

Transdiagnostic Cognitive Biomarkers

Status: Recruiting

Eligibility Criteria

Age: 18 years and over

This study is also accepting healthy

Healthy Volunteers: volunteers

Inclusion Criteria:

Chronic refractory pain or depression: - chronic pain that is not controlled with oral pain medications or - diagnosis of major depression - Healthy participants: adults at least 18 years old

Exclusion Criteria:

Contraindication to TMS: - Metallic hardware in close contact to the discharging coil (such as cochlear implants, deep brain stimulator, medication pumps) - History of seizures - Epilepsy - Contraindications to MRI - Inability to complete tasks associated with study - Pregnancy - Pediatric participants - Adult lacking ability to consent - Non-English speaking - Blindness
Healthy Controls: - diagnosis of chronic pain or depression

Conditions & Interventions

Conditions:

Brain & Nervous System, Mental Health & Addiction

Keywords:

brain, Depression, fMRI, imaging, MRI, Pain, stimulation, TMS

More Information

Description: The overall objective of this study is to determine the feasibility of identifying transdiagnostic biomarkers of cognitive function mediated by neuromodulation of the dorsolateral prefrontal cortex that are translatable across disease groups in order to more accurately phenotype clusters of cognitive dysfunction. Completing behavioral paradigms with electrophysiology and TMS is a challenging frontier. This study focuses on the feasibility of such an endeavor for those with chronic pain or depression as well as healthy controls.

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Phase: NA

IRB

Number: STUDY00011759

System ID: 32102

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