Postdoctoral Fellowship – Quantitative Metabolic Imaging in Brain

A postdoctoral research fellowship position is available immediately in Radiology at the Duke University – Center for Advanced MR Development in Durham, North Carolina, USA. Fellows will participate in a multi-disciplinary research program developing novel imaging and spectroscopic imaging methodologies for cancer and chronic disease on a Siemens TIM Trio.

Primary Research Areas

1. MRI/MRS methods for non-invasive evaluation of immunotherapeutic tumor therapies.
2. Evaluation of longitudinal efficacy of anti-angiogenic therapy through multi-parametric MRI/MRS.

Responsibilities The successful candidate will be involved in all phases of human neuroimaging research including: data collection and management, image segmentation, spectral analysis, multi-parametric cohort analysis, and the translational application of the developed tools to study patients. The candidate will have an opportunity to contribute to ongoing basic and translational research projects and will be encouraged to explore and develop new ideas.

Qualifications Candidates should have 1) a Ph.D. in engineering, computer science, physics, or related fields, 2) a track record of publication, 3) previous experience in neuroimaging, and 4) experience in computer programming and image processing (e.g. Python, C/C++, FSL, NiPy, Freesurfer) are highly desired.

Strong written communication and interpersonal skills are required. Attention to detail, organizational capability, and the ability to handle multiple concurrent tasks are essential. The post-doctoral fellow is expected to be able to work independently within a creative collaborative framework.

Position and Salary The position is funded for up to two years. A competitive salary and exciting working environment compliment the affordable living and lifestyle of the Research Triangle area.

For consideration, please submit a CV with three references and a brief description of research interests/activities by email to Brian J. Soher, Ph.D at brian.soher@duke.edu