

Research Assistant Professor

The University of Chicago's Department of Radiology seeks a Research Assistant Professor to focus on development and validation of quantitative breast MRI methods for cancer screening and for predicting response to therapy. The appointee will plan, execute, facilitate, and promote advanced scientific research projects on quantitative breast MRI, especially ultrafast dynamic contrast enhanced MRI. These projects will involve the design, development, and testing of new equipment, instruments, and experimental protocols. The appointee will join an interdisciplinary group working on screening and image-guided therapy. The appointee will assist with preparation and writing of grant applications, reports, and scientific manuscripts, as well as develop their own research portfolio. The appointee may also apply for independent funding.

We especially welcome applicants with knowledge of MRI physics and technology, image reconstruction and quantitative analysis. General familiarity with breast cancer risk and breast cancer screening, including image-based screening methods will be considered, as will prior publication record and contributions to grants.

The MRI Research Center at the University of Chicago is equipped with two state-of-the-art Philips 3T scanners with specialized detectors for breast imaging. In addition, there is a 9.4 Tesla Bruker scanner for studies of small animal models of cancer. State-of-the-art computing resources are available in the Department of Radiology and in the University's Research Computing Center. A complete overview of the department is available at <http://radiology.uchicago.edu/>.

Prior to the start of employment, qualified applicants must have: 1) a Ph.D. in Electrical Engineering, Computer Science, Bioengineering, Physics, Medical Physics, or a related discipline and 2) completed postdoctoral training.

To be considered, those interested must apply through The University of Chicago, Academic Recruitment job board, which uses Interfolio to accept applications: <http://apply.interfolio.com/141306>. Applicants must upload a CV including bibliography and cover letter. Review of applications ends when the position is filled.

Equal Employment Opportunity Statement

All University departments and institutes are charged with building a faculty from a diversity of backgrounds and with diverse viewpoints; with cultivating an inclusive community that values freedom of expression; and with welcoming and supporting all their members.

We seek a diverse pool of applicants who wish to join an academic community that places the highest value on rigorous inquiry and encourages diverse perspectives, experiences, groups of individuals, and ideas to inform and stimulate intellectual challenge, engagement, and exchange. The University's Statements on Diversity are at <https://provost.uchicago.edu/statements-diversity>.

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender, gender identity, national or ethnic origin, age, status as an individual with a disability, military or veteran status, genetic information, or other protected classes under the law. For additional information please see the University's [Notice of Nondiscrimination](#).

Job seekers in need of a reasonable accommodation to complete the application process should call 773-834-3988 or email equalopportunity@uchicago.edu with their request.