Seminar on
MODERN OPTICS AND SPECTROSCOPY
Spring 2015

February 24
Laurie J. Butler, University of Chicago
Velocity map imaging: Probing radical intermediates in chemical reactions

March 3
Rishikesh Pandey, Massachusetts Institute of Technology
Raman Spectroscopy in pathology: Quo vadis?

March 10
Jason Fleischer, Princeton University
Nonlinear and quantum phase retrieval

March 17
Gabriela Schlau-Coen, Massachusetts Institute of Technology
Exploring the dynamics of single photosynthetic light-harvesting complexes

March 24
Mathias Kolle, Massachusetts Institute of Technology
Bioinspiration in optics and photonics

March 31
Thomas Bischof, Massachusetts Institute of Technology
Understanding excitons and multiexcitons in colloidal nanocrystals

April 14
Kimani Toussaint, University of Illinois Urbana-Champaign
PROBE @ UIUC: From second-harmonic generation microscopy to plasmonic nanoantennas

April 21
Xi Ling, Massachusetts Institute of Technology
Lighting up the Raman signal of molecules in the vicinity of Graphene related materials

April 28
24th Annual Lord Lecture:
Paul McEuen, Cornell University
Light and Fast: Probing carriers and vibrations in 1D and 2D materials

May 5
Patrick H. Vaccaro, Yale University
Optical rotatory dispersion: New twists on and old topic

Tuesdays, 12:00 - 1:00 p.m., Grier Room (34-401)

Refreshments served following the seminar

Sponsored by the MIT Laser Biomedical Research Center, the Department of Electrical Engineering and Computer Science, the Department of Chemistry, and the School of Science, MIT.