Future Faculty Symposium

24 August 2018

Pfizer Lecture Hall

Lower Level, Mallinckrodt Labs

8:30 – 9:00 a.m. Breakfast

9:00 a.m. Laura Ackerman, Princeton University

“Direct Transformation of Alkanes to Esters and Ketones Using Ni and

Photoredox Catalysis”

9:30 a.m. Ekaterina “Katya” Vinogradova, The Scripps Research Institute

“An integrated chemical proteomic and phenotypic screening approach to

discover and mechanistically characterize new immunomodulatory compounds”

10:00 a.m. Ling Chu, Yale University

“Part I: Development of Palladium-catalyzed C-H iodination reactions;

Part II: Two-color long time-lapse super-resolution imaging using lipid probes”

10:30 a.m. Coffee Break

11:00 a.m. Eric Welin, California Institute of Technology

“Enantioselective Total Synthesis of (–)-Jorumycin Enabled by Modern Catalysis”

11:30 a.m. Amy Weeks, University of California, San Francisco

“New chemoenzymatic tools for dissecting proteolytic signaling pathways”

12:00 noon Lunch

2:00 p.m. Marissa Weichman, JILA, University of Colorado, Boulder

“Rotationally-Resolved Infrared Frequency Comb Spectroscopy of the C60

Fullerene"

2:30 p.m. Valerie Vaissier Welborn, University of California, Berkeley and

Lawrence Berkeley National Laboratory

“Multiscale Models for Condensed Phase Dynamics”

3:00 p.m. Luigi de Marco, JILA, University of Colorado, Boulder

“Ultracold, Fermi Degenerate Molecules: Controlling Chemistry with Quantum

Statistics"

3:30 p.m. Coffee Break

4:00 p.m. Brooke Husic, Stanford University

"Interpreting atomistic protein folding simulations with objective and robust

coarse-graining methods”

4:30 p.m. Dianne Xiao, Stanford University

“Hydrocarbon Functionalization in Porous Materials”

5:00 – 6:00 p.m. Departmental Reception