

Cognitive Neuroscience Unit

A Unit for cutting-edge Neuroscience

Discover what's new!



Institut de Neurociències
UNIVERSITAT DE BARCELONA



**EXCELENCIA
MARÍA
DE MAEZTU**

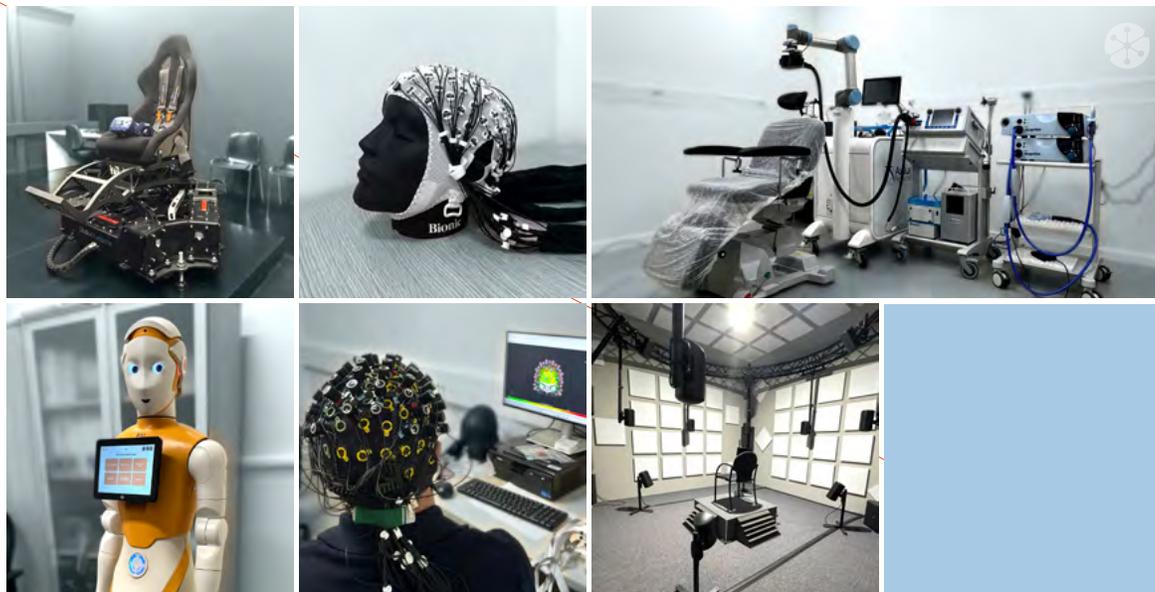
A Unit for cutting-edge Neuroscience

We provide the equipment, resources, and technical expertise necessary to support research spanning **from animal models to human studies across the lifespan**, addressing both fundamental and applied neuroscience questions.

State-of-the-art facilities and equipment

The unit consists of modular laboratories equipped with highly adaptable and capable technology, including:

neuronavigated and robot-guided transcranial magnetic and electric stimulation (TMS, tES), high-density electroencephalography (EEG), peripheral electrophysiology, functional near-infrared spectroscopy (fNIRS), motion simulation and capture, virtual reality, eye-tracking devices, a social robot, and a semi-anechoic chamber with 3D loudspeaker array.



Specialized technical support

The unit is overseen by highly experienced technician-scientists with a deep understanding and know-how of all techniques available.

Available services*

- Experiment setup and training
- Troubleshooting assistance during data acquisition
 - Temporary data storage
- Experimental design and grant application consultation
- Experimental neuropsychiatric treatments and clinical trials
- Participant recruitment & follow-up
 - Data collection
- Multimodal data processing and analysis
- Prototype technology testing and refinement

***Additional services can be arranged on demand**

*Submit a request to use the unit.
Feel free to contact us.*

<https://www.neurociencias.ub.edu>



Cognitive Neuroscience Unit

Campus Mundet. Edifici de Ponent,
3r vagó 1r pis. Passeig de la Vall d'Hebron, 171
08035 Barcelona

• Phone: 934 037 612



UNIVERSITAT^{DE}
BARCELONA