

**Postdoctoral Position in Preschool Developmental Cognitive Neuroscience**  
**Laboratory for Child Brain Development**  
**Department of Psychiatry, University of Pittsburgh**

The Laboratory for Child Brain Development (LCBD-PI: Dr. Susan Perlman) anticipates an open postdoctoral associate position (pending funding expected in Summer 2018). The applicant's main appointment will be in the Laboratory for Child Brain Development (LCBD; <http://www.lcbd.pitt.edu>) in the Department of Psychiatry in the University of Pittsburgh, School of Medicine (<http://www.psychiatry.pitt.edu/>). The LCBD is dedicated to using multi-modal methodology to understand the trajectories of emotional development from infancy to middle childhood (with a strong preschool focus). Currently, the LCBD has several ongoing projects including: 1) Longitudinal development of preschool irritability as a predictor for psychopathology; 2) Interpersonal brain synchronization in autism spectrum disorders; and 3) The neurodevelopment of executive function in infancy, in addition to several local and national collaborations. The postdoctoral associate will mostly be working on a new study investigating interpersonal neural synchronization (using fNIRS) between preschool children with high irritability and their parents, however there are opportunities for work on other projects if interested. Projects, funded by the National Institutes of Health and the Brain and Behavior Research foundation, employ intensive, state-of-the-art, multi-modal, neurodevelopmental measurement including functional magnetic resonance imaging (fMRI), functional near-infrared spectroscopy (fNIRS), eye tracking, facial expression and behavioral coding, sleep actigraphy, hair cortisol, and interpersonal neural synchronization between parent and child.

The postdoctoral fellow will be an integral member of this scientific team and will have rich opportunities to publish on neurodevelopmental projects of interest to him/her and to design his/her own preliminary study as a basis for launching an independent research program. The fellow will also be encouraged and supported to develop supplementary studies via the NIH NRSA and/or K Award mechanisms in addition to smaller foundation grants.

The University of Pittsburgh, Department of Psychiatry provides an ideal training environment for postdoctoral fellows (<http://www.psychiatry.pitt.edu/node/8211>), including the Career and Research Development Seminar which is designed to promote the professional, career development, and grantsmanship skills necessary to launch an independent career through the NIH K Award mechanism. The fellow will also be invited to a casual monthly lunch meeting, designed to introduce him/her to his/her peers and to members of the Department of Psychiatry faculty in the context of discussions on important career development topics (Co-led by Dr. Perlman). Pittsburgh and the local surrounding areas offer an affordable and family-friendly community with rich university resources.

Position requires a PhD in developmental psychology, clinical psychology, neuroscience, or related field. The ideal candidate will have excellent publication record with demonstrated interest in developmental cognitive neuroscience, strong motivation towards a career in developmental cognitive neuroscience research, and will combine collaborative orientation with the ability to function well independently. This position requires experience in testing children in the laboratory environment and experience with a brain imaging modality (fMRI, EEG, fNIRS) and/or psychophysiology (heart rate, skin conductance, pupillometry). The postdoctoral associate will be strongly trained in fNIRS (along with other modalities of his or her interest) as part of his/her responsibilities on the project.

This postdoctoral fellowship is expected to begin on 7/1/2017, although start date is negotiable. The appointment will extend 2 years, depending on progress, with the possibility of extending the position pending future funding. Applicants will be considered until the position is filled. For more information, please contact Dr. Perlman directly at [perlmansb2@upmc.edu](mailto:perlmansb2@upmc.edu).