

2020 Funded Research: \$474,957



Drs. Jessica Baker & Crystal Schiller • \$39,065 • Eating Disorders

Bulimia symptom tracking with MRI

This study will use MRI technology to follow how ovarian hormones affect symptoms of bulimia such as binge eating.



Dr. Gabriel Dichter • \$50,000 • Autism

Investigating neuroinflammation in autism

This study will collect PET brain images from females with autism to evaluate the neuroinflammation differences between males and females.



Dr. Serena Fiacco • \$31,107 • Depression

Major depressive disorder in perimenopause

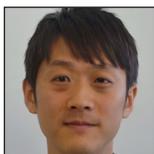
This study will track inflammation levels in perimenopausal women to predict the development of Major Depressive Disorder.



Dr. Jessica Girault • \$39,718 • Genetics

Parent-child traits in neurogenetic disorders

This study will use parental traits data to explain brain and behavior variability in children with neurogenetic disorders like Fragile X syndrome and Down syndrome.



Dr. Hiroyuki Kato • \$40,000 • Schizophrenia

Auditory hallucination disruptors in schizophrenia

This study will investigate how disruptions in auditory cortex signals affect information processing during auditory hallucinations in patients with schizophrenia.



Dr. Mary Kimmel • \$42,000 • Women's Mood Disorders

Gut microbiota, diet, and DNA changes in the postpartum period

This study will analyze how gut microbiota and diet factors affect genes during the postpartum period to identify biomarkers for precision medicine treatments.



Dr. Zoe McElligott • \$60,000 • Schizophrenia

Measuring gene stress levels in schizophrenia

This study will follow stress reactions of genes in the brain region associated with schizophrenia to create a “genomic library” of gene-stress variations and interactions.



Dr. Leslie Morrow • \$48,070 • Women's Mood Disorders

Brexanolone effects on postpartum depression

This study will track inflammatory markers to determine the anti-depressant effects at various concentrations of brexanolone, the first FDA-approved treatment for postpartum depression.



Dr. Eliza Park • \$39,997 • Anxiety

Online communication tools for parents with cancer

This study will use a web-based intervention providing tailored guidance to parents with cancer to decrease anxiety when communicating with their children about the diagnosis.



Drs. Anthony Zannas & Jose Rodriguez-Romaguera • \$85,000 • Anxiety

COVID-19-related stress disorders in frontline healthcare workers

This study will assess stress responses and recovery in healthcare workers on the frontlines of the COVID-19 crisis by measuring social avoidance cues during stress tasks. It will form the foundation of the *Carolina Stress Initiative* to help reduce the worldwide burden of stress-related diseases emerging from the COVID-19 pandemic.

To learn more, visit www.walkforhope.com/research