The Medical Physics and Biophysics Division at the Department of Radiation Oncology is seeking a faculty-level diagnostic MRI scientist to support development of an MRI program in Radiation Oncology. The department is installing a 3T MRI unit to provide external beam simulation, MR guided brachytherapy procedures and research scanning, as well as an MR LINAC for real-time MR guided external beam treatments. The scientist will oversee the MR Safety and MR Quality Assurance programs and will participate in developing and maintaining imaging protocols needed for external beam treatment planning and for MR guided brachytherapy procedures. The scientist will also be responsible for developing imaging protocols to support the research interests of the department, as well as for developing his/her own MR-based R&D programs. The scientist will also oversee the MR aspects of the MR guided LINAC including imaging QA, developing efficient processes for real-time imaging and cooperating with therapeutic physics staff to develop image guided adaptive treatment procedures. The successful candidate will join a Physics staff of 50 including 20 faculty physicists and will provide clinical support for the department’s overall MR efforts. Close collaboration with faculty and staff in the Departments of Radiation Oncology and with the MR group in the Department of Radiology will be essential. The scientist must have a Ph.D. in physics, engineering or related field, and experience in the diagnostic use of MRI. Excellent communication skills are essential for this position. While the position is mainly clinical, interest in research and external funding will be a major advantage. Academic appointment at Harvard Medical School at the rank of Instructor, Assistant Professor, or Associate Professor will be available for appropriately qualified candidates, commensurate with experience, qualifications and fulfillment of teaching responsibilities. Interested applicants should apply via email. Please insert name of applicant on email subject line.

NOTES:
Additional Salary Information: salary commensurate with experience and qualifications

Facility and Equipment:
Facilities include 14 Varian linacs, including 2 stereotactic linacs, 2 HDR units with dedicated CT scanner, a Co-60 TBI unit and 8 CT-simulators. State-of-the-art pre-clinical focal irradiation facilities are also available.

Employer and Environment:
The Medical Physics and Biophysics Division currently provides services to the Department of Radiation Oncology, Brigham and Women’s Hospital, Dana-Farber Cancer Institute, and the Children’s Hospital at Harvard Medical School, and to outreach sites in surrounding communities. The Harvard teaching hospitals are located at the heart of Boston’s medical community. Our outreach facilities have been built as multidisciplinary Cancer Centers, and further network expansion is underway. The South Shore/Weymouth, Milford and Mansfield Cancer Centers are Network sites at the outskirt of historic Boston which is filled with academic, cultural, and outdoor attractions. Bermuda Cancer Center is our first international site.
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. Women and minorities are encouraged to apply.

Interested applicants should send a CV and cover letter to:
G. Mike Makrigiorgos Ph.D
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Professor of Radiation Oncology
Brigham and Womens Hospital
Dana Farber Cancer Institute
Harvard Medical School
Mike_makrigiorgos@dfci.harvard.edu