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

Description

Children's National Medical Center is ranked as one of the Top 5 children’s hospitals nationwide in U.S. and No. 1 in newborn care. The Developing Brain Research Laboratory in the Department of Diagnostic Imaging and Radiology has an opening for a postdoctoral fellowship. Our lab has access to one 1.5T Discovery MR450, one 1.5T Optima 450W wide bore and one 3T Discovery 750 GE MRI scanner. The lab also has a state-of-the-art computational cluster that consists of 20 compute nodes and 3 NVIDIA Tesla P100 GPU units. The lab further has a well-organized research coordinators team to recruit volunteers and professional MRI physicists to assist MR scans.

The postdoc position offers an exciting opportunity to be at the forefront of this rapidly developing field of fetal-neonatal imaging and neuroscience. This program will focus on fetal and neonatal MRI technical developments, including computational models, novel fast imaging sequence and reconstruction algorithm. The position will be supported for two years with full-time benefits. Salary will be based on qualifications and experience.

Qualification

A successful candidate is expected to have

1. A doctoral degree in an engineering discipline or applied physics/mathematics  
2. Extensive knowledge using MATLAB  
3. Experiences with medical imaging, in particular, MRI

Experiences in pulse sequence programming and motion correction are highly preferred, but not required.

Contact

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