

Title: Postdoctoral Research Fellow position open

Research Area: FLASH Radiotherapy Mechanisms

Department of Medical Physics

Supervisor: Brian Pogue

Position Requirements

The candidate will work on a funded research program in FLASH radiation therapy mechanisms, studying mechanisms of damage in mice models while also doing radiation chemistry study of the underlying mechanisms. The candidate will learn about the latest published results in FLASH radiotherapy and propose methods to improve the mechanisms of normal tissue sparing. This position requires knowledge of radiotherapy, radiation biology, and high-level of computer programming and device control work. The position requires a PhD in physical sciences or engineering with a solid understanding of radiation, data analysis methods, and academic publishing.

Position Duties

Experimental work with an ultra-high dose rate linear accelerator, radiation chemistry assay measurements, irradiation and assay work with mice models, chemistry preparation as needed. Expert level computer processing is required for data collection and analysis. A high-level ability to analyze data and summarize experimental work into publishable studies is expected.

Application Instructions

Please apply by including: a cover letter expressing your background and interests, academic CV, and a listing of 3 academic references who may be contacted. Email or application online are acceptable.

Contact Email : [bpogue \(at\) wisc.edu](mailto:bpogue@wisc.edu)