



Frontiers in Microscopy: Whole Animal Imaging

June 30 – July 3, 2008

Draft Agenda

Talk Times/Titles subject to change

For more information, please contact laura.lelansky@jax.org

Monday, June 30th

The Bar Harbor Regency – Stone House

5:30 – 7:00PM **Registration and reception**

Tuesday, July 1st

The Bar Harbor Regency – Main Lobby Entrance

8:00 – 8:30am **Van Shuttling people to The Jackson Laboratory**

Location: The Jackson Laboratory LCC Auditorium

8:45 AM **Welcoming remarks**

9:00 **Artificial reporter genes providing MRI contrast based on proton exchange**
Assaf Gilad, Ph.D., Johns Hopkins University

9:45 **Molecular imaging of angiogenesis**
Michall Neeman, Ph.D., The Weizmann Institute

10:30 **Break**

11:00 **Optical imaging in mouse models of Alzheimer's disease**
Brian Bacskai, Harvard Medical School

11:45 **Cellular MRI: Tracking the Fate of Cells in Experimental Models**
Joseph Frank, Ph.D., NIH

12:30 PM **Lunch at Roscoe's**

- 1:30 **Use of xenon as a biosensor**
Leif Shroeder, Ph.D., UC Berkeley
- 2:15 **In vivo cytometry using MRI**
Eric Ahrens, Ph.D., Carnegie Mellon University
- 3:00 **Break**
- 3:30 **Image Based Phenotyping**
Allan Johnson, Ph.D., Duke University
- 4:15 **Influence of anesthesia on physiology and imaging**
Anthony Nicholson, Ph.D, The Jackson Laboratory

Location: Roscoe's

- 5:00 – 6:00pm **Social hour**
- 5:30pm – 6:15pm **Van shuttling people to The Bar Harbor Regency**

Wednesday, July 2nd

The Bar Harbor Regency – Main Lobby Entrance

- 8:15 – 8:45am **Van Shuttling people to The Jackson Laboratory**

Location: The Jackson Laboratory LCC Auditorium

- 9:00 AM **Imaging for Mouse Phenotyping**
Mark Henkelman, Ph.D., Mouse Imaging Center, Toronto
- 9:45 **Noninvasive Mouse Fetal Echocardiography for High
Throughput Cardiovascular Phenotyping**
Cecelia Lo, Ph.D., NHLBI
- 10:30 **Break**
- 11:00 **in vivo brain multiphoton microscopy**
Michael Levene, Ph.D., Yale University
- 11:45 **Advances in intravital multiphoton microscopy**
Warren Zipfel, Ph.D., Cornell University
- 12:30 PM **Lunch at Roscoe's**
- 1:30 **Equipment demonstrations and workshops**
(various)

Location: Roscoe's

5:00 – 6:00pm **Social hour**

5:30pm – 6:15pm **Van shuttling people to The Bar Harbor Regency**

Thursday, July 3rd

The Bar Harbor Regency – Main Lobby Entrance

8:15 – 8:45am **Van Shuttling people to The Jackson Laboratory**

Location: The Jackson Laboratory LCC Auditorium

9:00 AM **Approaches to imaging neurological function in vivo**
Afonso Silva, Ph.D., NINDS

9:45 **Diffraction enhanced imaging**
Zhong Zhong, Ph.D., Brookhaven National Laboratory

10:30 **Break**

11:15 **In vivo imaging using synchrotron radiation**
Geraldine Le Duc, Ph.D., ESRF, Grenoble

12:00 PM **Sub-Cellular resolution In Vivo Microscopy**
Robert Balaban, Ph.D., NHLBI

12:45 **Summary and wrap up**
Michael Grunze, Ph.D., Institute for Molecular Biophysics
Doug Morris, Ph.D., NINDS

1:15 **Lunch at Roscoe's**

1:30 – 2:00pm **Van shuttling people to The Bar Harbor Regency**