



## PhD Course: Advanced In-vivo Optical imaging techniques

Sign up via course calendar using this link:

<https://service.health.au.dk/modules/Course/mypage/coursecalendar>

**Application deadline: 5 January 2018**

Optical imaging techniques are methodologies used to study structural dynamics and functional signalling cellular networks of living organs. If you are interested to learn how to perform in-vivo optical using small murine models, we would like you to join this course.

We will introduce advanced optical techniques for in vivo imaging, such as two-photon microscopy, laser speckle imaging, optical coherence tomography, laser Doppler flowmetry and optical intrinsic signal imaging.

The students will be able to understand the basis of different techniques, to learn their pitfalls, disadvantages, and advantages, and to plan research projects that include these techniques.

**When:** 29, 30, 31 January and 2 and 26 February 2018

**Where:** Institute of Clinical Medicine (DNC) and Institute of Biomedicine (West)

**ECTS:** 6

**Course fee:** DKK 7200

**Participation in the course is without cost for:**

PhD students and research-year students from Aarhus University

PhD students from University of Helsinki

PhD students from other institutions in the open market agreement for PhD courses