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Professor and Head of lab

Neural basis of Sensorimotor Control,

Dept of Experimental Medical Science,

Lund University

CV:

1992 M.Sc. Medical School Lund University

1997 PhD in medical science, Lund University

1998 - 2001 Postdoc fellow Copenhagen University, Medical Physiology

2003 - 2008 Assistant professor

2008 Associate professor, Neurophysiologi, Lund University

2014 Professor Neurophysiology, Lund University

Supervised 12 current PhDs, and 6 postdocs

Academic appointments

2021-2022, 2025- Member of Evaluation Committee Neuroscience of Swedish Medical Research council

2015-2017 Chairman, Swedish Research Council, committee for International Career Grants

2015-2017 Chairman, Swedish Research Council, committee for International Postdoc Grants

Example recent publications

1. Kohler, M, Röhrbein, F, Knoll, A, Albu-Schäffer, A, Jörntell, H (2023) The Bcm rule allows a spinal cord model to learn rhythmic movements. *Biological Cybernetics* 117, 275—284.
2. Norrlid, J, Enander, JMD, Mogensen, H, Jörntell, H (2021) Multi-structure cortical states deduced from intracellular representations of fixed tactile input patterns. *Frontiers in cellular neuroscience* 15, pp 677568.
3. Enander, JMD, Loeb, GE, Jörntell, H (2022) A model for self-organization of sensorimotor function: spinal interneuronal integration. *Journal of Neurophysiology* 127, 1478—1495.
4. Etemadi, L, Enander JMD, Jörntell, H (2023) Hippocampal output profoundly impacts the interpretation of tactile input patterns in SI cortical neurons. *iScience* 26, 6.
5. Kristensen, SS, Kesgin, K, Jörntell, H (2024) High-dimensional cortical signals reveal rich bimodal and working memory-like representations among S1 neuron populations. *Communications Biology* 7, pp 1043.
6. Rongala, UB, Seyfarth, A, Hayward, V, Jörntell, H (2024) The import of skin tissue dynamics in tactile sensing. *Cell Reports Physical Science* 5, pp5.