

Research Career Development Track Alumni

2023

Mira Milad, MD

After earning her undergraduate and medical school degrees in Lebanon, Mira developed an interest in studying the neural mechanisms of anxiety and trauma. She completed postdoctoral training, studying the neuroscience of trauma- and stress-related disorders at Harvard Medical School and Massachusetts General Hospital and then at the University of Illinois at Chicago before joining the Psychiatry Residency at NYU Grossman School of Medicine. She used functional MRI to explore brain network mechanisms in post-traumatic stress disorder (PTSD) and other psychiatric disorders and studied the influence of cognitive modulators on brain activations. During residency, she gained additional training in computational modeling and advanced statistics to interrogate large neuroimaging datasets, including task-based and resting-state functional MRI, in patients with PTSD and other diagnoses. The overarching goal of her training was to improve diagnostic accuracy and enhance the efficacy of current therapies for anxiety- and trauma-related disorders.

Petros Petridis, MD

Petros Petridis received his BA in biology at Columbia University before completing an MS in biomedical engineering supported by the National Science Foundation Graduate Research Fellowship Program. Petros remained at Columbia for his MD where he spent an additional year researching applications of functional MRI for detecting brain tumor infiltration. Petros works within NYU Langone's Center for Psychedelic Medicine. Opens in a new tab. His current research interests are focused on understanding the therapeutic potential of psychedelic compounds for treating a variety of psychiatric conditions. He plans to use resting-state and task-based blood oxygenation level-dependent functional MRI along with other advanced techniques to elucidate the neural correlates by which psychedelics exert their effects

2022

Yoonju Cho, MD, PhD

Yoonju Cho began her training in neuroscience at Johns Hopkins University, where she studied sensory perception via psychophysics on human subjects as well as electrophysiology of single-cell recordings from awake, behaving animals. Through her MD/PhD training at NYU Grossman School of Medicine, she became fascinated by how psychiatric disorders such as depression can influence sensory perception and treating their psychiatric disorders could alter the sensory experience in those patients. Yoonju's research interests include investigating neurobiological pathophysiology of psychiatric disorders and advancing neurostimulation treatment methods such as electroconvulsive therapy, transcranial magnetic stimulation, and photobiomodulation.

Daniel Roberts, MD

Daniel Roberts is interested in exploring the therapeutic potential of psychedelic compounds in a psychotherapeutic framework. He is currently involved in a phase 2 clinical trial exploring the treatment potential of psilocybin for major depressive disorder, and as part of the current faculty at NYU, he plans to expand his involvement into the growing number of psychedelic research projects here at NYU Grossman School of Medicine. Daniel earned his BA in philosophy and religious studies at Purdue University and his MSW from the University of Michigan. He worked as a clinical social worker focusing in the area of co-occurring disorders before completing his MD at the Michigan State University College of Human Medicine.

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2021

Wei (“Vic”) Qi, MA

Wei “Vic” Qi graduated from Shanghai Jiao Tong University, School of Medicine, with postdoctoral training in psychiatry, and received an MA in clinical psychology from Teachers College, Columbia University. She studied post-traumatic stress disorder risk prediction before starting her residency at NYU Grossman School of Medicine, which led to her fascination with the neurobiology of schizophrenia. Her dream is to one day develop an effective treatment for negative symptoms of schizophrenia.

Mu Xu, MD, PhD

Mu Xu earned his PhD in developmental genetics at NYU in the laboratory of Christine Rushlow, PhD. He then conducted his postdoctoral research in fly muscle development in the laboratory of Mary Baylies, PhD, at Memorial Sloan Kettering Cancer Center. Subsequently, Mu went on to obtain his MD from the University of Chicago Pritzker School of Medicine. His research interests include precision medicine integrating molecular biomarkers to predict responses to different medications in military veterans with post-traumatic stress disorder and substance use disorders. Another aspect of his research is clinical trials on the efficacy of some medications in subjects with both post-traumatic stress disorder and alcohol use disorder.