

Infrared Chemical Imaging for the Future at MAX IV

Polhemsalen, Ångström Laboratory, Uppsala University, March 8-9

Wednesday, March 8

- 11:00 Registration and Lunch
- 12:00 Presentation of a workshop
Per Uvdal, Lund University
- 12:15 Why do you want to use infrared light from synchrotron radiation storage rings?
Larry Carr, Brookhaven, USA
- 12:45 Bone and healing of bone
Hanna Isaksson, LTH Lund University
- 13:00 Scanning-probe chemical imaging down to 30 nm spatial resolution
Mike Martin, ALS Berkeley
- 13:30 Questions discussions (or a short presentation of MAX-lab results)
- 13:45 Synchrotron Infrared spectroscopy in material science
Paul Dumas, SOLEIL, Paris
- 14:15 Questions discussions (or a short presentation of MAX-lab results)
- 14:30 Coffee brake
- 15:00 Biological imaging in the infrared; from brains to biofuels
Lisa Miller, Brookhaven, USA
- 15:30 New light on Alzheimer's disease
Oxana Klementieva, BMC Lund University
- 15:45 Materials at extreme conditions: high pressure, low temperatures and everything else
Larry Carr, Brookhaven
- 16:15 All Your Scientific Cases; Meet With the Speakers for Questions, Discussions

18:15 Predinner talks together with the iBiomat workshop:
X-ray + IR, the Perfect Marriage?
Mike Martin, ALS Berkeley
iBiomat to be announced

19:15 Dinner together with the iBiomat workshop

Thursday, March 9

8:55 Good morning!

9:00 Combining infrared and X-ray imaging for biomedical
applications
Lisa Miller, Brookhaven

9:30 Three-Dimensional Infrared Chemical Imaging;
Spectro-Microtomography
Mike Martin, ALS Berkeley

10:00 All Your Scientific Cases; Questions, Discussions
and Wrap Up

12:00 END

Organizer:
Professor Per Uvdal, Lund University
Dr. Anders Engdahl, MAX IV
The Swedish Chemical Society:
Section for Vibrational Spectroscopy

Local organizer:
Professor Lars Österlund, Uppsala University
The Center for Photon Science at Uppsala University