Research Fellow or Research Associate: Accelerated Acquisition & Reconstruction of Quantitative MRI

DEPARTMENT: Imaging Research Center
SUPERVISOR'S TITLE: Faculty
A postdoctoral fellowship or research associate position is available in the Imaging Research Center at Cincinnati Children’s Hospital and Medical Center. The successful candidate will focus on developing and validating techniques for pediatric magnetic resonance imaging (MRI) in both neuro and body imaging applications, including quantitative parameter mapping, accelerated acquisition techniques, and advanced reconstruction algorithms. The candidate will be expected to design and execute experiments, develop and perform acquisition and reconstruction of images, and implement analyses to evaluate imaging results.

Cincinnati Children's Hospital Medical Center is a premier pediatric research institution with over 900 diverse and productive faculty members. Here, researchers work collaboratively across specialties and divisions to address some of the biggest challenges we face today in improving child health. A strong network of research support services and facilities, along with institutional commitment to research, push our team of faculty, postdocs and support staff to explore the boundaries of what is possible, leading to significant breakthroughs. We are driven by our mission to improve child health and transform the delivery of care through fully integrated, globally recognized research, education and innovation.

Post-doctoral research fellows at Cincinnati Children’s are valued for their unique interests and strengths, and are supported by our institution’s strong programming for post-docs through the Office of Postdoctoral Affairs and the Office of Academic Affairs and Career Development. Mentoring, support for international students and an emphasis on crafting high-quality grant proposals are only a few of the features that set our program apart. Cincinnati Children’s is a respected part of the broader, and very vibrant, Cincinnati community. With a thriving arts scene, numerous festivals celebrating music and food, a passionate fan following for our college and professional sports teams, and a variety of opportunities for outdoor activities, our region is truly a great place to work and live.

QUALIFICATIONS
Required: Ph.D. in related discipline, M.D., or equivalent degree (recent Ph.D.) or research associate (Ph.D. & 3+ years postdoc experience) in biomedical engineering, electrical engineering, physics, or related field.

Preferred: The ideal candidate should have experience in MRI research with a strong background in programming, image reconstruction, and image processing techniques. Candidates should be highly motivated and able to work independently in an environment with an emphasis on clinical and translational research. Strong communication skills in written and verbal English are required, with a good track record of publications in peer reviewed journals.

APPLICATIONS
Applicants should send a CV and contact information for 3 references to Mary Kate Manhard, Ph.D. at mary.manhard@cchmc.org.

Cincinnati Children’s Hospital Medical Center is an Affirmative Action/Equal Opportunity Institution
Cincinnati Children’s Hospital Medical Center is a Drug Free Workplace