SOUTHEASTERN CHEMICAL BIOLOGY SYMPOSIUM
2017 PROGRAM

“Small Molecules for Understanding Life & Managing Disease”

7:45 – 8:30 a.m. Check-in and continental breakfast

8:30 – 8:35 a.m. Welcome and introductory remarks by Kojo Mensa-Wilmot, professor and head of the UGA Chemical Biology Group

SESSION 1

Paul D. Coverdell Center for Biomedical and Health Sciences, Room S175
Discussion Leader: Y. George Zheng, University of Georgia

YOMI OYELERE, GEORGIA INSTITUTE OF TECHNOLOGY
8:35 – 8:55 a.m. Exploration of Designed Multiple Ligands Approach for Targeted Epigenetic Perturbation

HEATHER FLANAGAN-STEET, UNIVERSITY OF GEORGIA
8:55 – 9:15 a.m. Activity Base Profiling in Live Zebrafish Reveals TGFß Regulated Cathepsin Activation During Development and Disease

BIN XU, VIRGINIA TECH
9:15 – 9:35 a.m. Protein Aggregation Small Molecule Inhibitor Discovery and Mechanisms

RICHARD LEE, ST. JUDE CHILDREN’S HOSPITAL
9:35 – 9:55 a.m. Discovery and Development of a Chemical Toolkit to Modulate Intracellular Coenzyme A Levels

SHANSHAN LI, GEORGIA STATE UNIVERSITY
9:55 – 10:10 a.m. An OGA-Resistant Probe Allows Visualization and Identification of O-GlcNAc-Modified Proteins in Cells

VIVIAN PADIN-IRIZARRY, UNIVERSITY OF GEORGIA
10:10 – 10:25 a.m. Elucidate Artemisinin Resistance in Vitro Phenotypes Using Plasmodium Falciparum GFP-Expressing Parasites

10:25 – 10:45 a.m. Coffee break

SESSION 2

Paul D. Coverdell Center for Biomedical and Health Sciences, Room S175
Discussion Leader: Kojo Mensa-Wilmot, University of Georgia

ERIC BRUSTAD, UNIVERSITY OF NORTH CAROLINA
10:45 – 11:05 a.m. New Recipes for Biocatalysis: Expanding the Cytochrome P450 Chemical Landscape

NAOAKI FUJII, ST. JUDE CHILDREN’S HOSPITAL
11:05 – 11:25 a.m. Small Molecule Inhibitors Targeting the Translesion DNA Synthesis Machinery

NATE HATHAWAY, UNIVERSITY OF NORTH CAROLINA
11:25 – 11:45 a.m. Pathway-Based High Throughput Chemical Screen Identifies New Molecular Components of Heterochromatin Gene Repression

MENGQIAN CHEN, UNIVERSITY OF SOUTH CAROLINA
11:45 a.m. – 12:05 p.m. CDK8/19: A New Transcriptional Target for Cancer Therapy

KU-LUNG HSU, UNIVERSITY OF VIRGINIA
12:05 – 12:25 p.m. Chemical Proteomic Profiling of Diacylglycerol Kinases

CATHERINE SULLENBERGER, UNIVERSITY OF GEORGIA
12:25 – 12:40 p.m. Discovery Chemical Biology of AEE788 in the African Trypanosome

12:40 – 1:45 p.m. Lunch break

SESSION 3

Paul D. Coverdell Center for Biomedical and Health Sciences

1:45 – 3 p.m. Poster session

3:05 p.m. Group photo

KEYNOTE

Robert C. Wilson Pharmacy Building, Room 120
Introduction and Discussion Leader: Ryan Hili, University of Georgia

STUART SCHREIBER, HARVARD UNIVERSITY and BROAD INSTITUTE, HHMI
3:30 – 4:30 p.m. Keynote

4:30 – 6 p.m. Reception and final remarks by Richard Steet, University of Georgia

5:30 – 5:45 p.m. Meeting for P.I.s to discuss SECBS