



UNIVERSITÀ DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale
Sezione Ricerca e Dottorati
Ripartizione Dottorati

LAST REVISED 26/07/2012

DOCTORAL COURSE IN NEUROSCIENCES 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/dottorati/> >> Admission Announcement.

Deadline for online application

31 August 2012 at 11.30 a.m. CET

GENERAL DESCRIPTION

SUBJECT AREAS COVERED BY THE COURSE:

- main area: BIO/09
- other main areas: M-PSI/01
- other areas: BIO/05, BIO/06, BIO/09, BIO/18, ING-INF/06, MED/26, M-PSI/02, M-PSI/03, M-PSI/04, M-PSI/05, M-PSI/08, M-EDF/01

RESEARCH FIELDS:

1. Applied and clinical neurosciences
2. Molecular and cellular neurosciences
3. Psychobiology and physiological psychology
4. Developmental and educational psychology
5. General and social psychology
6. Psychometrics

Location: Trieste

ORGANIZING DEPARTMENT: Dip. di Scienze della vita

DURATION: 3 years

MAXIMUM NUMBER OF MONTHS TO BE SPENT ABROAD: 6

OFFICIAL LANGUAGE OF THE COURSE: Italian

INFORMATION

NUMBER OF PLACES AVAILABLE: 8

- SCHOLARSHIPS: 4

FUNDING BODY/IES (preceded by the scholarship code):

- [code G/1-2] MIUR "Progetto Giovani Ricercatori" (Project title: "*Human health*").....2
- [code M/3-4] Università degli Studi di Trieste2

Candidates who accept an earmarked scholarship are committed to the pre-assigned topic.

EXTRA PLACES WITHOUT SCHOLARSHIP:

- [code S/1] research grant holders carrying out their activities in the Departments involved in the Doctoral course2
- [code S/3/1] grant-holders funded by the Italian Ministry of Foreign Affairs permitted to

Legge 241/1990 - Responsabile del procedimento: Elena Ferraro

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Fax +39 040 558 3008
Dottorati@amm.units.it

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- sit the entrance examination in the country of origin.....**2**
- [code S/3/2] grant-holders funded by the Italian Ministry of Foreign Affairs sitting the entrance examination in Trieste**2**
- [code S/2] non-EU citizens residing abroad who do not want to apply for an ordinary place ...**2**
- [code S/4/2] non-EU citizens residing abroad with ministerial authorization and sitting the entrance examination in Trieste**2**

ACADEMIC QUALIFICATIONS REQUIRED: See Announcement (Art. 1.1 - Requirements)

DEADLINE FOR COMPLETION OF DEGREE:**10.10.2012**

ASSESSMENT CRITERIA: qualifications + interview

- **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:.....100/100
- MINIMUM FINAL SCORE REQUIRED:**50/100
- **MAXIMUM NUMBER OF POINTS AWARDED FOR QUALIFICATIONS + PUBLICATIONS:**40/40

QUALIFICATIONS REQUIRED/RELATIVE WEIGHT:

- **Art. 11 Rules for Doctorates:** all candidates are required to present the following documents, regardless of whether or not a score is assigned to them (see below):
 - a. a detailed curriculum vitae et studiorum, (relevant academic qualifications, certified research activities, scholarships, contracts etc.): max 13/40
 - b. a copy of the Master's degree thesis: max 10/40For students with a degree awarded by a non-Italian university, an abstract of the thesis in English or Italian is sufficient.

as well as

- a degree score: max 10/40
- b articles published *in extenso* on journals with IF and presentations to Italian and international conferences: max 7/40

- Qualifications List (unless this form is presented, qualifications and publications CANNOT be assessed by the Examining Board)

MINIMUM SCORE REQUIRED FOR QUALIFICATIONS/PUBLICATIONS:no

- **ORAL EXAMINATION MARK OUT OF**60

MINIMUM SCORE REQUIRED FOR INTERVIEW:no

ABSOLUTE DEADLINE FOR RECEIVING CERTIFICATES:**16.10.2012**

ADDRESS TO WHICH CERTIFICATES SHOULD BE SENT: Prof. Enrico Tongiorgi
Dipartimento di Scienze della Vita, Via Giorgeri 5 - edificio Q Piano 2, 34127 Trieste

EXAMINATION SCHEDULE:

- **INTERVIEW** **23.10.2012 at 09.30 a.m.** at Dip. di Scienze della Vita, Ed.Q- first floor – workshop room (aula seminari) – TRIESTE

ALTERNATIVE LANGUAGE TO ITALIAN FOR THE INTERVIEW: English

CEFR LEVEL: A2

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CONTACT INFORMATION

CHAIR: Prof. Piero Paolo Battaglini - Dipartimento di Scienze della vita - Università degli Studi di Trieste - tel. 040/558.7183, fax 040/567862, e-mail: battaglini@units.it

VICE: Prof. Walter Gerbino - Dipartimento di Psicologia - Università degli Studi di Trieste - tel. 040/558.2739, fax 040/4528022, e-mail: gerbino@univ.trieste.it

WEB SITE: http://www2.units.it/brain/scuoladottorato/index_engl.html

SCIENTIFIC PROJECT: The doctoral program aims at training professionals capable of conducting scientific research with high-level of competence in both public and private environment. In particular, PhDs will be capable of:

- 1) plan a research project in all its aspects, from the theoretical to the experimental design;
- 2) evaluate the results and possible further developments, including the possible innovative applications.

Element of strength of the course is derived from the composition of the multidisciplinary faculty and their research areas that provide students with broad knowledge in the field of neuroscience, ranging from the molecular and cellular to organ function and psychological and cognitive sciences such as perception, learning, thinking, memory and language. For a better professional qualification, the Doctorate also includes periods of learning and / or training in Italy and abroad, outside from the structures belonging to the Departments hosting the PhD.

Anticipating that students may come from different cultural areas, the doctorate program will be organized to ensure that students acquire knowledge and basic skills to deal with the various issues of neuroscience and psychological sciences. For this purpose, the training curriculum of the newly registered students will be evaluated. The achievement of educational goals will be guaranteed by the board of teachers who plans, approves and implements educational programs that best fit the specific needs of each student. The student's education is based primarily on the following activities:

- 1) Formal Lessons
- 2) Educational Seminars
- 3) Workshops for students and reports on research conducted by students.
- 4) Assign the student to a research project and thesis preparation.

Research topics offered by the PhD program are as follows:

- 1) molecular and cellular neurobiology
- 2) development, plasticity and regenerative capacity of the nervous system
- 3) pathophysiological basis of neuropathies
- 4) neuroendocrinology
- 5) complex neural systems
- 6) brain-computer interfaces
- 7) psychology of cognitive processes
- 8) developmental Psychology
- 9) social psychology and personality

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- 10) cognitive neuroscience and psychobiology
- 11) new applications in biomedical industry
- 12) enhancement of agri-food products and food security through new methods of characterization and quality assurance

For further information, see web site.:

http://www2.units.it/brain/scuoladottorato/index_engl.html

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