

Position Announcement

Postdoctoral Associate

Occupational Summary

The HIV and Addictions Research Program (HARP), directed by Dr. Christina Meade, is seeking a full-time postdoctoral fellow with a strong background in cognitive neuroscience and computer programming. Our team seeks to understand how drug addiction and HIV infection impact neurobehavioral outcomes, including decision making processes relevant to health risk behaviors. As we complete recruitment on three NIH-funded studies that included a multi-modal neuroimaging protocol (task-based and resting state fMRI, diffusion tensor imaging, and high-resolution structural scanning), we are seeking a postdoctoral fellow to make significant contributions to data analysis and manuscript writing. The postdoctoral fellow will also be responsible for assisting with data collection with human subjects for ongoing projects and for providing MRI-related training for other lab members. This position is ideal for individuals interested in pursuing an independent research career in an academic setting, and the fellow will be supported in the pursuit of independent funding (e.g., NRSA fellowship, K Awards). The position is located at the Duke University Medical Center in Durham, NC.

Work Performed

Responsibilities will include MRI data management and analysis (50%); computer programming for managing and processing MRI and other data (15%); manuscript writing (10%); data collection with human subjects (10%); assistance with grant writing (5%); training other lab members on MRI-related analyses (5%); and administrative tasks, such as IRB correspondence (5%). The position entails planning, executing, and troubleshooting analyses with minimal supervision on a daily basis. The opportunity for first-author manuscripts exists.

Education & Experience

Doctoral degree with training in neuroimaging (data acquisition, management, and analysis) is required. Interest in decision making and drug addictions is ideal.

Key Skills

Successful applicants must be motivated, reliable, and mature, able to multi-task and learn new tasks quickly, and have strong interpersonal, organizational, and communication skills. The fellow is expected to conduct MRI analyses independently (preferably with FSL) and to adapt/design new decision making tasks using programs such as MATLAB. Strong programming skills are required. Experience with MRI experimental design and data acquisition is desirable. Ideal software knowledge includes FSL, MATLAB, Unix, and statistical packages such as SPSS. The fellow is expected to work both independently and as part of our research team.

The proposed start date is summer 2015. Review of applications will begin immediately and will continue until the position is filled. The initial appointment will be for 1 year, with additional funding conditional upon satisfactory performance.

To apply, please send a CV, statement of interest, relevant manuscripts, and names of three references to christina.meade@duke.edu.