

Center for Molecular Communication and Signaling

Fall Research Retreat

Friday, October 11th, 2013 | Bridger Field House

Posters

1. *A good coarse-grained model to study the dynamics of protein-DNA complexes*
Yan Lu and Freddie R. Salsbury, Jr., Physics
2. *Bioenergy Metabolism in Radiation Resistance Model of Head and Neck Cancer*
Jade Mims and Christina Furdui, Molecular Medicine and Translational Science
3. *Cannabinoid Receptor Interacting Protein 1a (CRIP1a) Regulates CB1 Receptor Trafficking*
Lawrence Blume and Allyn C. Howlett, Physiology & Pharmacology
4. *Determining the Structural Basis for Functional Differences Between Peroxiredoxin 1 & 2*
Jesalyn Lucas and W. Todd Lowther, Biochemistry
5. *Development of a Toolbox for the Analysis of PRMT1 Mediated Protein Modifications*
Sarah Bergman and Lindsay Comstock-Ferguson, Chemistry
6. *Directed viral mRNA interaction with hnRNPs during VSV infection*
Adam Davidson, Rebecca W. Alexander, Chemistry
7. *Dynamical Network Analysis for MD Simulations*
Cody Stevens and Sam Cho, Computer Science and Physics
8. *ERalpha Variant Expression Upregulates Transcriptional and Caspase 3/7 Activity in INS1e Cells*
Ellen Dover and Peter Antinozzi, Biochemistry
9. *Exogenous acid loads increase ROS production by the kidney*
Xuming Sun, Physiology & Pharmacology
10. *Flavonoid modulation of insulin signaling in fat and muscle cells*
Monica Jenks and Gloria Muday, Biology
11. *Flavonols modulate root growth and fertility in tomato through regulation of IAA transport and ROS levels*
Gregory Maloney and Gloria Muday, Biology
12. *Functional Dissection of Drosophila G-Protein Coupled Receptors*
Michael Rizzo and Erik Johnson, Biology

13. *How Stiff Is It? Characterizing the Elastic Modulus of Hydrogels for Use in Regenerative Medicine*
Xinyi Guo and Martin Guthold, Physics
14. *Long-range communication in methionyl-tRNA synthetase*
Keng-Ming Chang and Rebecca W. Alexander, Chemistry
15. *Measuring Levels of Reactive Oxygen Species in Kidney Epithelial Cells*
Rachel Tay and Snezana Petrovic, , Biology and Physiology & Pharmacology
16. *Modulation of Erk Activity by Reversible Cysteine Modification*
Jeremiah Keyes and Leslie Poole, Biochemistry
17. *Modulation of reactive oxygen species signaling by flavonols in guard cells of Arabidopsis thaliana*
Justin Watkins and Gloria K. Muday, Biology
18. *Molecular Conformational Signaling Network Determines tRNA Folding Mechanisms*
Rongzhong Li and Sam Cho, Physics
19. *New Chemical Approaches to Trapping Nitroxyl (HNO)*
Zhengrui Miao and S. Bruce King, Chemistry
20. *Nutrient Sensing By Central Neurons that Regulate Reproductive Behaviors in Drosophila*
Matt Whitmill and Erik Johnson, Biology
21. *Sequence Motif Analysis of Expression-Clustered Arabidopsis thaliana Genes*
William Turkett, Computer Science
22. *Synthesis of highly functionalized aromatic azides for the detection of protein cysteine oxidation*
Rajeswari Mukherjee and S. Bruce King, Chemistry
23. *The role of 5' to 3' exoribonuclease dhp1 in epigenetic silencing*
James Tucker and Ke Zhang, Molecular Genetics and Genomics
24. *Trigeminal mediation of mammalian aversion to insect chemical defense compounds*
Wayne Silver, Biology