

Future Stars in Cryo-EM II

an MCW Cancer Center-sponsored Symposium
June 16 ~ 11:00—3:00 ~ Via Zoom

<https://mcw-edu.zoom.us/j/98367220924?pwd=THlUmtjWWVndGdOeIU5VIBUVIZ2QT09>

The MCW Cancer Center in partnership with basic science departments
have committed to expand strengths in

Structural and Chemical Biology

and will host a virtual symposium with an emphasis on cryo-EM
featuring a keynote speaker and 6 accomplished young investigators



Keynote Address: *Mitochondrial Fission: Structure, Function and Cancer Implications*

Jason A. Mears, PhD

Associate Professor, Department of Pharmacology,
School of Medicine, Case Western Reserve University
Member, Molecular Oncology Program
Case Comprehensive Cancer Center

Future Stars Presenters:

- Qiuyan Chen, PhD
Postdoctoral Research Fellow, Purdue University
Structures of rhodopsin in complex with G protein-coupled receptor kinase 1
- Clarissa Durie, PhD
Postdoctoral Research Fellow, University of Michigan
Structural analysis of Legionella pneumophila Dot/Icm type IV secretion system core complex
- Jon Fay, PhD
Assistant Professor, University of North Carolina at Chapel Hill
Structure and dynamics of membrane proteins
- John Janetzko, PhD
Postdoctoral Fellow, Stanford University
Understanding the molecular mechanisms of GPCR recognition by β -arrestin
- Daniel Kober, PhD
Postdoctoral Fellow, UT Southwestern Medical Center
Scap structures identify key role for rotation of intertwined luminal loops in cholesterol regulation
- Rie Nygaard, PhD
Associate Research Scientist, Columbia University
Structural basis of Wnt secretion by its carrier WLS



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SCHEDULE

11:00 - 11:10	<i>Welcome and Cryo-EM Plans for MCW</i>	Gustavo Leone, PhD Director, MCW Cancer Center
11:10 - 11:40	<i>Keynote Address, Mitochondrial Fission: Structure, Function and Cancer Implications</i>	Jason Mears, PhD Case Western Reserve University
11:40 - 11:50	Q&A	
11:50 - 12:10	<i>Structures of rhodopsin in complex with G protein-coupled receptor kinase 1</i>	Qiuyan Chen, PhD Purdue University
12:10 - 12:15	Q&A	
12:15 - 12:35	<i>Structural analysis of Legionella pneumophila Dot/Icm type IV secretion system core complex</i>	Clarissa Durie, PhD University of Michigan
12:35 - 12:40	Q&A	
12:40 - 1:00	<i>Structure and dynamics of membrane proteins</i>	Jon Fay, PhD University of North Carolina at Chapel Hill
1:00 - 1:05	Q&A	
1:05 - 1:15	Break	
1:15 - 1:35	<i>Understanding the molecular mechanisms of GPCR recognition by β-arrestin</i>	John Janetzko, PhD Stanford University
1:35 - 1:40	Q&A	
1:40 - 2:00	<i>Scap structures identify key role for rotation of intertwined luminal loops in cholesterol regulation</i>	Daniel Kober, PhD UT Southwestern Medical Center
2:00 - 2:05	Q&A	
2:05 - 2:25	<i>Structural basis of Wnt secretion by its carrier WLS</i>	Rie Nygaard, PhD Columbia University
2:25 - 2:30	Q&A	
2:30	Closing Remarks	Dawn Wenzel, PhD Medical College of Wisconsin
2:30 - 3:00	<i>Break-out Sessions (use individual Zoom links)</i>	