Call for applications for the award of No. 1 post-doc research contract pursuant to Article 22-bis of Law No. 240/2010, Scientific Disciplinary Group 05/BIOS-06 - Physiology, Scientific Disciplinary Sector BIOS-06/A - Physiology, at the Research Unit in Neurophysiology and Neuroengineering of Human–Technology Interaction Lab (NeXT Lab) and the Departmental Faculty of Medicine, Surgery and Dentistry of Università Campus Bio-Medico of Rome.

Competition code: IPD/03_26

Departmental Faculty/Research Unit of affiliation	Medicine, Surgery and Dentistry/ RU of Neurophysiology and Neuroengineering of Human–Technology Interaction Lab (NeXT Lab)
Place where the activities will be carried out	Center for the Health of the Elderly (CESA), U.C.B.M.
Contract duration (at least one year)	1 year
Scientific Disciplinary Group	05/BIOS-06 - Physiology
Scientific Disciplinary Sector	BIOS-06/A - Physiology
Subject of the contract	Design and development of experimental platforms and sensory feedback systems for the study of embodiment of artificial limbs
Brief description of the research program to which the position is linked	The research program is aimed at the design and development of experimental platforms and virtual environments for investigating the factors influencing the embodiment of artificial limbs, including upper-limb prostheses, robotic limbs, and virtual limbs, as well as the development and validation of sensory feedback and sensory substitution systems to promote their integration into the body schema. The research activities will include the experimental validation of the developed platforms and devices through studies involving both able-bodied participants and individuals with upper-limb amputation. These studies will evaluate the effectiveness of different sensory feedback approaches in promoting embodiment, motor control, and functional performance using behavioral and neurophysiological measures, including electroencephalography (EEG), electrocardiography (ECG), and skin conductance recordings. The program also aims to identify the key sensory and neurophysiological factors underlying embodiment and the intuitive control of artificial limbs by developing and evaluating

	innovative approaches based on non-invasive neuromodulation techniques.
Teaching and third mission activities in which the postdoctoral fellow is required to collaborate	The post-doc researcher will collaborate in the teaching activities of the Department, carrying out teaching duties, including direct responsibility for teaching modules and lectures within degree programs related to the relevant scientific-disciplinary sector, through lectures, tutorials, and laboratory activities. The candidate will also contribute to the design and updating of teaching materials, student tutoring, and the supervision of Bachelor's and Master's theses. The post-doc researcher will further collaborate in the Department's third mission activities, contributing to the dissemination of research results and to the development of innovative systems and technologies derived from scientific activities.
Any additional qualifications subject to evaluation	Research and teaching activities carried out at universities or research institutions, participation in national and international research projects, research stays at foreign institutions, patent achievements, and other technology transfer activities.
Research Supervisor	Prof. Giovanni Di Pino
Maximum number of publications	10
Language knowledge and skills	English B2-C1
Date and time of the interview	**4th November 2026, at 10:00 a.m.** Remote candidates on Microsoft Teams platform

Digitally signed document