



Biophysics

Seminar Series

SPRING 2024

knowledge changing life

Fridays | 10:00-11:00a.m. | Biophysics Conference Room | MFRC2063

date	speaker	seminar title
01.26	Ilirian Dhimitruka, PhD Assistant Professor, Organic Chemistry University of Wisconsin - Parkside Host: Nicholas Cina	"Synthesis and EPR spectroscopy applications of CTR (crowded trityl radicals) that reports simultaneously on acidity and oxygenation in animal models"
02.02	Emily Finn, PhD (ZOOM ONLY) Assistant Professor, Psychological & Brain Science Dartmouth College Hanover, NH Host: Brooke Greiner	"Idiosynchrony: Using naturalistic stimuli to draw out individual differences in brain and behavior"
02.09	Stephen Mazurchuk Graduate Student (Binder Lab) Medical College of Wisconsin Host: Jeff Binder, PhD	"An Embodiment Account of Category Related Semantic Deficits"
02.16	Patrick Brennan Graduate Student (Lerch Lab) Medical College of Wisconsin Host: Mike Lerch, PhD	"Defining the conformational landscape governing ligand mediated B2AR signal transduction"
02.23	Ross Collery, PhD Assistant Professor Department of Ophthalmology & Visual Sciences Medical College of Wisconsin Host: Francesca Marassi, PhD	"Using the Zebrafish Eye as a Window to Study Consequences of Retinal Disease"
03.01	Vasileios Petrou, PhD Assistant Professor & Chancellor Scholar Department of Microbiology, Biochemistry & Molecular Genetics Rutgers New Jersey Medical School Newark, NJ Host: Candice Klug, PhD	"Investigating the structural basis of polymyxin resistance using cryo-electron microscopy"
03.08	Jacek Zielonka, PhD, DSc Assistant Professor, Director-Redox & Bioenergetics Shared Resource Department of Biophysics Medical College of Wisconsin	"Novel tools for modulation and detection of cellular oxidants"
03.15	Akansha Sharma, PhD Postdoctoral Fellow (Sidabras Lab) Medical College of Wisconsin Host: Jason Sidabras, PhD	"Optical Characterization of Materials using THz Time Domain Spectroscopy"
03.22	Lan Zhu, PhD Assistant Professor, Pharmacology & Toxicology Medical College of Wisconsin Host: Francesca Marassi, PhD	"Illuminating the Molecular Mechanisms of G Protein-Coupled Receptors: Insights from Cryo-EM and X-ray Perspectives"
04.05	Emily Jacobs, PhD (ZOOM ONLY) Associate Professor University of CA Santa Barbara Santa Barbara, CA Host: Bryna Goeckner	"The New Science of Women's Brain Health"
04.12	Tugan Muftuler, PhD Professor, Department of Neurosurgery Medical College of Wisconsin Host: Jason Sidabras, PhD	"Advancing MRI methods and deep learning tools to study low back pain"
04.19	Michael T. Lerch, PhD Assistant Professor, Department of Biophysics Medical College of Wisconsin	"EPR studies of signaling selectivity in the β 2 adrenergic receptor"
04.26	Jan Rainey, PhD Professor, Department of Biochemistry & Molecular Biology Dalhousie University Halifax, Nova Scotia, Canada Host: Kyungsoo Shin, PhD	"Untangling molecular-level and nanoscale contributions to spider silk mechanics"
05.03	Kathleen P. Howard, PhD Edward Hicks Magill Prof, Professor of Chemistry & Biochemistry Swarthmore College Swarthmore, PA Host: Candice Klug, PhD & Francesca Marassi, PhD	"Probing the conformation and dynamics of membrane-bound influenza A M2 protein using SDSL-EPR"

The objective of the Biophysics Seminar Series is to encourage the exchange of ideas and results among researchers in the fields of structural biology, biomedical imaging, and other disciplines. For more information, contact Shannon Gustavson (sgustavson@mcw.edu / 414-955-4041)