

NCCAT 2021 Virtual Tomography Short Course April 12-14 Flash Talk Speakers

Presentation order	Speaker	Institution	Title
1	Stefan Petrovic	California Institute of Technology	Linker proteins tie the Nuclear Pore together
2	Daniel Mann	Forschungszentrum Juelich, Ernst-Ruska Centre 3	Macromolecular organization of membrane-associated Atg18 oligomers
3	Giulia Paris	University of Cambridge	Structural studies of the membrane-bound RNA degradosome of E.coli
4	Nadia Herrera	University of California, San Francisco	Investigation of the ultrastructural dynamics of the mycobacterial ESX-1 complex
5	Shannon Kordus	Vanderbilt University Medical Center	Understanding toxin secretion in Clostridioides difficile
6	Emily Armbruster	CUNY Advanced Science Research Center	Interactions and Structure of Ryanodine Receptor Clustering on the Sarcoplasmic Reticulum of Cardiac Muscle
7	Angela Kirykowicz	University of Cambridge	Structure and function of the Type I secretion system transport machine in its cellular context
8	Gabriela Condezo	Spanish National Center for Biotechnology	Towards 3D visualization of virus assembly in the cell
9	Kelli Hvorecny	University of Washington	Divergent Actin and a Lamellipodium-Like Structure in Giardia
10	Nadav Elad	Weizmann Institute	Structure of SARS-CoV-2 RBD bearing contagious mutation in complex with ACE2
11	Mark Kreutzberger	University of Virginia	Visualizing compressional distortions of the supercoiled bacterial flagellar filament in a thin layer of ice
12	Hong Zhan	University of Wisconsin-Madison	Deciphering the nano-machinery of RNA viral replication using Cryo-EM subtomogram averaging
13	Madhumati Sevvana	Purdue University	Towards high resolution structural virology for therapeutics development
14	Jae Yang	University of Wisconsin-Madison	Studying in-situ viral infection with multi-modal cryogenic correlative FLM-FIB/SEM-ET and CorRelator
15	Sagar Khavnekar	Max Planck Institute of Biochemistry	Algorithms, TEMs, and DualBeams... Making the most out of time left after coffee, beer, and whisky.