



PhD position at the Research Center Jülich

Single-subject prediction of motor performance in health and disease

We are happy to announce a fully funded **PhD position** in **machine learning for neuroimaging** at the Institute of Neuroscience and Medicine (INM-7, <https://www.fz-juelich.de/inm/inm-7/EN>) with Prof. Dr. Simon Eickhoff.

This position is part of the recently awarded Collaborative Research Center “SFB 1451: Key mechanisms of motor control in health and disease” together with the University of Cologne, offering excellent teaching and career development options.

We are looking for a doctoral researcher interested in the development and application of novel machine-learning approaches to large neuroimaging datasets in order to better understand inter-individual differences in motor behavior in healthy subjects, changes thereof over the lifespan and their impairment in patients with neurological disorders such as stroke and Parkinson’s disease.

What we offer:

- 3-year PhD position in an interdisciplinary, and international research environment
- Salary up to 100% E13 (TvöD) depending on qualifications
- Excellent research environment and computing infrastructure
- Strong dedication to supervision, teaching and personal support
- Ample opportunities and support for collaboration and networking
- High degree of flexibility including remote work

Requirements:

- Master's or equivalent degree
- Substantial programming expertise (Matlab or Python) is a must
- Previous experience with neuroimaging data handling is highly desired
- Strong writing, communication, interpersonal and organisational skills

Applications should be submitted via email and include a **curriculum vitae** (including a list of publications, if any), a **letter of motivation**, and contact details for two references.

Please submit your application or informal inquiries via email to Prof. Simon Eickhoff: s.eickhoff@fz-juelich.de