

CURRICULUM VITAE

Anders Hougaard, MD

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Personal information

Date of birth: November 21 1982

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Education 01/2010: MD, University of Copenhagen
01/2014: PhD, University of Copenhagen (expected)

Short biography:

Current position: MD, PhD research fellow at the Danish Headache Center, Glostrup Hospital, Copenhagen, Denmark. Graduate of the University of Copenhagen in 2010 and member of the International Headache Society. Main research interests include pathophysiology of migraine with aura, human migraine models, neuroimaging and clinical trials of acute and preventive treatments of migraine.

Eleven publications on migraine in peer-reviewed journals.

Appointments

Danish Headache Center, Dept. of Neurology, Glostrup Hospital
Faculty of Health Sciences, University of Copenhagen
PhD student 01.07.2010 - Present

Dept. of Pulmonary Medicine, Bispebjerg Hospital
Resident 01.02.2010 – 01.06.2010

Danish Headache Center, Glostrup Hospital
Pre-grad research assistant 01.02.2009 - 01.07.2010

Institute of Epidemiology, The Danish Cancer Society
Pre-grad research assistant 2006 – 2007

Post-graduate courses

10/2012: Statistical parametric mapping of MRI - Data of the Brain, Hvidovre Hospital

09/2012: FSL Functional MRI Analysis Course, Bristol, FMRIB Group, University of Oxford

04/2012: Basic Kinetic Modeling in Molecular Imaging, Rigshospitalet, University of
Copenhagen

03/2012: Use of the statistical software R, University of Copenhagen

02/2012: Basic Statistics for Health Researchers, University of Copenhagen

01/2012: Intensive Medical Writing Course, University of Copenhagen

12/2011: Responsible Conduct of Research, University of Copenhagen

11/2011: Functional Magnetic Resonance Imaging: from Neurophysiology to Cognitive
Neuroscience, Amsterdam, European Society for Magnetic Resonance in Medicine
and Biology

08/2010: Advanced MRI safety course, Functional Imaging Unit, Glostrup Hospital.

06/2009: Clinical headache disorders, Danish Headache Society

04/2009: Introduction to planning and implementation of clinical trials, Danish Society for
Good Clinical Practice

Attended international meetings

06/2013: International Headache Congress, Boston

10/2012: International Headache Society & International Association for the Study of Pain, Joint Symposium, Hamburg

09/2012: European Headache and Migraine Trust International Congress, London

05/2012: 1st International Headache Academy, Copenhagen

06/2011: International Headache Congress, Berlin

10/2010: European Headache and Migraine Trust International Congress, Nice

03/2009: International Headache Research Seminar, Copenhagen

Oral and poster presentations

06/2013: OP/PP: "Interhemispheric differences of fMRI responses in migraine with unilateral aura.", International Headache Congress, Boston

10/2012: OP/PP: "Provocation of migraine with aura using natural trigger factors.", Danish Headache Society Annual Meeting

09/2012: PP: "Provocation of migraine with aura using natural trigger factors.", International Headache Congress, London

10/2011: PP: "NXN-188 during the aura phase of migraine with aura: A randomized, double-blind, placebo-controlled cross-over study", Research Day, Glostrup Hospital

06/2011: PP: "NXN-188 during the aura phase of migraine with aura: A randomized, double-blind, placebo-controlled cross-over study", International Headache Congress, Berlin

Awards and grants

06/2013: Headache Trainees Excellence Tournament: Best Presentation. International Headache Congress, Boston.

08/2012: European Headache Federation, Young Scientist Travel Award 2012

12/2011: Research Grant from the A.P. Møller Foundation for the Advancement of Medical Science

04/2011: International Headache Society Travel Grant

04/2011: PhD Scholarship (\$135,000), University of Copenhagen

Peer-reviewed publications

Hougaard A, Amin FM, Hoffmann MB, Larsson HB, Magon S, Sprenger T, Ashina M. Structural grey matter abnormalities in migraine relate to headache lateralization, but not aura. *Submitted*

Tfelt-Hansen P, Pihl T, **Hougaard A**, Mitsikostas D. Drugs targeting 5-hydroxytryptamine receptors in acute treatments of migraine attacks. A review of new drugs and new administration forms of established drugs. **Expert Opin Investig Drugs**. 2013 *In Press*

Hougaard A, Amin FM, Hoffmann MB, Rostrup E, Larsson HB, Asghar MS, Larsen VA, Olesen J, Ashina M. Interhemispheric differences of fMRI responses to visual stimuli in patients with side-fixed aura. *Human Brain Mapping*, 2013. *In Press*.

Amin FM, Asghar MS, **Hougaard A**, Hansen AE, Larsen VA, de Koning PJ, Larsson HB, Olesen J, Ashina M. Magnetic resonance angiography of intracranial and extracranial arteries in patients with spontaneous migraine without aura: a cross-sectional study. *Lancet Neurol*. 2013 May;12(5):454-61.

Hougaard A, Amin FM, Hauge AW, Ashina M, Olesen J. Provocation of migraine with aura using natural trigger factors. *Neurology*. 2013 Jan 29;80(5):428-31

Tfelt-Hansen P, **Hougaard A**. Sumatriptan: pharmacokinetics, pharmacodynamics and clinical efficacy. *Expert Opin Drug Metab Toxicol*. 2013 Jan;9(1):91-103

Amin FM, Lindberg U, Raghava JM, **Hougaard A**. The cerebral representation of the Christmas spirit. A transcultural functional magnetic resonance study. *Ugeskr Laeger*. 2012 Dec 3;174(49):3082-4.

Hougaard A, Hauge AW, Guo S, Olesen J: NXN-188 during the aura phase of migraine with aura: a randomized, double-blind, placebo-controlled cross-over study. *Scand J Pain* 4 (1), 48-52

Tfelt-Hansen P, **Hougaard A**. Migraine: New US guidelines for preventive treatment of migraine. *Nat Rev Neurol*. 2012 Jun 19;8(8):419-21

Amin FM, Asghar MS, Guo S, **Hougaard A**, Hansen AE, Schytz HW, van der Geest RJ, van der Koning P, Larsson HB, Olesen J, Ashina M. Headache and prolonged dilatation of the middle meningeal artery by PACAP38 in healthy volunteers. *Cephalalgia*. 2012 Jan;32(2):140-9.

Hougaard A, Tfelt-Hansen P. Are the current IHS guidelines for migraine drug trials being followed? *Journal of Headache and Pain*. *J Headache Pain* 2010 Dec;11(6):457-68.

Hauge A, **Hougaard A**, Olesen J. On the methodology of clinical drug trials in migraine with aura. *Cephalalgia* 2010 Sep;30(9):1041-8.

Teaching and guidance

2013: Teaching Course: “Challenges in Human Models of Migraine with Aura: Can We Provoke Aura?”, International Headache Congress, Boston, USA 2013

2012 - present: Supervising master thesis projects of several medical students

2011 - present: Numerous lectures on headache and migraine research to doctors, nurses, radiographers and lab technicians.

2011 - present: Lecturing senior medical students on medical research

2011: Pathology and microbiology teachings to future pharmaceutical consultants at PharmaXam.

Scientific societies

Member of the Danish Medical Association

Member of the Danish Headache Society

Member of the International Headache Society (IHS) and member of the Juniors Subcommittee of the IHS (2011-present)

Medical Society of Copenhagen (the world’s oldest medical society).

Board member and co-founder of GUF (Society for young scientists at Glostrup Hospital).

Other activities

2012: Medical Official at the European Women’s Field Hockey Championship

Skills and attributes

Languages

Danish: Native language

English: Advanced level spoken and written

German: Intermediate level spoken and written

Computer programming:

Basic level R (statistics), MatLab, Unix shell and HTML

MRI Software: FSL, Freesurfer

Personal interests: All aspects of science and philosophy of science, nature, cooking, triathlon (Ironman 70.3 PB: 5:46) and long-distance running (marathon PB: 2:58).

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