

Department of Psychiatry and Behavioral Sciences

Postdoctoral Associate Position in Human Neuroimaging

University of Miami Miller School of Medicine, Miami, Florida, USA

The Gabbay Laboratory within the Department of Psychiatry at the University of Miami Miller School of Medicine is seeking highly motivated postdoctoral scholars in the field of human **neuroimaging**. Available positions will focus on analyzing **fMRI** and proton **MR spectroscopy** data as well as acquiring or processing related MRI and biological measures.

Candidates should either have completed or be near completing a PhD in neuroscience, psychology, cognitive neuroscience, radiology, engineering, biostatistics, or a related field, and should have a strong background in **quantitative analysis**. Proficiencies with at least one major neuroimaging software suite (e.g. FSL, AFNI, SPM, Freesurfer, Caret, Connectome Workbench, etc.) and Unix/Linux environment are expected. Familiarity with Matlab, Python, and/or R programming languages is a plus. The primary responsibilities for this postdoctoral fellow will be to run scans, analyze neuroimaging data from multiple ongoing and recently concluded research projects, and write manuscripts.

Under the mentorship of Vilma Gabbay, MD and Benjamin Ely, PhD, postdoctoral scholars will be expected to advance **clinical** and **methodological** knowledge through their postdoctoral training. Our lab is dedicated to the study and treatment of **mood**, **anxiety**, and **substance use disorders** in **adolescent** and **high-risk adult** (e.g. HIV+) populations using innovative neuroimaging and immunological methodologies. The neuroimaging program features high-resolution data acquisition and analysis techniques modeled on the Human Connectome Project (HCP) and is committed to the highest standards for magnetic resonance imaging and spectroscopy.

The lab is funded by four ongoing NIH R01 neuroimaging studies (R01MH120601, R01DA054885, R01MH128878, and R01MH131207) and several smaller grants, providing unparalleled funding for active and exploratory studies. Major research topics include longitudinal studies of adolescent mood and anxiety disorders; comorbidity of depression, cannabis use, and HIV infection; and an intervention study aimed at improving well-being among healthcare workers with parental responsibilities during the COVID-19 pandemic. Project abstracts with further details can be found on NIH RePORTER.

Resources available on-campus and through long-standing collaborations include multiple research-dedicated 3T MRI scanners (Siemens Skyra/Vida/Prisma) with cutting-edge accelerated and multi-echo fMRI sequences, high-performance scientific computing clusters, and an extensive library of analytic and statistical software. The PIs are fully committed to fostering the trainee's research independence through publication of first-authored manuscripts in top journals and mentorship in grant applications. In addition to assisting with the PI’s proposals, the successful applicant will be highly encouraged to develop and pursue funding for their own research project through federal (e.g. NIH F32) or foundation grant programs by the end of their first year.

Please send a CV, statement of interest, and contact information for three references to axo833@med.miami.edu. University of Miami is an equal opportunity employer, and all qualified candidates will be given equal consideration. Priority will be given to candidates available to start sooner. Compensation will be proportional to experience and will follow standard postdoctoral fellowship rates posted by University of Miami.