

# Oral Presentations

Session Two- Wednesday, August 6, 2014



**Sarah McFann** 9:00 a.m.

University of Alabama, Tuscaloosa

**Faculty Lab:** Daniel Fletcher, Ph.D.

**Title:** Automated, Mobile, Tablet-Based Microscope for Imaging Growth and Behavior of 3D Culture Models of Breast Epithelial Cells



**Marianne Sleiman** 10:45 a.m.

University of Massachusetts Amherst

**Faculty Lab:** David Schaffer, Ph.D.

**Title:** Directed Evolution of Site-Specific Nucleases & Optimization of AAV Delivery Systems for Neurodegenerative Diseases



**Richard Murdock** 9:15 a.m.

University of Central Florida

**Faculty Lab:** Seung-Wuk Lee, Ph.D.

**Title:** Development of a Biomimetic Virus-Based Colorimetric Sensor for Bisphenol A Detection



**Gillie Agmon** 11:30 a.m.

University California, San Diego

**Faculty Lab:** Niren Murthy, Ph.D.

**Title:** Competitive Inhibitor for Enhanced CRISPR-Cas9 Precision



**Apurva Shah (HHMI)** 9:30 a.m.

University of Maryland, Baltimore County

**Faculty Lab:** Carlos Bustamante, Ph.D.

**Title:** Elucidating the Folding Pathways of Calcium-Binding Proteins



**Lydia Paziienza (CRSB)** 11:45 a.m.

University of Chicago

**Faculty Lab:** Jennifer Doudna, Ph.D.

**Title:** RNA Dynamics in the CRISPR-Cas9 Complex



**Vanessa Mackley** 9:45 a.m.

University of Maryland, Baltimore County

**Faculty Lab:** Danielle Tullman-Ereck Ph.D.

**Title:** Observing the Movement of Bacterial Microcompartments in *S. enterica*



**Emily Powers** 12:00 noon

Ithaca College

**Faculty Lab:** Nicholas Ingolia, Ph.D.

**Title:** Regulation of SR Protein Levels Through Ultra-Conserved Elements



**Joel Sanchez** 10:00 a.m.

University of California, Riverside

**Faculty Lab:** Wenjun Zhang, Ph.D.

**Title:** Heterologous Expression of Antimycins in *E. coli*



**Kelsie Rodriguez (CRSB)** 12:15 p.m.

California State University Monterey Bay

**Faculty Lab:** Jamie Cate, Ph.D.

**Title:** Role of Phosphorylation Sites of eIF3j Towards Its Stability and Effect on Cell Proliferation in *Neurospora crassa* and Human Cells



**Ivan Kuznetsov** 10:15 a.m.

Johns Hopkins University

**Faculty Lab:** John Dueber, Ph.D.

**Title:** Applying Mutant Enzymes for Increased Xylose Utilization in *Saccharomyces cerevisiae*



**Joshua D. Garcia** 12:30 p.m.

The University of New Mexico

**Faculty Lab:** Andrew Dillin, Ph.D.

**Title:** The Biochemical Analysis of Proteostasis in Aging Mitochondrial Proteomes



**Lee Korshoj** 10:30 a.m.

University of Nebraska, Lincoln

**Faculty Lab:** Jay Keasling, Ph.D.

**Title:** Post-translational Reconstitution of 6-Deoxyerythronolide B Synthase Expressed in *Escherichia Coli* Using Split Inteins



**Jolie Carlise** 12:45 p.m.

University of California, Berkeley

**Faculty Lab:** Michael Shapira, Ph.D.

**Title:** Characterization of the Age-Dependent Reversal in the Protective Capacity of KGB-1 Expression in *Caenorhabditis elegans*

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