



## ■ Biomolecular Interactions and Crystallization

Location and booking hours of the instruments:

Instrument	Location <sup>1</sup>	Mode of usage	Instrument time available for booking <sup>2</sup>	Minimum time for booking	Responsible person
<b>Interactions and characterization of biomolecules</b>					
Analytical ultracentrifuge (ProteomeLab XL-I)	A4/217	service mode	by appointment <sup>3</sup>	-	Jan Komárek
Automated calorimetric system (Auto-iTC200)	A4/218	service mode	by appointment <sup>3</sup>	-	Jitka Ždánková
Circular dichroism spectroscopy (Jasco J-815)	A4/223	user mode	9:00-17:00 (Mon-Thu)	30 minutes	Josef Houser
Differential scanning calorimeter (VP-DSC)	A4/218	user mode	9:00-17:00 (Mon-Thu)	4 hours	Josef Houser
Dynamic light scattering (DelsaMax Core)	A4/223	user mode	9:00-17:00 (Mon-Thu)	30 minutes	Josef Houser
Isothermal titration calorimetry (VP-ITC)	A4/218	user mode	9:00-17:00 (Mon-Thu) 9:00-13:00 (Fri)	4 hours	Jitka Ždánková
Microdeposition system for biosensor arrays	A4/221	user mode service mode	9:00-17:00 (Mon-Thu)	2 hours	Jitka Ždánková
Microscale thermophoresis/ Differential scanning fluorimetry (Nanotemper)	A4/221	user mode	9:00-17:00 (Mon-Thu) 9:00-13:00 (Fri)	1 hour	Josef Houser, Jitka Ždánková
Multichannel SPR imaging system	A4/219	user mode	9:00-17:00 (Mon-Thu)	8 hours	Jitka Ždánková
SPR biosensor Biacore T200	A4/218	user mode	9:00-17:00 (Mon-Thu)	8 hours	Josef Houser

<b>Crystallization of biomolecules</b>					
Crystallization robotics	A35/2S029	service mode	by appointment <sup>3</sup>	-	Josef Houser
Crystallization plate storage	A35/2S073	service mode	by appointment <sup>3</sup>	-	Josef Houser
Gradient incubator for optimizing protein crystallization temperature (Centeo)	A35/2S029	user mode	by appointment	1 day	Josef Houser

<sup>1</sup> – Masaryk University students and employees may use online maps (<https://maps.muni.cz/kompas/>).

<sup>2</sup> – Usage of instrument out of this time is possible with the consent of responsible person only. If you are interested in this possibility, please contact responsible person.

<sup>3</sup> – Time of sample receipt to be discussed with the responsible person (usually the samples are accepted between 9:00 and 12:00).