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

Who are we?

Children's National Medical Center is ranked among the top 5 Children’s hospital nationwide in U.S. and No. 1 in newborn care. Our Center for the developing brain focuses on developing novel MRI acquisition and analysis techniques that will allow for the early detection of injury in the fetal and neonatal brain.

Our lab has access to several MRI scanners including a 1.5T Discovery MR450, 1.5T Optima 450W wide bore and a 3T Discovery 750 GE MRI scanner. The Center also has a state-of-the-art computational cluster that consists of 20 compute nodes and 3 NVIDIA Tesla P100 GPU units. The Center is supported by a clinical research coordination team that focuses on recruiting study participating into normative and high-risk prenatal and neonatal studies.

What is the position?

The postdoc and research associates positions offer an exciting opportunity to be at the forefront of this rapidly developing field of fetal-neonatal neuroimaging 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, with the option of a third year. Salary will be decided based on qualifications and experience.

Who we are looking for?

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 and signal processing

Experiences of MRI physics and pulse sequence programming are highly preferred, but not required.

Contact

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