

## NanoTemper Workshop:

### Measure binding affinities and characterize your protein with NanoTemper Technologies

#### INTRODUCTION:

CF BIC and NanoTemper are organizing a two-day workshop in the field of protein characterization and biophysical measurements. Participants will have an opportunity to learn about the theoretical background, technical details and benefits of **nanoDSF**, **DLS** and **MST** technologies. Workshop participants are strongly encouraged to **measure their own samples** on **Monolith X** system, an innovative tool for quantitative analysis of molecular interactions and determination of binding affinity and **PR.Panta**, high-resolution complex protein characterization system, which can improve your assay development, save your time, money and give you confidence in your data. All specific questions will be possible to directly discuss with NanoTemper's specialists.

#### PROGRAM:

##### Monday 14<sup>th</sup> March

- 12:00-13:00 Seminar: interaction analysis with the NEW Monolith. Introduction of Spectral shift and Monolith X system
- 13:00-14:00 Seminar: Protein stability, aggregation, and size measurements with Prometheus PANTA
- 14:00-14:30 Coffee break
- 14:30-17:00 Introduction of machines in the laboratory, sample discussion

##### Tuesday 15<sup>th</sup> March

- 09:00-11:30 Hands-on session part I (MST, nanoDSF, DLS)
- 11:30-12:30 Lunch break
- 12:30-17:00 Hands-on session part II (MST, nanoDSF, DLS)

*Flexible nature of experimental work provides an ample opportunity for breaks*

For more information and registration for the course, contact the CF BIC staff:

[bic@ceitec.cz](mailto:bic@ceitec.cz)

Check our webpage for up-to-date information:

[bic.ceitec.cz/events](http://bic.ceitec.cz/events)

# 14-15/3/2022

University Campus Bohunice,  
Masaryk University Brno,  
Czech Republic