

Biophysics

Graduate Seminar Series

Fridays | 9:30 a.m.
SPRING 2021

For details on joining these virtual events, visit mcw.edu/biophysics or contact jthelane@mcw.edu | 414-955-4002

date	speaker	seminar title
01.15	Tobias Dick, PhD Division Head, Redox Regulation German Cancer Research Center Heidelberg, Germany	Thiol-based redox signaling
01.22	Kevin Koch, PhD Professor of Radiology and Biomedical Engineering Director, Center for Imaging Research Medical College of Wisconsin	MRI metal artifact reduction for advanced quantitative analysis of the post-surgical degenerative and injured spinal cord
01.29	Andrew Nencka, PhD Associate Professor of Radiology Associate Director, Center for Imaging Research Medical College of Wisconsin	Optimizing traditional and deep learning-based accelerated MR imaging
02.05	Natalia Stein, PhD Postdoctoral Fellow in Biophysics (Subczynski Lab) Medical College of Wisconsin	Physical properties of complex biological membranes as revealed by saturation recovery EPR spin labeling with stretched exponential function analysis
02.12	Tracey Rouault, MD NIH Distinguished Investigator Associate Scientific Director Chief, Metals Biology and Molecular Medicine Group Head, Section on Human Iron Metabolism Eunice Kennedy Shriver National Institute of Child Health and Human Development, NIH	Iron-sulfur proteins are a critical unrecognized source of reducing power in many mammalian metabolic pathways
02.19	Adam Greenberg, PhD Assistant Professor of Biomedical Engineering Medical College of Wisconsin & Marquette University	Uncovering the computations mediating attentional control in posterior parietal cortex
03.05	Candice Klug, PhD James S. Hyde Professor of Biophysics Director, National Biomedical EPR Center Medical College of Wisconsin	Insights into the mechanism of LPS transport in <i>E. coli</i>
03.12	Brent Nannenga, PhD Assistant Professor of Chemical Engineering School for Engineering of Matter, Transport & Energy Arizona State University	High-resolution structure determination by the cryo-EM method MicroED
03.19	Jenny Yang, PhD Regents' Professor of Chemistry Professor of Biochemistry and Biophysical Chemistry Associate Director, Center for Diagnostics & Therapeutics Center for Advanced Biotechnology and Drug Design Georgia State University Atlanta, Georgia	Precision diagnostics by protein design
03.26	El-Sayed Ibrahim, PhD Associate Professor of Radiology and Biomedical Engineering Director, Cardiovascular MRI Research Medical College of Wisconsin	Cardiac MRI: Techniques and applications
04.16	Jacek Zielonka, PhD, DSc Assistant Professor of Biophysics Director, Redox & Bioenergetics Shared Resource Medical College of Wisconsin	Antiproliferative and cytotoxic effects of novel agents targeting cancer cell bioenergetics and redox status
04.23	Michael Lerch, PhD Assistant Professor of Biophysics Medical College of Wisconsin	The role of conformational selection in β2 adrenergic receptor signaling
04.30	Balaraman Kalyanaraman, PhD Professor and Chair of Biophysics Harry R. & Angeline E. Quadracci Professor in Parkinson's Research Associate Director of Basic Research, Center for Disease Prevention Research Medical College of Wisconsin	Cancer, COVID-19, and the immune system: Mitochondria targeting as a therapeutic strategy?



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