

Post-doctoral fellowship in novel MRI approaches to schizophrenia



The investigators of the multidisciplinary Johns Hopkins Schizoaffective Disorders Precision Medicine Center of Excellence have recently been funded (R01MH141218) to examine brain microvasculature and CSF flow and clearance across the lifespan in individuals with schizophrenia using ultra-high field (7T) imaging. The project will include the use of a structural MRI, fMRI, iVASO (measurement of brain arteriolar blood volume) and dynamic susceptibility contrast in the CSF (cDCS), with the hypothesis that brain microvasculature and CSF flow/clearance will be associated with aging, cognition, treatment responsiveness, and functional capacity in individuals with schizophrenia.

We are seeking a post-doctoral fellow with an MD or a PhD degree (or equivalent) who is interested in a career in psychiatric neuroimaging. Applicants will need to demonstrate one of three types of expertise: 1) Brain MRI analysis and an interest in schizophrenia. 2) Clinical and research expertise in schizophrenia, with an interest in neuroimaging, or 3) (ideally) a combination of expertise in MRI analysis and clinical or research expertise in schizophrenia. The post-doctoral fellow will have the opportunity to participate in other psychiatric neuroimaging projects, and, depending on previous training, to assist with the recruitment and research assessment of study participants. Applicants should be fluent in written and spoken English, and have no legal restrictions on their capacity to move to Baltimore and work in the United States.

Post-docs will have the opportunity to work both with experts in the development and analysis of imaging at the Kirby Center of the Kennedy Krieger Institute and experts in schizophrenia and related disorders at the Johns Hopkins Department of Psychiatry.

Johns Hopkins is strongly committed to building a diverse educational and work environment, women and underrepresented minorities are strongly encouraged to apply. The Johns Hopkins University is an EEO/AAA Employer.

To apply or for further information, contact study PIs Russell L. Margolis, M.D. (rmargoli@jhmi.edu) and Jun Hua, PhD. (huajun.mri@gmail.com)