

Protein Arginine Methylation in Physiology and Disease

Wednesday, February 15, 2023

Conference Organizers: Wei Xu, PhD., Marian A Messerschmidt Professor in Cancer Research, and Peter Lewis, PhD., Associate Professor of Biomolecular Chemistry, University of Wisconsin-Madison, Madison, WI

**Schedule subject to change. All speakers will present live. Recording will not be available after the meeting.*

Time (ET)	Agenda
10:00 am – 10:10 am	FASEB Welcome & Organizer Welcome
10:10 am – 11:50 am	Morning Session Moderator: Lixin Rui, University of Wisconsin-Madison, Madison, WI
10:10 am – 10:50 am	Keynote Lecture: “CARM1 Methylation of NFIB as a Therapeutic Target” Mark Bedford, University of Texas MD Anderson Cancer Center, Houston, TX
10:50 am – 11:20 am	“Regulation of RNA Processing by Arginine Methylation” David Shechter, Albert Einstein College of Medicine, New York, NY
11:20 am – 11:50 pm	“Novel Inhibitors and Degradors of PRMTs” Jian Jin, Icahn School of Medicine at Mount Sinai, New York, NY
11:50 am – 12:05 pm	Break
12:05 pm – 2:45pm	Afternoon Session Moderator: Rong Huang, Purdue University, West Lafayette, IN
12:05 pm – 12:20 pm	“Therapeutic Targeting of PRMT5 in CDKN2A/MTAP Null Cancers” Kathleen Mulvaney, Children’s National Research and Innovation Campus, Washington, DC
12:20 pm – 12:35 pm	“Targeting CARM1 in Human Breast Cancer” Megan Bacabac/Xu lab, University of Wisconsin-Madison, Madison, WI
12:35 pm – 12:50 pm	“Chemical Interrogation of Protein Arginine Methylation” Mingkui Luo, Memorial Sloan Kettering Cancer Center, New York, NY
12:50 pm – 1:05 pm	“PRMT1 Expands a Subpopulation of Megakaryocytes with Immune Response Gene Signature” Xinyang Zhao, University of Alabama at Birmingham, Birmingham, AL
1:05 pm – 1:20 pm	“The Effect of Oligomerization in PRMT1 Catalysis” George Zheng, University of Georgia, Athens, GA
1:20 pm – 1:35 pm	“Inactivation of PRMT1 ameliorates cardiac fibrosis via repressing SRF function during fibroblast-to-myofibroblast conversion” Jian Xu, University of Southern California, Los Angeles, CA

FASEB Catalyst CONFERENCES

1:35 pm – 1:50 pm	<i>“Arginine Methylation-mediated Splicing Regulation through pre-mRNA Anchoring Site”</i> Yanzhong Yang, City of Hope, Duarte, CA
1:50 pm – 2:05 pm	<i>“Arginine Methylation in Normal and Malignant Germinal Center B cells”</i> Margarida Santos, University of Texas MD Anderson Cancer Center, Houston, TX
2:05 pm – 2:35 pm	<i>“CARM1 Phosphorylation Promotes Its Overall Activity and Its Selection of Substrates”</i> Stephen Nimer, University of Miami, Coral Gables, FL
2:35 pm – 2:45 pm	Organizer’s Closing Remarks