We are inviting applications for Phd positions at the Graz University of Technology
(Faculty for Computer Science)

for research on

Principles of Brain Computation
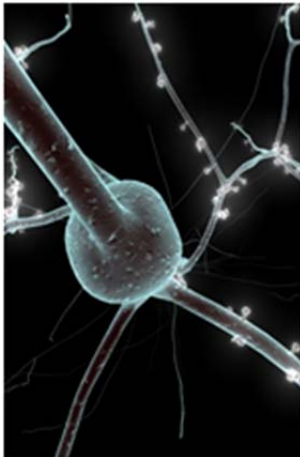
in the

EU-Flagship Project
Human Brain Project:
http://www.humanbrainproject.eu/

and in the

EU-Project BrainScaleS:
http://brainscales.kip.uni-heidelberg.de/index.html

(Image from Markram Lab at EPFL)

The Human Brain Project is expected to start on October 1, and our Lab will lead research on principles of brain computation in this project. We can employ Phd students already now for closely related work in the BrainScales project. (This project provides intermediate financing until the beginning of the Human Brain Project).

The Phd students will investigate computational properties and learning features of data-based models for cortical microcircuits, through computer simulations and theoretical analysis. Excellent research skills, a genuine interest in answering fundamental open questions about information processing in the brain, and the capability to work in an interdisciplinary research team are expected. Experience in programming, computer simulations or data analysis will be helpful.

Applications are invited by students with a master degree in one of the areas **computer science** (especially machine learning, software design, large-scale simulations), **physics**, **mathematics, statistics,** and **computational neuroscience.** Our doctoral program will lead to a Phd in Computer Science.

Please send your CV, information about your grades, and a letter describing your scientific interests and goals to my assistant Regina Heidinger :
regina.heidinger@igi.tugraz.at

It would be helpful if you could include names and email addresses of referees, and pdf files of your master thesis and/or other publications.

Prof. Dr. Wolfgang Maass
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