

Seminar on  
**MODERN OPTICS AND  
SPECTROSCOPY**  
Spring 2014

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- February 25** Ji-Xin Cheng, Purdue University  
**Bond-Selective Imaging: A new window into the unseen world**
- March 4** Emily Weiss, Northwestern University  
**The Optical properties of strongly coupled Quantum Dot-Molecule Systems**
- March 11** Tayyaba Hasan, Wellman Center, Massachusetts General Hospital  
**Photodynamic Therapy: A bridge between Science, Technology, and Medicine**
- March 18** Nuh Gedik, Massachusetts Institute of Technology  
**Shining light on Topological Insulators**
- April 1** Prashant Jain, University of Illinois, Urbana Champaign  
**Deciphering Chemistry on the Nanoscale by Optical Imaging**
- April 8** Dana Dlott, University of Illinois, Urbana Champaign  
**Vibrational energy transfer on surfaces and in liquids**
- April 15** Christopher Rowland, Massachusetts Institute of Technology  
**Big Lasers and Biology-Treating Cancer and mapping the Connectome with light**
- April 22** Yan Zhou, Massachusetts Institute of Technology  
**Rydberg states via CPmmW Spectroscopy**
- April 29** *23rd Annual Lord Lecture:*  
Mostafa El-Sayed, Georgia Institute of Technology  
**Plasmonic Nanotechnology meets Biology in Cancer Cell**
- May 6** Heather Lewandowski, University of Colorado  
**Millikelvin Molecular Interactions**
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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.