

Translational Neurosciences and Neurotechnologies

Cycle	39°
Director	Prof. Luciano Fadiga (luciano.fadiga@unife.it) Department of Neuroscience and Rehabilitation
Duration	3 years
Course Type	PhD in association with the Italian Institute of Technology (IIT) Foundation
Curriculum	No
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/neuroscience
Qualification required for admission	Italian degree known as “Laurea specialistica/magistrale” or a degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270; Master’s (second level) degree, or an equivalent foreign academic qualification awarded abroad

Assessment Criteria

Evaluation of qualification: maximum score **40** points. Minimum score required to be admitted to the interview **20/40**

Interview: maximum score **40** points

Minimum final score required: 60/80

During the interview, the applicant’s knowledge of the following language will be tested

English

List of assessable credentials

Curriculum vitae et studiorum	<p>Mandatory documents: Complete Academic career information (Bachelor and Master degrees), a list of examinations and grades and final mark, for Bachelor and Masters degrees, and post degree experience; Thesis abstract (Max. length 3 pages) with the following structure: motivation, research methodology, results obtained or expected and bibliography. Only for undergraduates students the abstract must be signed by the supervisor.</p>	Up to 15 points
Research Project	<p>Max length: 3 pages in English, which must be an original proposal related to research topics listed at the following web page: http://www.unife.it/studenti/dottorato/corsi/riforma/neuroscience The project will have the following structure: introduction to the international scientific context, methods that the candidate would use, expected results and discussion about potential results. The proposed research project is not binding with regard to the subsequent topic to be developed during the three-year course.</p> <p><i>The mentioned project is not binding regarding the subsequent choice of the doctoral thesis, except for the positions with defined themes.</i></p>	Up to 15 points

	<p><i>If applying for scholarships with a specific theme, the coherence of the research project with the theme is a requirement for evaluation. Therefore, the research project must necessarily relate to the topic of interest, or else the application will be excluded. If admitted to the doctoral program, the candidate will pursue research training and the thesis consistently with the reported theme.</i></p> <p><i>It is possible to apply for a maximum of 2 scholarships with defined themes by submitting 2 distinct research projects as a mandatory requirement.</i></p>	
Scientific Publications	In extenso peer reviewed publications thought out as regarding to academic seniority.	Up to 4 points
Communications in congress	Communications and or abstract presented in national or international congress thought out regarding on academic seniority.	Up to 2 points
Others academic or professional qualifications	Certified working experiences in national or international research laboratories. Other academic qualifications thought out regarding on academic seniority.	Up to 4 points
Interview agenda/program		
During the interview, the candidate's knowledge of the course research topics and the research project proposal will be discussed. The interview will be held in English.		
Examination Timetable		
Evaluation of qualifications and interview will take place within the 19 th of September 2023. Evaluations' results, the beginning date for consulting the evaluations' results and the interview schedule will be available within the present call deadline at the following page: https://www.unife.it/studenti/dottorato/it/concorsi/esiti-prove-concorso-di-dottorato-per-il-ciclo-39deg		

TOTAL AVAILABLE POSITIONS	12
With scholarship	10
Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs	2

Regular positions with scholarship		
N°	<i>Funding institution</i>	<i>Research topic or area (if applicable)</i>
3	Università degli Studi di Ferrara	
3	Istituto Italiano di Tecnologia	
1	Co-funded by Department of Traslational and Romagna Medicine and Università degli Studi di Ferrara	Development of automated or robotic equipment for the vascular assesment
1	Co-funded by da Istituto Italiano di Tecnologia – Progetto ERC-2016- STG	Neuro-cognitive mechanisms in human-robot interaction

	715058 and Università degli Studi di Ferrara	
1	Istituto Italiano di Tecnologia – Progetto Horizon Europe Piezo4spine	Piezo-driven theramesh: A revolutionary multifaceted actuator to repair the injured spinal cord

Positions funded under Ministerial Decree No. 117/2023

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CUP: F73C23000570006

N°	Funding company	Research topic
1	Co-funded by Azienda ospedaliera Ferrara	Development and implementation of effective, innovative and sustainable rehabilitative interventions, such as telerehabilitation, new advanced technologies and disability telemonitoring solutions, for Persons with Multiple Sclerosis (PwMS)