



**Duke University Medical Center**

Radiation Physics Division

Department of Radiation Oncology

January 8, 2015

**POSTDOCTORAL POSITION IN MEDICAL PHYSICS**

**Duke University Medical Center**

The Radiation Oncology Department at Duke University is seeking a qualified, postdoctoral Research Fellow for the Advanced Image Guided Radiation Therapy (IGRT) Laboratory directed by Dr. Fang-Fang Yin and Dr. Lei Ren. The successful candidate will hold a doctoral degree in Computer Science, Applied Math, Medical Physics, Biomedical Engineering, Electrical Engineering, Physics, or a related field. Previous experience with image processing, signal analysis, algorithm optimization, image reconstruction or image registration is highly preferred. Candidates should also be proficient in Matlab and C++ programming. Candidates must have a record of research publications and have good written English communication skills, and will be expected to publish significant research findings during the postdoctoral training. Candidates should have a strong interest in a future career in academia or industry.

The Advanced IGRT Lab at Duke University focuses on developing novel 2D, 3D, and 4D imaging systems and novel image reconstruction techniques for their applications in radiation therapy and interventional radiology. The projects will focus primarily on CT, cone-beam CT reconstruction and image registration. Interested candidates should send a CV by e-mail to:

Lei Ren, Ph.D.  
Assistant Professor  
Radiation Physics  
Department of Radiation Oncology  
Duke University Medical Center  
Durham, NC, 27710  
Email: [lei.ren@duke.edu](mailto:lei.ren@duke.edu)