

Infrared Chemical Imaging for the Future at MAX IV

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 Questions discussions (or a short presentation of MAX-lab results)
- 13:00 Synchrotron Infrared spectroscopy as a diagnostic tool for clinical application
Paul Dumas, SOLEIL, Paris
- 13:30 New light on Alzheimer's disease
Oxana Klementieva, BMC Lund University
- 13:45 Scanning-probe chemical imaging down to 30 nm spatial resolution
Mike Martin, ALS Berkeley
- 14:15 Questions discussions (or a short presentation of MAX-lab results)
- 14:30 Coffee brake
- 15:00 Biological imaging in the infrared; from bones to brains
Lisa Miller, Brookhaven, USA
- 15:30 Bone and healing of bone
Hanna Isaksson, LTH Lund University
- 15:45 Materials at Extreme Conditions; High Pressure, Low Temperatures and Everything Else
Larry Carr, Brookhaven or
Paul Dumas, SOLEIL

- 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 Cells and Tissues; Infrared and X-rays
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