

## **Department of Psychology Shared Research Facilities/Equipment**

### **Eyelink eye trackers** (multiple)

Vendor: [www.sr-research.com](http://www.sr-research.com)

Location: Meyer Hall (various labs)

Faculty Contacts:

Marisa Carrasco,

Clayton Curtis, [clayton.curtis@nyu.edu](mailto:clayton.curtis@nyu.edu)

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Michael Landy, [landy@nyu.edu](mailto:landy@nyu.edu)

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### **Optotrak Certus**

<http://www.ndigital.com/msci/products/optotrak-certus/>

Track and analyze kinetics and dynamic motion in real-time with this powerful research-grade motion capture system that features exceptional spatial and temporal accuracy.

Location: Meyer Hall, 2<sup>nd</sup> Floor.

Faculty Contacts:

Michael Landy, [landy@nyu.edu](mailto:landy@nyu.edu)

Laurence Maloney, [ltm1@nyu.edu](mailto:ltm1@nyu.edu)

### **Center for Brain Imaging**

Website: [cbi.nyu.edu/](http://cbi.nyu.edu/)

Faculty Contact: Elizabeth Phelps ([liz.phelps@nyu.edu](mailto:liz.phelps@nyu.edu))

**3T MRI scanner:** Siemens Allegra 3T head-only scanner: The magnet is compact (1.25m long, 4 tons) and actively shielded, resulting in a fringe field comparable to that of a 1.5T whole-body system. The scanner is equipped with eight fast receivers (1 MHz), a high performance, head gradient system with a maximum gradient strength of 40 mT/m and a slew rate of 400 mT/m/sec, and RF coils from Siemens and third party coil manufacturers.

**EEG:** lab includes a 128 channel EEG system using the Geodesic Sensor Net technology developed by Electrical Geodisics, Inc. ([EGI](http://www.eegi.com)). EEG offers an approach to studying human cortical function that is complementary to fMRI.

**TMS:** Magstim Rapid 2 System

### **KIT/NYU MEG Lab**

Location: Meyer Hall, 2<sup>nd</sup> floor.

Website: [psych.nyu.edu/nellab/meglab.html](http://psych.nyu.edu/nellab/meglab.html)

Faculty Contact: Alec Marantz, [marantz@nyu.edu](mailto:marantz@nyu.edu)

*The MEG system* was provided by the Kanazawa Institute of Technology (Tokyo, Japan) as part of collaboration with its Applied Electronics Laboratory. The same system is also developed and marketed by Yokogawa Electric Corporation (Yokogawa, Japan) as the MEG Vision. It is a recumbent system, with the dewar fixed in position. We refer to our system as having 160 channels, but in actuality it contains:

- 157 axial gradiometers used to measure brain activity
- 3 orthogonally-oriented (reference) magnetometers located in the dewar but away from the brain area, used to measure and reduce extramural noise offline
- 32 open positions, of which we currently use 8 to record stimulus triggers