The Swedish INCF Node

Focus is on computational neuroscience, simulation tools, brain imaging, neurorobotics and PhD Neuroinformatics training

The organization of the Node

The INCF National Node of Sweden is located at the Royal Institute of Technology (KTH) in Stockholm. The node functions as a network of research groups, covering primarily computational neuroscience including large scale computing and software tools for modeling and simulations. Also databases for brain imaging as well as neurorobotics are represented. The node is furthermore coordinating an Erasmus Mundus PhD programme in Neuroinformatics.

Computational Neuroscience - examples

Main research groups:
Prof Christian Balkenius, Lund University
Prof Tom Ziemke, Univ of Skövde
Prof Per Roland, KI
Prof Martin Ingvar, KI
Assoc Prof Daniel Midtveit, KTH
Assoc Prof Erik Fransén, KTH
Assoc Prof Christian De Reszke, KTH
Assoc Prof Sverker Sikström, Växjö University and KTH
Prof Jeanette Hellgren Kotaleski, KTH and INCF
Prof Hans Liljenström, SLU, Uppsala


Dendritic integration: Grid cells and working memory in entorhinal cortex, and epilepsygenesis in hippocampus


Neuroinformatics 8:43-60

EU collaborations – FACETS, Neurochem, SelAct

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SELACT: to understand basal ganglia, in particular striatum