The Medical Physics and Biophysics Division is seeking a PhD faculty level Medical Physicist to enhance the Radiation Oncology clinical physics operation and to participate in research & development and teaching. The successful candidate will join a Physics faculty of 20 and will have a strong background and interest in image-guided radiation therapy, MR-guided adaptive radiation therapy, or stereotactic body radiation therapy. R&D topics currently pursued include image-guided treatment delivery for SBRT, VMAT, IMRT and 3D-CRT; radiation transport algorithm development; radiomics and artificial intelligence; pre-clinical models for SBRT irradiation and functional imaging; novel modes of radiation treatment using nano-medicine; and DNA-biophysics for liquid-biopsy and cancer biomarkers. The candidate should have a strong record of academic and/or clinical achievement as evidenced by scholarship and publications. Demonstrated leadership in the innovative implementation of radiation therapy technologies and/or experience in complementary disciplines such as functional imaging is a major plus. The position will be based full time in Boston and academic appointment at Harvard Medical School at the level of full-time Instructor or Assistant Professor may be possible for qualified candidates pending approval by Harvard Medical School. ABR board certification or eligibility is required for this position.

Facility and Equipment:

The Medical Physics and Biophysics Division currently provides clinical, research and teaching services to the Brigham and Women’s Hospital, Dana-Farber Cancer Institute, and the Children’s Hospital at Harvard Medical School, as well as to the new outreach Cancer Centers in the surrounding communities at Milford, South Shore, and Mansfield. Facilities include 13 Varian linacs including 2 stereotactic linacs and an MR-linac, a dedicated MR-simulator, 2 HDR units with dedicated CT scanner, a Co-60 TBI unit, and 7 CT-simulators. State-of-the-art pre-clinical focal irradiation facilities are also available.

Contact: please submit application via the AAPM online system to:

G. Mike Makrigiorgos Ph.D | Professor and Director, Medical Physics & Biophysics Division
Department of Radiation Oncology | Dana Farber Cancer Institute, Brigham and Women’s Hospital, Harvard Medical School
75 Francis street, LL2 Radiation Therapy | Boston, MA 02115
mike_makrigiorgos@dfci.harvard.edu | 617.525.7122

Employer and Environment:

The Harvard teaching hospitals are located at the heart of Boston’s medical community. Brigham Health and the Department of Radiation Oncology are committed to ensuring our diverse community feels welcome, cared for, and valued. Candidates who have experience working with a diverse range of faculty, staff and patients, and who can contribute to the climate of inclusivity are encouraged to identify their experiences in these areas.

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.