

2022 (19th) Annual SER-CAT Structural Biology Symposium October 20, 2022

Eastern Time	Virtual Events, Session Chairs and Speakers	
8:50 - 9:00 am (10m)	Log in	
9:00 - 9:05 am (5 m)	Welcome	B.C. Wang, UGA
9:05 - 9:15 am (10 m)	Opening Remarks	Karen JL Burg, UGA
9:15 - 9:25 am (10 m)	Opening Remarks	Susan Shows & Mike Cassidy, GRA
SESSION 1	Interesting Structures & Methods - 1	Session Chair: John Chrzas
9:25 - 9:50 am (25 m)	Towards an HIV-1 vaccine: 20+ years of SER-CAT!	Peter Kwong, NIH/VRC [E]
9:50 - 10:15 am (25 m)	The writer, reader and eraser of DNA methylation marks, a journey together with SERCAT	Xiaodong Cheng, MD Anderson
10:15 - 10:40 am (25 m)	The SER-CAT Virtual Beamline: Providing light when YOU need it in your home lab	Zhongmin Jin, SER-CAT/UGA
10:40 - 10:45 am (5m)	Break	
	Interesting Structures & Methods- 2	Session Chair: Zhongmin Jin
10:45- 11:10 am (25 m)	Insights into O antigen polysaccharide secretion - Substrate-bound conformations of the WzmWzt ABC transporter	Jochen Zimmer, UVA
11:10 - 11:35 am (25 m)	AlphaFold2 is Now Available at SER-CAT, Complementing Your Crystallographic Analyses and Function Research	Albert Fu, SER-CAT/UGA
11:35 - 12:00 pm (25 m)	Introduction to the NYX beamline at NSLS-II	Kevin Battaile, NYX/BNL
12:00 - 12:25 pm (25 m)	SER-CAT Operations and Dark Period/Upgrade	John Rose & John Chrzas, UGA
12:25 - 1:20 pm (55 M)	Lunch Break and Poster Session	
1:20 -1:25 pm (5 m)	Log In	
SESSION 2	APS and SER-CAT	Session Chair: John Rose
1:25 - 1:30 pm (5 M)	Introducing APS Representative	B.C. Wang, UGA
1:30 - 2:00 pm (30 m)	The Upcoming APS Upgrade	Denny Mills, APS/ANL
2:00 - 2:30 pm (30 m)	Structural insights into immune recognition in cancer immunology and immunotherapy	Brian Baker, Notre Dame Outstanding Science Award Winner
2:30 - 2:55 pm (25 m)	Transcriptional repression of the hig toxin-antitoxin locus by the HigBA toxin-antitoxin complex	Ian Pavelich, Emory Young Investigator Award Winner
2:55 -3:20 pm (25 M)	Introduction to the Southeastern Center for Microscopy of Macromolecular Machines at FSU	Scott Stagg, FSU
3:20 - 3:30 pm (10 m)	Break	
SESSION 3	20 Years of Light When You Need It	Session Chair: B.C. Wang
3:30 - 3:55 pm (25 M)	Impact of the SER-CAT membership on structural biology research within the Intramural Research Program of the NIH	Alex Wlodawer, NIH/NCI [E]
3:55 - 4:20 pm (25 M)	Construction of SER-CAT Beamlines - My 7th Beamline Project	Gerold Rosenbaum, UGA
4:20 - 4:45 pm (25M)	SER-CAT's Beginning, Support and Impact - Thank You All	B.C. Wang, UGA
4:45 - 4:50 pm (5 m)	Break	
SESSION 4	Poster Session Highlights	Session Chair: Palani Kandavelu
4:50 - 5:15 pm (25 m)	Mechanism of Peptide Exchange of MHC-I Complex in Antigen Presentation	Jiansheng Jiang, NIH/NIAID
5:15 -5:30 pm (10 m)	Closing Remarks	John Rose, UGA