

2013 ULM Student Research Symposium PLATFORM (ORAL) PRESENTATIONS

College of Arts and Sciences

Department of Biology Graduate Student Platform (Oral) Presentations

10:00-11:00 a.m., Library Room 3D

- 10:00-10:15 a.m. Environmental Factors Affecting Shell Shape Plasticity in the Land Snail *Mesodon thyroideus* (Gastropoda: Polygyridae).
J. M. Styga and R. L. Minton.
- 10:15-10:30 a.m. Ecological Analysis of a Bottomland Hardwood Forest Community Undergoing Secondary Succession.
Matthew Reid and Joydeep Bhattacharjee.
- 10:30-10:45 a.m. A Management Approach to Nocturnal Habitat of the American Woodcock (*Scolopax minor*) in South-central Louisiana.
James C. Hayes, Jeffrey Duguay, and Kim Marie Tolson.
- 10:45-11:00 a.m. Characterization of Novel Agrobacteriophage JP1L.
Brittany N. Miller, Cortez Davis, Jonathan Putnam, and Allison D.M. Wiedemeier.

PLATFORM (ORAL) PRESENTATIONS, contd

Liberal Arts Platform (Oral) Presentations

12:15 pm – 3:30 pm, ROOM 3C, ULM Library

- 12:15 Katherine Roy, graduate, English. “The High Price of Dreaming: The Performance of Masculinity in August Wilson’s *Fences* and Suzan-Lori Parks’ *Topdog/Underdog*.”
Mentor, Dr. Janet Haedicke
- 12:30 Danielle Jones, undergraduate, Pharmacy. “The Influence of Catalunya on the Life and Works of Antoni Gaudi.”
Mentor, Dr. Ruth Smith
- 12:45 Melinda Johnson, undergraduate, English. “English in Korean Popular Culture.”
Mentor, Dr. Rebecca Stephenson
- 1:00 Stephanie Baer, graduate, English. “David Lurie’s Failure to Complete the Redemptive Process in J. M. Coetzee’s *Disgrace*.”
Mentor, Dr. Jana Giles
- 1:15 Hannah Clifton, graduate, English. “Sympathy for the Devil: Shylock’s Plight in *The Merchant of Venice*.”
Mentor, Dr. Julia Guernsey-Pitchford
- 1:30 Adam Breitenbach, graduate, English. “*The Monkey Wrench* Gang and Environmental Radicalism.”
Mentor, Dr. Jana Giles

1:45-2:00 break

- 2:00 Catherine Olson, undergraduate, English. “Charlemagne: The Myth and History.”
Mentors, Dr. Rebecca Stephenson, Dr. Chris Michaelides, Dr. Ruth Smith
- 2:15 Julie Landry, graduate, English. “The Reality of Online Relationships.”
Mentor, Dr. Mary Adams
- 2:30 Justina Salassi, Graduate, English. “Hipster Kitsch: Toward and Appreciation of the Other.”
Mentor, Dr. Mary Adams
- 2:45 Serena Tenison, graduate, English. “Challenges of Representation in Art Spiegelman’s *Maus*.”
Mentor, Dr. Helen Lock
- 3:00 Valerie Upshaw, graduate, English. “Understanding Nature by Experiencing Its Violence: A Look at the Eco-Relationships in Ghosh’s *The Hungry Tide*.”
Mentor Dr. Jana Giles
- 3:15 Jaleesa Harris, graduate, English. “Exploiting or Exploring? The *Real* Virgin Diaries.”
Mentor, Dr. Mary Adams

College of Education and Human Development

Platform (Oral) Presentations

Strauss Hall 207, 10:30 a.m. until 11:50 a.m.

- 10:30-10:50 a.m. David Nordman, “Long Term Effects of the Freshman Academy”
Department of Curriculum, Instruction and Leadership
Mentoring Faculty: Dr. Timothy Ford
- 10:50-11:10 a.m. Tina Allen, “An Examination of the Perceptions of Cooperating Teachers and Teacher Candidates at a Northern Louisiana University Regarding the Initial Implementation of a Co-teaching Model with Student Teaching”
Department of Curriculum, Instruction & Leadership
Mentoring Faculty: Dr. Dorothy Schween
- 11:10-11:30 a.m. Christopher Myers, “The Calculation of Torque Generated by a Swimmer’s Arm During the Free-Style Swim Stroke” Christopher Myers, Lisa Colvin, John Anderson, Ken Alford, David Kean, and William McCown
Department of Kinesiology
Mentoring Faculty: Dr. Lisa Colvin
- 11:30-11:50 a.m. Erika Caramillo, “The Effects of Brief Training on Lie Detection Accuracy”
Erika Caramillo, Jack Palmer.
Department of Behavioral Sciences
Mentoring Faculty: Dr. Jack Palmer

PLATFORM (ORAL) PRESENTATIONS, contd

College of Pharmacy

Platform (Oral) Presentations

2:30 p.m. to 3:45 p.m., Media Room, 6th Floor, ULM Library

- 2:30-2:45pm:** Hisham Qosa, Jeffrey Keller, Amal Kaddoumi. *“Development of high throughput screening model to investigate the effect of drugs on the blood brain barrier permeability.”*
- 2:45-3:00pm:** Abhita Malaviya and Paul W. Sylvester. *“Antiproliferative effects of combined treatment of γ -tocotrienol with PPAR γ agonists or antagonists mediated through PPAR γ -independent mechanisms in breast cancer cells”.*
- 3:00-3:15pm:** Priyanka Prathipati, Syed Quadri, Debra W.Jackson and Keith E.Jackson. *“NITRIC OXIDE FROM L-ARGININE TREATMENT PLAYS A VITAL ROLE IN ALLEVIATING CORONARY ENDOTHELIAL DYSFUNCTION IN OBESE ZUCKER RATS.”*
- 3:15-3:30pm:** Pratistha Tamrakar and Karen P. Briski. *Neuroprotective Action of Estradiol in Maintaining Hindbrain A2 Noradrenergic Metabolic Sensory Neuron Energy Status During Insulin-induced Hypoglycemia.*
- 3:30-3:45pm:** Ameya S Gokhale and Seetharama Satyanarayanajois. *“Targeting protein-protein interactions (PPI's) for autoimmune disorder Rheumatoid Arthritis using peptide derived from CD2 epitope.”*

2013 ULM Student Research Symposium

POSTER PRESENTATIONS

College of Arts and Sciences

Biology Undergraduate Student Poster Presentations

1. Megan Richters¹, Dustin Lovas¹, Amanda Scott¹, Jeremy Harmson¹, Christopher Gissendanner², Allison Wiedemeier¹, and Ann Findley¹. "Sequence Homology at Repressor Binding Sites Results in Homoimmunity of Related Mycobacteriophages;" Department of Biology¹ and Department of Basic Pharmaceutical Sciences².
2. Stephen Jackson¹, Erin Rizzo¹, Amanda Scott¹, Swapan Bhuiyan¹, Brittany Miller¹, Jeremy Harmson¹, Christopher Gissendanner², Paul Wiedemeier³, Allison Wiedemeier¹, and Ann Findley¹. "Cluster Identification and Functional Annotation of Mycobacteriophage Trike;" Department of Biology, Department of Basic Pharmaceutical Sciences, and Department of Computer Sciences.
3. Amanda Scott¹, 2012 ULM-HHMI Phage Hunters Class¹, Brittany Miller¹, Jeremy Harmson¹, Christopher Gissendanner², Allison Wiedemeier¹, and Ann Findley¹. "A Genomic Comparison of A4 Cluster Mycobacteriophages Isolated from Soil Samples in Northeast Louisiana - Mycobacteriophages ICleared and Medusa;" Department of Biology¹ and Department of Basic Pharmaceutical Sciences².
4. Amit Rajkarnikar, Matthew Herron, and Joydeep Bhattacharjee. "Characterizing Pit-Mound Microtopography in Bottomland Hardwood Forests;" Department of Biology.
5. Stephanie R. Allen and Joydeep Bhattacharjee. "Dispersal and Distribution Patterns of Trees In A Bottomland Hardwood Forest;" Department of Biology.
6. Jenae' Clay and Joydeep Bhattacharjee. "Effect of Canopy Mediated Micro-climatic Variations on Plant Growth: The Nurse-Plant Hypothesis;" Department of Biology.
7. Cortez S. Davis, Brittany N. Miller, and Allison M.D. Wiedemeier. "The Isolation and Characterization of a Novel *Agrobacterium tumefaciens* 15955 Bacteriophage;" Department of Biology.

COLLEGE OF ARTS AND SCIENCES POSTER PRESENTATIONS, contd

Atmospheric Science, Earth Science, and Physics Undergraduate Student Poster Presentations

8. Alexandra Babin and Larry Hopper. "Variation Between Factors Influencing Tornadogenesis of EF0, EF1, And EF2 Tornadoes For Landfalling Tropical Cyclones Fay, Gustav, Ike, Lee, And Isaac;" Department of Geosciences.
9. Anthony Viramontez, Adam Gildwarg, Larry Hopper. "Investigating Instrumental and Environmental Contributions to Microscale Rain Gauge Variability;" Department of Atmospheric Science, Earth Science, and Physics.

Chemistry Undergraduate Student Poster Presentations

10. Dylan Leblanc and Emad El-Giar. "The Use Of Cyclic Voltammetry To Compare The Behavior Of Ultramicroelectrodes vs. Conventional Electrodes," Department of Chemistry.
11. Catherine Schilling, Alana Klingman, Elee Barber, Maroutcha Mouawad, Badwi Mouawad, and Emad El-Giar. "Cyclic Voltammetric Determination Of Acetaminophen In A Children's Pain Relief Elixir," Department of Chemistry.

Mathematics Undergraduate Student Poster Presentations

12. Jesse Lee Pope, Joydeep Bhattacharjee, Youssef Dib, Mariette Maroun. "Persistence of Water Hyacinths in Northeast Louisiana;" Department of Mathematics.

Department of Biology Graduate Student Poster Presentations

13. Evolution of Shell Shape in the Land Snail Family Polygyridae.
R. M. Amundson, K. E. Perez, and R. L. Minton
14. A Preliminary Survey of Freshwater Snail Shell Microbes from Bayou Bartholomew, Morehouse, Parish, Louisiana. **C. Charles Creech**, Debra Jackson, R. L. Minton
15. Liver Copper Levels in Louisiana White-tailed Deer.
Rachael Elkharrash, James M. LaCour, and Kim MarieTolson
16. Aquatic Herpetofuana of Bottomland Hardwood Forests on Boeuf Wildlife Management Area in Northeastern Louisiana. **Clayton Faidley** and John Carr

POSTER PRESENTATIONS, contd

College of Business

College of Business Graduate Student (MBA) Poster Presentation

17. **Ms. Anshika Malaviya, A cost-benefit analysis of DNA sequencing and restriction endonuclease DNA digestion**
MBA Program; Adviser: Dr. Paul D. Wiedemeier

College of Business Undergraduate Student (Business) Poster Presentation

18. **Mr. Charles Parker, Personal and Corporate Tax Avoidance Strategies: Legal but Ethical?**
Department of Finance; Adviser: Dr. Arturo Rodriguez

POSTER PRESENTATIONS, contd

College of Education and Human Development

Curriculum, Teaching, and Leadership Graduate Poster Presentations

19. **Perceptions of Eighth Grade Students on Transition from Preadolescence to Adolescence in a Selected Middle School.**
Presenting Author: Brian Bush, Mentoring Faculty: Dr. Timothy Ford
Department: Curriculum, Teaching, and Leadership
20. **What Middle-Class Fathers Do at Home with Their Children and Its Relationship to the Self-Esteem of Their Adolescent Children**
Presenting Author: Ryan Jordan, Mentoring Faculty: Dr. Timothy Ford
Department of Curriculum, Instruction and Leadership

Psychology Graduate Poster Presentations

21. **The Moral Foundations of Human Altruistic Behavior.** Rosalie Ting, Jack Palmer, Brian Bunker and Kilian Garvey, Department of Behavioral Sciences
Presenting Author: Rosalie Ting; Mentoring Faculty: Dr. Jack Palmer
22. **Reexamining the Effects of Context on Reasoning in Wason Selection Tasks.**
Department of Behavioral Sciences
Presenting Author: Erika Caramillo; Mentoring Faculty: Dr. Jack Palmer
23. **The Adaptive Basis of Human Altruistic Behavior**
Logan Hale, Jack Palmer and Kilian Garvey, Department of Behavioral Sciences
Presenting Author: Logan T Hale; Mentoring Faculty: Dr. Jack Palmer
24. **Better safe than sorry: An adaptionist exploration of the Linda Problem in high vs low parasite prevalent regions.**
Monica Winkel and Kilian Garvey, Department of Behavioral Sciences
Presenting Author: Monica Winkel; Mentoring Faculty: Kilian Garvey

**COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT
POSTER PRESENTATIONS, contd**

Psychology Undergraduate Poster Presentations

- 25. Parasite stress predicts firearm homicides: A test of the behavioral immune system.**
Emily Nobel and Kilian Garvey
Presenting Author: Emily Noble; Mentoring Faculty: Kilian Garvey

- 26. Medical Mistrust and Belief in a Just World**
Jameson Alston and Kilian Garvey, Department of Behavioral Sciences
Presenting Author: Jameson Alston; Mentoring Faculty: Kilian Garvey

- 27. Parasite Stress and Cultural Values: A Behavioral Immune System analysis Political and Religious Beliefs.** Kristin Johnson and Kilian. Garvey, Department of Behavioral Sciences
Presenting Author: Kristin Johnson; Mentoring Faculty: Kilian Garvey

- 28. The Footbridge Dilemma and the Behavioral Immune System: Deontological and Utilitarian Reasoning in Regions of High and Low Parasite Stress.**
Christian McComack and Kilian Garvey, Department of Behavioral Sciences.
Presenting Author: Christian McComack; Mentoring Faculty: Kilian Garvey

POSTER PRESENTATIONS, contd

College of Health Sciences

29. *Predictors of Mental Flexibility in a Sample of Elder Community Residents*

Authors: **Janease Traylor**, Karen Kopera-Frye, Sandra Dillon, Jeffrey Keller and Scott Lepley

Mentor: Karen Kopera-Frye; Department: Gerontology

30. *Surveying Louisiana Psychological Association Members and Students for Membership Improvement*

Authors: **Sandra Dillon**, Karen Kopera-Frye, & Janease Traylor

Mentor: Karen Kopera-Frye; Department: Gerontology

POSTER PRESENTATIONS, contd

College of Pharmacy

Graduate Student Poster Presentations

31. Baher A. Ibrahim and Karen P. Briski. *“Caudal hindbrain glucose deprivation impairs the positive feedback effect of estrogen on LH secretion through noradrenergic A2 and hypothalamic GnRH neurons connectivity.”*
32. Sridhar Jaligama, Vijay M. Kale, Mitchell S. Wilbanks, Edward J. Perkins and Sharon A. Meyer. *“BONE MARROW INFLAMMATION PRECEDES HEXAHYDRO-1-NITROSO-3, 5-DINITRO-1, 3, 5-TRIAZINE (MNX) INDUCED DELAYED MYELOSUPPRESSION IN RATS.”*
33. Rami Al Suliman, Khalid A. El Sayed, Anthony J. Bednar, and Sharon A. Meyer. *“Comparison of MNX (Hexahydro-1- Nitroso-3, 5-Dinitro-1, 3, 5-Triazine) with RDX (Hexahydro-1,3,5-Trinitro-1,3,5-Triazine) Metabolism by Rat Liver Microsomal and S9 Fractions.”*
34. Roshan V. Tiwari, Parash Parajuli and Paul W. Sylvester. *“Gamma-tocotrienol induces autophagy in breast cancer cell lines”*
35. Saeed Alqahtani, Alaadin Alayoubi, Sami Nazzal, Paul W. Sylvester, Amal Kaddoumi. *“Nonlinear Absorption Kinetics of Self-Emulsifying Drug Delivery Systems (SEDDS) Containing Tocotrienols as Lipophilic Molecules: In Vivo and In Vitro Studies.”*
36. Shanthi Kanthala, Sashikanth Banappagari, Ameya Gokhale, Yong-Yu Liu, Seetharama D. Satyanarayanajois. *“DESIGN OF CYCLIC AND D-AMINO ACID CONTAINING PEPTIDOMIMETICS FOR INHIBITION OF PROTEIN-PROTEIN INTERACTIONS OF EGFRs”*
37. Suryatheja Ananthula, Parash Parajuli, Mohamed Akl, Fathy Behery, Alaadin Ayoubi, Khalid El Sayed, Sami Nazzal and Paul W. Sylvester. *“Oxazine Derivatives of γ -Tocotrienol Display Potent Anticancer Effects In Vivo.”*
38. Brandon Praslicka and Chris R. Gissendanner. *“The NR4A nuclear receptor NHR-6 plays a key role in G1/S cell cycle progression during spermatheca cell proliferation.”*
39. Alaadin Alayoubi, Saeed Alqahtani, Asma El-Zailik, Amal Kaddoumi, Paul W. Sylvester, and Sami Nazzal. *“Tocotrienol nanoemulsions stabilized with DSPE-PEG 2000 show similar activity but longer blood circulation time compared to poloxamer stabilized nanoemulsions.”*

Pharmacy Professional (Pharm.D.) Program/ Undergraduate Poster Presentations

40. Brian C. Primeaux, Saeed Alqahtani, Paul Sylvester Amal Kaddoumi. *“Effect of Orlistat on in vitro uptake of γ -tocotrienol.”*
41. Jessica Cimino, Meghan Aymond, Hisham Qosa, Loqman Mohamed, Amal Kaddoumi. *“Alzheimer's Disease: Understanding the Basics.”*