

We want to show you some of the new and amazing opportunities that can be available in the future at MAX IV in the field of infrared chemical imaging. We also invite you to take an active role in the discussions and the planning of which scientific directions we should choose. This is the time for you to make sure that your research takes full advantage of the potentials that could be offered at the MAX IV facilities.

Since we can increase the brilliance by 100 with respect to the old IR-beamline at MAX-lab we can for instance equip the new IR-beamline for:

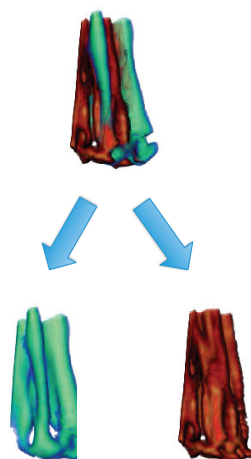
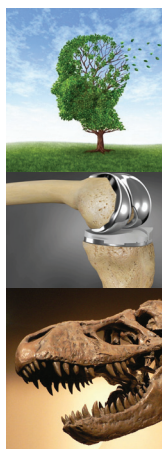
- Scanning-probe two-dimensional chemical imaging, down to 30 nanometer resolution
- Three-dimensional chemical tomography
- Super-resolution chemical imaging (at the diffraction limit)
- Spectroscopy at extreme conditions, (High pressure GPa and low temperatures 4.2K)

Because most of the technicalities associated with the extraction of infrared light at MAX IV have been solved we can focus the workshop on your science and on the specifics of your samples.

#### INVITED KEYNOTE SPEAKERS:

- **Larry Carr**, Brookhaven National lab, USA  
Fundamentals and future of Synchrotron based IR
- **Lisa Miller**, Brookhaven National lab, USA  
Bio-imaging; Infrared microscopy
- **Mike Martin**, Advanced Light Source, Berkeley CA  
Nano-probe and 3D chemical imaging
- **Paul Dumas**, SOLEIL, Paris, France  
Material science opportunities using IR

# Shine new light on your research at MAX IV



Learn about and explore the scientific possibilities at MAX IV, the Swedish National Synchrotron Facility, during a workshop in **Uppsala, 8–9 March 2017**. The workshop is free of charge but seats are limited so please register right away!

**Registration and detailed information:**

<https://indico.maxiv.lu.se/e/IR-WS>



## Infrared chemical imaging for the future March 8-9, 2017, Uppsala

