

2012 ULM Student Research Symposium

POSTER PRESENTATIONS

College of Arts and Sciences

Department of Biology Graduate Student Poster Presentations (judging will begin at 8:30am)

1. Charles Battaglia and John L. Carr. Study of the Herpetofauna of Upper Ouachita National Wildlife Refuge in Northeastern Louisiana.
2. Bailey Austin, Swapan Bhuiyan, C. Charles Creech, Ashley Lenoir, Abhita Malaviya, and Debra W. Jackson. Biofilms of ULM.
3. C. Charles Creech, Debra W. Jackson, and Russell L. Minton. A Preliminary Survey of Freshwater Snail Shell Microbes from Bayou Bartholomew, Morehouse Parish, Louisiana.
4. B. N. Miller, J. Putnam, and A. Wiedemeier. Isolation and Characterization of Novel Agrobacteriophages.
5. Joseph M. Styga and Russell L. Minton. Morphometric Analysis of Shell Shape in the Land Snail *Mesodon thyroidus*.

Department of Atmospheric Sciences Undergraduate Student Poster Presentations

6. **Jared Marquis; “Comparison of Multiple Drought Months in Texas.”**
College of Arts & Sciences, Department of Atmospheric Science, Earth Science, and Physics: Dr. Anne Case-Hanks.
7. **Justin I. Pullin; “A Comparison of Significant Tornadoes in the Central and Southeastern United States.”**
College of Arts and Sciences, Department of Atmospheric Science, Earth Science, and Physics: Dr. Larry Hopper

COLLEGE OF ARTS AND SCIENCES POSTER PRESENTATIONS, contd

Department of Chemistry Undergraduate Student Poster Presentations

8. **Ann Lee; “Synthesis of Novel Organotellurium Ligands.”**
College of Arts and Sciences, Department of Chemistry: Dr. Thomas Junk, The University of Louisiana at Monroe,. And Dr. Frank R. Fronczek, Louisiana State University, Baton Rouge.
9. **Stacy Morris; “Characterization of Ultramicroelectrodes Using Cyclic Voltammetry.”**
College of Arts and Sciences, Department of Chemistry: Dr. Emad El-Giar
10. **Nick Fontaine, Jacob Leonard, Badwi Mouwad; “Lanthanide MOFs Incorporating Various Functional Groups.”** College of Arts and Sciences, Department of Chemistry: Dr. Ralph Zehnder.

Department of Mathematics Undergraduate Student Poster Presentations

11. **Anton Dudko; “Stochastic Time Estimation to Visit N points of Attraction by Hitchhiking.”**
College of Arts and Sciences, Department of Mathematics: Dr. Youssef M. Dib.
12. **Jesse Pope and Blane Stroud; “ Discrete Time Juvenile Adult Beverton Holt Type Model.”**
College of Arts and Sciences, Department of Mathematics: Dr. Youssef M. Dib and Dr. Mariette Maroun.

Department of Biology Undergraduate Student Poster Presentations

13. **A. Scott, J. Thompson, M. Weninger, B.N. Miller; “DNA Master: A Bioinformatics Workflow Scheme for the Complete Functional Annotation of Mycobacteriophage Genomes.”**
College of Arts and Sciences, Department of Biology: Dr. Allison Wiedemeier and Dr. Ann Findley.
14. **S. Sampson, S. Hayes, G.B. Morgan, B.N. Miller, J.S. Harmson; “ Isolation and Initial Characterization of Novel Mycobacteriophages from Soil Samples in Northeast Louisiana - Mycobacteriophage sp. iCleared and Medussa.”**
College of Arts and Sciences, Department of Biology: Dr. Allison Wiedemeier and Dr. Ann Findley.
College of Pharmacy: Dr. Chris Gissendanner
15. **Melvin Grimes and Adrienne Murphy; “The Evaluation Of Novel Beta-Lactam Antibiotics On Clinical Bacterial Isolates.”**
College of Arts and Sciences, Department of Biology: Dr. Debra Jackson, University of Louisiana at Monroe and School of Science and Technology: Dr. Jason Carr, Nazarbayev University, Astana Kazakhstan.

POSTER PRESENTATIONS, contd

College of Business

College of Business Graduate Student (MBA) Poster Presentations

16. **WIKIPEDIA: FRIEND OR FOE**
Prashanth Banappagari, Tammy Parker and Cindy Strickler*
17. **BRAND VALUATION OF GROUPON: MERGE OR NO-MERGE OF GOOGLE AND GROUPON**
Presenting Author: Kamal K. Soan
Mentoring Faculty: Dr. Laurie A. Babin

College of Business Undergraduate Student (Business) Poster Presentations

18. **Marketing Science to High School Students**
Kimberley Okoyeze, Elizabeth C. Stammerjohan*
Department of Marketing
19. **Marketing Medical Innovations**
Anupa Prajapat, Similoluwa Ogundare, Ifeoluwa Babatunde
Mentor: Elizabeth C. Stammerjohan **Department:** Marketing

College of Education and Human Development

Department of Educational Leadership Graduate Poster Presentations

20. **Teachers' Perceptions of the Reasons for Lack of Student Academic Preparedness**
Brian D. Bush Mentor: Dr. Timothy Ford
Department of Educational Leadership

Department of Psychology Graduate Poster Presentations

21. **THE EFFECTS OF CONTEXT ON REASONING IN WASON SELECTION TASKS**
Erica Caramillo, Kelsey Chappetta, Jack Palmer*

Department of Psychology Undergraduate Poster Presentation

22. **Altruistic and Religious Beliefs as Related to Costly Signaling Theory**
Logan Hale and Jack Palmer*

POSTER PRESENTATIONS, contd

College of Health Sciences

Department of Speech-Language Pathology Poster Presentations

23. *Parental Judgments of Factors Related to Vocabulary Development of Children for Two Schools in Northeast Louisiana*
Faculty Mentor: Johanna Boulton, PhD, CCC-SLP
Toni Beavers, B.S., Toya Daughtrey, B.S., Meghan Finley, B.S., Andrea Gifford, B.S., Malissa Nappier, B.S., Jennifer Riley, B.S.
24. *Opinions of Speech-Language Pathology Professionals Regarding the Use of Sensory Integration Therapy*
Faculty Mentor: Linda Bryan, PhD, CCC-SLP
Kelli Eldridge, B.S., Sara Hickingbottom, B.S., Aubrey Manning, B.S., Chelsey Martin, B.A., Jessica Smith, B.S.
25. *Speech-Language Pathologists' Judgements and Theoretical Justifications of the Clinical Utility of Processing Dependent Measures*
Faculty Mentor: Johanna Boulton, PhD, CCC-SLP
Kelly Burger, B.S., Sara Chauhan, B.A., Anna Gehl, B.S., Julianne Grant, B.S., Sara Kate Leggitt, B.S., Heidi Slack, B.S.
26. *Improving Oral Language Through Literacy Instruction: A Case Study with Cochlear Implant*
Faculty Mentor: Jennifer Whited, M.S., CCC-SLP
Heather Chadwick, B.S., Janae Culbreath, B.A., Miranda Duncan, B.A., Liz Foster, B.S., Whitney Jones, B.S., Kendall O'Hara, B.A., Mollie Walker, B.S.

POSTER PRESENTATIONS, contd

College of Pharmacy

Graduate Student Poster Presentations

27. Abhita Malaviya and Paul W. Sylvester* “*Mechanisms Mediating the Effects of γ -Tocotrienol Used in Combination with PPAR γ Agonists or Antagonists on MCF-7 and MDA-MB-231 Breast Cancer Cell Proliferation*”.
28. Alaadin Alayoubi, Nehad Ayoub, Abhita Malavia Paul W. Sylvester, and Sami Nazzal* “*TRF/Simvastatin Lipid Nanoemulsions: Characterization and in vitro antiproliferative activity against highly malignant +SA mammary epithelial cells.*”
29. Fathy Behery, Mohamed Akl, Suryatheja Ananthula, Parash Parajuli, Paul Sylvester, Khalid El Sayed* “*Tocotrienol electrophilic substitution products as breast cancer proliferation and migration inhibitory leads.*”
30. Hisham Qosa, Alaa H. Abuznait, and Amal Kaddoumi* “*Development and characterization of mouse brain endothelial cell line bEnd3 as an in vitro model for study of beta amyloid clearance across blood brain barrier*”.
31. Salman Bin Hosain, Kaustubh N Bhinge, Elahe Mahdavian and Yong-Yu Liu* “*Fusarochromanone (FC101) is a Potential Inhibitor of Glucosylceramide Synthase.*”
32. Kaustubh Bhinge, Vineet Gupta, Salman Hosain, Seetharama D. Satyanarayanajois, Sharon A. Meyer, Benny Blaylock, Qian-Jin Zhang, Yong-Yu Liu* “*The opposite effects of Doxorubicin on bone marrow stem cells versus breast cancer stem cells depend on glucosylceramide synthase*”.
33. Matthew D. McCool, Kevin N. Baer*, Andrew E. Christie. “*Histaminergic signaling in the central nervous system of Daphnia and a role for it in the control of phototactic behavior*”.
34. Nehad M. Ayoub, Mohammed R. Akl, and Paul W. Sylvester* “*Antiproliferative and Antimigratory Effects of Combined γ -Tocotrienol and SU11274 Treatment in Mammary Tumor Cells*”.
35. Pratistha Tamrakar and Karen P. Briski* “*Estradiol enhances mitochondrial function in hindbrain A2 Neurons in acute insulin induced hypoglycemia*”.
36. Shanthi Kanthala, Christopher P Mill, David J. Riese II, Seetharama D. Satyanarayanajois* “*Structure activity relationship of peptidomimetics designed and analysis of their binding to recombinant HER2 extracellular domain protein purified from Schneider2 insect cells.*”
37. Sridhar Jaligama, Vijay M. Kale, Mitchell S. Wilbanks, and Sharon A. Meyer* “*Early Hematological Effects of MNX (Hexahydro-1-Nitroso-3, 5-Dinitro-1, 3, 5-Triazine), Environmental Degradation Product of RDX, Persist to Cause Delayed Bone Marrow Myelosuppression.*”

***Mentor**

COLLEGE OF PHARMACY POSTER PRESENTATIONS, contd

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

38. Brian C. Primeaux, Saeed Alqahtani, Paul W. Sylvester, Amal Kaddoumi* “*Acquiring Proficiency in Techniques Utilized for Drug Transport Research.*”
39. Moustafa El Sayed, Jeremy Harmson, Chris R. Gissendanner* “*Identification of NR4A nuclear receptor interacting proteins using yeast tow-hybrid analysis.*”

***Mentor**

PLATFORM (ORAL) PRESENTATIONS

College of Arts and Sciences

Department of Biology Graduate Student Platform (Oral) Presentations

Library Room 3F, 10:30 a.m. to 12:00 p.m.

- 10:30-10:45am: Lisa D. Brown and John L. Carr. Atypical Ectoparasite Associations in Populations of *Rhinoclemmys* (Testudines: Geoemydidae) in Western Colombia.
- 10:45-11:00am: Cody Haynes, Jeffrey Duguay and Kim Marie Tolson. Nocturnal Habitat Selection of the American Woodcock (*Scolopax minor*) at Sherburne Wildlife Management Area.
- 11:00-11:15am: Meghan O'Boyle and Kim Marie Tolson. The Reproductive Biology of the Feral Pig (*Sus scrofa*) in Louisiana
- 11:15-11:30am: Chris Paight and Russell Minton. Phenotypic Plasticity and Gene Flow Over Small Spatial Scales in the Freshwater Snail *Elimia potosiensis*.
- 11:30-11:45am: Matthew L. Reid and Joydeep Bhattacharjee. Twenty-seven Years of Secondary Succession in a Bottomland Hardwood Forest.

PLATFORM (ORAL) PRESENTATIONS, contd

Liberal Arts Platform (Oral) Presentations

ROOM 3C, ULM Library

12:30 pm – 2:45 pm

- 12:30 Hannah Clifton, graduate, Department of English, “King Arthur in *Sir Gawain and the Green Knight*,”
Mentor Dr. Rebecca Stephenson
- 12:45 Shanae Thomas, undergraduate, Department of English, “Amy as a Decider in the novel *Roxana*,”
Mentor Dr. David Nunnery
- 1:00 Kaci McCourt, graduate, Department of English, “Welsh Identity in Arthurian Legends,”
Mentor Dr. Rebecca Stephenson
- 1:15 Taylor Diaz, undergraduate, Department of English, “Bazinga!: The Hilarious Hobbesian World of *The Big Bang Theory*,”
Mentor Dr. David Nunnery
- 1:30 Hope Myers, graduate, Department of English, “The Idealization of Native American Culture,”
Mentor Dr. Mary Adams
- 1:45 Elizabeth Cooley, undergraduate, Department of English, “The Murders in *Mary Barton*,”
Mentor Dr. Jana Giles
- 2:00 Andrew Price, graduate, Department of English, “Literary Hoaxes,”
Mentor Dr. Mary Adams
- 2:15 Catherine Olsen, undergraduate, Department of English, “A Third Knot in *Sir Gawain and the Green Knight*?”,
Mentor Dr. Rebecca Stephenson
- 2:30 Haylee Malone, graduate, Department of English, “Shakespeare Goes Pop,”
Mentor Dr. Janet Haedicke

College of Education and Human Development

Department of Curriculum and Instruction Oral (Platform) Presentation

Strauss Hall 165

12:15 p.m.

Effectiveness of Direct Instruction with Struggling Readers on Fourth Grade Test Scores

Don'a Delgado & Ava Pugh, Dept. of Curriculum and Instruction

PLATFORM (ORAL) PRESENTATIONS, contd

College of Pharmacy Platform (Oral) Presentations

1:45 p.m. to 4:00 p.m., Media Room, 6th Floor, ULM Library

- 1:45-2:00pm:** Alaa H. Abuznait, Hisham Qosa, and Amal Kaddoumi* “*Enhanced Brain beta-Amyloid Clearance by Rifampicin and Caffeine following P-glycoprotein and Low Density Lipoprotein Receptor Related Protein-1 Induction: In Vitro/In Vivo Studies.*”
- 2:00-2:15pm:** Mohamed R. Akl, Nehad M. Ayoub, Bilal Abuasal, Amal Kaddoumi, and Paul W. Sylvester* “*Sesamin Synergistically Potentiates the Anticancer Effects of γ -Tocotrienol in Mammary Tumor Cells.*”
- 2:15-2:30pm:** Ameya S. Gokhale, Seetharama D Satyanarayana Jois* “*Peptides desgned from surface epitopes of Cd2 to modulate CD2-CED58 interations and their implications in rheumatoid arthritis.*”
- 2:30-2:45pm:** Baher A. Ibrahim and Karen P. Briski* “*Estrogen regulates activation of AMPK in caudal hindbrain A2 noradrenergic neurons during pharmacological replication of energy shortage.*”
- 2:45-3:00pm:** Belnaser Busnena, Tina Melancon, Khalid El Sayed* “*Optimization of olive oil phenolics as breast cancer migration inhibitors design and synthesis of antimigratory ester and carbamate analogues of tyrosol.*”
- 2:00-3:15pm:** Ahmed Foudah, Sandeep Jain, Khalid El Sayed* “*Optimization of the marie natural product sipholenols as inhibitors of breast cancer migration.*”
- 3:15-3:30pm:** Amit Gujar, and Karen P. Briski* “*Energy imbalance in the caudal hindbrain alters hypothalamic energy regulatory responses.*”
- 3:30-3:45pm:** Asmaa Sallam, Nehad Ayoub, Sharon A. Meyer, Christopher Gissendaner, Paul Sylvester, Khalid El Sayed* “*Discovery and optimization of the mycotoxin indole diterpene alkaloid penitrems as novel inhibitors of breast cancer proliferation and migration.*”
- 3:45-4:00pm:** Sashikanth Banappagari, Miriam Corti, Seth Pincus and Seetharama D. Satyanarayanajois* “*Modulation of HER2 signaling by small peptidomimetics in breast cancer.*”

*Mentor