

2018 NEMB Schedule At A Glance

Tuesday, August 21, 2018			
9:00AM - 6:00PM	Conference Registration - (Level 2 Foyer)		
2:00PM - 3:20PM	Micro/nanotechnology for therapeutics delivery (Museum A, Level 2)	Molecular scale inspired biomechanics (Hershey, Level 2)	Nanostructured sensors for cell analysis (Bradbury, Level 2)
3:20PM - 3:30PM	Coffee Break - (Bunker Hill Foyer, Level 2)		
3:30PM - 4:50PM	Micro/nanotechnology for diagnosis, prognosis, and drug delivery (Museum B, Level 2)	Molecular diagnostics using nano/micro fluidics (Crocker, Level 2)	
5:00PM - 5:50PM	Plenary: Quantum Biophotonic Electron Transfer and Its Applications in Medicine: Ultrafast Photonic PCR-based Precision Molecular Diagnostics System - By Prof. Luke Lee (Bunker Hill Room, Level 2)		
6:00PM - 8:00PM	Welcome Reception & Poster Session - (Watercourt Room, Level 2)		

Wednesday, August 22, 2018			
7:30AM - 6:00PM	Conference Registration - (Level 2 Foyer)		
8:00AM - 8:50AM	Plenary: Technologies for Personalizing Cancer Immunotherapies - By James Heath (Bunker Hill Room, Level 2)		
8:50AM - 9:00AM	Coffee Break - (Bunker Hill Foyer, Level 2)		
9:00AM - 10:20AM	Immunotherapy and drug delivery I (Museum A, Level 2)	Lab on a Chip systems for Single cell biology (Museum B, Level 2)	Bioimaging in Live Cells (Hershey, Level 2)
10:30AM - 11:50AM	Immunotherapy and drug delivery II (Bradbury, Level 2)	Biomechanics and mechanobiology in engineered, native tissues, and extracellular matrix (Crocker, Level 2)	Multimodality Imaging (Museum A, Level 2)
12:00PM - 1:30PM	Lunch Break - (Watercourt Room, Level 2)		
2:00PM - 2:50PM	Plenary: Nanomedicine and Genome Editing Approaches for Disease Therapies - By Gang Bao (Bunker Hill Room, Level 2)		
2:50PM - 3:00PM	Coffee Break (Bunker Hill Foyer, Level 2)		
3:00PM - 4:20PM	Molecular Engineering of Imaging Biosensors (Museum A, Level 2)	Liquid biopsy (Crocker, Level 2)	Micro/Nanofluidics in Biosensing (Bradbury, Level 2)
4:30PM - 5:50PM	Bio-inspired systems and sensors (Museum B, Level 2)	Biosensors for Point of Care Testing (Crocker, Level 2)	
4:30PM - 5:50PM	NEMB 2018 Committee Meeting - Open to attendees (Museum A, Level 2)		

Thursday, August 23, 2018

7:30AM - 6:00PM	Conference Registration - (Level 2 Foyer)		
8:00AM - 8:50AM	<u>Plenary:</u> Atomic Force Microscopes for Detecting Molecular Optical Resonances and Tracking and Modifying the Chemistry of Living Cells By Kumar Wickramasinghe - (Bunker Hill Room, Level 2)		
8:50AM - 9:00AM	Coffee Break - (Bunker Hill Foyer, Level 2)		
9:00AM - 10:20AM	Circulating tumor cells and Drug Delivery (Museum A, Level 2)	Biomechanics of the nucleus (Museum B, Level 2)	Microfluidics and soft materials for biology and medicine (Hershey, Level 2)
10:30AM - 11:50AM	Microfluidics and Exosomes for disease detection (Bradbury, Level 2)	Computation and modeling in biomechanics and mechanobiology (Crocker, Level 2)	Nanoelectronics for biological monitoring (Museum A, Level 2)
12:00PM - 1:30PM	Lunch Break - (Watercourt Room, Level 2)		
2:00PM - 2:50PM	<u>Plenary:</u> Implementation of Liquid Biopsy Technologies for Clinical Use in Cancer By Stefanie S. Jeffrey -(Bunker Hill Room, Level 2)		
3:00PM - 4:20PM	Advanced Imaging Probes (Museum A, Level 2)	Nano/micro fluidics with novel structures and properties (Museum B, Level 2)	Imaging-Based Cell and Tissue Biosensors (Hershey, Level 2)
4:30PM - 5:20PM	Workshop : NSF Funding Opportunities - (Museum A, Level 2)		
5:30PM - 6:30PM	Student Competition Final Pitch Talk - (Bunker Hill, Level 2)		

Friday, August 24, 2018

7:30AM - 9:00PM	Conference Registration - (Level 2 Foyer)		
8:00AM - 8:50AM	<u>Plenary:</u> Deep Learning-enabled Computational Imaging and Sensing By Aydogan Ozcan - (Bunker Hill Room, Level 2)		
8:50AM - 9:00AM	Coffee Break - (Bunker Hill Foyer, Level 2)		
9:00AM - 10:20AM	Modulation of nanoparticle delivery (Museum A, Level 2)	Optical Properties of Nanomaterials (Museum B, Level 2)	High-throughput nano devices (Hershey, Level 2)
10:30AM - 11:50AM	Multi-physics of drug and nanoparticle delivery (Bradbury, Level 2)	Nanostructured materials for cell and tissue engineering (Crocker, Level 2)	