

Post Doctoral Researcher Position – Department of Radiology, PSOM in Philadelphia, Pennsylvania

Description: The Department of Radiology in the Perelman School of Medicine of the University of Pennsylvania seeks candidates for a Post Doctoral Researcher Position in the Molecular Imaging Laboratory. This appointment will be initially for one (1) year and continuation during that time period and renewal are based on satisfactory performance and availability of funding (limited to three (3) years). Applicants must have a Ph.D. degree.

Responsibilities may include experiments related to development and implementation of magnetic resonance spectroscopy and imaging applications to preclinical and clinical studies of cancer. Special emphasis will be placed on multinuclear metabolic studies directed to the early detection of response to therapy. Our laboratory has a rich history of developing 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 scanners 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, liquid chromatography mass spectrometers, and other core resources for multiomic investigations.

Qualifications: Ph.D. recipients with experience of working with preclinical models of cancer. Candidates should have a working knowledge of multinuclear magnetic resonance spectroscopy/imaging (MRS/MRI) and liquid chromatography-mass spectrometry (LC-MS) techniques. In addition, applicants should have excellent verbal, writing and computer communication skills for collaboration with the research team and for disseminating the results of the project. Expertise in cell culture and cellular metabolism is desired. Applicants should possess knowledge of 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.

The successful applicant will have an opportunity to develop an individual training experience in research that allows the individual to attain personal career objectives while developing a career in an academic setting.

The Post Doctoral Researcher will be expected to collaborate with other members of the lab in their research areas and provide contributions to further development of the research program. We seek candidates who embrace and reflect diversity in the broadest sense. The University of Pennsylvania is an EOE. Minorities/women/individuals with disabilities/protected veterans are encouraged to apply.

The University of Pennsylvania values diversity and seeks talented students, faculty and staff from diverse backgrounds. The University of Pennsylvania is an equal opportunity and affirmative action employer. Candidates are considered for employment without regard to race, color, sex, sexual orientation, gender identity, religion, creed, national or ethnic origin, citizenship status, age, disability, veteran status or any other legally protected class. Questions or concerns about this should be directed to the Executive Director of the Office of Affirmative Action (<http://www.upenn.edu/affirm-action/>) and Equal Opportunity Programs, University of

Pennsylvania, 421 Franklin Building, 3451 Walnut Street, Philadelphia, PA 19104-6205; or (215) 898-6993 (Voice) or (215) 898-7803 (TDD).

COVID-19 Vaccination Policy COVID-19 vaccination is a requirement for all employees at the University of Pennsylvania. New hires are expected to be fully vaccinated before beginning work at the University. Visit the Penn COVID-19 Response website (<https://coronavirus.upenn.edu/>) for the latest information about Penn's vaccine requirements.

Contact:

Kavindra Nath, Ph.D.
Research Assistant Professor
Perelman School of Medicine
Department of Radiology, Molecular Imaging Section
B6 Blockley Hall, 423 Guardian Drive
University of Pennsylvania
Philadelphia, 19104
PA, USA
Tel: 215.746.7386
Email: kavindra.nath@pennmedicine.upenn.edu