

Center for Molecular Communication and Signaling

Redox Biology Retreat | Friday, May 20, 2016 | Winston Hall, WFU

1. *A Structural and Biochemical Analysis of Human Peroxiredoxin-3: A Unique Member of the Prx Family*. Reed Lawson, W. Todd Lowther, Biochemistry
2. *Characterization of Bacillus subtilis thioredoxin and thioredoxin reductase*. Katherine A. Black, Patricia C. Dos Santos, Chemistry
3. *Flavonols enhance the development and heat stress response of tomato pollen*. Joelle Muhleman, Gloria Muday, Department of Biology
4. *Functionality of the Osteocalcin Disulfide Bond*. Andrew J. Wommack, , Department of Chemistry, High Point University
5. *Impact of Redox Modification on PKA Substrate Specificity*. Robert H. Newman, Department of Biology, NC A&T University.
6. *Investigation of Redox Control in Chlamydial Infection by Novel Chemical Tools and Mass Spectrometry*. Rosine Dushime, Allen Tsang, Molecular Medicine
7. *Oxidation of Extracellular signal-regulated kinase in response to proliferative signals*. Jeremiah Keyes, Leslie Poole, Biochemistry
8. *Redox Centered View of Radiation Resistance in Head and Neck Cancer*. Jade Mims, Cristina M Furdui, MMTS
9. *Impact Meprin A Mediated Cleavage on the Function of the Substrate Selectivity of the Isoform of the Catalytic Subunit of the Protein Kinase (PKA C β 1)*. Letitia Beckett, Robert Newman, Department of Biology, NC A&T University
10. *The regulation of Reactive Oxygen Species in tomato guard cells*. Justin Watkins, Gloria Muday, Biology
11. *The role of Reactive Oxygen Species (ROS) signaling on root architecture in Arabidopsis thaliana*. Jordan Chapman, Gloria Muday, Biology
12. *Uncovering protein networks in microbial systems: a possible functional link between protein translation and biosynthesis of Fe-S cluster in Azotobacter vinelandii*. Canna Zheng, Patricia C. Dos Santos, Department of Chemistry