

S2004 - METHODS FOR CHARACTERIZATION OF BIOMOLECULAR INTERACTIONS

INFORMATION

The workshop should be attended by structural biologists, biochemists and all others 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 by test on Friday 26th Jan. **Subject S2005 Methods for characterization of biomolecular interactions – classical versus modern, practice** is also available for limited number of people.

PRELIMINARY PROGRAM*:

Monday 27th Jan

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

Tuesday 28th Jan

- 9:00-10:30 Analytical ultracentrifugation (AUC)
- 10:45-12:15 Surface-based methods
- 13:15-13:45 Interactions at the cell level
- 13:45-14:45 Importance of sample preparation
- 15:00-17:00 *Practicals (S2005 registered only)*

For more information and registration of the subject S2004/S2005, contact the CF BIC staff:

bic@ceitec.cz

*The order of lectures might change according to availability of the teachers. It will be announced in January.

27-28/1/2025

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