

# Postdoc Position on Human 9.4T MRI

at the Hertie-Institute for Clinical Brain Research Tübingen  
and the Max Planck Institute for Biological Cybernetics

The Hertie-Institut 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. The Max Planck Institute for Biological Cybernetics (MPI-BC) is a basic science research center in the areas of neuroscience, medicine and informatics.

The HIH and MPI-BC offer a

## Postdoc Position (100%) on Human 9.4T MR Imaging in Health and Disease

The position will be situated at the newly formed Research Group **Translational Imaging of Cortical Microstructure** lead by [Prof. Dr. Esther Kühn](#) at the HIH in tight collaboration with the established **Department for High-Field Magnetic Resonance** lead by Prof. Dr. Klaus Scheffler at the MPI-BC. The Translational Imaging Research Group investigates microstructural circuits of the living human brain in health and disease with a focus on the multimodal characterization of ultra-high resolution structural, functional and vascular imaging data to better understand maladaptive brain circuits. The High-Field Magnetic Resonance Group focuses on the development and application of novel MR imaging techniques to probe the anatomical and functional microstructure of the human brain.

**We are searching for a Postdoc to work in the intersection between basic and applied human 9.4T ultra-high field MRI research.**

### Your Profile

- Completed PhD in physics, neuroscience or a related field
- Excellent scientific track record
- Significant experience and at least one first-author publications in the area of human ultra-high field imaging research (i.e., > 3T MRI)
- Strong analytical and problem-solving skills
- Dedication to establish his/her career in the intersection between human 9.4T MRI methods development and application
- Team spirit and collaborative mindset
- Ability for MR sequence programming is a plus but not a requirement

### We offer

- **4-years 100% contract**
- **Internationally top-ranked research environment in basic and applied neuroscience**
- **No teaching obligations**
- **Access to 9.4T and 3T MRI scanning**
- **In-house support of advanced MR-physicists (e.g., sequence design, pulse design) and MR-analysts (e.g., computational modelling)**

**Interested candidates are invited to send an application with their CV, a brief description of past and current research activities together with 2 letters of reference to:**

Prof. Dr. Esther Kühn  
Otfried-Müller Strasse 27  
72076 Tübingen, Germany  
[esther.kuehn@dzne.de](mailto:esther.kuehn@dzne.de)

The position will be open until a convincing candidate has been found.