

2024 BMEP 6600 Seminar Series

DATE	PRESENTER(S)	SEMINAR TITLE
1/5/2024	Jelena Mihailovic, Ph.D.	Comparison of human observer impression of X-ray fluoroscopy and angiography image quality with technical changes to image quality
1/12/2024	Darwin A. Garcia Gonzales, Ph.D.	Modeling acute mucosal toxicity to fractionated radiotherapy combined with an ATM inhibitor
1/19/2024	Abhinav Goyal	Wired for Understanding: Signal Processing, Voltammetry, and Artificial Intelligence in Neuropsychiatric Research
2/2/2024	Lydia P. Wheeler	Standardized Automatic Behavioral Responsiveness Testing in Epilepsy (ARTiE): A Pilot vEEG EMU Study
2/16/2024	Anthony B. Lagnodo, Ph.D.	From Molecular Biology to Artificial Intelligence and Machine Learning
2/23/2024	Kevin L. Webb, Ph.D.	Oxygen Homeostasis After Pharmacologically Inducing High Hemoglobin-Oxygen Affinity
3/8/2024	Jeanette E. Eckel Passow, Ph.D.	Statistics Series: Part 1
3/15/2024	Jeanette E. Eckel Passow, Ph.D.	Statistics Series: Part 2
4/5/2024	Benjamin G. Wood	Understanding the Causes of the Color Doppler Twinkling Artifact
4/12/2024	Katy L. Lydon	Investigating methods of enhancing meniscus allograft transplantation and repair of musculoskeletal tissue
4/19/2024	Taylor P. Trentadue	Four-dimensional computed tomography of the distal radioulnar joint
4/26/2024	Jonathan Trevathan	Neural Network Inversion of Transversely Isotropic Materials and Prediction of Fiber Direction via Magnetic Resonance Elastography
5/3/2024	Zeeshan Qadir	Neural Dynamics of Modulatory Signals in Human Vision
5/10/2024	Sydney M. Lundell	Improving Assignment of Medicare Functional Classification Levels Through Wearable Sensors
5/17/2024	Kevin M. Brom	Using Ultrasound to Assess Liver Fibrosis: Clinical and Quality Considerations
5/31/2024	Kristin D. Zhao, Ph.D, M.S. / Matthew W. Urban, Ph.D.	SURF BMEP Seminar Introduction
6/7/2024	Charles Capron	Imaging Wave Propagation in Blood Vessels with Ultrasound
6/14/2024	Garrett R. Regan	Development of a Co-pilot Diagnostic Tool for Stricturing Crohn's Disease
6/21/2024	Leena B. Pramanik	TBD
6-28-2024	Kate A. Fernandez	Characterization of lower extremity muscle activity in a spinal cord stimulation clinical trial in persons with spinal cord injury
7/12/2024	Shaheeda A. Adusei	Enhanced Characterization of Choroidal Tumors using Non-contrast Microflow Imagin
7/19/2024	Alex Oliver	Evaluation of Iron-Based Bioresorbable Flow Diverters in the Rabbit Elastase Induced Aneurysm Model
9/13/2024	Donna M. Roscoe	Sex-Dependent Responses in Lab Mice to a Natural Microbial Environment
9/20/2024	Andrew J. Haak, Ph.D. / Jordan Miller, Ph.D.	BMEP Seminar 2024-2025 Kick Off Session
9/27/2024	J.Q Tian	White Matter for Subtype and Staging Alzheimer's Disease
10/4/2024	Maureen A. Pelissero	Development of an Optofluidic Device for the Detection of Antimicrobial Resistance
10/18/2024	Areonna C. Schreiber	Finite Element Guided 3D Printing of Polymeric Composite Scaffolds for Lumbar Spinal Fusion
10/25/2024	Emily K. Koons	High resolution coronary CT angiography using energy-integrating detector (EID) and artificial intelligence, informed by ultra-high-resolution photon counting detector (PCD) CT
11/8/2024	Katy L. Lydon	Cellular Enhancement of Frozen Meniscus Allografts
11/15/2024	Jill M. Ross, M.Ed.	Career Development Internship Overview and Q & A
11/22/2024	Brian Williams, Ph.D. Navy Experimental Diving Unit, Panama City, Florida	Service and Science at the Navy Experimental Diving Unit
12/6/2024	Will G. Herbert	Investigating the Impact of Target Metric on Cancer Drug Response Model Performance