

**Research position (PhD) in translational developmental neuroscience (with a focus on schizophrenia)** at the Department of Child and Adolescent Psychiatry, University Hospital Carl Gustav Carus, Dresden University of Technology, Germany

PLEASE REPOST FOR INTERESTED PARTIES

**Job Description:** The Department of Child and Adolescent Psychiatry, Dresden University of Technology, Germany invites applications for a research position (PhD) in the field of imaging genetics with a focus on the neurodevelopment of schizophrenia. The aim of the project is to establish relationships between heritable risk factors and brain-based biomarkers for schizophrenia. This is a full time position within the newly funded Translational Developmental Neuroscience Group (Dr. S. Ehrlich). Most of the work will be carried out in close collaboration with scientists at the Athinoula A. Martinos Center for Biomedical Imaging at the Massachusetts General Hospital/ Harvard Medical School (Boston, USA).

**Responsibilities** will include the acquisition and analysis of a range of behavioral, psychiatric and magnetic resonance imaging (MRI) as well as genetic and epigenetic data. Imaging sessions will take place on the Neuroimaging Center's 3T Siemens TIM-Trio scanner and data collected will include high-quality structural, diffusion, and functional MRI data. However, most of the work will be with existing large scale datasets from multi-site neuroimaging studies and a large quantity of genetic markers from genom-wide association studies.

**Applicants for the position must have** completed (a) a Bachelor, Master or Diploma degree in a relevant field (Psychology, Biology, Biomedicine, Biophysics, Computer Science, Electrical Engineering) and (b) participated in research activities within the past years. Experience in computer programming (Linux/Unix shell scripting, C++ and/or MATLAB), neuroimaging analysis methods (FSL, SPM, Freesurfer), genomics, advanced statistical analyses and scientific writing would be a plus. The successful applicant will join an international multidisciplinary team of researchers and clinicians and will receive further training in the application of analysis tools for neuroimaging and genetic data.

**The position is available** for a start date as soon as September 15th 2010. Review of applications will begin immediately and will continue until the position is filled. The position is guaranteed until 31.12.2011 with the possibility of renewal after positive evaluation. Psychologists or physicians who wish to advance in their clinical training may be able to dedicate some amount of their time to work with patients.

**Salary** will be consistent with levels in accordance with the German Research Foundation (50% TV-L: E 13). Compensation includes health insurance, and vacation time.

**To apply** or request more information, please send a cover letter detailing professional objectives and interests, CV, and the names and email addresses of two references (all together in one pdf file in German or English) with the subject line "SCZ doctoral position" to the address below. Applications from many disciplines may be considered, and the position is open to **qualified international applicants**. Applicants with a disability will be given preference in the selection process.

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