Mass General Brigham

Researcher with Expertise in MR Physics

The Department of Radiology at Brigham and Women's (BWH) at Harvard Medical School (HMS) is seeking a full-time researcher with background in MR physics. Commensurate to prior track record, publications, and potential external funding resources at the disposition of the applicant, a suitable candidate will be considered for a faculty appointment at the level of Instructor or Assistant Professor.

In particular, we seek a candidate with a PhD degree in MR physics, with special interest in MR imaging methods, including diffusion imaging, as applied to both diagnostic and image-guided interventional applications. The individual should be profoundly familiar with MR pulse sequence development on clinical systems, image acquisition, and also quantitative medical image analysis. The ideal candidate will have experience working in a clinical setting. Clinical areas of focus include neurodegenerative diseases (such as Alzheimer's and Multiple Sclerosis) and oncology with an emphasis on neuro-oncology and prostate cancer. There will also be opportunities to network with other MR physicists and image processing experts who work on a wide range of medical research projects. Involvement in mentoring junior researchers and colleagues, as well as participation in teaching activities is expected.

BWH Radiology offers MRI services at the Brigham and Women's Hospital main campus at the 15, 45, 70, and 75 Francis Street entrances and at 221 Longwood Ave. MR systems installed at the Department of Radiology that are particularly accessible for research include a GE 3 Tesla Premier, a GE 3 Tesla MR750, two Siemens 3 Tesla Prisma, a Siemens 7 Tesla Magnetom Terra, and an interventional IMRIS Siemens 3 Tesla. The installation of a GE MAGNUS 3 Tesla head-only system with gradients operating at up to 300 mT/m and 750 mT/m/ms was completed earlier this year. These systems attract a large number of researchers who collaborate within various research topics.

Qualified candidates are requested to send the following to Clare Tempany (ctempany@bwh.harvard.edu), Stephan Maier (stephan@bwh.harvard.edu) and a copy to Erica Barbosa (ebarbosa7@bwh.harvard.edu).
1) A letter of application with three references
2) A curriculum vitae

Applications will be reviewed, and interviews considered only after complete application packages have been received.

We are an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law.

BWH is an Affirmative Action Employer. By embracing diverse skills, perspectives and ideas, we choose to lead. All qualified applicants will receive consideration for employment without regard to race, color, religious creed, national origin, sex, age, gender identity, disability, sexual orientation, military service, genetic information, and/or other status protected under law. We will ensure that all individuals with a disability are provided a reasonable accommodation to participate in the job application or interview process, to perform essential job functions, and to receive other benefits and privileges of employment.