A postdoctoral training position is available in the laboratory of Helene Benveniste M.D. Ph.D in the Department of Anesthesiology at Yale School of Medicine. The laboratory seeks to investigate the field of pre-clinical neuroscience using in vivo MRI to understand the CSF/ISF exchange (glymphatic system), BBB permeability, diffusion, and perfusion in transgenic animal models.

The post-doc will be responsible for a range of tasks including the development and optimization of MR pulse sequences, image analyses such as voxel-wise and region of interest analyses, perform routine lab duties with minimal supervision, and design and execute non-routine experiments on a basis of literature analyses under supervision. Additional duties will include assisting scans and the supervision of students on other aspects of projects.

Candidates should have an advanced degree (Ph.D. or M.D./Ph.D.) in engineering, physics, chemistry, computer science, mathematics, or related field with prior experience in medical imaging and good publication record. Candidates with other backgrounds that include strong research skills and relevant expertise will also be considered. Experience with MRI is required. Proficiency in shell scripting and/or MATLAB programming in Linux environment is required. Experience in pulse sequence development in ParaVision is preferred.

Dr. Benveniste’s research team is working under interdisciplinary and collaborative environment and the successful candidate is expected to possess strong interpersonal skills and ability to effectively communicate with other research collaborators to meet shared objectives.

Interested candidates should forward a cover letter, curriculum vitae, and a 1-2 page description of their research interests together with the names and addresses of three references via e-mail to: Helene.Benveniste@yale.edu