

# 2022 Approved Research to date: \$478,028



**Dr. Alana Campbell • \$92,932 • Anxiety**

*Evaluating anxiety and emotion in children and parents*

This project explores brain and behavioral markers of emotion and anxiety in parent-child dyads to discover better ways to help young children process stress, feelings, and emotions.



**Dr. Sara Faccidomo • \$39,565 • Alcoholism / Substance Abuse**

*Mitigating anxiety and other side effects in individuals with substance use disorder*

This study will investigate how a specific brain protein mitigates the side effects of repeated drug use that can cause anxiety in individuals with substance use disorder.



**Dr. Hiroyuki Kato • \$40,092 • Autism / Developmental Disabilities**

*Investigating sensory overload responses in Autism Spectrum Disorder*

This study will provide data on how to identify the brain circuits that lead to sensory overload in individuals with autism spectrum disorders through auditory sound processing.



**Dr. Samuel McLean • \$59,168 • PTSD**

*Reducing PTSD symptoms after sexual assault*

This study tests the feasibility and initial efficacy of a 5-session teletherapy intervention designed to reduce or prevent severe posttraumatic stress symptoms after sexual assault.



**Dr. Leslie Morrow • \$98,500 • Alcoholism / Substance Abuse**

*Identifying biomarkers to gauge drinking severity in Alcohol Use Disorder*

This study will use inflammatory biomarkers in plasma from excessive alcohol drinkers to determine if those immune signals predict Alcohol Use Disorder drinking severity.



**Dr. Juan Carlos Prieto • \$66,691 • Autism / Developmental Disabilities**

*3D modeling and analysis of brain shape effects on neural function*

This study will combine MRI and AI data to create framework 3D models to interpret connections and differences between brain shape, cognitive function, and neural networking.



**Dr. Danielle Swales • \$40,000 • Women's Mood Disorders**

*Monitoring hormone changes during pregnancy in women at risk for perinatal depression*

This study aims to shed light on how hormone changes across pregnancy relate to the onset of irritability in women at risk for perinatal depression.



**Dr. Mengsen Zhang & Dr. Tobias Schwippel • \$41,080 • Depression**

*Evaluating brain synchronization in stressed college students during treatment*

This study will track through EEG how synchronized brain activity between college students experiencing stress and their therapists may help predict successful treatment outcomes.

**38 Years of Impact**

**\$7.4 M** seeded → **\$211 M** total leveraged growth

To learn more, visit [www.walkforhope.com/research](http://www.walkforhope.com/research)

Since 1984, The Foundation of Hope for Research and Treatment of Mental Illness has awarded 172 scientific research grants totaling more than \$7.4 million; these funds have leveraged an additional \$211 million from the National Institute of Mental Health and other federal and private agencies.