

**Center for Molecular Communication and Signaling
Fall Retreat, Friday October 16, 2015; Bridger Field House**

Daniel Kim-Shapiro, Physics

Nitrite Signaling

Justin Watkins #, Muday lab, Biology

Regulation of Redox Signaling in Guard Cells through Hormonal Modulation of Flavonol Antioxidant Synthesis

Todd Lowther, Biochemistry

Retroreduction of Inactivated Peroxiredoxins by Sulfiredoxin

Gizem Keceli, Furdui lab, Molecular Medicine

Strategies to Investigate the Redox Biology of Sulfenic Acids

Keynote Speaker: Yimon Aye, Cornell University, Department of Chemistry

Precise Redox Responses Imprinted by On-Demand Redox Targeting

Allyn Howlett, Physiology and Pharmacology

Studies on the PotHolder: CB1 Cannabinoid Receptor and Associated Proteins

Michael Rizzo #, Johnson lab, Biology

Molecular Dissection of Drosophila G-Protein Coupled Receptor Oligomerization

James Tucker #, Zhang lab, Molecular Genetics and Genomics and Biology

A Novel Role for 5' - 3' Exoribonuclease Dhp1/Xrn2: Epigenetic Silencing

Robert Newman, Biology, NC A&T

New and Emerging Modes of Global Kinase Regulation

Pierre Vidi: Cancer Biology

Leptin Signaling and Loss of Tissue Polarity during Breast Cancer Initiation

Sumaiya Nazli, Tsang lab, Molecular Medicine

A New Approach to Cancer Prevention – the ‘MICRO’ Management

Ronald Nelson #, Welker Lab, Chemistry

Organic Synthesis of Novel Phosphatidylinositol 3-kinase (PI3K) Inhibitors Activated by Prostate Specific Antigen (PSA) for the Treatment of Androgen-independent Prostate Cancer

Denotes CMCS Graduate Fellowship Recipient