

PERSONAL DATA

PROFESSOR JENS CHRISTIAN HEDEMANN SØRENSEN M.D., PhD, DMSc.

Institution: Aarhus University (AU) / Aarhus University Hospital (AUH)
Department of Neurosurgery, Aarhus University Hospital,
Palle Juul-Jensens Boulevard 165 Entrance J, J617-113.
Center of Experimental Neuroscience (CENSE) www.cense.au.dk

DOB: August 15th, 1960

OrCID: 0000-0001-5139-7405



EDUCATION

2019	SME board education, School of Business and Social Sciences, Aarhus University
2003	Specialist in Neurosurgery, the Danish National Board of Health
2002	European Exam in Neurosurgery, European Association of Neurosurgical Societies
1998	D.MSc. Neurobiology, University of Southern Denmark, Odense, Denmark
1994	Ph.D. Neurobiology, University of Southern Denmark, Odense, Denmark
1990	M.D. Medicine, Aarhus University, Denmark

DISSERTATIONS

1989	Metodologiske problemer og kliniske perspektiver ved vævstransplantationer i centralnervesystemet. En Guldmedalje afhandling til besvarelse af prisspørgsmålet i medicin A ved Kbh Uni1988.
1994	Tracing of nerve connections in the rat cerebral cortex. A combined experimental and methodological study. PhD afhandling forsvaret ved SDU (10/1).
1998	Restoration of connectivity and function in the lesioned brain. An experimental neural transplant study of the rat neocortex and related structures. Disputas SDU, 2. april 1998.

CLINICAL APPOINTMENTS AND RECENT POSITIONS HELD

2011 -	Professorial Chairman and Consultant, Danish Neurosci Center and Dept. of Neurosurgery, Aarhus University Hospital
2018 to 2020	Vice Chair of Research, Dept. of Clinical Medicine, Faculty of HEALTH, Aarhus University. Prof. Chair and consultant at Department of Neurosurgery, AUH
2012 to 2018	Vice-Chair, Dept. of Clinical Medicine, Aarhus University
2006 to 2011	Professor, Chairman and consultant at Department of Neurosurgery, AUH
2003 to 2006	Associate Prof. and Staff Specialist of Neurosurg. Depart of Neurosurgery, AUH
2001 to 2003	Resident in Neurosurg., Dept of Neurosurg., AaUH Denmark
1999 to 2001	Resident in Neurosurgery, Dept of Neurosurgery, AUH

POSITIONS OF TRUST AND REVIEW

2025 -	Chairman of the EPIFY project steering committee, Innovation Found Denmark
2022 – now	CMO Cenexum Technologies - Next Generation Neuromodulation Solutions
2017 – now	Chairman of the Board, DANDRITE research, Aarhus University
2017 - 2019	Chairman of the Board, MRC Aarhus University Hospital.
2015 – now	Chairman of the Board Neurizon ApS – Neuromodulation Database.
2013 - 2019	Chairman of the Danish Neurosurgical Society
2012 – 2019	Doctoral accountant - Danish Doctors Pensionfund
2011 – now	Chairman of the Danish Neuroscience Centre, Aarhus University Hospital
2011 – 2016	Chairman of the Academic Council, Faculty of HEALTH, Aarhus Univ.
2011 – 2017	Doctoral accountant - Danish Medical Association
2010 – Now	Boardmember – Neurocampus Aarhus www.neurocampus.au.dk
2010 - 2015	Scientific advisory board member, BioLab, Berlin
2009 - 2011	St Jude Neuromodulation Academy Board member – Education in neurostimulation
2009 - now	Associate editor, Acta Dolorosa Scandinavia
2008 - now	Neurosurgical Consultant to the Danish Medical Legal Council
2007 - 2010	Member of the scientific panel, Ugeskrift for Læger
2003 - 2007	Scientific Advisory Board Member, Coretech Holdings LLC, Missouri, USA.

SUPERVISION OF PHD STUDENTS AND POST DOCS

Current supervisor for 6 PhD students

Previous supervisor for 11 PhD projects, 4 post docs, 14 research year students - all now completed

ACADEMIC AWARDS AND HONORS

2015	The Residents' Best Lecturer Award, Scandinavian Course in Neurosurgery
2012	The Generalkonsul Ernst Carlsens Fondation Honorary Award
2011	Annual Celebration Lecturer at Aarhus University, Denmark
2011	Teacher of the Year at the Faculty of Health Sciences, Aarhus University, Denmark
2000	The Roche Research Award from the Danish Neurological Association
1989	Gold medal from Univ. of Copenhagen, dissertation on "Tissue transplantation to the central nervous system".

LEADERSHIP & MANAGEMENT EXPERIENCE

Professorial Chair and Consultant Neurocentre & Chair of the Dept. of Neurosurgery, AUH 2006-now. Director pregrad. course in Neurosurgery at Aarhus University, 250 students per year, 2006-now. Managing Director two startup companies 1999-2007 with solvent exit. Head of Research at Dept. of Neurosurgery 2006-now. Chairman of the Board Neurizon neuromodulation database 2015-now. Chairman of the Academic Council, Faculty of HEALTH, AU 2011 – 2016. Chairman of the Danish Neurosurgical Society 2011 – 2017. Chair of DANDRITE board 2018-2024. CMO Cenexum Technologies - Next Generation Neuromodulation Solutions 2022-now.

INVITED LECTURES

1990 - Now	Presented more than 130 scientific and general lectures at national and international meetings.
2017 - Now	Lecturer in the lecture series 'Public lectures in Science' March 14 and 15, with live streaming for entire Denmark of the lecture: "The Electronic Man". (Det elektroniske menneske) and now continuing (Folkeuniversitetet). Brain Awareness Week 2025: "Vores Forunderlige Hjerne"

SCIENTIFIC RESEARCH AREAS

Neuromodulation through deep brain stimulation, spinal cord stimulation, therapeutic and stem cell transplantation as well as trophic factor infusion systems. Large animal models of neurodegenerative, & psychiatric diseases, stroke and pain. Neuroplasticity after stroke and brain trauma examined using techniques in neurobiology, neurosurgery, neuroimaging, molecular and cellular neurobiology. Founder of Center for Experimental Neuroscience - CENSE - The neuroscience research group at Department of Neurosurgery, Aarhus Univ. Hosp - www.cense.au.dk

PUBLICATION STATISTICS

3 dissertations, on neural plasticity and brain repair. 145 original articles in peer reviewed journals (30 of these over the last 5 years). 27 review articles, book chapters and case reports. 5943 citations since 1986, (H = 42 – Google Scholar as of April 2025). Patents: 12 basic patents (latest filing in 2023) and applications in stereotaxic surgery, DBS treatment, histotechnology, and brain computer interfacing. 12 continuations, 1 utility model, 1 patent sold.