The Department of Diagnostic Radiology & Nuclear Medicine at the University of Maryland School of Medicine is seeking a post-doctoral fellow in physiological and functional imaging of the brain. The research will focus on the development of new MRI methodologies to assess cerebrovascular function, blood flow and oxygen metabolism. The scope of the research will also include the application of these new methodologies in cerebral small vessel diseases, large vessel diseases and brain injuries. The fellow will work in a multi-disciplinary research team and will interact with physicists, engineers, radiologists, neurologists, neurosurgeons, pediatricians, cognitive neuroscientists, and neuropsychologists.

The University of Maryland Center for Advanced Imaging Research (CAIR) houses a research-dedicated 3.0 Tesla Siemens Prisma scanner that is equipped with a state-of-the-art gradient and computer system. The University of Maryland Medical Center houses the Anna Gudelsky Magnetic Resonance Facility which include a wide bore (70cm) Siemens Vida 3.0 Tesla scanner and two 1.5T MR state-of-the art Siemens systems (Sola and Aera) for clinical studies.

The successful candidate will have a Ph.D. in Biomedical Engineering, Biophysics, Neuroscience, Electrical Engineering, or a M.D. in related field. The ideal candidate will have some research background in MR physics, brain physiology, image analysis, and computer skills. Experience with MATLAB is preferred.

Interested candidate should send an email to Dr. Peiying Liu at peiyingliu@som.umaryland.edu with a cover letter highlighting key qualifications and experience and current curriculum vitae.