- Name of Organizations
  - Massachusetts General Hospital (MGH)
  - University of California, San Diego (UCSD)
- Lead Investigators
  - Sydney Cash and Eric Halgren
- Current Team Members
  - Ksenija Marinkovic, Janet Baker

- Research areas of interest:

- Neural recordings to words

- Non-invasive measures in healthy controls
  - Magnetoencephalography (MEG)
  - Electroencephalography(EEG)
  - functional Magnetic Resonance Imaging (fMRI)

- Unique qualifications and capabilities:
- Hundreds of single neuron action-potentials
  - Information encoding at single neuron level
  - Separation of pyramidal and interneurons
- Neuronal transmembrane currents
  - Localized to different cortical layers
  - Enables circuit analysis, separation of top-down from bottom-up processing

- We are seeking:
  - to contribute to a larger group effort.
- Our contribution could be:
  - Novel experiments
  - Analysis of existing data
  - Consulting on implications of the neural bases of word understanding for computational approaches

Contact Information

- Sydney Cash, M.D., Ph.D.
  - Assoc. Prof. of Neurology, Harvard Medical School
  - scash@partners.edu
  - (617) 726-9208
- Eric Halgren, Ph.D.
  - Prof. of Radiology and Neurosciences, UCSD
  - ehalgren@ucsd.edu
  - (858) 822-8385