



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale
Sezione Ricerca e Dottorati
Ripartizione Dottorati

LAST REVISED 27/06/2014

**PhD IN
NEURAL AND COGNITIVE SCIENCES**

NOTE: This attachment provides only partial information. Exhaustive information, including how to register for the selection, is published in the Admission Announcement posted in the web page <http://www2.units.it/dott/en/> >> Admission Announcement.

Deadline for online application	21 August 2014 11:30 a.m. (ITALIAN TIME)
Deadline for paying the exam registration (application) fee	21 August 2014
Deadline for submitting qualifications and publications plus the form <i>Integration to the Application</i>	28 August 2014 11:30 a.m. (ITALIAN TIME)
Deadline for completion of the degree required for admission	31 October 2014
Oral examination/interview	09 September 2014 09:00 a.m. (ITALIAN TIME)
Documents required <i>(for further details see below "Weighting of the qualifications")</i>	<ol style="list-style-type: none">1. Form "Integration to the application";2. Research project: a research project in English is also required. The "Research Project" form must be downloaded from http://www2.units.it >> Ricerca >> Research Doctorate >> Admission Announcement >> Application Forms and filled. The candidate will be considered eligible for the oral examination only if she/he has duly filled and submitted the "Research project" form.3. The following documents:<ol style="list-style-type: none">a. detailed <i>curriculum vitae et studiorum</i>, with a special focus on pre-PhD activities, including a list of exams taken and marks obtained and the degree score (unless they are undergraduates)b. full text or abstract of the degree thesisc. articles published <i>in extenso</i> on journals with IF and presentations to Italian and international conferences



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IN BRIEF

<i>Lines of research</i>		1 Neurobiology, neurogenesis, and cellular neurophysiology 2 Clinical neurosciences 3 Perception, action and attention 4 Memory, language, and executive control 5 Thinking, judgment and decision making 6 Typical and atypical development 7 Personality and social psychology 8 Sport psychology
<i>Administrative location</i>		University of Trieste
<i>Organizing Department</i>		Department of Life Sciences
<i>Duration</i>		3 years
<i>Maximum number of months to be spent abroad by each PhD student</i>		6
<i>Official language</i>		Italian
<i>Language (alternative to Italian) partially used in PhD activities</i>		English (seminar, journal club, scientific reporting)
<i>Subject Area</i>	<i>main</i>	11b
	<i>others</i>	05
<i>Macro Research Fields</i>	<i>main</i>	11/E
	<i>others</i>	05/D, 05/I
<i>Scientific Disciplinary Sector</i>	<i>main</i>	M-PSI/01
	<i>others</i>	BIO/09; M-PSI/02, M-PSI/05, M-PSI/03, M-PSI/04, M-PSI/08; BIO/18
<i>Domain European Research Council</i>	<i>main</i>	SH
	<i>others</i>	LS
<i>ERC Panels</i>	<i>main</i>	SH4
	<i>others</i>	LS5, LS2
<i>Erasmus Subject Area Codes</i>		14.4
	<i>others</i>	12.2, 12.7, 13.1
Information on the codes can be found online at: http://www2.units.it/dott/en/?file=DottBandi.inc >> Admission Announcement and relative attachments (...) >> "Labelling" (file.xls)		



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PLACES, SCHOLARSHIPS, RESEARCH GRANTS AVAILABLE

<i>Total number of places available (excluding R/2 R/3 – see below)</i>		5	
<i>without scholarship</i>		1	
<i>with scholarship</i>		4	N.B.: Candidates who accept an earmarked scholarship are committed to the pre-assigned topic.
<i>Scholarships/Research grants available with indication of the code, total number and funding body</i>	MD/1	1	University of Trieste + Department of Life Sciences funded by IRCCS Burlo Garofolo Trieste (Project title “ <i>The genetics of dyslexia: from phenotype characterization to possible candidate genes</i> ”)
	MD/2	1	University of Trieste + Department of Life Sciences funded by Auxilia Onlus (Project title “ <i>On violence of underdevelopment: psychological dynamics and resource management in the Southern Hemisphere</i> ”)
	D/3	1	Department of Life Sciences funded by Dep. of Medicine, Surgery and Health Sciences and Dep. of Life Sciences (Project title “ <i>Analysis of factors affecting therapeutic compliance in patients with complex chronic cardiovascular pathology and evaluation of multidisciplinary intervention aimed at promoting self management and health enhancement</i> ”)
	M/4	1	University of Trieste
<i>Reserved places with scholarships/research grants available for graduates at universities abroad [R/1] with indication of the code, total number and funding body</i>	R/1	0	--
<i>Reserved places with no PhD scholarship provided</i>	R/2	0	Scholarships funded by foreign Countries
	R/3	0	Scholarships funded by international mobility programmes
<i>PhD students from foreign universities may be admitted with a joint supervision of their thesis</i>			Yes
<i>Erasmus Mundus PhD students from foreign universities may be admitted on a joint supervision of their thesis</i>			Yes
<i>Erasmus Mundus PhD students from foreign universities may be admitted on international mobility programmes</i>			Yes



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THE SELECTION PROCEDURE		
<i>Academic qualification required: see Announcement: see Announcement (art. 2 - Requirements)</i>	<p>Italian Master's Degree "Laurea Specialistica/Magistrale" or 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, (or a qualification corresponding to a Master's -second level- degree)</p> <p>An equivalent foreign academic qualification awarded abroad</p> <p>An academic qualification awarded abroad which is considered to be equivalent to the Italian degree that allows the holder to undertake PhD studies for duration, level and area of study</p>	
<i>Deadline for completion of the Degree required for admission</i>	31 October 2014	
<i>Assessment criteria</i>	qualifications + oral examination/interview. The interview will focus on the research project submitted, and on a test of English. If the candidate has chosen a scholarship target to a pre assigned topic, s/he will be examined on the specific competencies needed.	
<i>Maximum final score (the final score is based on the sum total of marks obtained in the interview plus the points given for qualifications and publications)</i>	100/100	
<i>Minimum final score required for eligibility</i>	50/100	
<i>Maximum score awarded for qualifications+publications</i>	40/40	
<i>Minimum score required for qualifications+publications</i>	0/40	
Weighting of the qualifications Unless the form "Integration to application" is presented, qualifications and publications cannot be assessed by the Examining Board. The form is available at: http://www2.units.it/dott/en/?file=DottBandi.inc&cod=1010	a detailed <i>curriculum vitae et studiorum</i> , with a special focus on pre-PhD activities including a list of exams taken and marks obtained	13/40
	b full text or abstract of the degree thesis	10/40
	c articles published <i>in extenso</i> on journals with IF and presentations to Italian and international conferences	7/40
	d degree grade	10/40
If the degree score is not out of 110 it will be converted. Undergraduates will be assigned a score out of 110 based on the average of their exams (provided they submit an official transcript)		
<i>Oral examination/interview score out of – maximum score</i>	60/60	
<i>Oral examination/interview score out of – minimum score</i>	0/60	
<i>Deadline for submitting qualifications and publications</i>	28 August 2014	
<i>Qualifications and publications shall be submitted: (art. 5.1.4 of the PhD Announcement)</i>	<p>- as an attachment to the online admission application (upload), deadline 11:30 am Italian time</p> <p>only for publications that are voluminous or not available in electronic format, as long as they are listed in the form "Integration to application" (digital format preferable):</p>	



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- by email to Department of Life Sciences (didattica.dsv@units.it),
 - by post (paper version) to Department of Life Sciences, via Valerio 12/2, building H3 (1. floor), Trieste,
 - in person to Department of Life Sciences from Mondays to Fridays from 10:30 to 12:30 a.m.
- Subject of the email/label on the package: "Admission examination to the PhD in NeSC-XXX ciclo"

*Oral
examination/interview*

09 September 2014 at 09:00 am (ITALIAN TIME), University of Trieste – Department of Life Sciences – W building ("palazzina W") – San Giovanni Campus – meeting room ("Aula riunioni") – 2. floor – TRIESTE

*Language(s) of the
interview*

Italian or English. Only English for non Italian candidates

*Language(s) tested in
the oral
examination/interview*

English

*CEFR (Common
European Framework
of Reference for
Languages)*

A2

*Videoconference
interview*

Upon request from the candidate, the interview may be carried out through videoconference, with the same schedule (check 6.2 Admission Announcement)



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WHO'S WHO	
<i>Chair</i>	Prof. Walter Gerbino - Department of Life Sciences - University of Trieste – phone N. 040/558.8868, fax 040/ 558.4220, e-mail: gerbino@units.it
<i>Vice</i>	dott. Paolo Bernardis - Department of Life Sciences - University of Trieste – phone N. 040/558.8872, fax 040/558.4220, e-mail: paolobernardis@units.it
<i>Web site</i>	Under construction
<i>Learning outcomes</i>	<p>The PhD program in <i>Neural and Cognitive Sciences</i> (NCS) provides advanced research training focused on the interdisciplinary study of the nervous system, the mind/brain system, cognition, and on applications in clinical, ergonomic, and sport contexts. Students develop competencies relevant for becoming creative researchers in at least one of the following areas: cellular neurophysiology; neurogenesis; clinical neuroscience; psycholinguistics; perception, action and attention; memory and executive control; thinking, judgment, and decision making; sport psychology; typical and atypical development; personality and social psychology. The PhD student enrolled in the NCS course will be able to formulate an independent project; to coordinate data collection integrating methods of biological and psychological sciences; to evaluate results; to propose technological innovations for clinical and rehabilitation purposes; to operate in multidisciplinary teams in public and private institutions.</p> <p>Taking into account the students' background, the PhD faculty defines individual programs, including a component focused on interdisciplinary knowledge and a component on specific advanced research abilities. Formal learning opportunities will include: lectures, journal club; seminars; scientific reporting; stages in foreign institutions; participations in national and international meetings; summer schools for young researchers.</p>
<i>Job placement opportunities</i>	<p>PhDs in NCS will take on qualified jobs that require:</p> <ul style="list-style-type: none">- specific and high-level knowledge in neurobiology, psychology, and related disciplines, to be employed in public and private research centres and institutes, industries and clinics;- skills for developing technology and experimental methodologies relevant for neural and cognitive sciences, with applications to basic, pharmacological, and clinical research, to cognitive ergonomics, to the improvement of sport performance, to rehabilitation;- skills for promoting the public understanding of neural and cognitive sciences and communicating their theoretical and experimental achievements, as well as the relevance of their applications.
<i>Main cooperating international Universities and Research Institutions</i>	<ol style="list-style-type: none">1 Donders Institute, Radboud Universiteit (Olanda), prof. Rob van Lier2 Experimental Psychology Unit, KU Leuven (Belgio), prof. Johan Wagemans3 CRICM - CNRS UMR 7225 - Inserm UMR_S 975 - Université Pierre et Marie Curie, Parigi (Francia), Team Cognition, Neuroimaging and Brain Diseases, prof. Gianfranco Dalla Barba (TP a UniTs)4 University College of London (UK), prof. Michael Tomas5 University of British Columbia (Canada), prof. Linda Siegel