CV Erik Fransén

1 Education

1.1 Degrees

Habilitation Computer Science (Docent Datalogi) KTH, Sweden	2002
PhD Computer Science (Filosofie doktor datalogi) Stockholm University, Sweden	1996
BSc Physics (Filosofie magister) Uppsala University, Sweden	1987

1.2 Post-Doctoral and Research Visits

Sabbatical Centre for Clinical Brain Sciences, Edinburgh University	2017-2018
Visiting scientist Universitätsklinikum Mannheim, Heidelberg University	2013
Visiting scientist Dept. of Psychology, Boston University	2001
Postdoc Dept. of Psychology, Harvard University	1997-1998

2 Positions

2.1 Present positions

Professor KTH, Sweden	2012

2.2 Previous positions

Associate professor (Lektor) KTH, Sweden	2002
Assistant professor (Docent), KTH, Sweden	2002
Assistant professor (Forskarassistent), KTH, Sweden	1998-2002
Doctoral Student KTH, Sweden	1989-1996
University associate (Amanuens) Göteborg University, Sweden	1988
Research engineer (Tekniker) Uppsala Universitet, Sweden	1987

3 Other

Research merits 35 peer reviwed publications including Science (1), Nature (1) and Neuron (2), 3163 citations and h-index 22 according to Google Scholar. Review editor of Frontiers in Neuroinformatics. Member of the board of Organization of Computational Neuroscience 2008-2011.

Supervised PhD students 5 at KTH. co-supervised 6 at KTH and 2 at Karolinska Institutet and 1 at McGill University.

Institutional responsibilities At KTH: Vice head of Dept. of Computational Science and Technology 2015-2020. Vice head of Dept. of Computational Biology 2008-2015. Director of PhD studies at School of Computer Science and Communication 2011-2016. At KI: Member of the scientific council of Stockholm Brain Institute 2011-2017. Member of KI StratNeuro faculty 2015-Present.

Bibiography March 6, 2020. Google Scholar: citations 3163, h-index 22, i10-index 30
Web of Science: citations 1928, h-index 16

Top 5 cited publications

A. Egorov, B. Hamam, **E. Fransén**, M. Hasselmo, A. Alonso: Graded persistent activity in entorhinal cortex neurons. **Nature** 420: 173-178, 2002. Number of citations WoS: **509**

L. Giocomo, E. Zilli, **E. Fransén**, M. Hasselmo: Temporal frequency of subthreshold oscillations scales with entorhinal grid cell spatial frequency. **Science** 315: 1719-22, 2007. Number of citations WoS: **252**

C.T. Dickson, J. Magistretti, MH Shalinsky, **E Fransén**, ME Hasselmo, Alonso A. Properties and role of Ih in the pacing of subthreshold oscillations in entorhinal cortex layer II neurons. **J. Neurophysiol.** 83: 2562-2579, 2000. Number of citations WoS: **256**

E. Fransén, B. Tahvildari, A. Egorov, M. Hasselmo, A. Alonso: Mechanism of graded persistent cellular activity of entorhinal cortex layer V neurons. **Neuron** 49: 735-746, 2006. Number of citations WoS: **176**

E. Fransén, A. Alonso, M. Hasselmo: Simulations of the role of the muscarinic-activated calcium-sensitive non-specific cation current I_{NCM} in entorhinal neuronal activity during delayed matching tasks. **J. Neurosci.** 22: 1081-1097, 2002. Number of citations WoS: **108**