

SCIENTIFIC PROGRAM

SESSION LECTURE

No.15

Structural Biology
Room:Peacock Room 1

Co-Chairs:
H.Eric Xu



Xiaochun Li



Day 2 October 20th (Sunday) 14:00 – 17:30

Time	Speaker	Title
14:00-14:30	Xiaochun Li University of Texas Southwestern Medical Center, USA	Structural Insights into Human Phosphatidylserine Synthase 1 and How Its Inhibition Triggers SREBP Activation
14:30-15:00	Patrick M. Sexton Monash University, Australia	Molecular Insights into GLP-1 Receptor Function
15:00-15:30	H. Eric Xu Shanghai Institute of Material Medica, CAS, China	GPCR Signaling and Biased Ligands
15:30-16:00	Tea Break	
16:00-16:30	Pu Gao Institute of Biophysics, CAS, China	Innate Immunity on Nucleic Acids: Signaling and Regulation
16:30-17:00	Yihua Huang Institute of Biophysics, CAS, China	How Polysaccharides are Translocated Across Membranes in Gram-Negative Bacteria
17:00-17:30	Ming-Wei Wang Research Center for Deepsea Bioresources (Sanya), China	Weight Loss “Blockbuster” Development: A Role for Unimolecular Polypharmacology



H. Eric Xu

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PhD, Professor, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai, China; Deputy Director of State Key Laboratory of Drug Research; Founding Director of Center for Structure and Function of Drug Targets, Shanghai Institute of Materia Medica, Chinese Academy of Sciences. Research in his group covers structures and drug discovery of nuclear hormone receptors, hepatocyte growth factor and its receptor Met tyrosine kinase, Gprotein coupled receptors, and plant hormones.



Xiaochun Li

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Dr. Xiaochun Li is currently an Associate Professor and a Rita C. and William P. Clements, Jr. Scholar in Biomedical Research in the Department of Molecular Genetics at UT Southwestern Medical Center. His research group focuses on membrane proteins involved in lipid biogenesis, transport, and signaling. He is particularly interested in novel approaches to lowering blood cholesterol by regulating phospholipid metabolism.



Yihua Huang

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Ph.D., Senior Principle Investigator, Institute of Biophysics, Chinese Academy of Sciences. Research in the Huang lab focuses on molecular mechanisms underlying outer membrane biogenesis in Gram-negative bacteria and how polysaccharides are translocated across membranes in Gram-negative bacteria.



Patrick M. Sexton

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Patrick Sexton is a NHMRC Leadership Fellow and Director, ARC Centre for Cryo-electron Microscopy of Membrane Proteins based within the Drug Discovery Biology theme, Monash Institute of Pharmaceutical Sciences. Research in his laboratory focuses on molecular understanding of G protein-coupled receptor (GPCR) structure and function. His laboratory has a particular interest in class B1 peptide hormone GPCRs that include the clinically important incretin receptors



Pu Gao

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PhD, Professor of Biochemistry and Molecular Biology at the Institute of Biophysics, Chinese Academy of Sciences. The primary scientific interest of the Gao lab has been to understand the immune response and regulatory principles of host cells (mammalian cells and bacteria) to aberrant nucleic acid signals, and to exploit the potential for the development of novel therapies and useful biological tools.



Ming-Wei Wang

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Pharmacologist and Director of Research Center for Deepsea Bioresources (Sanya), Hainan, China. He is also Chair Professor at School of Basic Medical Sciences, Fudan University, Shanghai, China. Dr. Wang is known for his long-time structural and functional studies on class B1 GPCRs, including GLP-1R, GIPR and GCGR. His discovery of the first nonpeptidic GLP-1R agonist (Boc5) with experimental therapeutic efficacy in vivo laid the foundation for numerous small molecule GLP-1 mimetics currently under clinical development worldwide.