



Icahn
School of
Medicine at
**Mount
Sinai**



seaver autism center for research & treatment @ mount sinai



**Postdoctoral Position
Seaver Autism Center for Research and Treatment
Department of Psychiatry**

Dr. Jennifer Foss-Feig, Assistant Professor at the Seaver Autism Center at Mount Sinai, is seeking a postdoctoral researcher to assist with EEG, MRI, and eye tracking studies of neurodevelopmental disorders. Dr. Foss-Feig's lab investigates neural mechanisms associated with autism spectrum disorders (ASD), with an emphasis on sensory and perceptual processing abnormalities that are linked to specific mechanistic hypotheses (e.g., excitatory/inhibitory imbalance). The lab also emphasizes a cross-diagnostic approach, with a focus on exploring the overlap between ASD and schizophrenia. Additional work in the lab takes a genetics-first approach, exploring neural profiles in monogenic syndromes (i.e., Phelan-McDermid syndrome, Fragile X syndrome) that are associated with ASD. Methods in the lab include EEG, MRI, eye tracking, and psychophysics-based approaches. Studies are conducted in the context of the integrated Seaver Autism Center clinical research team, where all participants undergo comprehensive clinical characterization and full exome genetic sequencing.

Candidates with a Ph.D. in neuroscience, cognitive science, computer science, psychology, statistics, or a related area will be considered. The ideal candidate will have a strong quantitative background, including previous experience in systems neuroscience research and with programming and data analysis. In particular, experience with MATLAB and familiarity with neuroimaging (e.g., FSL, SPM, AFNI, Freesurfer) and/or EEG (e.g., EEGLab, NetStation) software is strongly preferred. Expertise with advanced analysis methods (e.g., functional connectivity, multivariate analyses, frequency-domain EEG analyses) will also be considered favorably. Immediate opportunities will be available both for analyzing and publishing existing data and for contributing to design, implementation, and execution of new projects in the lab. Applicants must have good organizational skills, analytic ability, and writing skills. They must enjoy working in a fast-paced, collaborative environment. Interest and/or experience working in a clinical neuroscience setting is preferred.

This is a 1-year position, renewable for up to 5 years. The position is available immediately, but the start date is flexible. Application review will begin immediately and will continue until the position is filled. Salary is commensurate with experience, but will be no less than \$50,000. Health and other benefits are included.

To apply, please email your application to Dr. Jennifer Foss-Feig (jennifer.foss-feig@mssm.edu). A complete application should include the following: 1) A cover letter that includes start date availability as well as specific data analytic and programming language expertise; 2) CV; 3) three representative publications; and 4) three letters of reference.

About the Seaver Autism Center

The Seaver Autism Center for Research and Treatment is a fully integrated translational research center dedicated to discovering the biological causes of autism and developing breakthrough

treatments. Our mission is to bridge the gap between new discoveries at the basic science level and clinical care, by developing new and improved approaches to autism diagnosis and treatment. Our interdisciplinary patient-based research team includes psychiatrists, psychologists, a developmental pediatrician, neurologist, clinical geneticist, and trainees in medicine and psychology. The Seaver Autism Center is committed to serving individuals of all levels of functioning and takes a unique genetics-first approach to ASD research.

About the Mount Sinai Department of Psychiatry.

The Department of Psychiatry is housed just across the street from the Seaver Autism Center. Ranked among the nation's top 10 psychiatry departments for National Institutes of Health funding, department researchers are at the forefront of unlocking complex interactions between biological processes and the myriad states of the human mind. The Mount Sinai Department of Psychiatry is a vibrant community of psychiatric clinicians, researchers, educators, and trainees, recognized as being among the best departments in the region by *U.S. News & World Report*. It is also a national model for groundbreaking clinical research in neuropsychiatry. Programs offer a wide range of diagnostic and treatment services for conditions from Major Depression to Autism to Schizophrenia. Specialized treatment centers and programs forge a critical link between academic thought leaders and expert clinicians throughout the Mount Sinai Health System. The Department of Psychiatry includes a Division of Neurodevelopmental Disorders, which explores and advances the identification and treatment of disturbances in central nervous system development. It also includes the Brain Imaging Center of The Friedman Brain Institute, which is working to accelerate use of cutting-edge imaging tools to further research into the workings of the brain.

About Mount Sinai Health System

Internationally regarded for its dedication to medical science, Mount Sinai is home to an array of leading research institutes, centers, and laboratories, all of which work toward rapidly translating advances in basic science into innovative patient care. With a history rich in clinical milestones and an unequalled passion for patient-focused research, Mount Sinai has pioneered breakthroughs benefiting untold numbers of lives. The Mount Sinai Health System is also committed to providing compassionate patient care by recruiting the most skilled professionals for our patients. Join us if you share our vision of collaborative problem solving and help to shape the future of research and health care. In addition to taking the best care of our patients, we offer our employees a highly competitive compensation and benefits package, including medical, dental, vision, prescription drug coverage, a 403(b) retirement plan, and much more.

Formed in September 2013, Mount Sinai Health System combines the excellence of the Icahn School of Medicine at Mount Sinai with seven premier hospital campuses, including Mount Sinai Beth Israel, Mount Sinai Beth Israel Brooklyn, The Mount Sinai Hospital, Mount Sinai Queens, New York Eye and Ear Infirmary of Mount Sinai, Mount Sinai Roosevelt, and Mount Sinai St. Luke's.

The Mount Sinai Health System is committed to the tenets of diversity and workforce that are strengthened by the inclusion of and respect for our differences. We offer our employees a highly competitive compensation and benefits package, a 403(b) retirement plan, and much more.

The Mount Sinai Health System is an equal opportunity employer. We promote recognition and respect for individual and cultural differences, and we work to make our employees feel valued and appreciated, whatever their race, gender, background, or sexual orientation.

EOE Minorities/Women/Disabled/Veterans