

Seahorse XF metabolic workshop

16th October, 2018



Functional Metabolic Data on Live Cells in Real Time

Date | 16th October, 2018

Location | Faculty of Medicine in Hradec Králové, Department of Physiology,
Seminar Room Biology (main building, 1st Floor)

Address | Šimkova 870, 50003 Hradec Králové

Registration | dead-line 14th October, 2018

Register | e-mail to dgg@hpst.cz or to michaela.pluskalova@hpst.cz

Registration Fee | free

PROGRAMME

- 9:00 - 9:05** Welcome and workshop set up (*Michaela Pluskalová, HPST*)
- 9:05 - 9:10** Introduction of Department of Physiology, new Seahorse workplace (*Otto Kučera, head of Department of Physiology*)
- 9:10 - 10:00** Introduction to Seahorse technology (*Svetoslav Kalaydjiev, Cell Analysis Product Specialist, Agilent Technologies*)
- 10:00 - 11:30** Seahorse experiment, practical demonstration of Seahorse XFe96 Analyzer, part I
- 11:30 - 12:30** Lunch
- 12:30 - 13:00** Core Seahorse Assays
- 13:00 - 14:00** Seahorse Applications
- 14:00 - 14:30** Seahorse experiment, data processing in Wave, part II
- from 14:30** Coffee Break and Open Discussion

SEAHORSE XF TECHNOLOGY

The role of metabolism in cellular and physiological processes is well established. Many diseases are now linked to metabolic dysfunction or reprogramming as cells adapt to their changing energy demands. This metabolic plasticity provides a new opportunity to identify metabolic targets useful for new therapeutic approaches.

Seahorse Extracellular Flux Analyzers enable to easily obtain functional metabolic data as measure simultaneously two major energy pathways – mitochondrial respiration and glycolysis in live cells without labeling.



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