

# Lab Equipment

## Speech & Phonetic Research

### Speech Recording

The speech lab has five acoustically treated recording booths. It is possible to record participants in each booth simultaneously. Each booth is equipped with a Røde 1000 large diaphragm condenser microphone and XX head phones. Alternatively there are also XX headsets.

There is also a Earthworks Audio M23R measurement microphone for recording stimuli.

### Laryngograph

We have two Laryngograph D200 laryngographs and one D600 laryngograph.

### Ultrasound Tongue Imaging

There are two Articulate Instruments Micro ultrasound tongue imaging systems available. Both systems have a 20mm radius ultrasound probe and an UltraFit headset. We also have a 10mm radius ultrasound probe available. We also have EMA compatible headsets available.

### Electromagnetic articulography (EMA)

We have a Carstens Medizinelektronik AG501 Articulograph capable of recording 24 channels.

### EMG

## Psycholinguistics Neurolinguistic Research

### Electroencephalogram (EEG)

The lab is equipped with two electromagnetically shielded booths for running EEG experiments. Each booth is equipped with a *BrainProducts ActiChamp* EEG system. Each system is capable of recording 32 to 160 channels. Each booth is also equipped with a *capTack* digitisation system to record electrode position information.

We also have a *Biosemi ActivTwo* system capable of recording up to 128 channels. The MK2HS system is capable for recording 128 channels with a maximum sample rate of (16 kHz).

## Functional near infrared spectroscopy (fNIRS)

We are in the process of procuring an fNIRS system which should be available for use by the end of 2021.

## Eye Tracking

An SR Research Eyelink 1000 Plus. With both a desktop and tower mount.

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