

First announcement

Mitochondrial Physiology - from Organelle to Organism
21 - 25 August 2017



Mærsk Tower, Panum Institute, University of Copenhagen, Denmark.



Speakers (confirmed):

- Ethan Anderson, Department of Pharmaceutical Sciences and Experimental Therapeutics, University of Iowa, USA.
- Damian M. Bailey, Research Institute of Health and Wellbeing, University of South Wales, United Kingdom.
- Robert Boushel, School of Kinesiology, University of British Columbia, Canada.
- Lars Eide, Institute of Clinical Medicine, Faculty of Medicine, Division of Radiology and Nuclear Medicine, University of Oslo, Norway.
- Pablo M Garcia-Roves, Department of Physiological Sciences, Faculty of Medicine and Health Sciences, University of Barcelona, Spain.
- Mary Ellen Harper, Dept. of Biochemistry, Microbiology and Immunology, Faculty of Medicine, University of Ottawa, Canada.
- Russell T. Hepple, Department of Physical Therapy, University of Florida, USA.
- Joris Hoeks, NUTRIM School for Nutrition, Toxicology and Metabolism, Dept. of Human Biology, University of Maastricht, the Netherlands.
- David A. Hood, School of Kinesiology and Health Science, Muscle Health Research Center, York University, Canada.
- Nils-Göran Larsson, Max Planck Institute for Biology of Ageing, Department of Mitochondrial Biology, University of Cologne, Germany.
- David G. Nicholls, Buck Institute for Research on Aging, USA.
- Dominik Pesta, Institute for Clinical Diabetology, Heinrich Heine University Düsseldorf, Germany.
- Keshav Singh, Departments of Genetics, Pathology and Environmental Health, University of Alabama at Birmingham, USA.
- Frederico Toledo, Center for Metabolism and Mitochondrial Medicine (C3M), University of Pittsburgh, USA.
- Antonio Zorzano, IRB Barcelona Inst. for Research in Biomedicine, Univ. of Barcelona, Spain.



Mitochondrial Physiology - from Organelle to Organism

Time: 21-25 August 2017.

Venue: Mærsk tower, the Panum Institute, University of Copenhagen, Denmark.

Format: Hands-on tutorials including “meet-the-professor-in-the-lab”; guided poster presentations by PhD students, state-of-art lectures.

Number of participants:

Morning sessions with hands-on experiments: 80 PhD students/ Postdocs/students.

Other sessions: 120 (in total).

Language: English.

Organizers: Prof. Flemming Dela, MD, Steen Larsen DMSci, Assoc. Professor.

Course secretary: Jacqueline van Hall (jacq@sund.ku.dk).

Course certificate: All participants will receive a certificate on completion of the course.

ECTS points: 3.7.

Opening for registration: 1 February 2017.

Deadline for Poster Presentations Abstracts: 15 July 2017.

Registration fee:

Early bird registration (1 February - 30 April 2017): 425 EUR.

Late registration (1 May - 1 July 2017) : 475 EUR.

(Registration fee includes course participation, lunch, course dinner and social activities).

PhD students enrolled at a Danish University will have the course fee paid by the Graduate School of Health and Medical Sciences.

Danish participants only attending the afternoon programme: 125 EUR. (registration fee includes afternoon programme participation).



Accommodation including breakfast can be booked upon registration for 90/120 EUR per night (single room/double room).

Programme

Lectures and master classes by experienced scientists in Mitochondrial Physiology.

Work-shops (parallel sessions and participant “hands-on”):

- Mitochondrial respiration in cells.
- Determining the metabolic Phenotype and Potential using the Seahorse XF analyzer (Seahorse Instrument).
- Mitochondrial respiration of circulating human blood cells (Oroboros 2k).
- Mitochondrial respiration in permeabilized human muscle fibers (Oroboros 2k).
- Mitochondrial ROS production (O₂k-Fluorescence LED2-Module, Oroboros 2k).
- Mitochondrial respiration in human adipose tissue (Oroboros 2k).
- Measurement of mitochondrial membrane potential using TMRM in human isolated skeletal muscle mitochondria.
- Mitochondrial respiration in hepatic tissue from animals (Oroboros 2k).
- Mitochondrial Imaging (only Thursday)

Equipment and methods: High resolution respirometry (Oxygraph 2k; Oroboros Instruments), XF technology (Seahorse Bioscience).

- Guided poster presentations by participating students.
- Afternoon slots of 2-4 hrs.
- Extensive social programme.

Website: www.mip.ku.dk