



# Metabolism From Cells to Mouse

We would like to invite you to the workshop “Metabolism from cells to mouse”, co-organized by the Czech Centre for Phenogenomics (CCP) and HPST (authorized distributor of Agilent Technologies). This unique workshop provides the introduction and practical hands-on of integrated metabolomics workflows, employing the techniques of cellular energy metabolism (**Agilent Seahorse XF**), detailed metabolomic analysis by **LC/MS Q-TOF** and the translation of cell culture results into a living mouse model using **indirect calorimetry**. Results from integrated experimental model, employing all the three techniques will be presented.

## WORKSHOP OUTLINE:

**Tue 25<sup>th</sup> April (9:00 - 17:00)**

### Lectures:

- Introduction into experimental workflow design
- Assay of cellular metabolism in real-time
- Mass spectrometry metabolomics workflows
- Indirect calorimetry technique

### Centre of Phenogenomics facilities tour

### Practical hands-on in groups

- Agilent Seahorse XFp
- Agilent LC/MS Q-TOF
- Indirect Calorimetry

### Social event

**Wed 26<sup>th</sup> April (9:00 - 14:00)**

### Practical hands-on in groups (continued)

### Experimental results of the metabolomics study, discussion



**Date:** 25<sup>th</sup> - 26<sup>th</sup> April 2017

**Location:** Czech Centre for Phenogenomics  
BIOCEV  
Prumyslova 595  
252 50 Vestec  
Czech Republic

**Registration:** up to 20<sup>th</sup> April 2017

**Course Fee:** €50

(includes: coffeebreaks, lunches, social dinner, reagents & consumables for hands-on session, participant bag)

Please note the number of attendees is limited to **30 participants**.

For more information and registration visit:  
<http://hpst.cz/metabolomic-workshop>



## Organizers



Czech Centre for Phenogenomics



**Agilent Technologies**

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