



PhD position in Neuroimaging Meta-Analysis Development

Institute of Neuroscience and Medicine, Research Centre Jülich

A PhD position with a focus on the methodological development and evaluation of activation likelihood estimation (ALE) meta-analysis is available in the Behavioural Neuroscience Group (Group leader: Dr. Robert Langner) at the Institute of Neuroscience and Medicine, Brain and Behaviour (INM-7), Research Centre Jülich, Germany (Director: Prof. Dr. Simon Eickhoff).

ALE meta-analysis is the most commonly employed coordinate-based meta-analytical method to synthesize neuroimaging findings across the literature. The Institute of Neuroscience and Medicine, Brain and Behaviour (INM-7), has played a key role in the methodological development of the ALE approach. The doctoral researcher will contribute to this continued development, implementing and evaluating new exciting features within the ALE environment.

What we offer:

- A 3-year PhD position on a highly relevant topic in a dynamic, interdisciplinary, and international research environment
- Ample opportunities for collaboration and networking by contributing to a widely used analytic approach and software package
- Excellent research and computing infrastructure of one of the largest research centres in Europe,
- Multiple training opportunities at the Research Centre Jülich and the Heinrich Heine University Düsseldorf

Requirements:

- Master's or equivalent degree in a relevant field and interest in neuroscientific method development
- Substantial programming expertise (Matlab or Python) is a must
- Previous experience with neuroimaging is highly desired
- Strong writing, communication, interpersonal and organisational skills

Applications should be submitted via e-mail and include a **curriculum vitae** (including a list of publications, if any), a **letter of motivation**, and contact details for **two referees** who may be contacted for letters of recommendation.

Please submit your application or informal inquiries via e-mail to Dr. Edna Cieslik-Köchling: e.cieslik@fz-juelich.de

More information about the Institute of Neuroscience and Medicine, Brain and Behaviour (INM-7) and our research can be found at:

https://www.fz-juelich.de/inm/inm-7/EN/Home/home_node.html