Job Opening ID
9307491

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 computational physics, quality and safety, and cyberattack resiliency.

This is an exciting opportunity to work on an Agency for Healthcare Research and Quality-funded research on the developing novel method to improve cyberattack resiliency in radiation oncology. The focus of the research involves developing clinical software tools for Radiation Oncology and working with an interdisciplinary team to perform cyberattack simulated exercises in Radiation Oncology. The post-doctoral fellow will have an opportunity to collaborate with Thomas Jefferson University faculty as well as national and international collaborators. For those applicants interested in pursuing a Medical Physics residency, we are committed to providing clinical experience.

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, have strong computational skills, and seek out a highly collaborative environment. 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 and statistical modeling methods.

The Thomas Jefferson Medical Physics Division consists of 27 physicists, a computational physicist, 7 physics residents, and 5 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, and Elekta's brachytherapy studio. Treatment planning is performed mainly with Eclipse and MOSAIQ is used for record and verify.

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).