

The Integrated Research and Treatment Center 'AdiposityDiseases' (IFB Adipositas Erkrankungen) at the University of Leipzig is offering

2 positions as Scientific Researchers
(incl. opportunity for PhD)

in the project 'Neurocognitive mechanisms in obesity and binge eating disorder from adolescence to adulthood'.

The goal of this project is the development of detailed models of brain function with respect to cognitive control mechanisms and their alterations in adolescent and adult obesity and binge eating disorder using behavioral and neurobiological measures. This work will combine structural and in particular task-based functional magnetic resonance imaging (MRI) with a strong emphasis on analyzing these data by methods of computational modeling. These methods mainly focus on generative models of learning and decision-making for so-called "model-based" fMRI but could also be extended towards modeling of neuronal dynamics.

The positions will be embedded in the O'Brain Lab (www.o-brain-project.de) in cooperation with the Department of Child and Adolescent Psychiatry, University of Leipzig. Research will be conducted at the Max Planck Institute for Human Cognitive and Brain Sciences in Leipzig, an internationally leading centre for cognitive neuroscience and neuroimaging, which offers a multidisciplinary and international environment with excellent research facilities and infrastructure including a 7T and several 3T MRI scanners

- The ideal candidate for position 1 holds a university degree (Masters or equivalent) in Neurobiology, Cognitive Science, Biology, Psychology or similar and has strong interests in cognitive neuroscience and neurotransmitter systems to understand (mal-) adaptive behaviors of clinical relevance as in obesity and binge eating. Prior experience in behavioral and clinical assessment and neuroimaging are of advantage.
- The ideal candidate for position 2 holds a university degree (Masters or equivalent) in Neuroscience, Computer Science, Cognitive Science, Psychology or similar and has strong interests to apply computational methods to understand (mal-) adaptive behaviors of clinical relevance as in obesity and binge eating. Prior experiences in computational modeling and neuroimaging as well as programming skills are of advantage.
- A solid background in statistics is a prerequisite for both positions. Both positions will involve data collection (recruitment, clinical assessments) with adolescent and adult individuals with obesity and patients suffering from binge eating disorder. Proficiency in oral and written German and English are required for both positions.

The positions are available for up to 2.5 years, prospectively **starting in 11/2017**, depending on release of funds. Salary is based on the German public service regulations (E13, TV-L, 50%). The call will remain **open until 14.08.2017**.

Complete applications include a cover letter, CV, letters of reference, copies of university degrees and additional certificates (if applicable). Applications should be sent as a **single PDF** file (max. 10 MB) to prejawa@cbs.mpg.de quoting **reference BED_OBESITY**.

The University of Leipzig is an equal opportunity employer. We particularly welcome applications from female scientists and from people with disability.

Informal inquiries may be made to Dr. Lorenz Deserno (deserno@cbs.mpg.de) and Dr. Annette Horstmann (horstmann@cbs.mpg.de).