CEITEC BIC

MUNI SCI National Centre for Biomolecular Research

Methods for Characterization of Biomolecular Interactions

INFORMATION

The course should be attended by structural biologists and biochemists who want to improve their knowledge of current methods for characterisation of interactions between biomacromolecules and their ligands including proteins, nucleic acids as well as small molecules. Workshop consists of **2 days of lectures** given by Biomolecular Interactions and Crystallography Core Facility staff. It is open to anyone upon registration up to the capacity of the seminary room and is also available **for students as credited subject** S2004 Methods for characterization of biomolecular interactions – classical versus modern with the final examination test on Friday 13th Jan. The capacity of concurrent 3-days practicals (subject S2005) is already filled.

PROGRAM:

Monday 9th Jan

10:00-11:30 Biomolecular interactions – introduction (Wimmerová)
12:30-14:00 Isothermal titration calorimetry (ITC) (Kubíčková)
14:15-15:15 Spectroscopic methods (Houser)
15:30-16:30 Microscale thermophoresis (MST) (Paulenová)

Tuesday 10th Jan

9:00-10:30 Analytical ultracentrifugation (AUC) (Komárek)
10:45-12:15 Surface-based methods (Houser)
13:15-13:45 Interactions at the cell level (Houser)
13:45-14:45 Importance of sample preparation (Houser)

Friday 13th Jan

9:30-11:00 Final test (S2004 registered only)

9-10/1/2023

Building C04/Room 211
University Campus Bohunice,
Masaryk University Brno,
Czech Republic

For more information and registration for the course, contact the CF BIC staff:

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