



**CENTRO DI ATENEO  
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## CALL FOR HD-EEG PROJECTS

### PURPOSE

The PNC announces a call for proposals for the selection of high-density electroencephalography (HD-EEG) research projects submitted by fellows and doctoral students from the PNC and PNC-supporting departments (<https://pnc.unipd.it/supporting-departments/>). Through this call, PNC intends to facilitate the development of research based on the use of hdEEG signals by Ph.D. students and young Post-Doctoral Fellows, and, at the same time, to promote the acquisition of preliminary data for the submission of national and international projects in the field of basic and clinical system neuroscience.

### BUDGET AND EVALUATION COMMITTEE

The total budget made available is equal to €20,000 to be divided among the projects selected by the PNC Board of Directors depending on their scientific validity and adherence to the guidelines. Each individual project cannot exceed a budget of €4,000.

The Board must conclude the work within 60 days from the deadline for submitting the projects.

### GUIDELINES AND EVALUATION CRITERIA

Projects must be in the field of systems neuroscience, with an emphasis on projects in cognitive, clinical, computational, and methodological areas. Projects will be evaluated on the basis of their feasibility and ability to be able to generate data (even if only preliminary) that answer international-level research questions with a view to submission to national or international research projects, with particular attention to projects that facilitate the careers of young researchers (STARS, Marie Curie, Junior ERC, Young Researchers, etc.). For equal evaluation, multidisciplinary projects will be preferred.

The system available is the 256-channel EGI System. The system is equipped with 3 sensor nets of sizes 54-56 cm, 56-58 cm and 58-60 cm. A Faraday cage is also available.

The hourly costs and fundable hours per call are detailed in the table below, according to the cost table established in the meeting of the PNC Board of Directors dated July 18, 2023.

Budget	Cost x subject	Maximum total eligible costs x project
€ 20,000	€ 50	€ 4,000

### ADMISSION REQUIREMENTS

The following are eligible to apply for project funding as scientific managers:



- Post-doctoral Fellows and Ph.D. students from the PNC and PNC-supporting departments (<https://pnc.unipd.it/supporting-departments/>).

#### **ETHICS COMMITTEE**

All research projects involving healthy human subjects must be approved by the Ethics Committee of the University of Padua. Projects involving patients must be approved by the Ethics Committee for Clinical Trials (CESC) of the Province of Padua, based at the Padua Hospital.

#### **PROPERTIES OF THE ACQUIRED DATA**

The acquired data belongs to the PI, who is required to share them with other PNC members. The data will be deposited according to approved schemes at the PNC server.

#### **MODE OF SUBMISSION OF PROJECTS**

Each applicant may submit only one research proposal as PI or may be a member of only one research project.

Applications for project funding, written in English, must be signed by the proposer and her/his PhD Supervisor or Research Fellow, and sent, in .pdf format, by e-mail to [administration.pnc@unipd.it](mailto:administration.pnc@unipd.it) by 26/10/2023 at 6:00 p.m., filling out the template available at:

<https://pnc.unipd.it/category/working-at-pnc/available-positions/>.

#### **VERIFICATION OF RESULTS**

Halfway through the project, i.e., after acquiring 50% of the planned subjects, the Principal Investigator should present a report on the activities already carried out and the results of the initial analyses during a PNC meeting and highlight any critical issues and deviations from the initial schedule.

Padua, September 25, 2023

The Director of the PNC  
Prof. Alessandra Bertoldo