Studying the phase-dependent effects of paired-pulse TMS on motor excitability

Status: Recruiting

Eligibility Criteria

Sex: Male or Female
Age Group: 18 years and over
This study is also accepting healthy volunteers

Inclusion Criteria:

- right-handed

Exclusion Criteria:

- history of epilepsy or seizures - mental health condition and/or take medication - metal near head, neck, ears, or shoulders except removable piercings

Conditions & Interventions

Conditions:
Brain & Nervous System
Keywords:
electroencephalography (EEG), electromyography (EMG), Transcranial Magnetic Stimulation (TMS)

More Information

Description: This study is about understanding how TMS affects the balance between inhibitory and facilitatory processes in the motor cortex. The study includes an experimental device, specifically transcranial magnetic stimulation (TMS), electroencephalography (EEG), and electromyography (EMG). TMS is a non-invasive brain stimulation method to probe brain activity. EEG is used to record brain activity through electrodes placed on the head, while EMG measures muscle activity through sensors attached to the skin.
Study Contact: Da Som Choi - choi0908@umn.edu
Principal Investigator: Alexander Opitz
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