POSTDOCTORAL POSITION IN FUNCTIONAL NEUROIMAGING RESEARCH

A postdoctoral research fellowship in advanced functional neuroimaging is available immediately at the F.M. Kirby Research Center for Functional Brain Imaging at Kennedy Krieger Institute (KKI) and Johns Hopkins University School of Medicine (JHUSOM), under the supervision of Drs. James Pekar and Ann Choe. The position is for up to two years, with the possibility of extension.

Affiliated with Johns Hopkins University School of Medicine, the Kirby Center features research-dedicated 3.0 T & 7.0 T human MRI scanners, excellent MRI-compatible auxiliary equipment, and significant computational resources. The Kirby Center is a nationally recognized (NIH P41 funded) research resource for MR technology development. See https://www.kennedykrieger.org/kirby-research-center for more information.

The successful candidate will contribute to ongoing federally funded research projects, with an emphasis on the development of cutting-edge image post-processing methods to analyze resting-state fMRI (rsfMRI) data. Ongoing projects include: 1) investigation of plastic brain functional network changes in individuals with chronic spinal cord injury and 2) investigation of the effect of gastric rhythm and gastric state on the brain’s gastric network and other brain regions. The postdoctoral candidate will have opportunities for self initiatives and to collaborate with physicians/scientists in different specialties.

Qualifications:

- A Ph.D. degree in biomedical engineering, biophysics, mathematics, computer science, bioinformatics, neuroscience, or other related fields.
- Experience in functional neuroimaging (particularly task-activated or resting-state fMRI) data analysis.
- Experience with functional neuroimaging software (AFNI, FSL, MATLAB, or other relevant programs).
- Good verbal and written communication skills.
- Ability to work independently as well as in a team environment on multiple projects.

To apply: Please send a cover letter, CV, and names of three references to Drs. James J. Pekar (pekar@jhu.edu) or Ann S. Choe (annschoe@jhmi.edu). Applications will be considered on a rolling basis until the position is filled.