

# S2004/S2005 Methods for characterization of biomolecular interactions – classical vs. modern

Autumn 2021

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Students enrolled in S2004 course and Workshop participants attend only lectures (L). Students enrolled in both S2004 and S2005 courses need to attend both lectures (L) and practical exercises (P).

## February 1, 2022 (Tuesday)

time	program	room
09:00-10:30	L <b>Biomolecular interactions – introduction</b> (Wimmerová)	C05/114
10:30-10:45	break	
10:45-12:15	L <b>Isothermal titration calorimetry (ITC)</b> (Kubíčková)	C05/114
12:15-13:15	lunch	
13:15-14:15	L <b>Spectroscopic methods</b> (Houser)	C05/114
14:15-15:15	L <b>Microscale thermophoresis (MST)</b> (Fujdiarová)	C05/114
15:15-15:30	break	
15:30-17:00	P <b>ITC – hands-on</b> (Kubíčková)	C04/218

## February 2, 2022 (Wednesday)

time	program	room
09:00-10:30	L <b>Analytical ultracentrifugation (AUC)</b> (Komárek)	C05/114
10:30-10:45	break	
10:45-12:15	L <b>Surface-based methods</b> (Houser)	C05/114
12:15-13:15	lunch	
13:15-13:45	L <b>Interactions at the cell level</b> (Houser)	C05/114
13:45-14:45	L <b>Importance of sample preparation</b> (Houser)	C05/114
14:45-15:00	break	
15:00-15:45	P <b>ITC – data analysis</b> (Kubíčková)	C04/118
15:45-17:30	P <b>AUC – hands-on</b> (Komárek)	C04/217

## February 3, 2022 (Thursday)

<i>time</i>	<i>program</i>	<i>room</i>
<b>09:00-10:00</b>	<b>P AUC – data analysis (Komárek)</b>	C04/217
10:00-10:15	break	
<b>10:15-11:30</b>	<b>P BLI – hands-on (Houser)</b>	C04/218
11:30-12:30	lunch	
<b>12:30-13:15</b>	<b>P BLI – data analysis (Houser)</b>	C04/218
<b>13.15-14.30</b>	<b>P MST – hands-on (Fujdiarová)</b>	C04/219
14:30-14:45	break	
<b>14:45-15:30</b>	<b>P MST – data analysis (Fujdiarová)</b>	C04/219
<b>15:30-16:30</b>	<b>P Discussion of practical aspects (all teachers)</b>	C04/218

## February 4, 2022 (Friday)

<i>time</i>	<i>program</i>	<i>room</i>
<b>09:30-11:00</b>	<b>L Written test</b>	C04/118