



Computational Neuroimaging of the human brainstem at 9.4 Tesla

PhD Student Position

The Hertie Institute for Clinical Brain Research (HIH), together with the University of Tübingen's Neurology Hospital, forms the Center of Neurology. It is dedicated to research, treatment, and teaching focused on the diseases of the human brain.

Currently, the HIH offers a

PhD position

for 3 years in an international collaboration with the Max-Planck Institute for Biological Cybernetics Tübingen (Germany), and the Baylor College of Medicine, Houston (USA). The project "Computational Neuroimaging of the human brainstem at 9.4 Tesla" aims at the development of sequences, analysis methods and computational models to understand the physiology and microstructure of the human brain stem.

Tübingen is home to an international and interdisciplinary community of neuroscientists from various prestigious and reknown institutions (<https://www.neuroschool-tuebingen.de/about-gtc/the-university/>). The successful candidate can enroll with the doctoral program of the Graduate Training Centre for Neurosciences in Tuebingen (<https://www.neuroschool-tuebingen.de/doctoral/>).

The candidate will develop, implement and analyse 9.4T fMRI measurements, primarily investigating somatosensory functions of the superior colliculi. The successful candidate holds a M.Sc. (or equivalent) degree in the neurosciences, biomedical engineering or related disciplines. Preference will be given to candidates with experience in the implementation and analysis of task-based fMRI experiments.

Salary: TV-L E 13 65% (up to €33,000)

How to apply

To apply, please send a pdf file containing a cover letter, your CV, 2 references, and a motivation letter via email with the subject "CRCNS PhD position" **before March 15th** to:

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Hertie-Institute for Clinical Brain Research
Department Cognitive Neurology