



Bioengineering Department

Spring 2020 Semester—Seminar Series

Thursday's, 12:00 pm—1:00 pm
Exploratory Hall, Room L111

(Videoconferencing to SciTech, K. Johnson Hall Room 254)

February 20, 2020

Spandan Maiti, Ph.D.

*Associate Professor at the Department of Bioengineering,
University of Pittsburgh
Pittsburgh, PA*

Title: Biomechanics of Ascending Thoracic Aortic Dissection

February 27, 2020

Dante Picchioni, Ph.D.

*Research Scientist,
The National Institutes of Health (NIH),
Bethesda, MD*

*Title: All-night Functional Magnetic Resonance
Imaging Sleep Studies*

March 5, 2020

Michael Miller, Ph.D.

*Bessie Darling Massey Professor and Director of Department of
Biomedical Engineering, Founder and Director of Center for Imag-
ing Science, Co-director of the Kavli Neuroscience
Discovery Institute
Johns Hopkins University
Baltimore, MD*

Title: The Neuroimaging Face of Pre-Clinical Alzheimer's Disease

March 19, 2020

Catherine Arnold, Ph.D.

*Principal Investigator within the Diagnostic Systems Division at
the US Army Medical Research Institute of Infectious Diseases
Fort Detrick, MD*

Title: Transcriptomics of Filovirus Infection

March 26, 2020

Ambika Bajpayee, Ph.D.

*Assistant Professor, Department of Bioengineering and Head of
the Molecular Bioelectrostatics and Drug Delivery Lab
Northeastern University
Boston, MA*

*Title: Bioelectricity in Nanomedicine: Drug Delivery and Imaging
Using Charged Biomaterials*

April 2, 2020

Haichong (Kai) Zhang, Ph.D.

*Assistant Professor, Department of Biomedical Engineering and
Robotics Engineering Program, Affiliate Professor of the
Department of Computer Science,
Worcester Polytechnic Institute
Worcester, MA*

*Title: Listening to the Sound of Light with A Robot: Molecular
Photoacoustic Imaging of Prostate Cancer and Robotic
Instrumentation*

April 9, 2020

Axel Krieger, Ph.D.

*Assistant Professor, Department of Mechanical Engineering
University of Maryland
College Park, MD*

*Title: Autonomous Surgical Robots: Will Future Surgeons Need
Caffeine or 120V?*

April 16, 2020

Konrad Kording, Ph.D.

*Professor, Department of Neuroscience and Bioengineering
University of Pennsylvania
Philadelphia, PA*

Title: Computational Morphologies

April 23, 2020

Inbal Israely, Ph.D.

*Assistant Professor of Pathology and Cell Biology
Columbia University
New York, NY*

Title: Activity Driven Spine Structural Dynamics

April 30, 2020

Amir Manbachi, Ph.D.

*Assistant Professor, Biomedical Engineering,
Johns Hopkins University
Baltimore, MD*

*Title: Towards Building a Clinically-inspired Ultrasound Hub:
Design, Development and Validation of Ultrasound Probes for
Imaging, Therapeutics, Sensing, and Other Applications.*

May 7, 2020

*** Location change: Peterson 2000 ***

Nagesh Kolishetti, Ph.D.

*Assistant Professor of Immunology and Nano-Medicine
Florida International University*

Title: Polymeric Nano-formulations for delivery of drugs to tackle cancer and viral diseases