

# Methods for Characterization of Biomolecular Interactions

## INFORMATION

The workshop 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 Crystallization 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 26<sup>th</sup> Jan. **Subject S2005 Methods for characterization of biomolecular interactions – classical versus modern, practice** is also available for limited number of people.

## PROGRAM:

### Monday 22<sup>th</sup> Jan

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

### Tuesday 23<sup>th</sup> 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)
- 15:00-17:00 *Practicals (S2005 registered only)*

### Wednesday-Friday 24<sup>th</sup>- 25<sup>th</sup> Jan

- 9:00-16:00 *Practicals (S2005 registered only)*

### Friday 26<sup>h</sup> Jan

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

# 22-26/1/2024

Building C04/Room 211  
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For more information and registration of the subject S2004/S2005, contact the CF BIC staff:

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