



## **Post-doc position in PET/CT imaging**

**Position:** The Johns Hopkins University School of Medicine, Department of Radiology, Division of Nuclear Medicine is seeking a post-doctoral fellow, to start January 1<sup>st</sup>, 2015. The research will take place in the Tomographic Image Reconstruction & Analysis Laboratory of Dr. Rahmim, in collaboration with clinical research and imaging experts and an industrial partner, focusing on the development and validation of novel PET imaging techniques for translation into routine clinical imaging. In particular, the post-doctoral fellow will develop innovative oncologic PET/CT image reconstruction, tracer kinetic modeling and tumor quantification algorithms and applications, including simulations and task-based image assessment in the context of dynamic whole-body PET/CT imaging.

**Requirements:** Qualified candidates will have a Ph.D. in physics, medical physics, biomedical or electrical engineering, or a related field, and for this specific application, must have established experience in the field of PET or SPECT imaging. The candidate should have a strong interest and commitment to research. Creativity with an aim towards independent research is highly emphasized. Prior experience in one or all of image reconstruction, algorithm development, simulations and/or kinetic tracer modeling is a requirement. Knowledge of C programming and familiarity with numerical methods is also preferred.

**Application:** Interested candidates should send a CV, statement of research interests and the contacts of three references to Dr. Arman Rahmim ([arahmim1@jhmi.edu](mailto:arahmim1@jhmi.edu)). Review of applications will begin immediately and continue until the position is filled.

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