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2011-2012 Gray Matters at Columbia Fellows

Ragy Girgis, M.D.



Dr. Ragy Girgis' research uses positron emission tomography (PET) imaging in clinical trials with the goal to identify, develop and test new treatments for schizophrenia.

Alla Landa, Ph.D.



Dr. Alla Landa is studying the neural circuitry and immune profile of pain sensitivity. The findings from healthy controls will be used to contrast with findings from patients who developed chronic pain after getting Lyme disease to determine if central pain sensitization may play a role in ongoing chronic symptoms.

Holly Moore, Ph.D.

Dr. Moore is the current Sidney R. Baer, Jr. Fellow



Dr. Holly Moore's two main goals of her research are to study the development of connectivity within neural circuits known to be altered in schizophrenia-related disorders and to manipulate brain development in rodents to 'create' a brain with specific forms of cellular and regional abnormalities observed in the brains of schizophrenia patients.

Carolyn Rodriguez, M.D., Ph.D.



Dr. Carolyn Rodriguez's research focus is to identify, test and developing novel treatment strategies for patients suffering from Obsessive Compulsive Disorder (OCD), by integrating the latest neuroscience discoveries with clinical research.

Angela Tseng, Ph.D.



Dr. Angela Tseng utilizes functional magnetic resonance imaging (fMRI) to study brain and behavioral responses to emotion in healthy individuals and in children and adults diagnosed with autism spectrum disorders (ASD). This research is conducted in order to identify atypically developing neural systems in emotion processing with the goal of better targeting medication and behavioral therapies.