



RESEARCH

HIGH-RESOLUTION BRAIN IMAGING OF UPPER-LIMB AMPUTEES AND CONTROLS

The purpose of this research study is to collect MRI and MEG brain imaging data from individuals who have **arm amputation** and individuals with healthy movement control of both arms.

This data will assist neuroprosthetic researchers in the development of a wearable and implantable Brain-Computer Interface (BCI) system for upper limb amputees. This is a **minimal risk** study.

Testing will include questionnaires, a MR safety screening and multiple MRI and/or MEG brain imaging. MEG records magnetic fields produced by electrical currents occurring naturally in the brain, using very sensitive magnetometers.

Testing will be limited to **4 hours** per visit and up to 5 visits. You will be compensated \$50 plus a UPMC parking pass for each visit.



**University of
Pittsburgh**

Age 18 - 65

**Normal vision or
corrected-to-
normal vision**

HEALTHY CONTROLS:

**No neurological
disease, pain or
impairment**

AMPUTEES:

**Arm amputation at
least one year ago**

RNEL LABORATORY

3520 Fifth Avenue
Pittsburgh, PA 15213

For more information

Call 412-383-1355