Postdoctoral position:

**MULTIMODAL IMAGING OF NETWORK CONNECTIVITY IN AUTISM**

*Brain Development Imaging Laboratory*

The Brain Development Imaging Laboratory (BDIL) at the Dept. of Psychology, San Diego State University, is offering 1-2 NIH-funded postdoctoral positions in functional connectivity MRI and related techniques. Current research at BDIL applies fMRI, functional connectivity MRI, diffusion-tensor and restriction spectrum imaging, MR spectroscopy, and volumetric MRI, as well as behavioral and neuropsychological measures to investigate biomarkers in children with autism spectrum disorders (ASD). BDIL ([www.sci.sdsu.edu/bdil](http://www.sci.sdsu.edu/bdil)) collaborates with MR physics, EEG, MEG, and other groups at the University of California, San Diego (UCSD), and has full access to the UCSD Center for Functional MRI ([http://fmri.ucsd.edu/](http://fmri.ucsd.edu/)), which houses two research-dedicated 3T human scanners. Work will include two newly funded NIH projects using combined MEG, fcMRI, and DTI as well as simultaneous EEG/fMRI acquisition for dynamic functional connectivity studies of ASD.

Applicants should have experience in functional MRI and functional connectivity MRI (data acquisition, preprocessing, analysis). Experience in data-driven techniques (graph theory, ICA, machine learning), in other imaging modalities (DTI, MRS; EEG, MEG), and in multimodal integration will be relevant, but not indispensable. Applicants who have experience in the study of children (especially those with autism) may be preferred.

Please e-mail CV, research statement, reprints, and 3 letters to Ralph-Axel Müller at: [rmueller@mail.sdsu.edu](mailto:rmueller@mail.sdsu.edu).