



Future Stars in Cryo-EM

an MCW Cancer Center-sponsored Symposium
April 21 ~ 11:00—3:00 ~ Via Zoom



<https://mcw-edu.zoom.us/j/94011844375?pwd=SVAwUVFrTm14dzU3TERUWkJOQWNiZz09>

SCHEDULE

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|---------------|---|---|
| 11:00 - 11:05 | Welcome | Dawn Wenzel, PhD Asst Professor, MCW Biochemistry |
| 11:05 - 11:15 | Cryo-EM Plans for MCW | Gustavo Leone, PhD Director, MCW Cancer Center |
| 11:15 - 11:45 | Keynote Address, Probing the Structure and Assembly of Viruses with Cryo-Electron Tomography | Elizabeth R. Wright, PhD University of Wisconsin - Madison |
| 11:45 - 12:00 | Q&A | |
| 12:00 - 12:15 | Function of the Cdc48 ATPase in protein degradation | Zhejian Ji, PhD Harvard Medical School |
| 12:15 - 12:20 | Q&A | |
| 12:20 - 12:35 | Structural insights into G-protein coupled receptor activation | Kaavya Krishna Kumar, PhD Stanford University |
| 12:35 - 12:40 | Q&A | |
| 12:40 - 12:55 | Cryo-EM Analysis of Human T-Cell Leukemia Virus Particles | Nathaniel Talledge, PhD University of Minnesota-Twin Cities |
| 12:55 - 1:00 | Q&A | |
| 1:00 - 1:20 | Break | |
| 1:20 - 1:35 | A Sticky Situation: How Glycosylation Modulates the Structure and Dynamics of Viral Spike Proteins | Zachary T. Berndsen, MS, PhD The Scripps Research |
| 1:35 - 1:40 | Q&A | |
| 1:40 - 1:55 | Rational Design of Vaccines and Therapeutic Antibodies through Cryo-EM | Jason Gorman, PhD National Institute of Allergy and Infectious Diseases, NIH |
| 1:55 - 2:00 | Q&A | |
| 2:00 - 2:15 | Frozen in Action: ATPase proteases under the electron microscope | Cristina Puchades, PhD University of California, San Francisco |
| 2:15 - 2:20 | Q&A | |
| 2:20 - 2:30 | Closing Remarks | Dawn Wenzel, PhD Asst Professor, MCW Biochemistry |