



UPPER LIMB EMG RESEARCH for CONTROL of ADVANCED PROSTHESES

Researchers at the University of Pittsburgh are recruiting participants for research to study hand movement/control to develop better prosthetic arms

You may be eligible to participate in this study if you:

- ✓ Are between the ages of 18-70
- ✓ Have a trans-radial (forearm or wrist) amputation that occurred at least one year ago, OR have two healthy arms
- ✓ If you are female, you must not be pregnant

Research participation involves experimental testing that lasts **approximately eight (8) hours**. We will work with an interested individual's schedule.

This research study involves risks that are typically associated with **electrode placement**. Testing involves twelve or more (12+) electrodes on and under the skin of the arm to capture muscle data.

Participants will be asked to watch various arm/hand movement videos and imagine or attempt similar movements. Questionnaires will also be completed

We believe that information learned through this study will support the development of a system that could someday be used to improve function for people with amputations.

Your participation is completely voluntary, and you may withdraw at any time.

You will be compensated for your time.

For more information, please contact Bree Bigelow at 412-648-4035

Please call for a detailed description of the **study procedures, risks, compensation, and criteria** that you must meet in order to participate.