

Centre of Molecular Structure Open Day

Date: March 31, 2022

Venue: Institute of Biotechnology of the Czech Academy of Sciences, Biocev Centre, Vestec near Prague

Aim: Introduce the Centre of Molecular Structure (CMS) and its services to potential users

Talks from facility heads will give an overview of offered services. Facility tours will give visitors the chance to see the instrumentation and discuss potential access to use the facilities, including project design, sample types, conditions, etc. The regular IBT seminar will be a part of the Open Day.

Programme:

10:00-10:05 Introduction (Jan Dohnálek)

10:05-10:15 Protein Production facility (Jiří Pavlíček)

10:15-10:25 Biophysical Techniques facility (Tatsiana Charnavets)

10:25-10:35 Crystallisation of Proteins and Nucleic Acids (Jiří Pavlíček)

10:35-10:45 Diffraction Techniques facility (Jan Stránský)

10:45-10:55 Structural Mass Spectrometry facility (Petr Pompach)

11:00-12:30 Visits of facilities – you can join the tour at 11 am directly from the conference room or find the facility of your choice during the morning or afternoon slots - please see the attached BIOCEV plan for guidance to individual facilities

12:30-13:00 Lunch break

13:00-15:00 Visits of facilities – please see the attached BIOCEV plan for guidance to individual facilities

15:00-16:00 Regular IBT seminar of CMS:

Biophysical techniques for characterization of biomolecular interactions available in CMS: recently acquired OCTET R8 (Sartorius) system for the kinetic and quantitative measurements using the BioLayer Interferometry technique (Tatsiana Charnavets)

User experience in Structural and functional characterization of different protein constructs (Carlos Espinosa)

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