

CURRICULUM VITAE

NAME Mikael VON UND ZU FRAUNBERG

POSITION ON THE CLOSING DATE FOR APPLICATION

Associate Chief of Neurosurgery (apulaisylilääkäri), KUH Neurosurgery Mar 2013–

EDUCATION AND TRAINING

Docent in Neurosurgery, UEF University of Eastern Finland Dec 2013
 Neurosurgeon, UEF University of Eastern Finland Nov 2011
 Ph.D. in Medicine, University of Helsinki Apr 2003
 Thesis: Molecular genetics of variegate porphyria in Finland
<http://urn.fi/URN:ISBN:952-10-0970-5>
 M.Sc. in Economics (kauppätieteen maisteri) Dec 2001
 (major: Finance), Helsinki School of Economics (with honours: oivallisesti)
 Licentiate in Medicine (M.D.), University of Helsinki Oct 1999
 LL.M. Master of Laws (oikeustieteen kandidaatti), Jun 1994
 University of Helsinki (with honours: oivallisesti)
 M.Sc. in Technology (diplomi-insinööri) (Computer Science), Dec 1993
 Helsinki University of Technology (with honours: oivallisesti)

NEUROSURGICAL EDUCATION

Board Certified Neurosurgeon, UEF University of Eastern Finland
 Nov 2011
 Specialist training in neurosurgery 2006–11 (4 y 6 mo) / UEF and KUH Neurosurgery
 Adjunct training
 Surgery (13 months) / Lapland Central Hospital 2004–5
 Neurology 2005 (6 months) / Lapland Central Hospital
 General Medicine 2006 (6 months) / Rovaniemi City Health Care Center
 Scandinavian Course in Neurosurgery / Beitostölen 2009–12
 4 cycles completed – The Young Neurosurgeon Award 2012
 EANS Training Course in Neurosurgery 2010–13
 4 cycles completed with EANS written examination passed 2012

TRAINING IN NEUROMODULATION, DEEP BRAIN STIMULATION AND CHRONIC PAIN

International Neuromodulation Society (INS) 12th World Congress / Montreal Jun 2015
 IASP World Congress on Pain / Buenos Aires Nov 2014
 XX1st Congress of the European Society of Stereotactic and Functional
 Neurosurgery / Maastricht Sep 2014
 2nd European Conference on Innovative Radiation Technologies (EC-IRT) / Berlin Mar 2014
 Chronic Pain Patient: Neurostimulation Course / Barcelona Nov 2013
 White Matter Dissection Course / Istanbul Jun 2013
 World Congress of Society of Stereotactical and Functional Neurosurgery / Tokyo May 2013
 ECMT Training Course / DBS for obsessive-compulsive disorder / Leuven Nov 2012

XXth Congress of the European Society of Stereotactic and Functional Neurosurgery / Lissabon	Sep 2012
International Congress of Parkinson's Disease and Movement Disorders / Dublin	Jun 2012
2nd International Tractography Workshop / Wien	Jun 2011
Leksell Stereotactic Neurosurgery Training / DBS / Amsterdam	Nov 2010

PREVIOUS PROFESSIONAL APPOINTMENTS

Staff Neurosurgeon, KUH Neurosurgery	Jan 2013–Mar 2013
Staff Neurosurgeon (50%) and Clinical Researcher (50%), KUH Neurosurgery (competed research position)	Dec 2011–Dec 2012
Resident, KUH Neurosurgery	Dec 2006–Nov 2011
General Practitioner, Occupational Health Care Center, Rovaniemi	Oct 2006–Nov 2006
General Practitioner, Rovaniemi City Health Care Center	Jan 2006–Jun 2006
Post Doc Researcher, Porphyria Research Center, Medicine, Helsinki University Central Hospital	Oct 2005–Nov 2005
Resident, Neurology, Lapland Central Hospital, Rovaniemi	Mar 2005–Sep 2005
Resident, Surgery, Lapland Central Hospital, Rovaniemi	Feb 2004–Mar 2005
Resident, Internal Medicine, Lapland Central Hospital, Rovaniemi	Aug 2003–Jan 2004
Researcher, Ph.D. Student, Porphyria Research Center, Medicine, Helsinki University Central Hospital	Aug 1998–Jul 2003
Assistant Physician, Department of Internal Medicine Keski-Pohjanmaa Central Hospital, Kokkola	Jun 1997–Jul 1997

RESEARCH AWARDS, HONOURS AND MAJOR GRANTS

- A. Phenotype and genotype of saccular intracranial aneurysm (sIA) disease
 Kuopio Intracranial Aneurysm Group, KUH Neurosurgery (www.uef.fi/ns) 2006–
 PI Professor Juha E Jääskeläinen
 Co-PI Docent Mikael von und zu Fraunberg – Manager of KUH sIA Database
Funding for sIA research with Prof Juha E Jääskeläinen as PI
 KUH (EVO)
 – 40.000 € 2005–6 / 49.000 € 2007–8 / 20.000 € 2008 / 55.000 € 2009–10 / 54.000 € 2011–2
 Sigrid Juselius Foundation
 – 20.000 € 2008: Ancestry of Eastern Finnish sIA families.
 Academy of Finland
 – 240.000 € 2008–11: Gene variants predisposing to intracranial aneurysm
 – 412.000 € 2012-15: Saccular intracranial aneurysm disease – genotype to phenotype correlation
 Päivikki and Sakari Sohlberg Foundation
 – 75.000 € 2010: Outcome after aneurysmal SAH
 – 60.000 € 2011: Outcome after Aneurysmal SAH
- B. Kuopio Neurosurgery CNS Tumor Biobank (personal competed research funding)
 KUH funding (VTR) (PI Mikael von und zu Fraunberg)
 – 50 000 € 2013
 – 41 460 € 2015
- C. Molecular genetics of porphyrias (personal competed research funding for Ph.D. Thesis)
 Finnish Cultural Foundation
 – 13.500 € 2002: Doctoral thesis on disorders of heme biosynthesis
 University of Helsinki

- 3.000 € 2001: Doctoral thesis grant
Instrumentarium Research Foundation
- 5.000 € 2001: Molecular genetics of variegate porphyria and clinical applications
Magnus Ehrnrooth Foundation
- 12.000 € 2000: Ph.D. studies
Biomedicum-Helsinki Foundation
- 700 € 2000: Travel grant
Chancellor of the University of Helsinki
- 1.000 € 2000: Travel grant
Jalmari and Rauha Ahokas Foundation
- 7.000 € 2000: Molecular genetics of variegate porphyria
Lapland Regional Fund, Finnish Cultural Foundation
- 3.500 € 2000: Doctoral thesis on disorders of heme biosynthesis

MEMBERSHIPS IN SCIENTIFIC SOCIETES

Finnish Neurosurgical Association	2009–
European Association of Neurosurgical Societies	2014–
International Neuromodulation Society	2015–

OTHER ACADEMIC AND PROFESSIONAL MERITS AND ACTIVITIES

Research Ethical Committee / KUH Kuopio University Hospital	
Member	2009–12
Legal advisor	2010–12
Vice Chairman	2012–15
Chairman	Sep 2015–
Biobank of Eastern Finland (easternfinlandbiobank.fi)	2014–
Member of Scientific Board	
Finnish National Workgroup in Biobanking (BBMRI.fi)	2010–
Representative of KUH Kuopio University Hospital	
Coordinator / Research evaluation / UEF Institute of Clinical Medicine	2007–8
Coordinator / Academy of Finland evaluation of clinical research / UEF Faculty of Medicine	2008–9
Co-supervision of PhD students at Kuopio sIA Research Group (www.uef.fi/ns)	
<u>3 Completed</u>	
Terhi Huttunen MD – Phenotype and longterm outcome of Eastern Finnish sIA disease, Dissertation 2012	
Antti Lindgren MD – Concomitant diseases with sIA disease, Dissertation 2013	
Petros Karamanakos MD – Short term outcome after aSAH, Dissertation 2014	
<u>4 in Progress</u>	
Jukka Huttunen MD – Epilepsy after aSAH	
1/3 articles published, Dissertation planned 2017	
Jonas Halonen BM – Intraventricular hemorrhage with aSAH	
1/3 articles, manuscript in preparation	
Sari Räisänen BM – Familial sIA disease	
1/3 articles, manuscript in preparation	
Hanna Tattari BM – Pregnancy of female carriers of sIA disease	
1/3 articles, manuscript in preparation	
Co-author in PhD Thesis articles of 10 other PhD Students	