



NU IMAGING DAY

Medical and Biological Imaging at Northeastern

FRIDAY NOV 21, 2008, 8:30 AM - 4 PM
McLeod Suites, 318 Curry Student Center
Sponsored by the College of Engineering and
The Department of Electrical and Computer Engineering

NU Imaging Day will

- increase mutual awareness among the NU imaging research community about the breadth of biological and medical imaging research and capabilities across campus, and
- foster and develop future imaging research.

**All interested Northeastern faculty, research staff, and
graduate students are invited to attend.**

- The **morning** session will consist of short talks from senior faculty from 7 departments in 3 colleges (see speaker list below). There will also be an opportunity for audience members to briefly introduce themselves and their research.
- The **afternoon** session will be organized into discussion groups focused on planning future imaging initiatives.

Box lunches provided to all attendees who RSVP to Joan Pratt, j.pratt@neu.edu, by Friday November 14.

Current List of Speakers and Titles for the Morning Session:

Lev Perelman, Physics

Light Absorption and Scattering Spectroscopy in Medicine and Biology

Craig Ferris, Psychology

MRI in Animals: Methods and Applications in Drug Discovery

Vladimir Torchilin, Pharmaceutical Sciences

Nanopreparations for Medical Imaging

Chuck DiMarzio, Electrical & Computer Engineering

Multi-modal Microscopy

Max Diem, Chemistry & Chemical Biology

Detection of Cancer and Cellular Events by Spectral Imaging

Mario Sznajder, Electrical & Computer Engineering

The Use of Dynamics in Imaging

Slava Epstein, Biology

Microbial Individuality, and Single Cell Tracking

Sri Sridhar, Physics

Nanophotonics and Nanomaterials for Biomedical Imaging

Jeff Ruberti, Mechanical and Industrial Engineering:

Imaging challenges in Mechanochemistry of Collagen

Dana Brooks, Electrical & Computer Engineering

Algorithms and Applications for Medical and Biological Imaging

Don O'Malley, Biology

Imaging Neural Architectures with Synaptic Level Resolution

The 2008 NU Imaging Day Organizing Committee:

Carol Warner, Max Diem, Craig Ferris, Dana Brooks, Chuck DiMarzio, Vladimir Torchilin