Postdoctoral Fellowship Position at Children’s National Medical Center, George Washington University, Washington, DC

Description

The Center for Advanced Pediatric Brain Imaging Research has an opening for a postdoctoral fellowship position. The position offers an exciting opportunity to be at the forefront of this rapidly developing field of fetal-neonatal imaging and neuroscience.

The research project will investigate the impact of preterm birth on cerebral and cerebellar structural and functional development. Specifically, the project will focus on comparing longitudinal developmental brain trajectories of fetal and preterm MRI data including developing computational models and 3-D spatio-temporal atlases using high-resolution anatomical and diffusion tensor MR imaging datasets for cerebral and cerebellar tissue classification, segmentation, and connectivity measurements.

Qualifications

Extensive knowledge in software programming using C/C++, MATLAB, and GPU computing is required. Prior experience in medical image processing and in particular MR imaging is essential. Candidates must have a PhD in an engineering discipline, computer science, or applied physics/mathematics. The candidate is expected to have good writing skills, a track record for publications, and experience in working in a multidisciplinary clinical research environment.

To Apply

The position is funded by the Advanced Pediatric Brain Imaging Center at Children’s National for two years (with the possibility of three years) and will start in May 2018. Candidates should submit a CV, list 3 referees, and provide a brief statement of research interests and goals, by email to Dr. Limperopoulos. Applications or informal inquires should be sent to climpero@childrensnational.org.

Contact

Catherine Limperopoulos, PhD
Director, MRI Research of the Developing Brain
Director, Advanced Pediatric Brain Imaging Research Center
Diagnostic Imaging and Radiology/Fetal and Transitional Medicine
Children’s National Medical Center
Associate Professor of Pediatrics
George Washington University School of Medicine and Health Sciences
111 Michigan Ave. N.W.
Washington, D.C. 20010
Email: climpero@childrensnational.org