

**UTHealth**  
**Post-doctoral position**

**Center for Affective Neuroscience and Computations (CAN-C)**

Multiple post-doctoral fellowship positions are open at the recently established and fast-growing CAN-C within the department of Psychiatry at the University of Texas-Health Sciences Center at Houston. Currently, there are multiple NIMH-funded projects running within CAN-C with a primary focus on the study of intersect between emotion regulation and cognitive control mediating associative learning in health and disease in the human brain. The center is directed by Dr. Mohammed R Milad (google scholar link:

<https://scholar.google.com/citations?user=dRXoWUwAAAAJ&hl=en&oi=ao>), Endowed Chair, Vice-Chair for Behavioral Neuroscience Research, and Tenured Professor of Psychiatry at UTHealth. The center is equipped with state-of-the-art experimental tools such as TMS, fMRI, EEG, and has robust computational equipment and power to conduct innovative research in the domains of computational psychiatry and machine learning. We are seeking to hire post-doctoral fellows that are eager to be part of a rapidly growing and highly productive team to help conduct ongoing projects and to develop new and exciting projects associated with the mission of our center. And being located in the Texas Medical Center at Houston, considered as the largest medical center in the world, there will ample opportunities to collaborate with outstanding investigators at multiple collaborative institutions, including Baylor College of Medicine, Texas A&M, MD Anderson Cancer Center, and several others. Post-doctoral fellows joining us would also benefit from the highly affordable cost of living and enjoy the enormous cultural diversity that Houston has to offer- being the 4<sup>th</sup> largest city in the USA. Below we list a brief description of some of the expected skills for the open positions.

**Responsibilities**

- Initiates, interprets, organizes, executes, and coordinates research assignments critical to department's mission
- Programming and computational modeling, and computer-machine interface
- Formulates and conducts research on problems of considerable scope and complexity.
- Explores subject area and defines scope and selection of problems for investigation through conceptually related studies or series of projects of lesser scope.
- Develops new ideas that promote current research. Exercises a high degree of creativity, foresight, and mature judgment in planning, organizing, and guiding extensive scientific research programs and activities of outstanding novelty and/or importance.
- Ensures timely and accurate completion of research projects.
- May be responsible research/lab quality control and compliance.
- May develop protocol for the collection and quality of research data.
- Develops complex programming scripts and computational tools to analyze large and complex neuroimaging datasets
- Develops tools to analyze neuroimaging data to be utilized for grant applications.
- Takes the lead in manuscript preparations and publications.

**To Apply:**

All application materials should be sent electronically to:

Mohammed R. Milad, PhD

Professor

Vice Chair for Behavioral Neuroscience research

Executive Director, Center for Affective Neuroscience and Computation

Training Director, Neuroimaging Fellowship Program

John S. Dunn Endowed Chair

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