Agilent Cell Analysis Seminar and Workshop at Aarhus University

Seminar: May 20th | 10.00 – 16.15

Workshop: May 21st |

Seahorse Controller
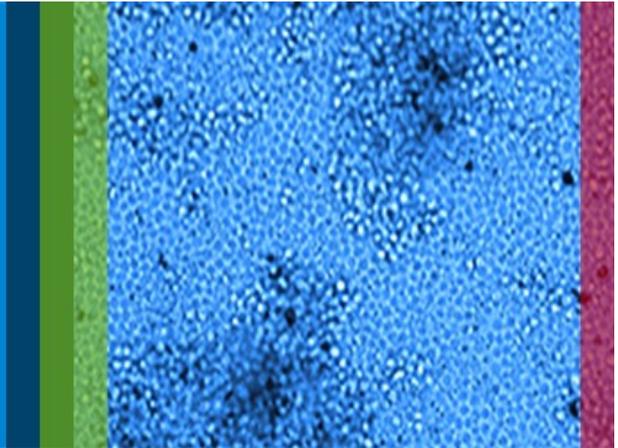
EVENT DETAILS

Host
Peter Bross, assoc. prof. Aarhus University, Research Unit for Molecular Medicine

Location:
Science Center Skejby,
Brendstrupsgaardsvej 21,
8200 Aarhus N,
Building D+E, Auditorium

Date/Time:
Monday, May 20, Seminar 10:00 – 16:15
Tuesday May 21, Practical workshop

Please Register here:
https://tinyurl.com/y2bz3u7a
For the Practical workshop please contact
nick.howe@agilent.com to secure a seat.
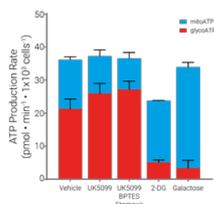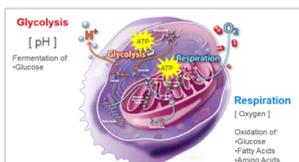
Join us for an Agilent Cell Analysis Workshop

Learn about Mitochondrial dysfunction in diseases: Bioenergetic analysis of peripheral blood mononuclear cells (PBMCs), other primary patient cells, and cellular disease models

You will learn:

- How to detect discrete changes in cell bioenergetics with the Agilent Seahorse technology

- How to best normalize your Seahorse XF data

- How to quantify ATP production via glycolysis and OXPHOS.

Agenda – Monday May 20

Time	
10:00 – 10:30	Arrival and Introduction of participants
10:30 – 11:15	Nick Howe, Agilent Technologies: **Introduction to Seahorse XF Technology, New Developments and Applications**
11:15 – 11.30	Coffee Break
11:30 – 12:00	Natasha Morozova Goul Møller & Peter Bross, *Research Unit for Molecular Medicine, Aarhus University and University Hospital*: **Bioenergetic profiles of blood cells (PBMCs) from heart failure patients treated with resistance training**
12:00 – 12:30	Tinna Stevnsner, *Department of Molecular Biology and Genetics, Aarhus University*: **Mitochondrial metabolism and maintenance of cognitive capacity at old age**
12:30 – 13:15	Lunch Break
13:15 – 13:45	Paula Fernandez Guerra & Rikke Olsen, *Research Unit for Molecular Medicine, Aarhus University and University Hospital*: **Immunocellular bioenergetics in Danish females with chronic fatigue syndrome**
13:45 – 14:15	Johan Palmfeldt, *Research Unit for Molecular Medicine, Aarhus University and University Hospital*: **Phenotyping of cells by combining metabolic activity measurements and proteomics**
14:15 – 14:30	Matej Števuliak, *Bioinformatics Research Centre (BiRC), Aarhus University*: **Automatization of Seahorse data analysis using linear regression**
14:30 – 14:45	Coffee Break
14:45 – 15:15	Jean Farup, *Research laboratory for Biochemical Pathology Department of Clinical Medicine, Aarhus University Hospital*: **Fibro-adipogenic progenitors in human skeletal muscle - the role of metabolism in muscle degeneration**
15:15 – 15:45	Cagla Cömert, *Research Unit for Molecular Medicine, Aarhus University and University Hospital*: **HEK cells as a model for mitochondrial dysfunction**
15:45 – 16:00	General Discussion; interests from the audience
16:00 – 16:15	Information on the Hands-on workshop

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