S	ymposium on	Structural	Biology	and	Immunity
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in celebration of the fast-advancing field and 27 years of the Hao Wu lab

Co-organized by Qian Yin, Tianmin Fu, PCMM and BCMP April 26th, 2024, 9:00 am – 6:00 pm

Folkman Auditorium, Boston Children's Hospital Enders Building, 320 Longwood Ave, Boston, MA 02115

8:30 – 8:50 am	Registration					
8:30 – 9:00 am	Opening picture video					
9:00 – 9:05 am	Opening Speech – Qian Yin					
9:05 – 9:10 am	Opening Remarks – Fred Alt (PCMM Director; Charles A.					
	Janeway Professor of Pediatrics, HMS; HHMI)					
9:10 – 9:15 am	Welcome video					
Section 1: Structural Biology on Membrane Proteins (Chair: Roberto Negro)						
9:15 – 9:30 am	Yihua Huang (Principal Investigator, IBP-CAS); "Outer					
	membrane biogenesis in Gram-bacteria and beyond"					
9:30 - 9:45 am	Wei Mi (Asst Prof, Yale Univ.); "Regulatory mechanisms of					
	lipopolysaccharide synthesis in Escherichia coli"					
9:45 – 10:00 am	Qian Yin (Asso Prof, FSU); "Assembly chaperones in					
	membrane trafficking of immune mediators"					
10:00 – 10:15 am	Alexander Tong (Postdoc, UC Berkeley); "A trailing ribosomes					
	speeds up RNA polymerase via force and allostery"					

Steve Damo (Prof, Fisk Univ.); "Resisting zinc toxicity-how

Coffee Break 10:30 - 10:45 am

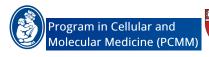
10:15 - 10:30 am

Section 2: Inflammasome and Pyroptosis (Chair: Gunes Bozkurt)

GBS ascends the reproductive tract"

Section 2. Initialifinasonie and Fyroptosis (Chair: Guiles Bozkurt)					
Liman Zhang (Asst Prof; OHSU); "Navigating sensitivity and					
stability: Exploring the structural basis of the NAIP/NLRC4					
pathway"					
Jixi Li (Prof, Fudan Univ); "Cell death in neurodegenerative					
diseases"					
Ryan Ferrao (Sr Res Scientist II, Gilead); "The role of modern					
structural biology in drug discovery"					
Xing Liu (Principal Investigator, SIII-CAS); "Inflammasome-					
independent pyroptosis"					
Shiyu Xia (Postdoc, Caltech); "Programmable control of cell					
death and immunity)					

1	2:00 – 12:15 pm	Jianbin Ruan (Asst Prof, UConn); "Gasdermin pores: The Guardians in Host Defense"				
1	2:15 – 12:30 pm	Setu Vora (Sr Scientist, Evolved By Nature); "GSDMD agonism to induce antitumor immunity"				
1	2:30 – 1:20 pm	Lunch, outside Folkman Auditorium				
Section 3: Evolutionary Immunity (Chair: Ermelinda Damko)						
1	:20 - 1:35 pm	Longfei Wang (Prof, Wuhan Univ); "Immune signaling of bacterial anti-phage defense systems"				
1	:35 – 1:50 pm	Hyun Ho Park (Prof, Chung-Ang Univ); "A journey to find novel strategies for CRISPR-Cas regulation"				
1	:50 – 2:05 pm	Wenjun Xie (Asst Prof, U of Florida); "Advancing enzymology with generative Al-based sequence analysis"				
2	2:05 – 2:20 pm	Bobby Hollingworth (Postdoc, HMS); "Spatiotemporal				
5		regulation of the NLRP3 inflammasome"				
2	2:20 – 2:35 pm	Tian-Min Fu (Asst Prof, OSU); "My adventure at OSU"				
32	2:35 – 2:50 pm	Tongpil Min (Founder, PonderEd); "The process of brain development & differences in thinking processes"				
9	Section 4: Scientif	ic Publications (Moderator: Tianmin Fu)				
	2:50 – 3:05 pm	Steve Mao (Chief Editor, Cancer Cell); "Navigating the future of scientific publishing with Cell Press"				
3	3:05 – 3:20 pm	Jia Cheng (Editor, Cell); "Communicating your science, and publishing with Cell Press"				
8	3:20 – 3:30 pm	Coffee break				
4	Section 5: Careers	beyond Academia (Moderator: Qian Yin)				
	3:30 – 3:50 pm	Panel discussion (Panelist: Alvin Lu/Li Wang/Qi Qiao/Gunes Bozkurt/Setu Vora/Ryan Ferrao/Tongpil Min/Hong Ye)				
Keynote Speech (Chair: Venkat Magupalli)						
	3:50 – 4:40 pm	Zhijian "James" Chen (George L. MacGregor Distinguished Chair in Biomedical Science UTSW; HHMI); TBA				
(Closing Remarks					
	1:40 – 4:45 pm	Steve Blacklow (Gustavus Adolphus Pfeiffer Professor of BCMP, HMS)				
	1:45 – 5:00 pm	Hao Wu (Asa and Patricia Springer Professor of Structural Biology, PCMM and HMS)				
Reception and Dinner						
5	5:00 – 6:00 pm	Reception outside Folkman Auditorium				
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6:00 - 9:00 pm



Dinner, by invitation only