

PhD Course: NEUROSCIENCE

Department	Centro di Ateneo "Padova Neuroscience Center"		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 4	
	Scholarships funded by external public or private bodies/Departments	n. 8	<p>1 scholarship funded by Centro di Ateneo "Padova Neuroscience Center" - PNC su fondi Roche Foundation - Topic: Morphological and functional analysis of focal and spread white and grey matter pathology in multiple sclerosis patients with 3T PET/MRI scanner with neurite orientation dispersion and density imaging and resting state functional MRI, at disease onset and after two years of follow up;</p> <p>1 scholarship funded by Centro di Ateneo "Padova Neuroscience Center" - PNC su fondi cofinanziamento da Fondazione Opera Immacolata Concezione Onlus (OIC), Gruppo Famiglie Dravet Associazione Onlus e Dipartimento di Neuroscienze - DNS - Topic: Rehabilitation paradigms in congenital and acquired neurological disorders;</p> <p>1 scholarship funded by Dipartimento di Neuroscienze - DNS su fondi "Budget Miur - Dipartimenti di eccellenza" Progetto "Neuro-diP - Neuroinformatica di Precisione" - Topic: Precision neuroscience and deep phenotypization of clinical populations and healthy individuals through neuroimaging, electrophysiology, genetics and/or wearable technology;</p> <p>1 scholarship funded by Dipartimento di Neuroscienze - DNS su fondi del progetto PRIN 2017K2NEF4_004 - Topic: Effects of genetic variation within dopamine signaling on brain structure and function and role on the risk and treatment for schizophrenia;</p> <p>1 scholarship funded by Dipartimento di Psicologia Generale - DPG su fondi "Budget Miur - Dipartimenti di eccellenza" Progetto "USE - INSPIRED BASIC RESEARCH - un modello innovativo per la ricerca e la formazione in psicologia" - Topic: Use-inspired basic research targeting cognitive, emotional or behavioural functions (or dysfunctions) using innovative methods or technologies, considering how the expected results would have broader impact on society;</p> <p>1 scholarship funded by Dipartimento di Psicologia Generale - DPG su fondi del Progetto "Promoting social interaction through emotional body odours" (POTION), finanziato dall'Unione Europea nel Programma Quadro Horizon 2020, GA 824153 - Topic: The psychophysiological study of body odours in healthy individuals and in individual with emotional alterations;</p>

			<p>1 scholarship funded by Dipartimento di Psicologia dello Sviluppo e della Socializzazione - DPSS su fondi "Progetto di sviluppo dipartimentale" e cofinanziata dal Centro di Ateneo "Padua Neuroscience PNC" e Dipartimento di Neuroscienze</p> <p>- Topic: Spatiotemporal dynamics of Affective Inhibitory Control in health and disease;</p> <p>1 scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi SYNCH- GA 824162 "A SYNaptically connected brain-silicon Neural Closed-loop Hybrid system - Topic: A brain-silicon closed-loop hybrid system with synapse-inspired neuroelectronic links;</p>
	Total number of positions	n. 12	
Higher-level apprenticeship contracts potentially available (3 year contract)	<p>Employer: Micromed S.p.A. - Place: Via Giotto n. 2, 31021 Mogliano Veneto (TV) - Italy</p> <p>Research project: Implementation of an Algorithm for Spike and Crisis Detection from EEG signals acquired using Micromed Systems with variable number of channels</p> <p>N° 1 Contract potentially available for the above mentioned research project</p>		
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who want to take the oral examination via remote interview (SKYPE) will have to specify it in the application form and add their Skype ID		
Evaluation criteria	<p>Qualifications: points max 40</p> <p>Oral examination: points max 60</p>		
Documents to be submitted	Thesis:	Points: max 5	(Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2019 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor)
	Curriculum:	Points: max 15	To be drawn up exclusively following the template ("CV Form") available on the website of the course: http://pnc.unipd.it/admission/ . Candidates are required to provide all the information needed, carefully filling in the required fields. Regarding the academic qualifications, please provide the required information on the Laurea Triennale (Bachelor Degree). We ask you to specify weighted average of the exam scores (based on the relative credit weights) taken in the Laurea Magistrale/Specialistica (Master's Degree, MA) or arithmetic average for exams taken in the "Laurea Vecchio Ordinamento" (old Italian system).
	Other documents:	Points: max 20	- Research project following the template ("Research Project Form") available on the PhD program website http://pnc.unipd.it/admission/ (max 10 points) - A maximum of two letters of reference from Researchers/Professors (max 5 points) - Motivation letter describing the candidate's personal motivation for choosing to apply for this PhD program (max 500 words) (max 5 points)

Preselection: First meeting of the Evaluating Commission	03 JUNE 2019 11:00
Publication of the results of the evaluation of the preselection	Within 07 JUNE 2019 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: http://pnc.unipd.it/admission/ In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.
Publication of the timetable of remote interviews	By 07 JUNE 2019 the commission will publish on the course website http://pnc.unipd.it/admission/ the results of the timetable of the remote interviews SKYPE (with the place, date and hour) for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
Oral examination	17 JUNE 2019 11:00 - Padova Neuroscience Center; the oral exam may continue on 18-19/06/2019, 9.00 am - VIMM, Via Orus - N. 2, 35129 Padova (PD)
Language/s	Foreign language/s assessment at the oral examination: During the oral examination the commission will assess English language skills. Admission exam: The admission exam will be taken in: English
Examination topics	During the oral examination, candidates will be asked to explain the motivations that lead them to undertake a PhD in Neuroscience, and to concisely expose their scientific interests in this field. During the exam, candidates will discuss their submitted Research Project, which should be based on the research lines proposed by the Academic Board of the PhD Course in Neuroscience and described in the Course website (http://pnc.unipd.it/phd-neuroscience/). The Admission Committee will also discuss candidates' CV and qualifications in depth.
Didactic program	Besides weekly journal clubs & seminars, the educational offer includes: Basic courses on: Neuroanatomy, physiology, cognition, methodology, Stats & maths, Soft skills & research training. Advanced courses on: Programming & Computational skills; molecular, cellular, cognitive, behavioral, clinical Neuroscience. For more information http://pnc.unipd.it/teaching-activities/
PhD Course Website:	http://pnc.unipd.it/phd-neuroscience/
Further information	Department: Centro di Ateneo "Padova Neuroscience Center" Address: Via Orus - N. 2, 35129 Padova (PD) Contact person: Lerosé Anna Maria telephone: 00390498213602 e-mail: annamaria.lerosé@unipd.it
How to apply	The application must be submitted only via the online procedure available at: https://pica.cineca.it/unipd/dottorati35 The documents must be attached in pdf format. The application and the attached documents are submitted automatically by closing the online procedure. So no hard copy of the application and of the documents must be sent to the office.
Deadlines	Publication of the ranking lists and enrollment from 8 July 2019 Beginning of PhD courses 1 October 2019