Neuroimaging Scientist, (Research Track, Tenure Eligible) – JR226525

The Department of Radiology at Cincinnati Children's Hospital Medical Center (CCHMC) seeks an outstanding PhD scientist for a tenure-eligible faculty position at the Assistant or Associate Professor level. We are conducting an open search for a highly accomplished investigator with expertise in advanced neuroimaging and a demonstrated record of impactful scholarship, multidisciplinary collaboration, and extramural research funding (or strong potential to obtain sustained funding).

The successful candidate will join the Division of Radiology Research in the Department of Radology and will contribute to expanding and advancing CCHMC's neuroimaging research enterprise. This recruitment aligns with institutional priorities in neuroscience, brain development, neurodevelopmental disorders, and mental and behavioral health, while strengthening the Department's leadership in innovative imaging science and translational research.

Position Responsibilities

The successful candidate will:

- Develop and maintain an independent, nationally recognized, externally funded research program in neuroimaging.
- Lead innovative investigations focused on brain development, physiology, pathophysiology, and/or brain function in health and/or disease.
- Advance state-of-the-art neuroimaging acquisition and/or analysis methods, including structural, functional, diffusion, and quantitative imaging approaches.
- Collaborate with multidisciplinary investigators across Cincinnati Children's and external partner institutions.
- Contribute to translational research efforts designed to improve understanding of neurological and neurodevelopmental diseases and support personalized pediatric care.
- Mentor trainees, research staff, graduate students, fellows, and junior investigators.
- Participate in departmental and institutional service activities.
- Contribute to educational programs within the Department of Radiology and the broader academic community.

Required Qualifications

- PhD in Biomedical Engineering, Neuroscience, Medical Physics, Imaging Science, Computer Science, Psychology, Chemistry, or a related quantitative or biomedical discipline.
- Established expertise in advanced neuroimaging methods and/or analysis.
- Publication record in peer-reviewed scientific journals.
- Demonstrated success in obtaining extramural research funding or strong potential to secure independent funding.
- Experience working within multidisciplinary research teams.
- Excellent communication and mentoring skills.

Preferred Qualifications

- Expertise in one or more advanced neuroimaging modalities, including:
    - Functional MRI (fMRI)
    - Diffusion Tensor Imaging (DTI) and advanced diffusion methods
    - Quantitative MRI
    - Neuroimage analysis, machine learning, or computational neuroscience
    - Other relevant modalities / techniques
- Experience with pediatric imaging research.
- Interest in translational studies bridging imaging science and clinical neuroscience.
- Experience developing novel acquisition, processing, or quantitative imaging methodologies

Research Environment

Cincinnati Children's is one of the leading pediatric research institutions in the United States and provides an exceptional environment for collaborative neuroimaging research. The successful candidate will have opportunities to collaborate with faculty across the Department of Radiology, including neuroradiology, imaging physics, and quantitative imaging programs, as well as investigators throughout the institution and at the University of Cincinnati.

Potential collaborators include faculty within Radiology, Neonatology, Neurology, Neurosurgery, Mental and Behavioral Health, Rehabilitation Medicine, Biostatistics and Epidemiology, the Center for Brain Development and Injury (CBDI), General & Community Pediatrics, and other research programs focused on brain development and neurodevelopmental disorders.

Position Details

- Position: Assistant or Associate Professor
- Track: Research Track, Tenure Eligible
- Degree Required: PhD
- FTE: 1.0
- Effort Distribution (approximate and negotiable):
    - Research: 90%
    - Administration: 5%
    - Teaching: 5%
    - Clinical: 0%
- Anticipated Start Date: July 1, 2027
- Initial Support: Departmental start-up support with expectation of transition to extramural funding
- Division Director: Kim Cecil, PhD
- Radiologist-in-Chief: Andrew Trout, MD

Application Process

Interested candidates should submit:

- Curriculum vitae
- Cover letter describing research interests and future research plans
- Statement of research accomplishments and funding history
- Contact information for three references

For questions regarding this opportunity, please contact:

Jonathan R. Dillman, MD, MSc

Associate Chief, Research

Department of Radiology
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(or Kelsey Hogan, administrative assistant [Kelsey.Hogan@cchmc.org])

About Us

At Cincinnati Children's, we come to work with one goal: to make children's health better. We believe in a holistic team approach, both in caring for patients and their families, and in advancing science and discovery. We strive to do better and find energy and inspiration in our shared purpose. If you want to be the best you can be, you can do it at Cincinnati Children's.

Cincinnati Children's is:

- Recognized by U.S. News & World Report as a **top 10 best Children's Hospitals in the nation** for more than 15 years
- Consistently among the top 3 Children's Hospitals for **National Institutes of Health (NIH)** Funding
- Recognized as one of **America's Best Large Employers** (2025)**, America's Best Employers for New Grads** (2025)
- One of the nation's **America's Most Innovative Companies** as noted by Fortune
- Consistently certified as **great place to work**
- A **Leading Disability Employer** as noted by the **National Organization on Disability**
- Magnet® designated for the fourth consecutive time by the **American Nurses Credentialing Center (ANCC)**

We Embrace Innovation—Together. We believe in empowering our teams with the tools that help us work smarter and care better. That's why we support the responsible use of artificial intelligence. By encouraging innovation, we're creating space for new ideas, better outcomes, and a stronger future—for all of us.

Comprehensive job description provided upon request.

Cincinnati Children's is proud to be an Equal Opportunity Employer committed to creating an environment of dignity and respect for all our employees, patients, and families. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, genetic information, national origin, sexual orientation, gender identity, disability or protected veteran status. EEO/Veteran/Disability