# How to characterize your sample and check its quality:

*Handbook for life-scientist*

## May 23-25/5/2018

Sample quality is important step for obtaining good quality data from subsequent techniques and to be able to reproduce your results. However, checking of sample purity by SDS-PAGE should not be the only quality control you do! As a minimum, you should check homogeneity of your sample (DLS, AUC), proper folding (CD), thermal stability, optimize buffer (DSF, DSC, CD) and determine oligomeric state of your sample (AUC).

Preliminary program:

### 23/5/2018

11:30 – 12:00 **Registration**

12:00 – 14:30 Afternoon session part I *(theory of protein stability)*

14:30 – 15: 00 **Coffee break**

15:00 – 17:30 Afternoon session part II *(characterization of sample)*

### 24/5/2018

10:00 – 12:00 Practicals *(DLS)*

12:00 – 13:00 **Lunch break**

13:00 – 14:30 Practicals *(DSF, DSC)*

14:30 – 15: 00 **Coffee break**

15:00 – 17:00 Practicals *(CD)*

### 25/5/2018

10:00 – 12:00 Practicals *(AUC)*

12:00 – 13:00 **Lunch break**

13:00 – 15:00 Data evaluation *(AUC, DSC)*

15:00 – 15:30 **Discussion and closing remarks**

Registration form HERE. The deadline for registration is May 15th.

For more information contact us at bic@ceitec.cz.