Hertie-Institut
für klinische Hirnforschung

Scientist / Application Engineer / Physicist

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The Hertie Institute for Clinical Brain Research (HIH) is one of the largest centers for clinical and disease-oriented brain research in Germany. The HIH strives to conduct neuroscientific research at the highest level of excellence and to translate its results into novel methods for the diagnosis and treatment of patients with neurologic diseases. During the 15 years of its existence, the institute has grown to more than 350 employees and is home to around 30 research groups.

To strengthen the Microscopy Unit, the HIH is seeking a

Scientist / Application Engineer / Physicist
(50%+ employment; see details below)

We are looking for a highly motivated, team-oriented individual to manage the central microscopy resources of our institute. This includes working closely together with biologists and medical scientists to guide their use of different microscopic techniques (2 photon-, fluorescence-, laser scanning-microscopes) and assist with data acquisition and analysis. Projects at the institute include e.g. long-term intravital and slice culture imaging experiments and characterisation of newly developed fluorophores.

Responsibilities of the position include the maintenance, user training and continued development of our microscope setups as well as support in image analysis. Additional tasks will include the generation of user guidelines for all instruments, the negotiation of maintenance contracts with major microscope suppliers as well as advising the institute on research requirements for novel technologies and the preparation of third-party grants for the acquisition of state-of-the-art instruments.

A combination of this (50%) position with an additional research position (25-50%) in one of the departments of the institute may be possible and if desired, particular research interests should be elaborated on in the application (please see the institute's website for detailed information about research activities).

The applicant is expected to hold a PhD or have long-term equivalent experience in techniques using light and fluorescent microscopy, image analysis and will need to have or develop an excellent understanding of 2-photon microscopy. For this position, competence in optics, microscopy and image analysis is essential. Preference will be given to applicants with programming/scripting skills and/or a (neuro-)biological background. Good communication as well as English language skills are also required. German language skills would be an advantage.

We offer

- an interesting and challenging task in a research institute that works on the future topics of health research
- an international environment characterized by a strong focus on science and research
- a high potential for individual development

The HIH is an equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation with a very collegial and family friendly working environment.

The position is available immediately and initially limited to 2 years. Employment, payment and social benefits are determined by the Public Sector Collective Agreement (Tarifvertrag für den öffentlichen Dienst der Länder– TV-L). Interested applicants should send their application to Prof. Mathias Jucker (containing a cover letter stating their background and motivation for this position, as well as a CV and publication list) as soon as possible (preferentially until 30.09.2018) (please email a single pdf file to gisela.rose@uni-tuebingen.de).