

Giandomenico Iannetti, MD PhD
Professor of Neuroscience
www.iannetilab.net



PhD position in Neuroscience and Behaviour

We are seeking candidates for a fully-funded three-year PhD position at Istituto Italiano di Tecnologia (IIT) in Rome, in the Neuroscience and Behaviour Research Line led by Prof. Giandomenico Iannetti (www.iannetilab.net). The position starting date is October 2020.

The **laboratory** uses neurophysiological, psychophysical and computational approaches – all applied to investigate fundamental questions about how the function of the nervous system generates behaviour, in both humans and non-human species. For an overview of the lab interests and publications see www.iannetilab.net and <https://goo.gl/RcYIER>. The laboratory, based at IIT in Rome is composed of an international team of researchers with complementary expertise, from physics to cognitive science.

The PhD project will focus on one of the main research topics in the lab, depending on the candidate's skills and preferences. These topics include the investigation of how the nervous system

- Identifies and reacts to surprising environmental events
- Generates painful percepts in response to noxious stimuli
- Selects appropriate actions as a function of the positions of objects in the world
- Allows human-human sensorimotor interactions

The successful applicant will receive training and utilise the laboratory's fully equipped state-of-the-art technology to combine behavioural, physiological recordings and brain stimulation, in both controlled and ecological environments.

The **candidate** should have completed their Bachelor's or Master's degree in either biological or numerate sciences, such as biology, pharmacology, psychology, neuroscience, computer science, physics, or artificial intelligence. They should have a propensity for interdisciplinary research. Strong analytical skills, and coding abilities (e.g. Matlab, Python) are desirable. The ideal candidate should be independent, proactive, suited for collaborative work in a team with senior and junior collaborators, as well as interaction with other groups in international networks.

Prospective students are invited to contact giandomenico.iannetti@iit.it.

Fondazione Istituto Italiano di Tecnologia - IIT was founded with the objective of promoting Italy's technological development and further education in science and technology. In this sense, IIT is committed to achieving its scientific program, which sees a major inspirational principle in the integration between basic scientific research and the development of technical applications. Research activities at IIT cover areas of high innovative content, representing the most advanced frontiers of modern technology with wide application possibilities in various fields from medicine to industry, from computer science to robotics, life sciences and nanobiotechnology.

Istituto Italiano di Tecnologia is an Equal Opportunity Employer that actively seeks diversity in the workforce.

Neuroscience and Behaviour Laboratory
Istituto Italiano di Tecnologia
Viale Regina Elena, 291
00185 – Rome (Italy)

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Please note that the data that you provide will be used exclusively for the purpose of professional profiles' evaluation and selection, and in order to meet the requirements of Istituto Italiano di Tecnologia.

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