



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

2023 BIOPHYSICS COLLOQUIUM

Wisconsin Institute for Discovery – DeLuca Forum
Monday, September 25, 2023

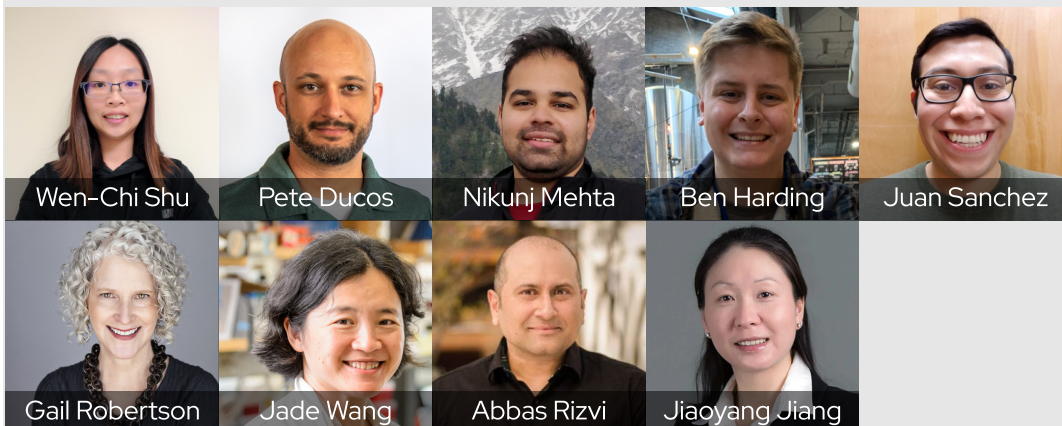
MORNING SESSION

- 10:00 – 10:15 Welcome
- 10:20 – 10:40 **Wen-Chi Shu** (Jackson Lab) "Multiple Spiking Behaviors in Granule Cells: Unraveling the Impact of Prior Experience with Voltage Imaging"
- 10:45 – 11:15 **Abbas Rizvi** (Neuroscience) "Identifying Complex Cellular Communities in the Adult Human Spinal Cord"
- 11:20 – 11:40 **Pete Ducos** (Grant Lab) "A 3.2 Å structure of the PriA/PriB/replication fork complex reveals mechanistic insight into bacterial DNA replication restart"
- 11:45 – 1:00 Lunch

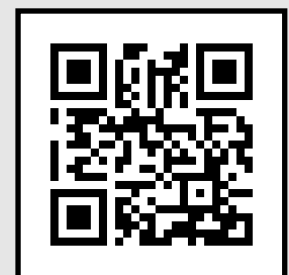
AFTERNOON SESSION

- 1:00 – 1:30 **Gail Robertson** (Neuroscience) "Biophysics Today and Tomorrow"
- 1:35 – 1:55 **Nikunj Mehta** (Chapman Lab) "Regulation of Ca²⁺ binding of synaptotagmin1 via liquid-liquid phase separation"
- 2:00 – 2:30 **Jiaoyang Jiang** (Pharmaceutical Sciences) "Protein Glycosylation in Biology and Disease"
- 2:30 – 3:00 Poster Session and Coffee Break
- 3:00 – 3:20 **Ben Harding** (Rienstra Lab) "Elucidating Protein Structural Information using Solid-State NMR Spectroscopy and Computational Technology Developments"
- 3:25 – 3:45 **Juan Sanchez** (Wright Lab) "Cryo-EM asymmetrical helical reconstruction methods provide insight in to bacterial flagellum flexibility"
- 3:50 – 4:20 **Jade Wang** (Bacteriology) "Regulatory themes and variations by stress-signaling alarmones"
- 4:25 – 4:30 Closing remarks

SPEAKERS



Register at:



<https://go.wisc.edu/50aj13>

Questions: biophysics@bocklabs.wisc.edu