Center for Molecular Signaling
Fall Retreat, Thursday October 11, 2018; Wake Downtown

8:30 Continental Breakfast

9:00 Welcome from **Gloria Muday and Rebecca Alexander**, CMCS Director and Co-Director

9:05-9:20 Bruce King, Chemistry
Nitrogen oxide formation from nitroimidazole antibiotics

9:20:9:35 Gargi Mahapatra, Internal Medicine
Blood-based bioenergetic profiling is related to differences in brain morphology in African Americans with Type 2 diabetes

9:35-10:20 KEYNOTE SPEAKER

Sudha Biddinger, Children's Hospital of Boston/Harvard School of Medicine
Novel mediators of diabetes associated atherosclerosis

10:20-10:45 Coffee Break

10:45-11:10 Regina Cordy, new faculty member Biology
Understanding the within-host dynamics of Plasmodium during chronic malaria

11:10-11:25 William Turkett, Computer Science
K-mer based classifiers extract functionally relevant features to support accurate Peroxiredoxin subgroup distinction

11:25-11:40 Mohsan Bahrami, Biomedical engineering
A multivariate model for statistical assessments of biological networks

11:40-11:55 Rebecca Alexander, Chemistry
tRNA base modifications in genetic code accuracy and bacterial fitness

12:00-12:45 LUNCH: FIRST FLOOR LOBBY AND COURTYARD

12:50-1:05 Wayne Pratt, Psychology
Mu-, delta-, and kappa- opioid receptors of the nucleus accumbens differentially impact food-directed motivation

1:05-1:20 Nicholette Allred, Biochemistry
Elucidating the metabolomic contributions of Diabetes risk

1:20-1:35 Eric Schuppe, CMS Graduate Fellow, Biology
Specialized capacity for de novo steroid synthesis in skeletal muscles that actuate elaborate displays

1:35-1:55 Coffee break

1:55-2:10 Yong Joo Ahn, Internal Medicine
Monocytic glutaredoxin 1 protect mice against obesity, hyperglycemia, and atherosclerosis

2:10-2:25 Joelle Muhlemann Vidi, Biology,
High temperature induced ROS inhibits pollen success and is minimized by flavonols

2:25-2:40 Kim Nelson, Biochemistry
Redox regulation of c-Jun N-terminal kinase2 by direct protein oxidation in chondrocytes

2:40-5:00 Poster Session and wine and cheese reception