

Ceremonial inauguration of CEITEC Single Crystal X-ray Diffraction Core Facility

WHEN: September 12-13, 2013

WHERE: University Campus Bohunice, Brno, Czech Republic

Thursday 12/09/2013

15:00 – 15:30 Ceremonial Inauguration

15:00 – 15:10 Markus Dettenhofer

15:10 – 15:20 Hartmut Oschkinat

15:20 – 15:30 Vladimír Sklenář

15:30 – 17:30 Integrated structural biology as performed at CEITEC

15:30 – 15:55: Jan Hejátko (NMR, X-ray)

15:55 – 16:20: Richard Štefl (NMR, bio-SAXS)

16:20 – 16:40: Coffee break

16:40 – 17:05: Michaela Wimmerová (X-ray, SAXS)

17:05 – 17:30: Pavel Plevka (X-ray, cryoEM)

17:30 – 19:00: Reception & Guided tours to X-ray Diffraction and Bio-SAXS Core Facility

Friday 13/09/2013

9:00-10:30: Small-angle X-ray scattering

9:00 – 9:45: SAXS from macromolecular solutions at synchrotron beamline
(Alessandro Spilotros, EMBL Hamburg)

9:45 – 10:30: ATSAS - Data analysis software for study of biological macromolecules
(Giancarlo Tria, EMBL Hamburg)

10:30 – 11:00: Coffee break

11:00 – 12:30: Introduction of key equipment of the Core Facility

11:00 – 11:40: Laboratory systems for SAXS from Rigaku (tbc)

11:40 – 12:30: Protein crystallography products from Rigaku (tbc)

12:30 – 13:30: Lunch

13:30 - 15:40: “Why single crystal crystallography with high brilliance home source?”

13:30 – 14:10: Missing intensity in practice of 'small molecule' crystallographer
(Michal Dušek, Institute of Physics, Prague)

14:10 – 14:40: Extremely high resolution data collection in Brno (Marek Nečas,
CEITEC)

14:40 – 15:10: Comparison of X-ray diffraction data from different generations of
single crystal diffraction systems (Michal Babiak, CEITEC)

15:10 – 15:40: Distance crystallography at large scale facilities & protein robotics in
home lab (Jaromír Marek, CEITEC)