



**DOCTORAL SCHOOL IN
NEUROSCIENCES AND COGNITIVE SCIENCES**

GENERAL DESCRIPTION

ORGANIZING DEPARTMENT: Dip. di Scienze della vita
PARTICIPATING DEPARTMENTS (UNIVERSITY OF TRIESTE): Dipartimento di Psicologia

DURATION: 3 years
MAXIMUM NUMBER OF MONTHS TO BE SPENT ABROAD: 6
OFFICIAL LANGUAGE OF THE SCHOOL: Italian

INFORMATION RELEVANT TO ALL THE CURRICULA

ACADEMIC QUALIFICATIONS REQUIRED: See Announcement (Art. 1.1 - Requirements)
DEADLINE FOR COMPLETION OF DEGREE: 20.02.2011.
ASSESSMENT CRITERIA:qualifications + interview

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
MINIMUM FINAL SCORE REQUIRED: 50/100
MAXIMUM NUMBER OF POINTS AWARDED FOR QUALIFICATIONS+
PUBLICATIONS: 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.) 13/40
- b. a copy of the Master's degree thesis: 10/40
For 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: 10/40
- articles published *in extenso* on journals with IF and presentations to Italian and international conferences: 7/40
- Qualifications Assessment Form (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: 25.02.2011

ADDRESS TO WHICH CERTIFICATES SHOULD BE SENT: Prof. Piero Paolo Battaglini, Dip. di Scienze della Vita - Via Giorgieri, 10 - 34127 TRIESTE

EXAMINATION SCHEDULE:

- INTERVIEW 01.03.2011. at 4 p.m. at Dip. di Scienze della Vita, Ed.RA - ground floor - meeting room (sala riunioni) - TRIESTE

ALTERNATIVE LANGUAGE TO ITALIAN FOR THE INTERVIEW: English

CONTACT INFORMATION

DIRECTOR OF THE SCHOOL: Prof. Piero Paolo Battaglini - Dipartimento di Scienze della vita - Università degli Studi di Trieste - tel. 040/558.7183, fax 040/567862, e-mail: battagli@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

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WEB SITE: <http://www.units.it/brain/scuoladottorato>

OVERVIEW: The Programme in Neuroscience and Cognitive Neurosciences offers a competitive Doctoral degree leading to the formation of independent and creative neuroscientists. It consists of two specialised curricula: Neurobiology and Psychology. Students can pursue their research activities in three main fields: Molecular and cellular neurosciences, Applied and clinical neurosciences, Neuropsychology and cognitive sciences. Teaching includes lectures, seminars and annual activity reports involving invited foreign scientists. Students are encouraged to complete their preparation not only at the University of Trieste but also via collaborations with other national or international research institutions. The Doctoral course supports students in presenting their results at national and international congresses.

The goal of the Neuroscience and Cognitive Neuroscience Program is to teach students how to investigate, approach and solve research problems in Neuroscience. We wish to develop students' research skills by improving their ability in approaching modern neuroscience methods, and in evaluating the scientific literature or scientific judgements.

Applicants can apply for one or both curricula. In addition to the documents required by the Registrar's Department, also required is a curriculum vitae et studiorum, a list of publications (if any), an abstract of the degree thesis (not exceeding 4000 characters), one or more reference letters and any other relevant information or documents. Admission is given based on merit after evaluation of the titles and an interview, where the knowledge of English is also assessed.

1. CURRICULUM: NEUROBIOLOGY

GENERAL DESCRIPTION

SUBJECT AREAS COVERED BY THE CURRICULUM:

- main area: BIO/09
- other areas: BIO/05, BIO/06, BIO/18, ING-INF/06, MED/26, MED/30

RESEARCH FIELDS:
1 Applied and clinical neurosciences
2 Molecular and cellular neurosciences

ADMISSION INFORMATION

NON-FUNDED PLACES:

- holders of a research grant (see Art. 1.1 - Requirements) 1

CONTACT INFORMATION

CURRICULUM SUPERVISOR: Prof.ssa Laura Ballerini - Dipartimento di Scienze della Vita - Università degli Studi di Trieste - tel. 040/558.2411, e-mail: lballerini@units.it

VICE: Prof. Gianpiero Leanza - Dipartimento di Scienze della Vita - Università degli Studi di Trieste - tel. 040/558.2210, e-mail: gleanza@units.it

OVERVIEW: Within the main framework of the Neuroscience and Cognitive Neurosciences Programme, the Neurobiology Curriculum offers a third level university education on topics related to the study of the Nervous System, with special reference to the human. The main aim is to train professionals able to independently design and conduct high level Neurobiology research in the Academy or Enterprise. A Research Doctor in this curriculum will manage to:

- a) plan a research project in all its aspects, from the theoretical basis to the experimental design;
- b) critically evaluate the obtained results and the possible follow-ups, including innovative applications.

The Neurobiology curriculum offers an interdisciplinary training programme, specifically designed to enable the achievement of a qualified and competitive expertise in both theoretical and methodological aspects of neurobiological research.

The training programme reflects a strong collaborative effort held by the B.R.A.I.N. Centre for Neuroscience, and the Department of Life Sciences in close collaboration with the Department of Electrotecnics, Electronic and Informatics, the Department of Clinical Medicine and Neurology, and the Department of Specialised



UNIVERSITÀ DEGLI STUDI DI TRIESTE

Sezione Ricerca e Dottorati

Ripartizione Dottorati

Surgical Sciences, Biomaterials and Bioimplants, all from the University of Trieste.

The teaching board and the respective research topics warrant a broad knowledge, spanning from Molecular and Cellular Neurobiology to System and Clinical Neurobiology.

In order to further improve their professional qualification enrolled students are strongly encouraged to spend extended periods in outstanding scientific institutions not directly involved in the programme.

Formation for the enrolled students is based on the following main activities, which are also designed to overcome the possible background heterogeneity of the enrolled students:

- 1) Formal classes;
- 2) Scientific seminars and Journal Clubs;
- 3) Student seminars and annual activity reports;
- 4) Attribution of a specific research project and discussion of the experimental plan and its implementation

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