Post-Doctoral Research Positions

The Laboratory of Molecular Imaging in the Department of Radiology at the Perelman School of Medicine of the University of Pennsylvania is recruiting candidates for two post-doctoral research positions to develop and implement magnetic resonance spectroscopy and optical imaging applications to preclinical studies of cancer. Special emphasis will be placed on multinuclear metabolic studies directed to the early detection of response to chemotherapy. Our laboratory has a rich history of having trained leading experts in molecular imaging in the academic community. Ample opportunities will be available for independent and collaborative research with other laboratories at this and other universities. Access to state-of-the art 1.5T, 3T and 7T Siemens whole body human MRI scanner as well as 9.4T 30 cm and 10 cm bore animal MR imaging instruments will be available together with state-of-the-art optical imaging facilities and liquid chromatography mass spectrometers.

The applicant should have a Ph.D. in biophysics/bioengineering or a related field and relevant experience in MRI. Applicants should possess knowledge of Matlab or other data processing software as well as outstanding writing and communication skills as demonstrated by a successful publication record. Experience with clinical and/or small animal MRI scanners will be a plus.

Applicants should submit the following items to Jerry Glickson at glickson@pennmedicine.upenn.edu

1. A recent CV including previous work experience.
2. A personal statement outlining their research interests and reasons for pursuing this particular training opportunity.
3. Two letters of recommendation.