



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale
Sezione Ricerca e Dottorati
Ripartizione Dottorati

ULTIMA REVISIONE 23 agosto 2013

**DOCTORAL PROGRAMME IN
REPRODUCTION AND DEVELOPMENTAL 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	16th September 2013 h.11:30 a.m. CET
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GENERAL DESCRIPTION

SUBJECT AREA:

- main area: 06
- other areas: 05; 11

MACRO RESEARCH FIELDS:

- main area: 06/G
- other areas: 06/H; 05/G; 05/I; 06/M; 05/H; 11/D; 06/E; 06/A

SCIENTIFIC DISCIPLINARY SECTOR:

- main area: MED/38
- other areas: MED/40; MED/03; BIO/14; MED/07; M-PED/04; BIO/17; MED/17; MED/33; MED/42

DOMAIN EUROPEAN RESEARCH COUNCIL:

- LS

ERC PANELS:

- main area: LS7
- other areas: LS2; LS6; LS5; SH4; LS3

Information on the codes can be found online at the address: <http://www.units.it> >> Research >> Doctorates >> Admission >> Admission Announcement and relative attachments - Board of Examiners - Eligible Candidates/Merit list>> Research codes

RESEARCH FIELDS:

1. Clinical epidemiology
2. Genetic and molecular

LOCATION: Trieste

- ORGANIZING DEPARTMENT: Clinico di Scienze Mediche, Chirurgiche e della Salute

OTHERS:

- Dipartimento di Scienze della Vita
- Dipartimento di Studi umanistici

DURATION: 3 anni

MAXIMUM NUMBER OF MONTHS TO BE SPENT ABROAD IN THREE YEARS: 18

OFFICIAL LANGUAGE: Italian

Legge 241/1990 - Responsabile del procedimento: Elena Ferraro

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ADMISSION INFORMATION

TOTAL NUMBER OF PLACES AVAILABLE:.....	15
RESERVED PLACES.....	3
- [cod R/1] Graduates at universities abroad:	1
- [cod R/2] scholarships funded by foreign Countries.....	1
- [cod R/3] scholarships funded by international mobility programmes	1
SCHOLARSHIPS AVAILABLE WITH INDICATION OF FUNDING BODY:	
- [cod D/1] Dip. Clinico di Scienze Mediche Chirurgiche e della Salute funded by Associazione Malattie Rare Azzurra O.N.L.U.S. (50%) + Ditta Eurospital S.p.A. (50%).....	1
- [cod D/2-3] Dip. Clinico di Scienze Mediche Chirurgiche e della Salute funded by IRCCS Burlo Garofolo	2
- [cod M/4] Università degli Studi di Trieste	1
- [cod G/5] MIUR "Progetto Giovani Ricercatori" Project " <i>Salute dell'uomo (studio e trattamento dei tumori e delle malattie degenerative con nuovi approcci derivanti dalla conoscenza del genoma umano)</i> "	1
- [cod FSE/M/6] Università degli Studi di Trieste funded by the Region Friuli Venezia Giulia, with resources provided by the European Social Fund, Operational Programme 2007/13, Axis 5 Transnational and Interregional Cooperation.....	1

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

PLACES WITH JOINT SUPERVISION OF THESIS: students from foreign universities may be admitted to the Ph.D. programme with a joint supervision of their thesis

ACADEMIC QUALIFICATION REQUIRED: see Announcement (art. 2 - Requirements)

1. Italian Master's Degree "Laurea Specialistica/Magistrale" or Degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 Novembre 1999, updated with D.M. n. 270 of 22 October 2004, n. 270, (or a qualification corresponding to a Master's -second level- degree);
2. an equivalent foreign academic qualification awarded abroad
3. an academic qualification awarded abroad which is considered to be equivalent to the Italian degree that allows the holder to undertake Ph.D. studies for duration, level and area of study

DEADLINE FOR COMPLETION OF DEGREE: **31.10.2013**

ASSESSMENT CRITERIA: qualifications + oral interview

Only for ESF scholarships: project + qualifications + oral interview

Upon request from the candidate, the interview may be carried out through videoconference (art. 6.1 bis of Announcement) **LAST UPDATED ON 23.08.2013!**

- 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:.....	66/100
MAXIMUM FINAL SCORE only for ESF scholarships (based on the sum of the mark obtained in the oral examination, the points given for qualifications and for the project)	140/140

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- MINIMUM FINAL SCORE REQUIRED (only for ESF scholarships):.....86/140
- MAXIMUM NUMBER OF POINTS AWARDED FOR PROJECT (only for ESF scholarships).....40/40
- Project assessment shall take into account:
- 1 the value of the Research Project in relation to set objectives
 - 2 the quality of the Research Project with specific attention to adopted methodology and chronogram of activities
- MINIMUM SCORE REQUIRED FOR PROJECT (only for ESF scholarships):.....20/40
- MAXIMUM NUMBER OF POINTS AWARDED FOR QUALIFICATIONS+PUBLICATIONS:.....40/40
- WEIGHTING OF THE QUALIFICATIONS:
- "Integration to application" (unless this form is presented, qualifications and publications CANNOT be assessed by the Examining Board):
 - a. a detailed curriculum vitae et studiorum: da 0/40 a 12/40
 - b. full copy or abstract of the MA thesis in Italian or English (Italian MA theses may be from "Laurea vecchio ordinamento" or "Laurea specialistica/magistrale"): min 0/40 max 12/40
 - c. research project: Students also have to submit a research program by filling in the form which can be downloaded from the Doctorate website (<http://www.pediatria.univ.trieste.it/dotmi>) or else requested by email to (tec@burlo.trieste.it o decorti@units.it)
 - d. scientific publications in extenso: min 0/40 max 12/40
 - e. other qualifications (to be detailed): min 0/40 max 4/40
- MINIMUM SCORE REQUIRED FOR QUALIFICATIONS/PUBLICATIONS:.....24/40
- ORAL EXAMINATION MARK OUT OF:60/60
- MINIMUM SCORE REQUIRED FOR INTERVIEW:.....42/60
- DEADLINE FOR SUBMITTING QUALIFICATIONS AND PUBLICATIONS AND PROJECT (IF FORESEEN): 30.09.2013**
- QUALIFICATIONS AND PUBLICATIONS MAY BE SUBMITTED (art. 5.1.4 of the Ph.D. Announcement):
- as an attachment to the online admission application (upload)
 - 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):
- e-mail: decorti@units.it o tec@burlo.trieste.it or by mail to prof. Giuliana Decorti, Dipartimento di Scienze della Vita, Via A. Fleming 22, 34127 Trieste
- EXAMINATION SCHEDULE:
- INTERVIEW: **14.10.2013 at 09.30 a.m. (italian time)**, presso AULA MAGNA IRCCS BURLO GAROFOLO, VIA DELL'ISTRIA 65/1,34137 TRIESTE
- Upon request from the candidate, the interview may be carried out through videoconference, at the same time
- ALTERNATIVE LANGUAGE TO ITALIAN FOR THE INTERVIEW: english

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(CEFR LEVEL C1)

CONTACT INFORMATION

CHAIR: Prof. Giuliana DECORTI – Dipartimento di Scienze della Vita - Via Fleming, 22 ed. FC - TRIESTE - tel. 040/558.8777; 040558.2134; email decorti@units.it

VICE: Prof. Alessandro VENTURA Unità clinica operativa di Clinica Pediatrica – Via dell'Istria, 65 - TRIESTE - tel. 0403785315, email ventura@burlo.trieste.it

WEB SITE:: www.pediatria.univ.trieste.it/dotmi/

EDUCATIONAL AIMS: The aim of the Doctorate in Sciences of Reproduction and Development, under the aegis of the Clinical Department of Medical, Surgical and Health Sciences, is to offer an interdisciplinary and, when possible, international academic professional training program. Its objective is to offer an interdisciplinary and international education directed towards the training of highly qualified researchers in the field of biomedical sciences and, particularly, in the Maternal and Newborn Child Health area. The School mission is to form practitioners able to represent in the future the staff of Universities, IRCCS (Scientific Research Institutes) and other Biomedical Research Institutes. The Doctorate makes also available the opportunity to attend international cooperation research programs among developing countries. Two main courses are provided: The school of Clinical epidemiology and the school of Molecular genetics. The purpose of the Clinical epidemiology school is to form researchers in the biological and medical field able to carry out clinical trials, to validate new guidelines, to propose innovative therapeutic and diagnostic approaches. Aim of the school is also to train researchers to relieve necessity of people and to evaluate epidemiological data assessing effects on health measures of prevention. The main research fields are the following: Physiopathology of reproduction. Reproduction disorders and its epidemiological, clinical and molecular determinants. Prevention and obstetric health in perinatology with specific attention to preventive aspects and relationship between children and their parents. Psycho-physical and educational development from birth to adolescence and reproductive era. Assessment of criticisms of health assistance, technological progress and outcome of children born from artificial fecundation. Experimentation of protective intervention on perinatology determinants in development disorders. Epidemiology of infancy necessity. New approaches to the diagnosis and to the treatment of inflammatory and immunological chronic diseases. New approaches to the diagnosis and to the treatment of infectious diseases. The specificity of the Clinical epidemiology school may be considered in part similar to the Residency in Pediatrics, Gynecology and Infantile Neuropsychiatry (the latter not present in Friuli Venezia Giulia). These are devoted mostly to assistance and are open only to doctors, while the doctorate is open to any type of degree and has a special vocation in more translational research intimately connected with clinical activity. Research and formation

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activities will be held in the structures of the Clinical Department of Medicine, Surgery and Health Sciences and in the laboratories at IRCCS Burlo Garofolo of Trieste, but also in the structures of other collaborating Departments of the University of Trieste and in Angola, Ospedale Divina Provvidencia, and Brasil, IMIP (annex 2 and 3) in the field of international cooperation programs. More exchange programs are active with the Universities of Baltimore and Chicago. The School of Molecular genetics has the purpose to form experts in the different fields of the individualized diagnostic and therapeutic approaches of multi-disciplinary interrelations with particularly attention to advanced and experimental treatment options. The main research fields are the following: Definition of pathogenetic and molecular mechanisms of monogenic and composite hereditary diseases. Genetics of nutrition and pharmacogenetics. Hereditary disease screenings. Genetics of population. New therapeutic approaches (gene delivery, mesenchymal stem cells) in hereditary diseases. Genetic epidemiology. Molecular and individualized medicine. Molecular approaches to infections. The specificity of the molecular genetics course consists in the integration of basic, applied, diagnostic and clinical research. Research and professional training will be developed in the structures of the Clinical Department of Medicine, Surgery and Health Sciences at IRCCS Burlo Garofolo of Trieste and in the laboratories of the Department of Life Sciences. Students will also attend the structures of Department of Clinical and Experimental Sciences, University of Brescia (prof. Raffaele Badolato). It will be possible to attend other cooperating centers established with an agreement with the School (C.B.M. srl, Centro di Biomedicina Molecolare, Trieste). National (IRCCS – San Matteo Pavia, HRS – San Raffaele) and International collaborations (C.R.G. – Centro de Regulacio Genomica, Barcellona e New Brunswick, USA) are also active.

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