



Post Doc in the Area of Cognitive Neuroscience

We invite applications for a three-year postdoctoral position in the field of cognitive neuroscience. The position is part of the research project "Stress effects on Memory Accuracy versus Generalisation (StressAcGen). This project is funded by an Open Research Area grant from the German Research Foundation (DFG) and the Netherlands Organization for Scientific Research (NWO). It is a collaboration between the Ruhr University Bochum (PI Wolf) and the Donders Institute for Brain, Cognition and Behaviour (PIs Roozendaal, Henckens, and Hermans) in Nijmegen, the Netherlands.

Stressful and emotionally arousing experiences activate hormonal and brain systems that create strong memories. It remains unclear, however, how this strengthening affects the quality of such memories. The StressAcGen project is an interdisciplinary and translational effort that will conduct human behavioral, pharmacological and neuroimaging studies in combination with mechanistic studies in rodents.

The task of the postdoctoral researcher is to perform pharmacological functional-MRI studies within the general framework of this project. These studies will involve sophisticated univariate and multivariate analyses of functional neuroimaging data, and will require targeted pharmacological manipulations of stress hormone systems. The postdoctoral fellow will be jointly supervised by Oliver Wolf and Erno Hermans. He or she would work predominantly at the Donders Institute in Nijmegen.

Profile: The ideal candidate will have:

- A PhD in cognitive neuroscience or an adjacent field (psychological, biological, biomedical, or computer sciences).
- A strong academic track record including publications in leading (inter)disciplinary journals.
- A strong interest for basic research in cognitive and affective neurosciences.
- Experience in functional MRI design, acquisition, and analysis.
- Advanced computational and/or programming skills (Matlab, Python, or other languages).
- Experience and interest in training and supervising junior scientists.
- The capacity to participate in an interdisciplinary, international, and translational research environment.
- Interpersonal and communication skills to effectively collaborate and communicate
- A proactive and goal-directed attitude, good organizational skills.
- Fluency in written and spoken English.

Candidates who only partially meet this profile are nonetheless strongly encouraged to apply.

Research environment

The Ruhr University Bochum is one of the leading research universities in Germany. The interdisciplinary Research Department Neuroscience offers an excellent environment for cutting edge research. It consists of neuroscientists from biology and biotechnology, chemistry and biochemistry, medicine, psychology and neuroinformatics. It currently hosts two collaborative research centers. More information can be found online: <http://www.rd.ruhr-uni-bochum.de/neuro/index.html.en>

The project involves a close collaboration with the Donders Institute for Brain, Cognition and Behaviour in Nijmegen, the Netherlands. The Donders Institute offers a broad range of cognitive neuroimaging modalities in fully research-dedicated laboratories with excellent technical support and state-of-the-art computational facilities. It furthermore provides a unique and stimulating learning environment for young researchers, including a high-profile graduate school and in-house methodological expert courses. More information can be found online: <https://www.ru.nl/donders/>

Application

We request applicants to send a motivation letter explaining their interest and qualifications regarding the position, their prior research/work experience, a CV, and contact information of two professional references. The deadline for application is **December 15, 2018**. Please send all the material as a single pdf file to oliver.t.wolf@rub.de.

Travel expenses for interviews cannot be refunded.

At Ruhr University Bochum, we wish to promote careers of women in areas in which they have been underrepresented, and we would therefore like to encourage female candidates to send us their applications. Applications by suitable candidates with severe disabilities and other applicants with equal legal status are likewise most welcome.

Salary

According to the regularities of the German public service TVL E 13 (39,83 hours/week)

Contact

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