



UNIVERSITÀ  
DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale  
Sezione Ricerca e Dottorati  
Ripartizione Dottorati

LAST REVISED 31/07/2012

**DOCTORAL SCHOOL IN  
SCIENCES OF REPRODUCTION AND DEVELOPMENT**

**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**

LOCATION: Trieste

ORGANIZING DEPARTMENT: Dipartimento Univ. Clinico Sc. Mediche, chirurgiche e della salute

PARTICIPATING DEPARTMENTS (Università di Trieste)

- Dipartimento di Scienze della Vita
- Dipartimento di Studi Umanistici

PARTICIPATING DEPARTMENTS (Università degli Studi di Brescia)

- Dipartimento di Materno-infantile e tecnologie biomediche

PARTICIPATING DEPARTMENTS (Università degli Studi di Torino)

- Dipartimento di Scienze pediatriche e dell'adolescenza

ITALIAN PARTNER UNIVERSITIES:

- Università degli Studi di Brescia
- Università degli Studi di Torino

FOREIGN PARTNER UNIVERSITIES: Faculdade Pernambucana de Saude Istituto de medicina integral "prof Armando Figuera" – Recife (Brazil)

DURATION: 3 years

MAXIMUM NUMBER OF MONTHS TO BE SPENT ABROAD: 18

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: ..... **25.10.2012**

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:.....66/100
- 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

*Legge 241/1990 - Responsabile del procedimento: Elena Ferraro*

Università degli Studi di Trieste  
Piazzale Europa, 1  
I - 34127 Trieste

Tel. +39 040 558 7953  
Fax +39 040 558 3008  
[Dottorati@amm.units.it](mailto:Dottorati@amm.units.it)

[www.units.it](http://www.units.it) – [ateneo@pec.units.it](mailto:ateneo@pec.units.it)



# UNIVERSITÀ DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale  
Sezione Ricerca e Dottorati  
Ripartizione Dottorati

below):

a. a detailed curriculum vitae et studiorum: from 7/40 to max 12/40

b. a copy of the Master's degree thesis: from 2/40 to max 12/40

For students with a degree awarded by a non-Italian university, an abstract of the thesis in English or Italian is sufficient. 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](mailto:tec@burlo.trieste.it) or [ventura@burlo.trieste.it](mailto:ventura@burlo.trieste.it) )

as well as

1. publications (already published or accepted for publication: max 12/40

2. other qualifications (to be detailed): max 4/40

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

MINIMUM SCORE REQUIRED FOR QUALIFICATIONS/PUBLICATIONS: .....24/40

- ORAL EXAMINATION MARK OUT OF: .....60

MINIMUM SCORE REQUIRED FOR INTERVIEW: .....42/60

ABSOLUTE DEADLINE FOR RECEIVING CERTIFICATES: ..... **12.10.2012**

ADDRESSES TO WHICH CERTIFICATES SHOULD BE SENT: only in hard copy (on paper) by mail or in person to Segreteria Clinica pediatrica - Ospedale IRCCS Burlo Garofolo - via dell'Istria 65/1 – 34137 Trieste. Emails will not be accepted.

EXAMINATION SCHEDULE:

- ORAL INTERVIEW: **29.10.2012 at 10.00 a.m.** room "Aula Magna", Burlo Garofolo Hospital, via dell'Istria, 65/1 – TRIESTE

ALTERNATIVE LANGUAGE TO ITALIAN FOR THE INTERVIEW: English

CEFR LEVEL: C1

NOTE: APPLICANTS FOR BOTH CURRICULA NEED ONLY TO PAY ONCE. They can therefore pay according to the announcement provisions (see Article 3), indifferently for any one of the two curricula they are applying for.

## CONTACT INFORMATION

DIRECTOR OF THE SCHOOL: Prof. Alessandro VENTURA – Unità clinica operativa di Clinica Pediatrica – Via dell'Istria, 65 - TRIESTE - tel. 040/3785.315; fax 040/3785.362; email [ventura@burlo.trieste.it](mailto:ventura@burlo.trieste.it)

VICE-DIRECTOR: Prof. Paolo GASPARINI – Unità clinica operativa di Clinica Pediatrica – Via dell'Istria, 65 - TRIESTE - tel. 040/3785.275, email [pgasparini@units.it](mailto:pgasparini@units.it)

WEB SITE: <http://www.pediatria.univ.trieste.it/dotmi>

SCIENTIFIC PROJECT: The aim of the School of Doctorate in Sciences of Reproduction and Development, under the aegis of Department of Medical, Surgery 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

*Legge 241/1990 - Responsabile del procedimento: Elena Ferraro*

Università degli Studi di Trieste  
Piazzale Europa, 1  
I - 34127 Trieste

Tel. +39 040 558 7953  
Fax +39 040 558 3008  
[Dottorati@amm.units.it](mailto:Dottorati@amm.units.it)

[www.units.it](http://www.units.it) – [ateneo@pec.units.it](mailto:ateneo@pec.units.it)



# UNIVERSITÀ DEGLI STUDI DI TRIESTE

**Rettorato e Direzione Generale  
Sezione Ricerca e Dottorati  
Ripartizione Dottorati**

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 others 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 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 purpose of 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.

*Legge 241/1990 - Responsabile del procedimento: Elena Ferraro*

**Università degli Studi di Trieste**  
Piazzale Europa, 1  
I - 34127 Trieste

Tel. +39 040 558 7953  
Fax +39 040 558 3008  
[Dottorati@amm.units.it](mailto:Dottorati@amm.units.it)

[www.units.it](http://www.units.it) – [ateneo@pec.units.it](mailto:ateneo@pec.units.it)



# UNIVERSITÀ DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale  
Sezione Ricerca e Dottorati  
Ripartizione Dottorati

## CURRICULUM: GENETIC AND MOLECULAR

### GENERAL DESCRIPTION

SUBJECT AREAS COVERED BY THE CURRICULUM:

- main area: MED/03
- other areas: MED/38; MED/40; MED/42; BIO/14

RESEARCH FIELDS:

- 1 Pharmacogenomics
- 2 Human and medical genetics
- 3 Preventive medicine

### ADMISSION INFORMATION

NUMBER OF PLACES AVAILABLE: ..... 10

- SCHOLARSHIPS: ..... 5

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

- [cod D/1/6.2] Dip. Universitario Clinico Scienze. Mediche, chirurgiche e della salute funded by *IRCCS BURLO GAROFOLO*.....1
- [cod M/2/6.2] Università degli studi di Trieste .....1
- [cod D/3/6.2] Dip. Universitario Clinico Scienze, Mediche, chirurgiche e della salute funded by prof. D'Agaro + prof. Bartoli + ONLUS A.A.N.P.I. ....1
- [cod M/4/6.2] Università degli studi di Trieste.....1
- [cod D/5/6.2] Dip. Universitario Clinico Scienze, Mediche, chirurgiche e della salute funded by *IRCCS BURLO GAROFOLO* + Telethon (Progetto prof. Savoia).....1

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 course ..... 1
- [code S/3/1] grant-holders funded by the Italian Ministry of Foreign Affairs sitting the entrance examination in the country of origin ..... 1
- [code S/2] non-EU citizens living abroad who do not want to apply for an ordinary place ..... 2
- [code S/4/1] non-EU citizens living abroad funded by their own country, with ministerial authorization, sitting the entrance examination in the country of origin ..... 1

### CONTACT INFORMATION

CURRICULUM SUPERVISOR: Prof. Paolo GASPARINI – Unità clinica operativa di Clinica Pediatrica – Via dell'Istria, 65 - TRIESTE - tel. 040/3785.275, email [pgasparini@units.it](mailto:pgasparini@units.it)

VICE: Prof. Alessandro PLEBANI – Dip. Materno infantile e tecnologie biomediche – Università degli studi di Brescia - tel. 030/301152; email [plebani@med.unibs.it](mailto:plebani@med.unibs.it)

Legge 241/1990 - Responsabile del procedimento: Elena Ferraro

Università degli Studi di Trieste  
Piazzale Europa, 1  
I - 34127 Trieste

Tel. +39 040 558 7953  
Fax +39 040 558 3008  
[Dottorati@amm.units.it](mailto:Dottorati@amm.units.it)

[www.units.it](http://www.units.it) – [ateneo@pec.units.it](mailto:ateneo@pec.units.it)



# UNIVERSITÀ DEGLI STUDI DI TRIESTE

**Rettorato e Direzione Generale  
Sezione Ricerca e Dottorati  
Ripartizione Dottorati**

---

**EDUCATIONAL AIMS AND RESEARCH TOPICS:** 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 pharmacology
- Hereditary Disease screenings
- Genetics of population
- New therapeutic approaches (gene delivery, mesenchymal stem cells) in hereditary diseases
- Genetic Epidemiology
- Molecular and individualized medicine.

The specificity of the molecular genetics course consists in the integration of basic, applied, diagnostic and clinical research.

Research and professional training will be develop in the Department of Surgery and Health Sciences laboratories of IRCCS Burlo Garofolo of Trieste. It will be possible to attend other co-operating 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.

*Legge 241/1990 - Responsabile del procedimento: Elena Ferraro*

**Università degli Studi di Trieste**  
Piazzale Europa, 1  
I - 34127 Trieste

Tel. +39 040 558 7953  
Fax +39 040 558 3008  
[Dottorati@amm.units.it](mailto:Dottorati@amm.units.it)

[www.units.it](http://www.units.it) – [ateneo@pec.units.it](mailto:ateneo@pec.units.it)