

3-day PhD course: Mitochondria

- **Dates:** 26 - 28 August 2019 at 10:00 to 16:00.
- **Place:** Research Lab of Molecular Medicine, Dept. of Clinical Medicine, Aarhus University Hospital.
- **Head of course:** Professor Peter Bross, Dept. of Clinical Medicine.

Course description

Mitochondria have come into focus in most diseases and mitochondrial dysfunction is observed as causative or accompanying effect in many cases.

The aim of the PhD course "Mitochondria" is to provide knowledge on methods for measuring mitochondrial dysfunction and to provide training in selected methods.

The laboratory part of the course will contain hands-on experiments for measurements of cellular and mitochondrial bioenergetics with the Seahorse Analyzer and production of reactive oxygen species using image cytometry.

The theoretical part of the course includes lectures and group exercises introducing to mitochondria biology and methodology for monitoring mitochondrial functions.

ECTS credits

Participation in this course equals 2.4 ECTS (including the joint session).