

# 2016 ULM Student Research Symposium

## POSTER PRESENTATION LIST

### College of Arts, Education and Sciences

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

1. **Wayne Brigalia Jr**, *Analysis of Plant Communities at the Copenhagen Prairie: Site for the ULM Biological Station*, Faculty Mentor: Dr. Joydeep Bhattacharjee
2. **Lara Crawford**, *SOCS36E and Energy Homeostasis in the Drosophila Obesity-like State*, Faculty Mentor: Dr. Matthew Talbert
3. **Avery Cunningham**, *Anti-parasitic Effects of Turmeric (Curcuma longa) on Giardia lamblia*, Faculty Mentor: Dr. Srinivas Garlapati
4. **Siddhartha H. Dhakal**, *Seasonal Variations in the net ecosystem CO<sub>2</sub> exchange of Bottom-Land Hardwood Forest in Northeastern Louisiana*, Faculty Mentor: Dr. Joydeep Bhattacharjee
5. **Siddhartha H. Dhakal**, *Role of Initiation factor 4A in translation initiation of Giardia Lambliia*, Faculty Mentor: Dr. Srinivas Garlapati
6. **Gillian Holder**, *Annotation of Rhodococcus erythropolis phages Chewy VIII and Trina*, Faculty Mentors: Dr. Allison M.D. Wiedemeier, Dr. Chris Gissendanner, and Dr. Ann M. Findley
7. **Adesola Kolawole**, *X-ray diffraction of table salt and effect of water molecules on the crystalline structure*, Faculty Mentor: Dr. John Anderson
8. **Stephen Kreller**, *What Hurricane Attributes Most Strongly Correlate with Maximum Storm Surge Height?*, Faculty Mentor: Dr. Ken Leppert
9. **Holly Mallinson**, *Comparing Environmental Conditions of Convective Storms Producing Damaging Winds and Hail*, Faculty Mentor: Dr. Todd Murphy
10. **Milre Matherne**, *COMPARING PEAK CANOPY GREENNESS IN FOUR FORESTS OF NORTHAMERICA USING PHENOLOGICAL DATA*, Faculty Mentor: Dr. Joydeep Bhattacharjee
11. **Lucas McHan**, *Investigation of the Structure of Seeded, Single-Elimination Brackets*, Faculty Mentors: Dr. David Hare

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***

12. **Ahmed Afeef Mujtaba**, *Finding a drug for Giardiasis*, Faculty Mentors: Dr. Srinivas Garlapati
13. **Elisa M. Murillo**, *Classification and Analysis of Tornado Outbreaks in Dixie Alley and Tornado Alley*, Faculty Mentor: Dr. Todd Murphy

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

14. **Adebanjo Adedoja**, *Identifying protein-protein interactions between EIF4E2 and other initiation factors in Giardia Lamblia using Yeast- Two Hybrid Assay*, Faculty Mentor: Dr. Srinivas Garlapati
15. **Tanner Hart**, *Do artificially created canopy gaps increase biological diversity in a Bottomland Hardwood Plantation?*, Faculty Mentor: Dr. Joydeep Bhattacharjee
16. **Osvaldo Rivera**, *An investigation of the effects of HFD in the head of Drosophila melanogaster*, Faculty Mentor: Dr. Matthew Talbert

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

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

17. **Crystal Curry**, *A SECOND EXPLORATORY PSYCHOMETRIC INVESTIGATION INTO THE PERCEIVED RELATIONSHIP BETWEEN STEALING AND SIN: PERCEPTIONS OF STEALING AS RELATED TO SINNER*, Faculty Mentor: Dr. Joseph McGahan
18. **Rochak Singh Karki**, *Affective Empathy Is a Better Predictor of Judicial Decisions than Cognitive Empathy*, Faculty Mentor: Dr. Jack Palmer
19. **Emily Odins**, *Eat, Drink and be Merry!*, Faculty Mentor: Dr. Kilian Garvey

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

20. **Amber Marie Flick**, *Perception of the Act of Stealing as a Sin: A Second Exploratory Psychometric Investigation*, Faculty Mentor: Dr. Joseph R. McGahan, Ph.D.
21. **Shanel Perkins**, *Racial Differences in the Perception of Culpability for Criminal Actions*, Faculty Mentor: Dr. Jack Palmer
22. **Cory Williams**, *Psychological View of Social Acceptance in Sports and Fictional Setting*, Faculty Mentor: Dr. Janelle McDaniel

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

23. **Finola Reed**, *How Technology Affects Small Businesses*, Faculty Mentor: Dr. Claire Stammerjohan

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

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

24. **Mary Balch**, *Nursing Home Residents' Knowledge and Awareness of Fall Risk*, Faculty Mentor: Dr. Patti Calk
25. **Gabriel Bass**, *Special Education Teachers' Views on the Effectiveness of Occupational Therapists in the School System*, Faculty Mentor: Dr. Carolyn Murphy
26. **Brittany Branch**, *The Impact of Early Literacy Experiences on Future Academic Success*, Faculty Mentor: Dr. Jennifer Whited
27. **Sarah Brinkley**, *Students' Awareness and Knowledge of Autism*, Faculty Mentor: Dr. Jennifer Whited
28. **Lindsey Cole**, *Parent Perspectives on the Effects of Hippotherapy with Children*, Faculty Mentor: Dr. Patti Calk
29. **Kendal Kimbell**, *Perceptions and Knowledge of Occupational Therapy among Nursing Staff in Skilled Nursing Facilities*, Faculty Mentor: Mrs. Donna Eichhorn
30. **Kailey Newsom**, *Perceptions of Individuals Who Stutter*, Faculty Mentor: Jennifer Whited
31. **Katelyn Wilson**, *Congruence of Aphasia Treatment*, Faculty Mentor: Dr. Jennifer Whited

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

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

32. **Sarah Reppond**, *Immunization Awareness in Public Schools Via Rallies: Semester Five Nursing Students in Collaboration with School Based Clinic Personnel*, Faculty Mentor: Dr. Judy Hughes

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

33. **Marissa Thongdy**, Jenna Mailhes, Olivia Travis, Suresh K Nagumalli, and Sharon A Meyer. Analysis of toxicological effects of *Echinacea angustifolia* through clinical pathology and hematological parameters in rats.
34. **Ryan Byrd**, Mostafa M Ibrahim, Khalid A. El Sayed. Combinations of Extra-Virgin Olive Oil Phenolics for the Control of Breast Cancer.
35. **Susan Egbert**, Heba Elsayed, Hassan Ebrahim, Mohamed Mohyeldin, Joydeep Bhattacharjee, Khalid El Sayed. Bioassay-Guided Discovery of the Louisiana-Based Lichen Depsides as Promising Hits for Controlling Breast Cancer through Targeting HGF/c-Met Axis.
36. **Tenerica Madison**, Abu Baker Siddique, Hassan Ebrahim, Khalid El Sayed. Combinatorial Use of Natural Product c-Met and mTOR Inhibitors for the Control of Breast Malignancies.

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

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

37. **Hussain N. Alhamami** and Karen P.Briski. The Role of Hindbrain Glucose Sensing Neurons in Responding to Hypoglycemia Induced by Insulin.
38. **Mohammad M Hailat**, Hassan Y. Ebrahim, Khalid A. El Sayed. A Tobacco Cembranoid as VEGFR Inhibitor for the Control of Triple Negative Breast Malignancies.
39. **RJ Al Suliman**, KA El Sayed, AL Russell, AJBednar and SA Meyer. DETECTION OF FREE RADICAL METABOLITE OF RDX (HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE) AND MNX (HEXAHYDRO-1- NITROSO-3, 5-DINITRO-1, 3, 5-TRIAZINE) BY EPR.
40. **Rushikesh Sable**, Thomas Durek, David Craik, Ted Gauthier, Sandeep Pallerla and Seetharama Jois. CD2 protein derived grafted cyclotides for modulation of CD2-CD58 protein-protein interaction, possible therapeutic applications in autoimmune diseases.
41. **Sweilem Al Rihani**, Hisham Qosa, Loqman Mohamed ,Yazan Batarseh, Jeffrey Keller, Amal Kaddoumi. A novel in-vitro high-throughput screening assay for the discovery of modulators of the blood-brain barrier endothelium integrity
42. **Abu Bakar Siddique**, Hassan Ebrahim, Mohamed Akl, Khalid El Sayed. The Olive-Based c-Met Inhibitor Oleocanthal Effectively Synergizes The In Vitro And In Vivo Antitumor Activities of the Dual EGFR/HER2 Inhibitor Lapatinib against HER2-Dependent Breast Malignancies
43. **Ibrahim G. Algayadh**, Venkateshwararao Dronamraju and Paul W. Sylvester.  $\gamma$ -Tocotrienol Inhibition of Cell Migration and Invasion Is Associated with a Suppression in WAVE2 Signaling in Highly Malignant Breast Cancer Cells
44. **Fahaad S. Alenazi** and Karen P. Briski. Neuroprotective Roles of Estradiol Hormone during Energy Deficit
45. **Mohamed Mohyeldin**, Belnaser Busnena, Mohamed Akl, Hassan Ebrahim, Ana Maria Dragoi, James Cardelli, Khalid El Sayed. The Oleocanthal-Based Homovanillyl Sinapate as A Novel Dual c-Met-ABL1 Inhibitor.
46. **Mohamed Said**, Mohamed Mohyeldin, Hassan Ebrahim, Wael Houssen, Eman Haggag, Randa Fathi, Khalid El Sayed. The Indole Alkaloid Meleagrins, from the Olive Tree Endophytic Fungus *Penicillium chrysogenum*, as A Novel Lead for the Control of c-Met-Dependent Breast Malignancies.

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

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

47. **Amira Goda**, Khayria Naguib, Magdy Mohamed, Hassan Amra, Somaia Nada, Abdel Rhman Abdel -Ghaffar, Chris Gissendanner, Khalid El Sayed. Astaxanthin and Docosahexaenoic Acid Reverse the Toxicity of Penitrem A, the Maxi-K (BK) Channel Antagonist Mycotoxin: In Vitro and In Vivo Models.
48. **Quoc-Viet Andrew Duong**, Dr. Amal Kaddoumi. The Investigation of Plasma Rich in Growth Factors on the Enhancement of the Blood Brain Barrier.
49. **Rayan A. Ahmed**, Osama A. Alawin and Paul W. Sylvester.  $\gamma$ -Tocotrienol Inhibition of Epithelial-to-Mesenchymal Transition (EMT) is Mediated through the Canonical Wnt Pathway in Human Breast Cancer Cells.
50. **Suresh K Nagumalli**, Hanin F Hussin, Danny L Barney, Nirmal D Pugh, David S Pasco and Sharon A Meyer. MYELOSTIMULATION BY *ECHINACEA* HERBAL SUPPLEMENT AND *E. PURPUREA* INDEPENDENT OF BACTERIAL LPS, OTHER COMPONENTS THAT ACTIVATE MONOCYTES AND LIPOPHILIC PHYTOCONSTITUENTS.
51. **Hanin F Hussin**, Suresh K Nagumalli, Thomas W Sasek, Khalid A. El Sayed and Sharon A. Meyer. COMPARISON OF <sup>1</sup>H-NMR FINGERPRINTS OF *ECHINACEA PURPUREA* EXTRACTS WITH STIMULATION OF MYELOPOIESIS IN RAT TO IDENTIFY ACTIVE CONSTITUENTS
52. **Yazan S. Batarseh**, Hisham Qosa, Mohamed M. Mohyeldin, Khalid A. El Sayed, Amal Kaddoumi. Oleocanthal Reduced Amyloid- $\beta$  Load in TgSwDI Mice and Protected Against Amyloid- $\beta$  Oligomers Toxicity in Human Astrocytes and Neurons.
53. **Venkatesh Dronamraju**, Ibrahim G. Algayadh and Paul W Sylvester. Activation of AMPK by  $\gamma$ -Tocotrienol Negatively Regulates the Warburg Effect in Breast Cancer.
54. **JOSHUA SALLEY**, RAMI SULIMAN, HEATH BARNETT SRIDHAR JALIGAMA, TAMMY R. DUGAS, S KORPELA, VY HEBERT, AND SHARON MEYER. USE OF PARTIAL LEAST SQUARES REGRESSION TO IDENTIFY GC/MS SPECTRAL PEAKS CORRELATED WITH TOXICITY OUTCOMES IN RATS OF CRUDE OIL FROM VARIOUS SOURCES.
55. **Khaled Elfakhri** and Amal Kaddoumi. Effect of Etodolac on the Integrity and Function of the Blood Brain Barrier.
56. **Mostafa M Ibrahim**, Mohamed A. Mohyeldin, Hassan Y. Ebrahim, Yong-Yu Liu, Khalid A. El Sayed. An Extra-Virgin Olive Oil Lignan as A Novel Breast Cancer Metastasis Inhibitor.

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

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

57. **Mohammad B. Uddin**, Sachin K. Khiste, Yong-Yu Liu. Missense p53 Mutation is Associated with Enhanced Immune Rejection to Tumors in Mice
  
58. **Manita Shakya**, Fahaad S. Alenazi and Karen P. Briski. Role of estradiol in intrinsic hindbrain AMPK regulation of hypothalamic AMPK, metabolic neuropeptide and food intake in the female rat.