301.MEETING
of the Czech and Slovak Crystallographic Association

Meeting is dedicated to the methods for molecular structure studies available in the new scientific centers BIOCEV and ELI

Date: Wednesday, April 26, 2017
Place: BIOCEV, Průmyslová 525, Vestec - Conference hall

PROGRAM

9.00 – 9.30 Joel L. Sussman, Jamie Prilusky - Proteopedia - a world-wide source of knowledge of structure and function of proteins.
9.30 – 9.50 Bohdan Schneider - Structural dynamics of biomolecular systems, a joint ELI - IBT project
9.50 - 10.10 Borislav Angelov, Jacob Andreason - Present state and future of the X-ray diffraction station at ELI Beamlines
10.10 – 10.30 Jan Dohnálek - The Czech Infrastructure for Integrative Structural Biology (CIISB)
10.30 – 10.50 Jiří Pavlíček - Center of Molecular Structure in BIOCEV
10.50 – 11.10 Coffee break
11.10 – 11.30 Jindřich Hašek - Distribution of the software package "ENTERPRISE" provided by the Cambridge Crystallographic Data Center in the Czech Republic
11.30 – 11.50 Petr Pompach - Structural Mass Spectrometry (XR FT-ICR, MALDI, HPLC)
11.50 – 12.10 Aleš Benda - Imaging methods
12.10 – 12.30 Zdeněk Lánský - Measurement of intermolecular interactions - "optical tweezers"

EXCURSION TO THE BIOCEV LABORATORIES

13.00 - 15.30 Excursion to the BIOCEV laboratories, information on possible measurements and cooperation

1. Source of X-rays with liquid anode METALJET, diffractometer BRUKER with kappa geometry, area detector PHOTON-2. Diffraction measurement directly from crystallization plate. Crystalization hotel FORMULATRIX (Jiří Pavlíček)
2. Dynamic light scattering in microtitre drops (IN-DROP DLS) (Karla Fejfarová)
3. Structural Mass Spectrometry (Petr Pompach)
4. Imaging techniques - Electron microscopy with ion beam milling, optical microscopy with high resolution, fluorescence methods (Aleš Benda, Adam Scharf).nd
5. Optical tweezers - Picowatt forces, nanometric movements (Zdeněk Lánský)

HOW TO GET THERE?

Adress: BIOCEV, Průmyslová 525, Vestec, Czech Republic: www.biocev.eu

CAR:
There is a large parking place in the Biocev area for visitors for free.

PUBLIC TRANSPORTATION - BUS:
1) bus 326 - bus stop BIOCEV
2) buses 332, 327 - bus stop Vestec-Safina (700m from BIOCEV)

TRAIN:
1) Main railway station (underground station Hlavní nádraží C, red) - Opavsk (E) - bus 326
2) Main railway station (underground station Hlavní nádraží C, red) - Budějovicka (C) - bus 332 or 337.