

In the context of the European Research Council Grant “RESHAPE: REstoring the Self with embodiabLe HAnd ProsthEs” and related National grants, we are seeking outstanding Post-Doc scientists and highly-motivated PhD students to join us in developing new tools and methods to improve the embodiment of robotic hand prostheses and supernumerary limbs, and to study the related brain processes.

Activities will be carried out in a multidisciplinary research environment (NEXTlab: Neurophysiology and Neuroengineering of Human-Technology Interaction) @ Campus Bio-Medico University, Rome Italy (<http://www.unicampus.it/next>).

Post-Doc ideal candidates should

- have relevant publications in international journals and experience in fund raising
- be English mother tongue or have good fluency
- have experience in the following topics:
 1. Programming for development/customization of interactive Virtual/Augmented Reality environment
 2. EEG/MRI signal processing
 3. Body ownership, embodiment, cognitive neuroscience.

PhD Student ideal candidates should

- be English mother tongue or have good fluency
- have a master degree (or equivalent) in
 - biomedical robotics, biomedical engineering, computer science, signal processing, or other related fields
 - medicine, neuroscience, neurophysiology, neuropsychology or other related fields

The call for applications to the PhD Programme @ Università Campus Bio-Medico di Roma is formally open and at the link below you can find all the relevant information to prepare your application:

ENG:

<http://www.unicampus.it/eng/academics/research-doctorates/application-for-admission/bandi-di-concorso/14311-research-doctorates-application-for-admission-35th-edition-2019-2020-academic-year>

ITA:

<https://www.unicampus.it/didattica/offerta-formativa/dottorati-di-ricerca/bandi-di-concorso/bandi-di-concorso/85881-bando-dottorati-di-ricerca-xxxv-ciclo-a-a-2019-2020>

The submission procedure is on-line and last day to apply will be July 4th at noon.

I'd like to point your attention on the research project which the candidate is proposing for the PhD. Such document has to be intended as a practice aimed in proving the candidate's aptitude for research and her\ his basic knowledge of research methods. By way of example, such document should include in particular: the goals of the three year research project suggested; results expected; the innovative nature of such results with respect to the state-of-the-art; methods and tools necessary for the fulfillment of the project; the expected impact.

It would be helpful that this project will have something to do with what we do in the NEXT lab (www.unicampus.it/next)

Two choices are available:

- Science and Engineering for Human and the Environment (the neuroengineering topics faced in the lab)
- Integrated Biomedical Science and Bioethics (the clinical neurophysiology and cognitive neuroscience topics)

Depending on your background and aspiration you can apply to one or both.

We will appreciate if you could confirm your interest to apply by sending an email to Domenico Formica (d.formica@unicampus.it) and/or Giovanni Di Pino (g.dipino@unicampus.it).

Please, do not hesitate to contact us for any question or doubt.