

CURRICULUM VITAE**Full Name:** CARLSON, Leena Synnöve**Date and Place of Birth:** 25 June, 1952, Turku, Finland**Current Positions:**

Professor of Practice (Neuroscience), Aalto University School of Science, Department of Neuroscience and Biomedical Engineering.	1 May 2013 – 30 April 2018
Vice Director of the Department of Neuroscience and Biomedical Engineering, Aalto University School of Science	1 Jan 2014 – 31 Dec 2016
Senior Lecturer (20%), Department of Physiology, Faculty of Medicine University of Helsinki	1 Aug 2006 – 31 Dec 2016

Education and Training:

Bachelor of Medicine, University of Helsinki	1975
Licentiate of Medicine, University of Helsinki	1979
Doctor of Medicine, University of Helsinki Ph.D. Thesis: "Late effects of early visual deprivation on the monkey posterior parietal cortex and on the visually guided behaviour of man and monkey"	1987
Docent in Neurophysiology, University of Helsinki	1992

Previous Professional Appointments:

Professor in physiology, University of Tampere, Medical School (Tenure, resigned 30 April 2013)	1 Aug 2006 – 30 April 2013
Visiting professor, Aalto University, School of Science, O.V. Lounasmaa Laboratory	2011–2012
Academy Research Fellow, The Academy of Finland	2000–2005
Research Fellow, Massachusetts General Hospital, NMR Center, Charlestown, MA, USA (12 months)	2001–2002
Research Associate (Physiology), Dept. Physiology, Univ. Helsinki	1997–2002
Senior lecturer, Inst. Biomed/ physiology, Univ. Helsinki (total 12 mo)	1996–2000
Academy Fellow, The Academy of Finland (total 19 mo)	1997–1999
Researcher, HUCH Funds, Dept. of Radiology (5 mo)	1998
Research Associate (Neurobiology), Dept. Physiology, Univ. Helsinki	1992–1997
Research Associate, (Physiology) Dept. Physiology, Univ. Helsinki	1987–1992
Research Associate, The Academy of Finland	1984–1987
Research Associate, Dept. Physiology, Univ. Helsinki (total 23 mo)	1982–1984
Research Associate, Dept. Physiology, Univ. Helsinki (total 15 mo)	1980–1981
General Practitioner, Ecuador, Sucua (total 9 months)	1979–1980

Professional Activities

Organizer of an international ERNI-HSF workshop “Multimodal transcranial magnetic stimulation in the study of brain and mind”, Helsinki, Finland.	2011
Member of the scientific advisory board in The Research Council of Norway.	2011
President of the Finnish Physiological Society.	2010–2015
Chair of the Executive board of the BRAHE-consortium (Brain Research at Aalto University and University of Helsinki) promoting neuroscience collaboration between Aalto University and the University of Helsinki.	2010–
Scientific evaluator of grant applications for Wellcome Trust, UK.	2010
Member of the Steering Committee of the European Research Network for Investigating Human Sensorimotor Function in Health and Disease (ERNI-HSF).	2007–2012
Vice director of a National Centre of Excellence (Systems Neuroscience and Neuroimaging Research) named by the Academy of Finland.	2006–2011
Vice director of a National Centre of Excellence (Helsinki Brain Research Center), named by the Academy of Finland.	2002–2007
Representative of the Univ. of Helsinki in the Executive Board of the Advanced Magnetic Imaging (AMI) Centre (Otaniemi, Espoo).	2001–2004
Member of the scientific advisory board in Deutsche Forschungsgemeinschaft.	2005
Chair of a scientific advisory board of the Research Council in Health studies in the Academy of Finland.	2004
Board member of the scientific advisory board of the Research Council in Health studies in the Academy of Finland.	2003
Chair of a scientific advisory board of the Research Council in Health studies in the Academy of Finland.	2003
Scientific evaluator of applicants for an academic position in the Swedish Research Council.	2001
Vice Chairman of the Brain Research Society of Finland.	2000
Board Member of the Finnish Graduate School of Neuroscience (FGNS).	1999–
Board Member of the Brain Research Society of Finland.	1995–2000
Board member of the Ethics Committee of the Department of Physiology, Univ. of Helsinki.	1997–1999
Principal executive (biology test) of the entrance examination board of the Medical Faculty.	1997
Secretary of the Brain Research Society of Finland.	1987–1988

Research Periods Abroad:

Research Fellow, Massachusetts General Hospital, NMR Center, Charlestown, MA, USA (12 months)	2001–2002
Postdoctoral Research Associate, Yale University,	

School of Medicine, Section of Neurobiology, New Haven, USA (24 months)	1992–1994
Visiting Fellow, NIMH, Laboratory of Neurophysiology (Head Dr. Edward Evarts), Bethesda, MD, USA. Fogarty Int. Fellowship (4 months)	1984
Honors:	
Term Member of the European Dana Alliance for the Brain	2014-2017
Lecturer of the year. Faculty of Medicine, University of Helsinki	2009
Best Publication in an international journal . (Carlson S , Martinkauppi S, Rämä P, Salli E, Korvenoja A, Aronen H J: Cerebral Cortex 1998, 8: 743–752) Awarded by The Finnish Radiological Society.	1998
Best Publication in Duodecim. (Hyvärinen J, Carlson S , Hyvärinen L.: Aivojen näköjärjestelmän muokkautuminen varhaisiässä. Duodecim 1978, 94: 287–298)	1978
Supervised Doctoral Thesis Studies:	
Robert Boldt: Functional and anatomical brain networks: Brain networks during naturalistic auditory stimuli, tactile stimuli and rest. Functional plasticity in early-blind subjects.	2014
Johanne Pallesen: Processing of musical chords in the human brain studied with fMRI.	2008
Virve Vuontela: Developmental, functional brain imaging and electrophysiological evidence of visual and auditory working memory	2008
Nikolai Novitski: Pitch discrimination in optimal and suboptimal acoustic environments.	2006
Irina Anourova: Processing of spatial and nonspatial auditory information in the human brain.	2005
Vadim Nikouline: Magnetoencephalographic and electroencephalographic studies of spontaneous activity and evoked responses in the sensorimotor system.	2001
Denis Artchakov: Visual depth perception and working memory. An electrophysiological study in monkeys.	1999
Pia Rämä: Visuospatial working memory mechanisms as revealed by electrophysiological recordings and pharmacological noradrenergic manipulations in humans, monkeys and rats.	1998
Heikki Tanila: Sensory, motor and memory functions of the prefrontal cortex in the monkey, and the effects of alpha-2- adrenergic drugs on memory in rats.	1993

Funding during the past 10-years:

University of Helsinki 375th Anniversary Grant (40 000 €)	2015
Academy of Finland Intern. Research Program (China-Finland): “Learning and memory and the involvement of the fronto-striatal network” (350 000 €)	2014–2016
Academy of Finland Research grant “Functional imaging of executive functions in the young brain” (450 000 €)	2012–2016
Päivikki and Sakari Sohlberg Foundation “Development of regulation of brain activity and its relation to attention, memory and behaviour in school aged children” (70 000 €)	2012–2013
Päivikki and Sakari Sohlberg Foundation “Extreme prematurity and the functional development of the brain and mind” (70 000 €)	2015
Academy of Finland Centre of Excellence “Systems Neuroscience and Neuroimaging Research” (240 000 €)	2008–2011
University of Helsinki Centre of Excellence “Systems Neuroscience and Neuroimaging Research” (400 000 €)	2008–2011
Academy of Finland Centre of Excellence “Helsinki Brain Research Centre” (230 000 €)	2002–2007
Academy of Finland Research grant “Research Programme on Neuroscience”, (189 000 €)	2006–2009