

Lester Wolfe Workshop in Laser Biomedicine

“Photons in the Fight Against Cancer: Optics in Immuno-oncology”

After decades of disappointment, immunotherapy for cancer is now considered the brightest hope for conquering the dread disease. Checkpoint inhibitors, CAR-T cells, and antibody targeted therapeutics are leading the way. This Lester-Wolfe Workshop examines the role that optics and photonics are playing in this endeavor. In vivo optical imaging and optical theranostics are some of the topics that will be addressed.

Measuring and Modeling Therapeutic Mechanism in Single Cells

Peter Sorger, Ph.D, Otto Kraymer Professor of Systems Pharmacology Department of Systems Biology, Harvard Medical School

Optotheranostics

Shawn Chen (Xiaoyuan Chen, Ph.D.), Senior Investigator, Laboratory of Molecular Imaging and Nanomedicine (LOMIN), National Institute of Biomedical Imaging and Bioengineering

Real-Time PK/PD Imaging of Immunotherapy – RPPI

Mikael Pittet, MD, Associate Professor, Radiology, Harvard Medical School

Exploring the Connection Between Innate Immunity and Hemodynamics during Cancer Treatments Using Diffuse and Nonlinear Optical Imaging

Darren Roblyer, Ph.D, Assistant Professor, Biomedical Engineering, BU College of Engineering

Tuesday, May 1st, 2018, 3:30-6:00 PM
Massachusetts General Hospital
Simches Research Building,
3rd Floor, Room 3110
185 Cambridge Street, Boston, MA

Refreshments served at 3:00 PM, Room 3110

No R.S.V.P. required

Sponsored by the MIT Laser Biomedical Research Center, MIT, MGH Wellman Center for Photomedicine, and the Harvard-MIT Division of Health Sciences and Technology