



Cross Institutional Bioimaging PhD Course 2018



KØBENHAVNS
UNIVERSITET



Danmarks
Tekniske
Universitet



The Cross Institutional Bioimaging Ph.D. course is interdisciplinary and cross-institutional and will be given by a series of lecturers who are experts within each their field of bioimaging. The course will take place at different institutions in order to expose the students to different research groups, their researchers and experimental research facilities. The course will thus give the student a unique opportunity of orienting him or herself within an active and diverse field of interdisciplinary science within bioimaging.

The course is relevant for PhD students within medicine, physics, chemistry, biochemistry, molecular biology, nano-bioscience, pharmaceutical sciences, agricultural science or biology. The emphasis of the course is a tour of all bioimaging techniques available in Denmark and will cover subjects like live cell imaging, spinning disk microscopy, electron microscopy, photoactivated localization microscopy, single particle techniques, structured illumination, stimulated emission depletion microscopy, imaging of neurons and cell migration.

Date	Title	Location
January 30	Fluorescence Microscopy, two photon and Image Analysis	SDU
February 6	Confocal Microscopy	KU
February 13	Non-invasive imaging modalities (PET-SPECT-CT-R)	KU
February 20	Image Analysis	KU
February 27	Single particle & Fluorescent Proteins	AU
March 6	Super-resolution, STED, ICS and Raman	SDU
March 13	Image analysis	DTU
March 20	Electron microscopy	KU
April 3	Preparation for the exam	Home :)
April 10	Evaluation and Student Talks	KU/SDU

Registration is open by email to vita@bmb.sdu.dk

The course corresponds to 9 ECTS points.