

## Optimizing transcranial magnetic stimulation for stimulant use disorder

**Status:** Recruiting

### Eligibility Criteria

**Sex:** Male or Female

**Age Group:** 18 years and over

This study is also accepting healthy volunteers

**Inclusion Criteria:**

- age 18 or older - able to abstain from drug and alcohol use for at least 2 weeks - confident level of English language proficiency

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**Exclusion Criteria:**

- any organic brain disorder (such as traumatic brain injury, stroke) - head injury resulting in skull fracture or loss of consciousness for 30 minutes or more - unable to have TMS (history of seizures, metallic cranial plates/screws or implanted device) - unable to have a MRI (unapproved metallic implants, pacemakers or any other implanted electrical device, shrapnel, metallic braces, non-removable body piercings, pregnancy, breathing or movement disorder, claustrophobia) - any psychotic disorder (Participants with other treated and stable psychiatric disorders will be included) - pregnancy or breastfeeding

### Conditions & Interventions

**Conditions:**

Mental Health & Addiction

**Keywords:**

brain imaging, EEG, MRI, neuromodulation, TMS

### More Information

**Description:** We want to learn more about your brain processes, and how a type of brain stimulation device called TMS can be used to enhance treatment for stimulant use disorder.

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**Principal Investigator:** Kelvin Lim

**IRB**

**Number:** STUDY00021548

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