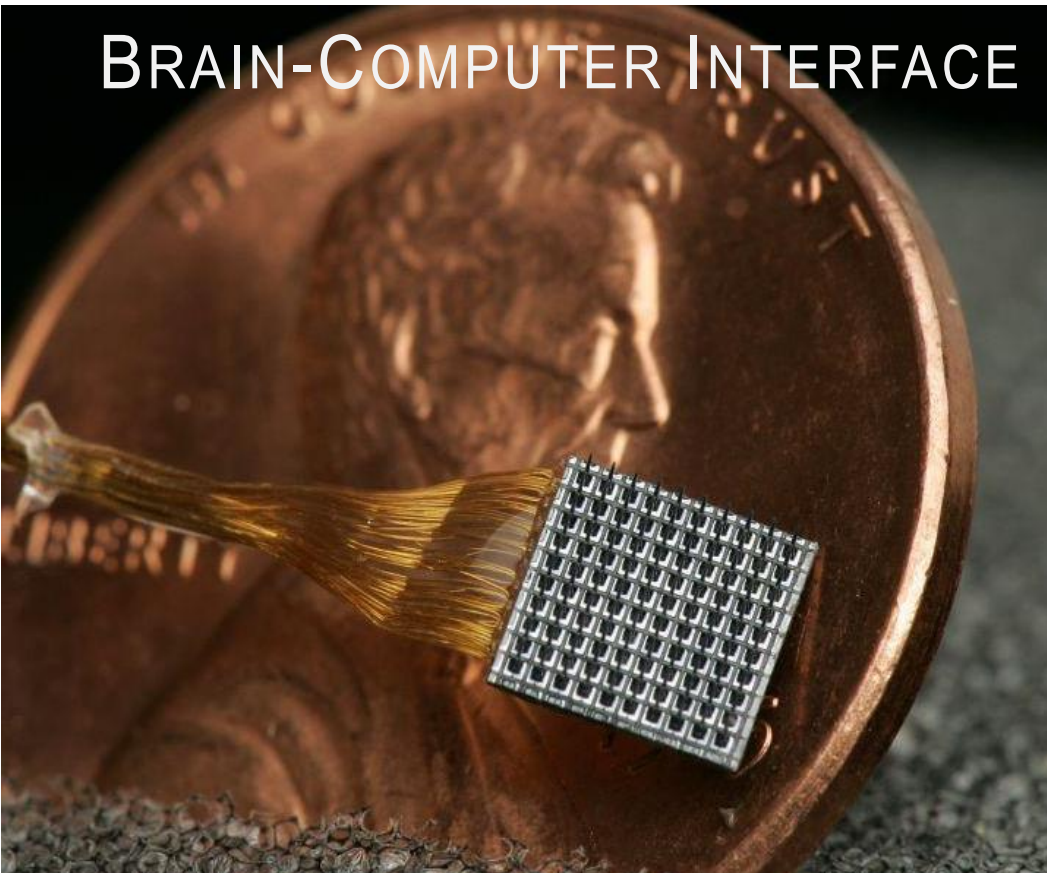


# BRAIN-COMPUTER INTERFACE

# RESEARCH



## STUDY DETAILS

- **ELIGIBILITY TO PARTICIPATE**  
Limited or no ability to use both hands due to cervical spinal cord injury, or brainstem or spinal stroke. Age 22-70. Must live in or near the Pittsburgh area.
- **ADDITIONAL CRITERIA**  
We will review additional criteria with you prior to enrolling.
- **STUDY INFORMATION**  
ClinicalTrials.gov – NCT01894802.
- **COMPENSATION**  
You will be compensated for your time and travel.

## PURPOSE OF THIS RESEARCH

The goal of this research study is to investigate the safe and effective use of multiple arrays for long-term recording of brain activity and sensory feedback as part of a brain-computer interface (BCI). A BCI could be useful for controlling assistive technologies that can help people complete activities of daily living. We have received FDA approval to conduct a research study to surgically implant multiple sensors on the brain for a duration of up to 5 years under an Investigational Device Exemption (IDE). Study physicians will monitor health regularly.

Device may be implanted for 5 years in order to evaluate its effectiveness and safety. This study will involve two surgeries – one to implant, then a second to remove the research devices. Testing may be conducted multiple days per week. Information learned will support the development of a fully implantable neurally controlled system with movement and sensory capabilities.

University of Pittsburgh



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Call 412.383.1355 for more information.