



ACS Fall 2023 Meeting

2023 WCC MERCK RESEARCH AWARDS SYMPOSIUM

HYBRID MEETING

SUNDAY, AUGUST 13, 2023 • 8:00 A.M. – 12:00 P.M. PT
HILTON PARC 55 • CYRIL MAGNIN II • SAN FRANCISCO, CA

Organizers: Ana Arteaga and Despina Strong • *Presiders:* Yeon-Hee Lim and Despina Strong



MIKAELA DIBELLO



ALYAH CHMIEL



MANXI YANG



EMILY WEARING



AMANDA GRABOSKI



ERIN DIMAURO



CHRISTINE HAMADANI



AISHANEE SUR



VIVIAN ZHANG

8:00 am **Introductory Remarks**

8:05 am **Total synthesis of the monomeric unit of lomaiviticin A and studies towards the dimeric natural product**

Mikaela DiBello, Yale University

8:25 am **Potent Photoreductants for Organic Synthesis**

Alyah Chmiel, University of Wisconsin

8:45 am **Imaging of proteoforms in biological tissues using ambient ionization mass spectrometry with cellular-level spatial resolution**

Manxi Yang, Purdue University

9:05 am **Overcoming Limitations in Visible-Light-Mediated aza Paternò-Büchi Reactions**

Emily Wearing, University of Michigan

9:25 am **Discovery and characterization of a gut microbial tryptophanase inhibitor to ameliorate chronic kidney disease**

Amanda Graboski, University of North Carolina at Chapel Hill

9:45 am **Intermission**

9:55 am **Reflections on career journey and case studies from Merck Discovery efforts towards treating neurodegenerative diseases**

Erin DiMauro, Merck

10:45 am **Investigation of Linear-Dendritic Block Copolymers (LDBC) assembly with biocompatible ionic liquids for selective red blood cell hitchhiking in situ**

Christine Hamadani, The University of Mississippi

11:05 am **Zr-based porous-salt thin films: A new platform for heterogeneous photochemistry and in operando kinetic monitoring**

Aishanee Sur, Texas A&M University

11:25 am **Tailoring Dynamic Hydrogels by Controlling Associative Exchange Rates**

Vivian Zhang, Northwestern University

11:45 pm **Concluding Remarks**



Merck is acknowledged for its support of the WCC Merck Research Awards program

WCC Chair:
Amy M. Balija

WCC Program Chair:
Danniebelle Haase

Visit www.acswcc.org for more information about the Women Chemists Committee or send an email to WCC@acs.org