

## CalScreener Workshop:

### Calorimetric instrument to measure the metabolic response in biological systems

#### INTRODUCTION:

CF BIC and Specion, s.r.o. are organizing a two-day workshop focused on calorimetry of biological systems. Participants will have an opportunity to learn about the theoretical background, technical details and benefits of **measuring the metabolic rate of living cells** through a real-time heat flow profile. Workshop participants are strongly encouraged to **measure their own samples** on **calScreener** calorimetric system, which allows for real-time monitoring of a total phenotypic response induced by the addition of chemical or biological compounds. All specific questions will be possible to directly discuss with Symcel specialists.



#### PROGRAM:

##### Wednesday 12<sup>th</sup> April

- 10:00-10:50 Seminar: CalScreener technology (E35/145)
- 11:00-11:50 Seminar: Applications of calorimetry in biological systems (E35/145)
- 12:00-13:00 Lunch
- 13:00-15:00 Sample preparation and measurement (C04/218)

##### Thursday 13<sup>th</sup> April

- 10:00-10:50 Data evaluation (C04/218)
- 11:00-11:50 Discussion (C04/218)

*The instrument shall be available in CF BIC for next two weeks for further experiments and testing.*

Please register [HERE](#).

For more information, 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)

# 12-13/4/2023

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building E35 and C04  
Masaryk University Brno,  
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