz, Mathematics)
- B2** **Jared Bowen** (Biochemistry): 3D Modeling of Essential Amino Acids. (Advisor: Sarah Kennedy, Chemistry)
- B3** **Andrew Miller** (Public Relations): Our Food. Your Questions. What Makes a Total Transparency Campaign Successful? (Advisor: Brittany Rowe-Cernevicius, Public Relations)
- B4** **David Starr** (Molecular Biology): Effects of butylated hydroxytoluene on zebrafish (Advisor: Marosh Furimsky, Biology)
- B5** **Abbigail Rinard** (Psychology): The Relationship Between the Change in Musical Tempo and the Recall of Emotional. (Advisor: Sandra Webster, Psychology)
- B6** **Christian Na** (Exploratory): Westminster Students' Understanding of Sustainability Issues. (Advisor: Evann Garrison, English and Public Relations)
- B7** **Amanda Sloan** (Broadcast & Digital Communications): Karsyn's Karnival. (Advisor: Bradley Weaver, Broadcast & Digital Communications)
- B8** **Rachael Huff** (Computer Science): Alternate Solution to Instant-Insanity. (Advisor: Carolyn Cuff, Mathematics)
- B9** **Dylan Thomas** (Physics): That's the Way the Ball Bounces. (Advisor: Craig Caylor, Physics)
- B10** **Sarah Gabrick** (English): Managing Snakes, Butter beans, and the Discovery of Electricity. (Advisor: Terry Jachimiak, Theatre)
- B11** **Isaiah Morgenstern** (Physics): The Polarization of Skylight. (Advisor: Craig Caylor, Physics)
- B12** **Nicholas Caiazza** (Mathematics): Mathematicians Study Minimal Surface Area in the World of Bubbles. (Advisor: Natacha C. Fontes-Merz, Mathematics)
- B13** **Louis Friello** (Psychology): The Impact of Knowledge, Concealability, and Perceived Dangerousness on Mental Illness Stigma. (Advisor: Stephanie Richman, Psychology)
- B14** **Lauren Barley** (Public Relations): The Effectiveness of the New Advertising Tactics Found in the Always' "Like a Girl" Campaign. (Advisor: Brittany Rowe-Cernevicius, Public Relations)
- B15** **Brandon Wilkinson** (Criminal Justice Studies): Perceptions of Neutralized Crime. (Advisors: Kristin Park and Jamie Chapman, Sociology)
- B16** **Tyler Lucas** (Physics): Electromagnetic Induction and Dropping Magnets through pipes. (Advisor: Craig Caylor, Physics)
- B17** **Rachel Avey** (Indiv Interdisciplinary, BA): Social-Emotional Development in the Preschool Years. (Advisor: Alison DuBois, Education)
- B18** **Alexander Bennett** (Neuroscience): The Effects of Temporal Focus on Three Dimensions of Emotion. (Advisor: Sandra Webster, Psychology)
- B19** **Olivia Sniezek** (Molecular Biology): The $3n+1$ Conjecture. (Advisor: Jim Anthony, Mathematics)

URAC Spring 2015 - Poster Presentations
SESSION C ~ 12:30 p.m. —1:30 p.m.

- C1** **Kyleigh Haynes** (Communication Studies): Social Media Prospecting in Personal Lines Insurance Sales: Does it Pay Off? (Advisor: Colleen Merrick, Communication Studies)
- C2** **Jamie Linderman** (Environmental Science): Lawrence and Mercer ALLARM Program. (Advisor: Helen Boylan, Chemistry)
- C3** **Jacob Pletz** (Neuroscience): The Effects of Methylphenidate and Ethanol on Impulsivity in a Rat Model of ADHD (Advisor: Deanne Buffalari, Psychology)
- C4** **Melissa Blose** (PreK-4 ECE/PreK-8 Spec Ed): I-THINK Problem Solving Project. (Advisor: Dr. Sararose Lynch, Education)
- C5** **Carl Greene** (Broadcast & Digital Communications): This is... My Cardboard Spaceship Adventure. (Advisor: Bradley Weaver, Broadcast & Digital Communications)
- C6** **Megan Romocean** (Public Relations): The Study of the Evolution and Success of Anti-Smoking Campaigns. (Advisor: Brittany Rowe-Cernevicius, Public Relations)
- C7** **Taylor Elias** (Biochemistry): Analysis of the Effects of Microwave Exposure on Glucose Oxidase from *Aspergillus Niger*. (Advisor: Helen Boylan, Chemistry)
- C8** **Michael Annarella** (Public Relations): How the Steroid Era has Impacted Crisis Communication (Advisor: Brittany Rowe-Cernevicius, Public Relations)
- C9** **Jaime Schoyer** (Psychology): The Effect of Emotion-Focus of Attention on Complex Decision Making. (Advisor: Sandra Webster, Psychology)
- C10** **Vincent Nerti** (Broadcast & Digital Communications): 50 Years Later. (Advisor: Bradley Weaver, Broadcast & Digital Communications)
- C11** **Michelle Luczynski** (Theatre): Into the Woods: Lighting Design. (Advisor: Terry Jachimiak, Theatre)
- C12** **Cody Postupac** (Physics): Finding the Speed of Light From an Electrical Circuit. (Advisor: Craig Caylor, Physics)
- C13** **Alexandria Quigley** (History): Un-American: Arthur Miller's Influence on the House on Un-American Activities Committee during the Second Red Scare. (Advisor: Angela Lahr, History)
- C14** **Brittany Majors** (Chemistry): Creating a Chemometric Model in an Undergraduate Setting. (Advisor: Helen Boylan, Chemistry)
- C15** **Annette McHaddon** (Psychology): Therapist and Client Ratings of Therapeutic Alliance as a Predictor of Deterioration. (Advisor: Kirk Lunnen, Psychology)
- C16** **Sarah Waszyn** (Neuroscience): An Extension of Simulated Attraction and Its Effect on Attractiveness Ratings. (Advisor: Sandra Webster, Psychology)
- C17** **Martika Jones** (History): Defying the Rules of American Journalism: The Gay and Lesbian Press in the United States, 1950-1990. (Advisor: Angela Lahr, History)
- C18** **Kierstin Barker** (Psychology): Effects of Musical Training on Verbal Working Memory. (Advisor: Sandra Webster, Psychology)
- C19** **Madison Kincade** (Biology): Investigation of visual and spatial memory in harvester (*Pogonomyrmex* sp.) and carpenter (*Camponotus* sp.) ants using a classical conditioning paradigm. (Advisor: Katherine Robertson, Biology)

URAC Spring 2015- Poster Presentations
SESSION D ~ 2:00 —3:00 p.m.

- D1** **Joshua Scott** (Communication Studies): Into the Woods Scenic Design (Advisor: Terry Jachimiak, Theatre)
- D2** **Kelly Higby** (Molecular Biology): 5-Fluorouracil, its effect on nuclear transport, and its efficiency in inducing apoptosis. (Advisor: Karen Resendes, Biology)
- D3** **Brendan Messner** (Biochemistry): Analysis of BVO in soft drinks using Gravimetric Analysis (Advisor: Helen Boylan, Chemistry)
- D4** **Jason Avery** (Public Relations): ALS Ice Bucket Challenge and Viral Success. (Advisor: Brittany Rowe-Cernevicius, Public Relations)
- D5** **Valerie DeSilva** (Molecular Biology): Suppression of Biofilm Formation in *Staphylococcus aureus* Using siHybrid Targeting of the Staphylococcal Accessory Regulator Protein (sarA). (Advisor: Joshua Corrette-Bennett, Biology)
- D6** **Moriah Agnew** (Biology): Effects of common analgesics on the growth and development of zebrafish, *Danio rerio* (Advisor: Marosh Furimsky, Biology)
- D7** **Emilee Atwell** (Sociology): Performance of Social Roles: Interactions between and among Help-Seeking Clients and Help-Giving Volunteers in a Food Pantry and Soup Kitchen Setting. (Advisor: Jamie Chapman, Sociology)
- D8** **Alicia Bates** (History): Whether you or I were right Posterity must judge: Politics in the Retirement Correspondence of John Adams and Thomas Jefferson. (Advisor: Angela Lahr, History)
- D9** **Taran Sifontes-Lavine** (Broadcast & Digital Communications): Moser: The 80yr Old Kicker. (Advisor: Gary Swanson, Communication Studies, Theatre, and Art)
- D10** **Mara Sawdy** (Environmental Science): Fair Trade and the Environment: Looking Towards a Sustainable Future (Advisor: Joseph Balczon, Biology)
- D11** **Sarah Rea** (Psychology): Reciprocated Friendships: Longitudinal Effects on Emotional Competence. (Advisor: Mandy Medvin, Psychology)
- D12** **Ashley Smith** (Sociology): “Insider” and “Outsider” Perceptions and Treatment of Migrant Workers in Northwestern Pennsylvania. (Advisor: Kristin Park, Sociology)
- D13** **Connor Young** (Physics): Thermal Diffusion. (Advisor: Craig Caylor, Physics)
- D14** **Elizabeth Waddell** (Chemistry): Developing a High School Lab Experience to Analyze Environmental Effects of Ozone. (Advisor: Helen Boylan, Chemistry)
- D15** **Tiffany Jackson** (Broadcast & Digital Communications): A Family on the Rocks. (Advisor: Bradley Weaver, Broadcast & Digital Communications)
- D16** **Rachel Simko** (Physics): Carrot Cantilevers. (Advisor: Craig Caylor, Physics)
- D17** **Samantha Shick** (Biology): Effects of microclimate on Eastern bluebird nest-site selection, incubation behavior, and reproductive success. (Advisor: Kerri Cornell Duerr, Biology)
- D18** **Shannon Miller** (Biology): The effect of glyphosate-based herbicide on nervous system development in zebrafish embryos. (Advisor: Marosh Furimsky, Biology)
- D19** **Gino Colella** (Biology): Neuromast density and eye degeneration in developing blind cave tetra, *Astyanax mexicanus*. (Advisor: John Robertson, Biology)

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Spring 2015 Poster Presentations

McKelvey Campus Center

Witherspoon Rooms

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