PhD specialist course:
Research in Alzheimer’s disease and other neurodegenerative dementias
Course no. 5013-12-00-00

Copenhagen Graduate School of Health and Medical Sciences, University of Copenhagen

Aim and content: Alzheimer’s disease and related neurodegenerative disorders present an ever-growing challenge in the current setting of world-wide aging populations. Major advances have been made within the last decades into the clinical and molecular understanding of these diseases. However, for the majority of these devastating diseases, treatment options are limited and clinicians are still faced with major diagnostic obstacles, emphasising the need for further research. The course will present a wide spectrum of research in this exciting area ranging from epidemiological, clinical, biomarker, imaging and translational research. We will present the challenges and pitfalls within the field with special emphasis on Alzheimer’s disease.

Participants will:
- Learn about the epidemiology, diagnosis and clinical course of Alzheimer’s disease and other dementias
- Be updated on the most recent advances within Alzheimer’s disease research
- Learn about the imaging modalities applied in Alzheimer’s disease research and the pathological changes which are observed in neurodegenerative diseases
- Learn about neuropathological methods in Alzheimer’s disease research
- Be introduced to neuropsychological assessment of dementia patients

Description of work-shops:
- Neuropathology: The workshop will begin with an introduction to the methods applied within neuropathology and neurodegenerative diseases and how to examine brain samples. Students will get hands-on experience with light-microscopy of brain-samples in small groups of 3-4 students, which will be presented in the context of a case.
- Imaging: Students will be presented with cases from the Memory clinic, and will work in small groups of 3-4 students on workstations where they will view imaging results from different modalities including CT, MRI, SPECT and PET.
- Neuropsychology: Participants will get hands-on experience with some of the cognitive tests used in daily clinical practice. The workshop will also focus on the interpretation of different test profiles based on case-presentations.

Participants: PhD-students and other researchers working with research in clinical, translational or basic sciences in neurodegenerative disorders (max 30). Participants will be expected to read relevant journal articles which will be provided prior to the course.

Language: English

Form: The course will consist of lectures in the morning and workshops in the afternoon.

ECTS: 2.7

Dates: 29th – 31st August 2012
Time: 9.15 -16.00

Place. Rigshospitalet, details to follow.
Fee. DKK 2,280 (free for phd students enrolled in a Danish university)

Contact person for further information: Olga Nikroozi; Danish Dementia Research Centre, Copenhagen University Hospital, Rigshospitalet, Section 2082, Blegdamsvej 9, 2100 Copenhagen; 35452862; olga.nikroozi@rh.regionh.dk

Registration: Before 30th of June
Application for Ph.D. students will be allocated on a first-come, first-served basis. Applications from external participants will be considered after the closing date. Please see http://phdkursus.sund.ku.dk/frontPlanner/DetailKursus.aspx?id=95825 for information about how to apply (Course number: 5013-12-00-00)
Course directors:

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Teachers

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International speakers

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