

# 2017 ULM Student Research Symposium

## POSTER PRESENTATION LIST

### College of Arts, Education and Sciences

#### *School of Sciences, Undergraduate Poster Presentations*

1. **Melissa Bloch**, Biology, *MODELING ECOSYSTEM PROCESSES USING UAV-BASED MULTISPECTRAL IMAGERY AND CROSS VALIDATION WITH CO<sub>2</sub> FLUX TOWER-BASED OBSERVATIONS*, Faculty Mentor: Dr. Joydeep Bhattacharjee
2. **Mallory B. Crawford**, Biology, *Comparative Analysis of Rhodococcus erythropolis CA Cluster Phages (Angry Orchard, Bobby Dazzler, Dinger, Harlequin, Jester, Partridge, and Yogi) and a CB Cluster Phage (Weasels2)*, Faculty Mentor: Dr. Ann M. Findley
3. **Siddhartha H. Dhakal**, Biology, *Role of initiation factor 4A in translation initiation of Giardia lamblia*, Faculty Mentor: Dr. Srinivas Garlapati
4. **Quoc-Nam Duong**, Biology, *A Comparative Analysis of CA, CB, and Singleton Rhodococcus erythropolis Bacteriophages Using SplitsTree, Gepard DotPlot, and Phamerator*, Faculty Mentor: Dr. Ann M. Findley
5. **Jacob Harrison**, Biology, *Functional Analysis of the CA Cluster Rhodococcus erythropolis Phage Bonanza*, Faculty Mentor: Dr. Ann M. Findley
6. **Sadaf Helforoosh**, Chemistry, *Gravimetric Electrodeposition of Copper*, Faculty Mentor: Dr. Emad El-Giar
7. **Wayne Hemphill**, Biology, *RNA-Sequencing of Drosophila melanogaster Head Tissue on Various Obesogenic Diets*, Faculty Mentor: Dr. Matthew Talbert
8. **Silvienne Sint Jago**, Biology, *SOCS36E, Neurobehavioral Traits and Lifespan, in the Drosophila melanogaster High Sugar Obesity-like State*, Faculty Mentor: Dr. Matthew Talbert
9. **Min Jee Kim**, Chemistry, *Determining Concentration of Acetaminophen in Children's Elixir Using Cyclic Voltammetry*, Faculty Mentor: Dr. Emad El-Giar
10. **John Neal**, Biology, *The use of lichens to kill Giardia lamblia*, Faculty Mentor: Dr. Srinivas Garlapati

The number shown corresponds to a numbered cork board upon which the poster should be displayed.

## **College of Arts, Education and Sciences**

### ***School of Sciences, Undergraduate Poster Presentations Continued***

11. **Kimberly Tran**, Chemistry, *Synthesis of Substituted Pyrazole Heterocycles for Anticancer Activity Studies*, Faculty Mentor: Dr. Siva Murru
12. **Nick Slaughter**, Atmospheric Science, *African Easterly Wave Cloud and Precipitation Structure and Implications for Tropical Cyclogenesis*, Faculty Mentor: Dr. Kenneth D. Leppert II

### ***School of Sciences, Graduate Poster Presentations***

13. **Adebanjo Adedoja**, Biology, *IDENTIFYING PROTEIN-PROTEIN INTERACTIONS BETWEEN INITIATION FACTORS IN Giardia lamblia USING YEAST TWO HYBRID ASSAY*, Faculty Mentor: Dr. Srinivas Garlapati
14. **KONADU BRIDGET DANSO**, Biology, *THE USE OF THE DROSOPHILA GENETICS REFERENCE PANEL TO MAP GENES AND GENE NETWORKS UNDERLYING HIGH FAT DIET-INDUCED MORTALITY*, Faculty Mentor: Dr. Matthew Talbert
15. **Simi Ogundare**, Biology, *BACTERIOPHAGE CLASSIFICATION USING A LYSOGEN LIBRARY: A TAKE ON SUPERIMMUNITY*, Faculty Mentor: Dr. Allison Wiedemeier
16. **Daniel Orozco**, Biology, *The Role of Epigenetic Mechanisms and DNA Modifications in Antigenic Variation in Giardia lamblia*, Faculty Mentor: Dr. Srinivas Garlapati
17. **Sumit Patel**, Biology, *Toward a Genome-Wide Association Study of Diet Related Mortality in Drosophila melanogaster: High Sugar Diet*, Faculty Mentor: Dr. Matthew Talbert
18. **Tyler Porter**, Biology, *Seasonal Abundance and Habitat Selection of Chiropterans at Felsenthal National Wildlife Refuge in Southeast Arkansas*, Faculty Mentor: Dr. Kim Marie Tolson
19. **Katelyn Setzer**, Biology, *Potential of Mycobacteriophage as Candidates for Phage Therapy - Identification of Phage that Infect Nontuberculous Mycobacteria Pathogens*, Faculty Mentor: Dr. Ann M. Findley

## **College of Arts, Education and Sciences**

### ***School of Sciences, Graduate Poster Presentations Continued***

20. **Luke Stamper**, Biology, *Abundance and Characteristics of a White-tailed Deer (*Odocoileus virginianus*) Herd in Ouachita Parish, Louisiana*, Faculty Mentor: Dr. Kim Marie Tolson
21. **Fearron Walker**, Biology, CHARACTERIZATION AND HOST RANGE DETERMINATION OF NOVEL *AGROBACTERIUM TUMEFACIENS (RHIZOBIUM RADIOBACTER)* BACTERIOPHAGES, Faculty Mentor: Dr. Allison Wiedemeier

## **College of Business and Social Sciences**

### ***School of Management and Marketing, Undergraduate Poster Presentations***

22. **Trey Jones**, Management, *Improving Student Engagement in Campus Organizations*, Faculty Mentor: Dr. Claire Stammerjohan

### ***School of Behavioral and Social Sciences, Undergraduate Poster Presentations***

23. **Amber Baron**, Social Sciences, *Impression Formation, Life History Strategy, and Racism in the South*, Faculty Mentor: Dr. Kilian Garvey
24. **Victoria Bice**, Social Sciences, *The Analysis of Emotions in College-Aged Women: The Development of the Emotional Indicator*, Faculty Mentor: Dr. Janelle McDaniel
25. **Rochak Karki**, Social Sciences, *The Relationship between Machiavellianism and ACT Scores*, Faculty Mentor: Dr. Jack Palmer
26. **Akshay Patel**, Social Sciences, *Imposter Phenomenon and Fear of Failure Among College Students*, Faculty Mentor: Dr. Janelle McDaniel
27. **Ronald Sloan**, Social Sciences, *Imposter Phenomenon and General Self-Efficacy Among College*, Faculty Mentor: Dr. Janelle McDaniel
28. **Cole Thornton**, Social Sciences, *Divorce as a Function of Life Expectancy*, Faculty Mentor: Dr. Kilian Garvey

## **College of Business and Social Sciences**

### ***School of Behavioral and Social Sciences, Graduate Poster Presentations***

29. **Cierra Fussell**, Social Sciences, *An Investigation into the Preference of Narcissists in Relation to Mate Selection and Friendship*, Faculty Mentor: Dr. Jack Palmer
30. **Shanel Perkins**, Social Sciences, *Racial Differences in the Perception of Culpability and Punishment for Criminal Actions*, Faculty Mentor: Dr. Jack Palmer
31. **Seth Tackett**, Social Sciences, *The Good, the Bad, and the Narcissistic: An Examination of How the Dark Triad Constructs Relate to Prosocial Behavior*, Faculty Mentor: Dr. Jack Palmer
32. **Melissa Thorne**, Social Sciences, *Gender Differences in Rating Culpability and Punishment for Crime*, Faculty Mentor: Dr. Jack Palmer

## **College of Health & Pharmaceutical Sciences**

### ***School of Health Professions, Graduate Poster Presentations***

33. **Kathryn Jonann Arrant**, Occupational Therapy, *Falls in Skilled Nursing Facilities and Long-Term Care Facilities*, Faculty Mentor: Dr. Patti Calk
34. **Janjenette Collier**, Marriage and Family Therapy, *The Intimate Dynamics of a Life: The Lived Experiences of an African American Woman Living with HIV in the Southern United States*, Faculty Mentor: Dr. Wendel A. Ray
35. **Aimee Elliott**, Speech-Language Pathology, *Self-Advocacy in Adults with Neurological Impairment*, Faculty Mentor: Dr. Jennifer Whited
36. **Danielle Kroper**, Marriage and Family Therapy, *The Effectiveness of Suicide Prevention Programs for At-Risk Youth*, Faculty Mentor: Dr. Baochun Hind
37. **Abi Nelson**, Speech-Language Pathology, *Establishing Mutual Understanding During Shared Reading: A Video Transcript Analysis*, Faculty Mentor: Dr. Jennifer Whited
38. **Jennifer Perodeau**, Occupational Therapy, *Occupational Therapy and Nursing Professionals' Perspectives on the Effectiveness of Interprofessional Collaboration in Acute Care Settings*, Faculty Mentor: Ms. Donna Eichhorn
39. **Joel Sinclair**, Kinesiology, *ULM Tailgaters' Levels of Official Sponsor Awareness Based on Product Categories*, Faculty Mentor: Dr. Matt Lovett

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## **College of Health & Pharmaceutical Sciences**

### ***School of Health Professions, Graduate Poster Presentations Continued***

40. **Jeff Steckler**, Occupational Therapy, *Efficacy of Ultrasound for Pain Reduction in Nonsurgical Shoulder Injury*, Faculty Mentor: Dr. Patti Calk

### ***School of Nursing, Undergraduate Poster Presentations***

41. **Emily Odins**, Nursing, *Polypharmacy*, Faculty Mentor: Mrs. Cheryl Hummel

### ***School of Pharmacy, Undergraduate Poster Presentations***

42. **Richard Blankenship** and Scott Baggarly. Utilization of Preventive Healthcare Services in the United States, Faculty Mentor: Dr. Amal
43. **Bryon Garrety**, Abu Bakar Siddique, Mohamed Mohyeldin, Amira Goda, Khalid El Sayed, Pharmacy, *Discovery of The Marine Sponge-Derived Dibromotyrosines as A Novel c-Met Kinase Inhibitory Class For c-Met-Dependent Breast Cancer Control Using Computer-Aided Virtual Screening*, Faculty Mentor: Dr. Khalid El Sayed
44. **Sujeong Jang**, Hyunwoo Choi, Turki Al Hagbani, Sami Nazzal, Pharmacy, *Evaluation of a custom fabricated pressure sensor as a tool to simulate the lower jaw during the mastication of chewing gums*, Faculty Mentor: Dr. Sami Nazzal
45. **Mary Walton**, Amber Gill, Rushikesh Sable, and Seetharama D. Jois, Pharmacy, *Stability Study of Peptidomimetics Targeting HER2 Dimerization*, Faculty Mentor: Dr. Seetharama D. Jois
46. **Trang Nguyen\***, Mosab Shalby\*, Ahmad Salawi, Sami Nazzal (\*equal contribution), Pharmacy, *Effect of TEC and TBC Plasticizers on the Mechanical Properties of Soluplus® Films*, Faculty Mentor: Dr. Sami Nazzal
47. **Susan Egbert**, Abu Bakar Siddique, Heba Elsayed, Hassan Ebrahim, Mohamed Mohyeldin, Amira Goda, Joydeep Bhattacharjee, Khalid El Sayed, Pharmacy, *Computer-Aided Discovery of Lichen Metabolites as Novel c-Met Kinase Inhibitory Entities for Controlling Breast Malignancies*, Faculty Mentor: Khalid El Sayed

## **College of Health & Pharmaceutical Sciences**

### ***School of Pharmacy, Undergraduate Poster Presentations Continued***

48. **Jessie Grazier**, Ashton Machen, Susan Egbert, Abu Bakar Siddique, Khalid El Sayed and Paul W. Sylvester, Pharmacy, *Role of Galectin in Mediating the Anticancer and Metastatic Effects of  $\gamma$ -Tocotrienol in Highly Malignant +SA Mammary Tumor Cells*, Faculty Mentor: Paul W. Sylvester

### ***School of Pharmacy Graduate Poster Presentations***

49. **Amr Kalloub** and Paul W. Sylvester, Pharmacy, *Nerve Growth Factor as a Potential Target for Breast Cancer*, Faculty Mentor: Dr. Paul W. Sylvester
50. **Afaf Aldahish** and Girish Shah, Pharmacy, *Measurement of serum prostate cancer markers using a nanopore thin film based Optofluidic chip*, Faculty Mentor: Dr. Girish Shah
51. **A K M Nawshad Hossian**, George Mattheolabakis, Pharmacy, *Targeting the cell cycle in Lung Cancer using miRNAs and the development of a new delivery carrier*, Faculty Mentor: Dr. George Mattheolabakis
52. **Santosh K. Mandal** and Karen P. Briski, Pharmacy, *Hypoglycemia (HG)-driven Dorsomedial Hindbrain Noradrenergic Signaling Alters Expression of Known Forebrain Metabolic-Sensitive Neurotransmitters; Effects of Caudal Fourth Ventricular L-Lactate (L)*, Faculty Mentor: Dr. Karen P. Briski
53. **Youssef M. Mousa**, Loqman A. Mohamed, Haihao Zhu, Erming Wang, Wei Qiao Qiu and Amal Kaddoumi, Pharmacy, *LRP1 Translocation by Amylin Enhances Amyloid- $\beta$  Clearance across the Blood-Brain Barrier*, Faculty Mentor: Dr. Amal Kaddoumi
54. **Venkatesh Dronamraju**, Ibrahim G. Algayadh and Paul W Sylvester, Pharmacy, *Activation of AMPK by  $\gamma$ -Tocotrienol Negatively Regulates the Warburg Effect in Breast Cancer*, Faculty Mentor: Dr. Paul W Sylvester
55. **Ahmad Salawi** and Sami Nazzal, Pharmacy, *Formulation and Characterization of a Vitamin E Based Adhesives*, Faculty Mentor: Dr. Sami Nazzal
56. **Lucy Darakjian** and Amal Kaddoumi, Pharmacy, *Simulation of Caffeine PKPD in Pregnancy and its effect on miscarriage*, Faculty Mentor: Dr. Amal Kaddoumi
57. **Mohammad M. Kamal** and Sami Nazzal, Pharmacy, *Development of a new class of phytochemical enabled Self-Emulsifying Drug Delivery Systems (SEDDS) by High Throughput Screening: A case study with curcumin*, Faculty Mentor: Dr. Sami Nazzal

## **College of Health & Pharmaceutical Sciences**

### ***School of Pharmacy Graduate Poster Presentations Continued***

58. **Suresh K. Nagumalli**, Jeffrey D. Carstens, Nathan Schultz, Danny L. Barney, Sharon A. Meyer, Pharmacy, *Variation in Myelostimulatory and Toxicological Activity of Different Medicinal Species of Echinacea Upon 7-day Oral Treatment in Sprague-Dawley Rats*, Faculty Mentor: Dr. Sharon A. Meyer
  
59. **Abu Bakar Siddique**, Hassan Ebrahim, Mohamed Mohyeldin, Mohamed Akl, Khalid El Sayed, Pharmacy, *Extra-Virgin Olive Oil c-Met Inhibitor Oleocanthal-Lapatinib: A Novel Synergistic Combination For HER2-Dependent Breast Malignancies*, Faculty Mentor: Dr. Khalid El Sayed
  
60. **Sitanshu Singh**, Rushikesh Sable, Tyrslai Williams, Graca Vicente, Seetharama Jois, Pharmacy, *Cyclic Peptide with D-amino acids for Targeting Extracellular Domain of EGFR*, Faculty Mentor: Dr. Seetharama Jois
  
61. **Ayed Alshamrani** and Karen P. Briski, Pharmacy, *Effects of Glycogen Phosphorylase Inhibition on Ventromedial Hypothalamic Nucleus Metabolic Sensor Function and Effector Neurotransmitter Expression; Impact of the Oxidizable Substrate Fuel L-Lactate*, Faculty Mentor: Dr. Karen P. Briski
  
62. **Manita Shakya** and Karen P. Briski, Pharmacy, *Role of Estradiol, Hindbrain AMPK and Interneurons in Short Term Food Deprivation Induced Inhibition of GnRH*, Faculty Mentor: Dr. Karen P. Briski
  
63. **Himgauri Naik** and Seetharama D. Jois, Pharmacy, *Design of a Novel Peptidomimetic-Lipid Conjugate that inhibits EGFR heterodimerization*, Faculty Mentor: Dr. Seetharama D. Jois
  
64. **Mostafa Ibrahim** and Karen P. Briski, Pharmacy, *Estrogen Receptor (ER) Regulation of Ventromedial Hypothalamic Nucleus (VMH) Astrocyte Glycogen Metabolism in Male and Female Rats During Glucose Sufficiency and Glucose Deprivation*, Faculty Mentor: Dr. Karen P. Briski
  
65. **Ibrahim G. Algayadh** and Paul W. Sylvester, Pharmacy, *Synergistic Anticancer Effects of Combined  $\gamma$ -Tocotrienol and Pterostilbene Is Associated with a Suppression in Rac1/WAVE 2 Signaling in Highly Malignant Breast Cancer Cells*, Faculty Mentor: Dr. Paul W. Sylvester
  
66. **Ihab Abdallah**, Sweilem B. Al Rihani and Amal Kaddoumi, Pharmacy, *High-Throughput Screening for Identification of Blood-Brain Barrier Integrity Enhancers and Amyloid Beta Clearance in-vitro*, Faculty Mentor: Dr. Amal Kaddoumi

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## **College of Health & Pharmaceutical Sciences**

### ***School of Pharmacy Graduate Poster Presentations Continued***

67. **Khaled Elfakhri** and Amal Kaddoum, Pharmacy, *Effect of Etodolac on the Integrity and Function of the Blood Brain Barrier*, Faculty Mentor: Dr. Amal Kaddoum
68. **P Parajuli**, R Sable, and Seetharama Jois, Pharmacy, *Structure and Dynamics of Grafted Peptide for CD2-CD58 Protein-Protein Interaction*, Faculty Mentor: Dr. Seetharama Jois
69. **JOSHUA SALLEY**, RAMI AL SULIMAN, HEATH BARNETT, SRIDHAR JALIGAMA, SHARON A. MEYER, Pharmacy, *Use of Chemometrics to Identify Active Constituents of Select Hepatic Toxic Responses to Crude Oils*, Faculty Mentor: Dr. SHARON A. MEYER
70. **Allison Franzen**, Pharmacy, *Development of an Evidence Integration Framework for a Weight of Evidence Analysis to Integrate Epidemiological and Toxicological Data*, Faculty Mentor: Dr. Sharon A. Meyer