2014 UC Berkeley Amgen Scholars Summer Research Program

Oral Presentations
Session One - Tuesday, August 5, 2014

Colin Gould
Brown University
Faculty Lab: Jeffrey Long, Ph.D.
Title: Formation and Characterization of a High Oxidation Metal-Oxo Species in a Manganese-Based Metal-Organic Framework
9:00 a.m.

Joseph Dennis
Hope College
Faculty Lab: Thomas Maimone, Ph.D.
Title: Investigations into the Ring-Opening and Functionalization of Cyclopropyl Amines
9:15 a.m.

Kaarin Evans
Macalester College
Faculty Lab: Richmond Sarpong, Ph.D.
Title: Synthesis of a Diterpenoid Alkaloid Analogue for Ion Channel Modulation
9:30 a.m.

Christopher McAtee (CCHF)
Lycoming College
Faculty Lab: Richmond Sarpong, Ph.D.
Title: Progress Toward the Total Synthesis of the Herbinoles and Trikentrins
9:45 a.m.

Aubrey Paris
Ursinus College
Faculty Lab: Christopher Chang, Ph.D.
Title: Metalloporphyrin-Containing Covalent Organic Frameworks in the Electrochemical Reduction of CO₂
10:00 a.m.

Amber Lott
Georgia Southern University
Faculty Lab: Felix Fischer, Ph.D.
Title: Synthesis of Atomically Defined Graphene Nanoribbons
10:15 a.m.

Jia Ji Lin
University of Alabama
Faculty Lab: Bryan McCloskey, Ph.D.
Title: Examining the Role of Lithium Nitrate in Li-O₂ Batteries Using Quantitative O₂ and Li₂O₂ Assays
10:30 a.m.

Taylor Barrett
Rochester Institute of Technology
Faculty Lab: Matt Francis, Ph.D.
Title: Synthesis of Small Molecules to Site-Selectively Modify the N-terminus of Proteins
11:00 a.m.

Benjamin Raliski
University of Massachusetts Amherst
Faculty Lab: Evan Miller, Ph.D.
Title: The Synthesis of Next-Generation Voltage Sensitive Dyes
11:15 a.m.

Derek J. Platt
Tennessee State University
Faculty Lab: Greg Barton, Ph.D.
Title: Gene Inhibition and Targeted Gene Knockout to Confirm the Role of C-type Lectin Receptors in Mediating Changes in Neutrophil Function
11:30 a.m.

Devin Stranford
The University of Tulsa
Faculty Lab: Laurent Coscoy, Ph.D.
Title: Infection of B Cells by Kaposi’s Sarcoma-Associated Herpesvirus Requires Cell-to-Cell Contact
11:45 a.m.

Johnathan Maza
The College of William & Mary
Faculty Lab: Sarah Stanley, Ph.D.
Title: Identification of Pathways that Lead to Aerobic Glycolysis during Bacterial Infection
12:00 noon

Royce Harner
University of California, Berkeley
Faculty Lab: Nipam Patel, Ph.D.
Title: Investigating the Role of TGF-beta Signaling in Germine Regeneration in an Amphipod
12:15 p.m.

Mohamad Ali Najia
Georgia Institute of Technology
Faculty Lab: Michael Eisen, Ph.D.
Title: Temperature-Dependent Developmental Variation within Wild Strains of D. melanogaster
12:30 p.m.

Ryan Muller (CRSB)
Arizona State University
Faculty Lab: Ming Hammond, Ph.D. and Don Rio, Ph.D.
Title: Development of Cas9 as a Tool for Targeted Regulation of Alternative Splicing
12:45 p.m.

Come and join us in supporting our Scholars and learn about their summer research!