PhD/Postdoctoral Position at the Max Planck Institute for Biological Cybernetics in Tübingen, Germany

The Department of High-field Magnetic Resonance at the Max Plank Institute for Biological Cybernetics in Tübingen is offering one PhD position and one postdoctoral fellow position under the supervision of Dr. Xin Yu (Group Leader at MPI for Biological Cybernetics). The positions are open now until filled.

Research Description: Understand and learn to control the brain circuits underlying critical brain states, such as coma or arousal. Potential assignment: a. build up the coma rat model. b. implement the MRI/EEG/calcium recording methods for global brain state verification. c. target specific nuclei with deep brain optogenetic stimulation methods.

Experience with viral transfection, or in vivo. / in vitro. electrophysiology in animal models (rodents) with brain injury is highly desirable. The candidates should bear a certain experience or strong interests on brain functional imaging, e.g. task-based BOLD fMRI.

The Max Plank Institute for Biological Cybernetics is located in Tübingen, Germany. The High-field Magnetic Resonance Department is equipped with the 3T, 9.4T human MR scanner and 14.1T animal Bruker MR Scanner. The Max Planck Society is an affirmative action/equal opportunity employer, and encourages applications from qualified women and minority candidates.

Please send your CV (in English) to Dr. Yu if interested.

Contact info:
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Dr. Yu has published seminal papers on small animal high field MRI in Nature Neuroscience, Nature Methods, Neuron, PNAS, NeuroImage etc.