Position: Assistant/Associate Professor, MRI Scientist
Organization: Children's National Medical Center
Location: Washington, DC

Description:

The Institute for the Developing Brain at Children’s National in Washington DC, is seeking a highly motivated and experienced MRI scientist to fill a faculty position within the Division of Diagnostic Imaging and Radiology. The overarching goal of our Institute is to develop ground-breaking noninvasive neurodiagnostic technologies designed to understand the origins of neurodevelopmental disorders before birth, and to reduce the burden of fetal-neonatal diseases that result in adverse birth outcomes. The faculty member will focus on developing innovative fetal MR imaging techniques that offer the earliest and most reliable MRI structural and functional biomarkers of risk in the fetal brain and placenta using non-invasive techniques including diffusion imaging, perfusion, and oxygenation MRI.

The candidate will interact with a vibrant and multidisciplinary clinical research community made up of physicians, nurses, study coordinators, MRI physicists, research technologists, computational scientists, systems and software engineers, and will have access to a large trainee pool of undergraduate, graduate and postgraduate students.

Serving the nation’s children for 150 years, Children’s National is a leader in developing and applying innovative diagnostics and treatments for childhood illness and injury and is ranked among the nation’s Top 10 pediatric hospitals by U.S. News & World Report in 2020-2021 (No. 1 for Neonatology, No. 3 for Neurology).

Qualifications:

Applicants are expected to have a PhD in biomedical engineering, computer science, electrical engineering, or related fields and should have a strong background and prior expertise in MRI pulse sequence programming. Knowledge of MATLAB programming and Unix/Linux computers and C/C++ is preferred.

Interested applicants should provide a brief statement of their research interests, a CV, and three references: Catherine Limperopoulos, PhD: climpero@childrensnational.org