

# Oral Presentations

Session One - Wednesday, August 3, 2011



**Mark Levin**

University of Rochester

**Faculty Lab:** F. Dean Toste, Ph.D.

**Title:** Synthesis and Application of a Chiral Spirocyclic Metal-Phosphate Catalyst System

9:00 a.m.



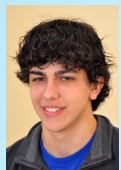
**James Byers**

Indiana University

**Faculty Lab:** Gary Firestone, Ph.D.

**Title:** Phytochemical Regulation of Cyclin A in Breast Cancer

11:00 a.m.



**Rodolfo M. Torres-Gavosto** 9:15 a.m.

University of Kansas

**Faculty Lab:** Stephen R. Leone, Ph.D.

**Title:** Excitation Intensity Dependence of CdSe/ZnS Quantum Dot Intermittency in TPD and PMMA



**Sarena Horava** 11:15 a.m.

University of Massachusetts, Amherst

**Faculty Lab:** Danielle Tullman-Ercek, Ph.D.

**Title:** Engineering Bacterial Microcompartments for Designing Bionanoreactors



**Tara Pesce** 9:30 a.m.

Columbia University

**Faculty Lab:** Richmond Sarpong, Ph.D.

**Title:** Streamlining the Early Stages of the Total Synthesis of the Lycopodium Alkaloid (-)-Magellanine



**Melissa Hoyer** 11:30 a.m.

University of Wyoming

**Faculty Lab:** Qing Zhong, M.D., Ph.D.

**Title:** Deciphering Autophagy Initiation by Linking PI3KC3 and ULK1



**Erica D'Amato** 9:45 a.m.

Boston University

**Faculty Lab:** Richmond Sarpong, Ph.D.

**Title:** Efforts Toward Lyconadin A Analog Synthesis for the Study of Oxidative Carbon-Nitrogen Bond Formation in Lycopodium Alkaloids



**Anthony Venida** 11:45 a.m.

University of Maryland, Baltimore County

**Faculty Lab:** Kevin Hybiske, Ph.D.

**Title:** Functional Role of Extrusion in Chlamydia Pathogenesis



**Rebecca Triano** 10:00 a.m.

Fordham University

**Faculty Lab:** T. Don Tilley, Ph.D.

**Title:** Working Toward the Synthesis of Diphosphino Amido Cyclohexyl Ligands for Catalysis of Sigma-Bond Metathesis



**Annalise Petriello** 12:00 p.m.

University of California, Berkeley

**Faculty Lab:** Brian J. Staskawicz, Ph.D.

**Title:** Optimizing the Determination of TALE DNA-Binding Specificity to Aid in Cassava Disease Resistance



**Samouil Farhi** 10:15 a.m.

University of California, Berkeley

**Faculty Lab:** Christopher J. Chang, Ph.D.

**Title:** Insulin Induces a Cytosolic Copper Release from 3T3-L1 Adipocytes in a PI 3-Kinase Dependent Manner



**Elizabeth Calzada** 12:15 p.m.

University of Texas, El Paso

**Faculty Lab:** Bruce Ames, Ph.D.

**Title:** Diabetes Inducing Effects of Gut Bacteria are Associated with Reduction in Biomarkers of Energy Metabolism and Immune Response in Visceral Adipose



**Matthew Draelos** 10:30 a.m.

North Carolina State University

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

**Title:** Biophysical Characterization of the Sigma54 Core Binding Domain



**Matthew T. Kapelewski** 12:30 p.m.

The Pennsylvania State University

**Faculty Lab:** Jeffrey R. Long, Ph.D.

**Title:** Carbon Dioxide Adsorption in Amine Functionalized Metal-Organic Frameworks