



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale
Sezione Ricerca e Dottorati
Ripartizione Dottorati

ATTACHMENT 8

LAST REVISED 25/05/2015

**PhD IN
REPRODUCTION AND DEVELOPMENTAL SCIENCES
OVERVIEW**

IN BRIEF		
Lines of research	1	Clinical epidemiology
	2	Molecular genetics
Administrative location	University of Trieste	
Organizing Department	Department of Medicine, Surgery and Health Sciences	
Partner University Department	Department of Life Sciences	
Duration	3 years	
Maximum number of months to be spent abroad by each PhD student	6	
Official language	Italian	
Language (alternative to Italian) partially used in PhD activities	Many PhD activities are carried out in English, namely workshops and the journal club	
Subject Area	06	MEDICINE
	05	BIOLOGY
Macro Research Fields	06/G	PAEDIATRICS
	05/I	GENETICS AND MICROBIOLOGY
	06/H	GYNAECOLOGY
	05/G	PAEDIATRICS
	06/M	PUBLIC HEALTH
	06/A	PATHOLOGY AND LABORATORY MEDICINE
Scientific Disciplinary Sector	MED/38	GENERAL AND SPECIALISED PEDIATRICS
	MED/03	MEDICAL GENETICS
	MED/40	GYNAECOLOGY AND OBSTETRICS
	BIO/14	PHARMACOLOGY
	MED/07	MICROBIOLOGY AND CLINICAL MICROBIOLOGY
	MED/42	GENERAL AND APPLIED HYGIENE
Domain European Research Council	LS	LIFE SCIENCES
	LS7	DIAGNOSTIC TOOLS, THERAPIES AND PUBLIC HEALTH: AETIOLOGY, DIAGNOSIS AND TREATMENT OF DISEASE, PUBLIC HEALTH, EPIDEMIOLOGY, PHARMACOLOGY, CLINICAL MEDICINE, REGENERATIVE MEDICINE, MEDICAL ETHICS
ERC Panels	LS2	GENETICS, GENOMICS, BIOINFORMATICS AND SYSTEMS BIOLOGY: GENETICS, POPULATION GENETICS, MOLECULAR GENETICS, GENOMICS, TRANSCRIPTOMICS, PROTEOMICS, METABOLOMICS, BIOINFORMATICS, COMPUTATIONAL BIOLOGY, BIOSTATISTICS, BIOLOGICAL MODELLING AND

	LS6	SIMULATION, SYSTEMS BIOLOGY, GENETIC EPIDEMIOLOGY IMMUNITY AND INFECTION: IMMUNOBIOLOGY, AETIOLOGY OF IMMUNE DISORDERS, MICROBIOLOGY, VIROLOGY, PARASITOLOGY, GLOBAL AND OTHER INFECTIOUS DISEASES, POPULATION DYNAMICS OF INFECTIOUS DISEASES, VETERINARY MEDICINE
Erasmus Subject Area Codes	12.1	MEDICINE
	12.5	PHARMACY
	12.7	PUBLIC HEALTH
	13.1	BIOLOGY
	13.4	MICROBIOLOGY, BIOTECHNOLOGY

WHO'S WHO	
Chair	Prof. Giuliana DECORTI – Department of Life Sciences - Via Fleming, 22 building. FC - TRIESTE – phone N. 040.558.8777; email decorti@units.it
Vice	Prof. Alessandro VENTURA – Department of Medicine, Surgery and Health Sciences – Via dell'Istria, 65 - TRIESTE – phone N. 040.3785315; email alessandro.ventura@burlo.trieste.it
Web site	http://web.units.it/dottorato/scienzeriproduzionetilupp/en
Email	dottorato.scienzeriproduzione@units.it
Learning outcomes	<p>The aim of the Doctorate in Sciences of Reproduction and Development is to provide an interdisciplinary and, when possible, international academic professional training program, aimed at preparing 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 and Industries. The Doctorate makes also available the opportunity to be trained in international cooperation research programs in the development of emerging countries. The training program consists of two research areas: Clinical epidemiology and 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 perform epidemiological surveys to assess the health effects of preventive measures.</p> <p>The Molecular genetic path has the purpose to form qualified experts in different fields of research (basic and applied), diagnostics and personalized treatments, able to communicate and interact with clinical environment, and finalizing their experience to care needs.</p>
Job placement opportunities	<p>The Doctorate in Sciences of Reproduction and Development forms highly specialized experts that, thanks to the multidisciplinary nature of the skills involved, the high level of theoretical and practical training and collaborative relationships with prestigious national and international institutions, will find a place of employment in medical specialties, molecular biological and educational fields.</p> <p>The main areas of employment are:</p> <ul style="list-style-type: none"> - Clinical facilities with special vocation for research (university hospitals and IRCCS) - Public and private biomedical research institutes - Institutions that conduct research in the social field (health advisories, schools, etc.) - Ethics committees <p>Besides the possibility of employment in public and private health care facilities, national and international, PhD students will be employed in hospitals and institutions of our region, responding to an important objective of III level formation, to provide, to the territory in which the University acts, a highly qualified staff.</p>
Main cooperating international Universities and Research Institutions	<ol style="list-style-type: none"> 1 Sanger Wellcome Trust Institute, Cambridge (UK), 2 Centre for Genomic Regulation (CRG), Barcellona, Spagna 3 Department of Pharmaceutical Sciences, St Jude Children's Research Hospital, Memphis, USA.

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|--|---|---------------------------------------------------------------------------------------------------------------|
| | 4 | Ospedale Divina Providencia, Luanda, Angola |
| | 5 | Facultade Pernambucana de Saude, Instituto de Medicina Integral Prof Fernando Figuera (IMIP), Recife, Brasile |