



2024 Sanford Burnham Prebys Symposium

The Hilton Torrey Pines
(Fairway Ballroom)
10950 N. Torrey Pines Road, La Jolla CA 92037

Friday, October 18, 2024

Time	Speaker
8:00 am - 9:00 am	Registration and continental breakfast
9:00 am - 9:05 am	WELCOME by Jerold Chun, M.D, Ph.D.
SESSION I Moderated by Deron Herr, Ph.D. (SBP)	
9:05 am - 9:30 am	Matt Buczynski, Ph.D. Assistant Professor Virginia Tech School of Neuroscience “Druggable Lipid Targets for Treating Chronic Pain”
9:35 am - 10:00 am	Daniele Piomelli, Ph.D. Director, Center for the Study of Cannabis Distinguished Professor, Anatomy & Neurobiology UC, Irvine “NAAA-regulated lipid signaling controls the transition to pain chronicity”
10:05 am -10:30 am	Justin K. Ichida, Ph.D. Associate Professor, Stem Cell Biology and Regenerative Medicine Professor, Regenerative Medicine John Douglas French Alzheimer's Endowed Keck School of Medicine, USC “PIKFYVE inhibition mitigates disease in models of diverse forms of ALS”
10:30 am - 10:50 am	BREAK
SESSION II Moderated by Peter Mullen, Ph.D. (USC)	
10:50 am -11:15 am	Evan Lien, Ph.D. Assistant Professor Department of Metabolism and Nutritional Programming Van Andel Institute “Lipid availability influences cancer cell metabolism and therapy responses”



Time	Speaker
11:20 am - 11:45 am	<p>Brooke Emerling, Ph.D. Program Director and Associate Professor Cancer Metabolism and Microenvironment Program Sanford Burnham Prebys</p> <p>“Linking Phosphoinositide Signaling to Lysosomal Cholesterol Trafficking”</p>
11:50 am -12:15 pm	<p>Wonhwa Cho, Ph.D. Professor of Chemistry University of Illinois at Chicago</p> <p>“Cholesterol and cancer: New mechanisms and therapy”</p>
12:15 pm - 1:30 pm	LUNCH - Fairway Garden
SESSION III Moderated by Caroline Kumsta, Ph.D. (SBP)	
1:30 pm - 1:55 pm	<p>L. Ashley Cowart, Ph.D. Professor Lipidomics Core Facility Virginia Commonwealth University</p> <p>“Atypical Sphingolipids and Their Critical Functions in Cell Energy Metabolism”</p>
2:00 pm - 2:25 pm	<p>Richard Leonard Proia, Ph.D. Senior Investigator Genetics & Biochemistry Branch, NDDK NIH</p> <p>“Sphingolipid Metabolism, Neurodegeneration, and Therapeutic Strategies”</p>
2:30 pm - 2:55 pm	<p>Alan Saghatelian, Ph.D. Professor, Peptide Biology Dr. Frederik Paulsen Chair Salk Institute</p> <p>“Discovery of Lipids via Lipidomics”</p>
3:00 pm – 3:25 pm	<p>Judith Simcox, Ph.D. Assistant Professor Department of Biochemistry University of Wisconsin-Madison</p> <p>“Regulation of energy expenditure by plasma lipid signaling”</p>
3:25 – 3:45 pm	BREAK



Time	Speaker
SESSION IV	
Moderated by Victoria Blaho, Ph.D. (SBP)	
3:45 – 4:05 pm	<p>Fikadu G. Tafesse, Ph.D. Associate Professor Molecular Microbiology and Immunology Oregon Health & Science University</p> <p>“Lipids and infection”</p>
4:10 – 4:30 pm	<p>BLITZ POSTER TALKS – Moderated by Ryan Loughran, Ph.D.</p> <p>Sunil Pulletikurti, Ph.D. Postdoctoral Researcher The Scripps Research Institute “An Emergence of Prebiotically Plausible Phospholipids and their Physical Stability”</p> <p>Arjana Begzati Graduate Student UCSD “Circulating Diacylglycerol and Phosphatidylcholine Species and the Risk of Type 2 Diabetes”</p> <p>Karl Wessendorf-Rodriguez Graduate Student UCSD “Modeling Compound Lipid Homeostasis Using Stable Isotope tracing”</p> <p>Gabriele Guarnaccia Graduate Student Sanford Burnham Prebys “Skeletal Muscle is Involved Fatty Acid Metabolism Dysregulation in Cancer Cachexia”</p>
4:35 – 5:20 pm	<p>Introduction to Keynote by Victoria Blaho, Ph.D. KEYNOTE:</p> <p>Judith Varner, Ph. D. Professor, Pathology and Medicine Director, Faculty Mentoring for Department of Pathology University of California, San Diego</p> <p>“Phosphatidyl Inositol Kinases in the regulation of immune responses”</p>
5:25 pm	CLOSING REMARKS by Brooke M. Emerling, Ph.D.
5:30 – 7:00 pm	POSTER SESSION and RECEPTION - Fairway Terrace