

Workshop: Methods for characterization of biomolecular interactions

9-12 Feb 2026

Speakers/Lecturers: Sébastien Brûle, Josef Houser, Jitka Holková, Jan Komárek, Eva Paulenová, Jitka Plucarová, Jan Dohnálek

All participants can attend lectures (L). Practical exercises (P) are available only to selected participants. In the practical part, participants are divided into three groups – P1, P2, P3. (details will be provided on site).

February 9, 2026 (Monday)

time		program	room
09:30 – 09:50		Registration	E35/211
09:50 – 10:00	L	Introduction	E35/211
10:00 – 11:00	L	Importance of sample preparation (Brûle)	E35/211
11:00 – 11:15		coffee break	
11:15 – 12:30	L	Biomolecular interactions – introduction (Houser)	E35/211
12:30 – 13:30		lunch	
13:30 – 15:00	L	Spectroscopic methods (Brûle)	E35/211
15:00 – 15:15		coffee break	
15:15 – 16:45	L	Isothermal titration calorimetry (ITC) (Holková)	E35/211

February 10, 2026 (Tuesday)

time		program	room
09:00 – 10:30	L	Analytical ultracentrifugation (AUC) (Komárek)	E35/211
10:30 – 10:45		coffee break	
10:45 – 12:15	L	Surface-based methods (Houser)	E35/211
12:15 – 13:15		lunch	
13:15 – 14:15	L	Microscale thermophoresis (MST) (Paulenová)	E35/211
14:15 – 14:45	L	Interactions at the cell level (Houser)	E35/211
14:45 – 15:00		coffee break	
15:00 – 16:00	L	Databases for data deposition (Plucarová, Dohnálek)	E35/211
16:00 – 17:00		Tour de facility (optional)	

February 11, 2026 (Wednesday)

<i>time</i>		<i>program</i>	<i>room</i>
09:30 – 11:30	P1	ITC – hands-on (Holková)	C04/218
	P2	AUC – hands-on (Komárek)	C04/217
	P3	BLI – hands-on (Houser)	C04/218
11:30 – 12:30		<i>lunch</i>	
12:30 – 14:30	P1	BLI – hands-on (Houser)	C04/218
	P2	ITC – hands-on (Holková)	C04/218
	P3	MST – hands-on (Paulenová)	C04/221
14:30 – 14:45		<i>coffee break</i>	
14:45 – 16:45	P1	MST – hands-on (Paulenová)	C04/221
	P2	BLI – hands-on (Houser)	C04/218
	P3	AUC – hands-on (Komárek)	C04/217

February 12, 2026 (Thursday)

<i>time</i>		<i>program</i>	<i>room</i>
09:00 – 11:00	P1	AUC – hands-on (Komárek)	C04/217
	P2	MST – hands-on (Paulenová)	C04/221
	P3	ITC – hands-on (Holková)	C04/218
11:00 – 11:15		<i>coffee break</i>	
11:15 – 12:00	P	BLI – data analysis (Houser)	C04/211
12:00 – 13:00		<i>lunch</i>	
13:00 – 15:00	P	AUC – data analysis (Komárek)	C04/211
15:00 – 15:15		<i>coffee break</i>	
15:15 – 16:15	P	ITC – data analysis (Holková)	C04/211
16:15 – 17:15	P	MST – data analysis (Paulenová)	C04/211
17:15 – 17:30	P	Final discussion and conclusions (all teachers)	C04/211