



knowledge changing life

Biophysics

Graduate Seminar Series

Fridays | 9:30 a.m.
SPRING 2022

To join these virtual events, visit mcw.edu/departments/biophysics/events or contact jthelane@mcw.edu | 414-955-4002

date	speaker	seminar title
01.21	Jeffrey Hoch, PhD Director, Gregory P. Mullen NMR Structural Biology Facility Professor, Department of Molecular Biology and Biophysics University of Connecticut Health Center, Farmington, CT	Back to basics: How NMR can help structural biology navigate the era of Big Data and machine learning
01.28	Adam Sikora, PhD, DSc Assistant Professor, Faculty of Chemistry Institute of Applied Radiation Chemistry Lodz University of Technology, Lodz, Poland	Peroxynitrite, nitroxyl and nitric oxide: Reactivity and detection of reactive nitrogen species
02.04	Kathleen Schmainda, PhD Professor, Department of Biophysics Medical College of Wisconsin	DSC perfusion MRI for the prediction of treatment response in brain tumors: Achieving national consensus and shifting paradigms
02.11	Chad Quarles, PhD Professor and Chair, Division of Neuroimaging Research Director, Barrow Neuroimaging Innovation Center Barrow Neurological Institute, Phoenix, AZ	Image-based biomarkers of neurological disease: From discovery to diagnosis
02.18	Seung-Yi Lee Graduate Student (Budde Lab), Department of Biophysics Medical College of Wisconsin	Multimodal MRI in rat spinal cord injury and effects of surgical myelotomy
02.25	Peter Bandettini, PhD Chief, Section on Functional Imaging Methods Director, Functional Magnetic Resonance Imaging Core Facility (fMRIF) National Institute of Mental Health, Bethesda, MD	The challenges and opportunities of mapping cortical layer activity and connectivity with fMRI
03.04	Melissa Kemp, PhD Carol Ann and David D. Flanagan Professor, Coulter Department of Biomedical Engineering Georgia Institute of Technology and Emory University, Atlanta, GA	Kinetic modeling of ROS-generating chemotherapeutics
03.11	Heather Pinkett, PhD Irving M. Klotz Research Professor Associate Professor, Department of Molecular Biosciences Northwestern University, Evanston, IL	ABC transporters: Nutrient uptake and host-pathogen interaction
03.18	Jimmy Feix, PhD Professor, Department of Biophysics Medical College of Wisconsin	Structure and membrane interactions of a bacterial phospholipase A2
03.25	Ghoncheh Mashayekhi, PhD Senior Software Engineer Magic Leap, Inc., Plantation, FL	Identifying functionally relevant conformational motions of biomolecules
04.01	Jaiqing (Tony) Tong Graduate Student (Binder Lab), Department of Biophysics Medical College of Wisconsin	An embodiment account of event representation in the brain
04.08	Silvia Cavagnero, PhD Professor, Department of Chemistry University of Wisconsin-Madison, Madison, WI	Nuclear-spin hyperpolarization via LED-enhanced NMR: A gateway to protein conformation and folding in physiologically relevant environments
04.22	W. Karol Subczynski, PhD, DSc Professor, Department of Biophysics Medical College of Wisconsin	Saturation recovery EPR spin labeling in studies of organization, properties, and dynamics of model and biological membranes
04.29	Artur Osyczka, PhD, DSc Professor and Head, Department of Molecular Biophysics Vice-Dean for Research and International Relations Faculty of Biochemistry, Biophysics and Biotechnology Jagiellonian University, Krakow, Poland	Spectroscopic studies on redox-active metalloproteins of respiration and photosynthesis

The objective of the Biophysics Graduate Seminar Series is to encourage the exchange of ideas and results among researchers in the fields of molecular biophysics, magnetic resonance imaging, and other disciplines.