

Post-doctoral fellow - Radiation Oncology

Job Opening ID

9304497

Location

Center City, Philadelphia, PA

Full/Part Time

Full-Time

POST-DOCTORAL POSITION, DEPARTMENT OF RADIATION ONCOLOGY: Thomas Jefferson University is now accepting applications for a post-doctoral fellow in the Department of Radiation Oncology to perform research in the field of imaging analysis, high-dose-rate (HDR) brachytherapy and advanced imaging applications in brachytherapy.

The research focuses on the clinical workflow development and clinical evaluation of a mobile cone-beam CT (CBCT) for brachytherapy. The post-doctoral fellow will have an opportunity to collaborate with Thomas Jefferson faculty, national and international collaborators. For those applicants interested in pursuing a Medical Physics residency, we are committed to providing clinical experience to those candidates interested in preparing for a residency position.

Candidates must have a PhD in Medical Physics, Electrical Engineering, or a closely related field. The ideal candidate will be highly interested in an academic Medical Physics career and seek out a highly collaborative environment. Experience with brachytherapy or imaging analysis is preferred, but not required. Based on the interest of the post-doctoral fellow; opportunities will be provided to obtain clinical experience, treatment planning experience, as well as mentorship on clinical trial design.

The Thomas Jefferson Medical Physics Division consists of 26 physicists, a computational physicist, 7 physics residents, and 2 post-doctoral research fellows. The Medical Physics division has 6 locations: the Bodine Center for Cancer Treatment in Center City Philadelphia, Jefferson Hospital for Neuroscience, Asplundh Cancer Pavilion, Torresdale Hospital, Jefferson New Jersey, and Einstein Health. System-wide equipment incorporates a variety of vendors and includes Varian and Elekta Linacs, a ViewRay MRI-Linac (with plans to commission a second MRI-Linac), an Elekta Gamma Knife, and Elekta's brachytherapy studio including a mobile CBCT scanner. Treatment planning is performed mainly with Eclipse and MOSAIQ is used for record and verify. The department has established a growing Theranostics program.

Thomas Jefferson University is an Equal Opportunity Employer. Jefferson values diversity and encourages applications from women, members of minority groups, LGBTQ individuals, disabled individuals, and veterans. Applicants should forward a curriculum vitae and a statement of interest to the physics administrative assistant, Julianne Johnson (Julianne.Johnson@jefferson.edu).