

Post-Doctoral Position at Mallinckrodt Institute of Radiology at Washington University

Background:

The Washington University School of Medicine Department of Radiology has an opening available for a postdoctoral research associate in medical imaging, with a focus on the application of advanced MR imaging techniques to an established, multi-center NIH funded neuro-oncology clinical research program.

Description:

The fellowship will focus on developing and validating imaging markers for malignant brain tumors. The project will include processing and analysis of advanced imaging data, including diffusion, perfusion, functional connectivity, and experimental hypoxia MR sequences, obtained from patients with malignant brain cancer pre-, post-, and intra-operatively. The imaging data will be analyzed in the context of a large database of associated clinical, histopathological, and genetic data. In addition, automation and semi-automation of image processing and analysis and creation of image analysis pipelines is a principal goal of the research and involvement in these programs will also be available.

The individual will support research aims described above by participating in data collection, processing, and analysis and contributing to subsequent publications. The individual will also be encouraged to pursue independent exploration of the large database developed by this study to further the broader goals of the group's research program.

Required skills:

The ideal candidate will hold a PhD or M.D. with research experience with a focus in medical physics, biomedical engineering, medical imaging physics, computer science, or the biological sciences with a particular interest in imaging or the imaging sciences. Preference will be given to individuals who have experience with MR image processing and analysis, execution of prospective clinical studies, and computer programming.

Applying:

This appointment is a training position of limited duration not to exceed five years and prior postdoctoral research experience counts towards the five-year training limit. This appointment is also contingent upon the individual having a Ph.D., M.D., or equivalent terminal degree by the start of this appointment.

This position is eligible for full-time postdoc benefits. Please visit <http://hr.wustl.edu> to view a summary of benefits.

Interested applicants should contact Dr. Daniel Marcus (dmarcus@wustl.edu).

AA/EOE M/F/D/V