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

Position: Postdoctoral Fellow
Organization: Children’s National Medical Center
Location: Washington, DC

Description:

The Center for Advanced Pediatric Brain Imaging Research has an opening for a postdoctoral fellowship position. Our research focuses on applying advanced MRI tools to understanding early life brain injury in high-risk fetal and preterm populations. The position offers an exciting opportunity to be at the forefront of this rapidly developing new field of fetal-neonatal imaging and neuroscience.

The research project will investigate the impact of preterm birth on cerebellar structural and functional development. Specifically, the project will focus on in vivo mapping of the immature preterm cerebellum including developing computational models and 3-D spatio-temporal atlases using high-resolution anatomical and diffusion tensor MR imaging datasets for cerebellar-cerebral 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.

The position is funded by the Advanced Pediatric Brain Imaging Center at Children’s National for two years, and will start in February 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 inquiries should be sent to climpero@childrensnational.org.

Contact:
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