



UNIVERSITÀ DEGLI STUDI DI TRIESTE

Area dei Servizi Istituzionali
Settore Servizi agli studenti e alla didattica
Ufficio Dottorati di ricerca

ATTACHMENT 9

LAST REVISED 21/05/2020

PhD IN REPRODUCTION AND DEVELOPMENTAL SCIENCES OVERVIEW

IN BRIEF		
Lines of research	1	Inflammation and immunity
	2	Genetics and pathophysiology of organs and systems
	3	Precision medicine for maternal and child health
	4	New diagnostic and pharmacological approaches and innovative therapies
	5	Population studies and big data
	6	Biomaterials
Administrative location	University of Trieste	
Organizing Department	Department of Medicine, Surgery and Health Sciences	
Partner University Department	Department of Life Sciences	
Duration	3 years	
Attendance abroad that entitles to a scholarship increase - min. max. of months for each PhD student (over 3 years)	0 - 6	
Official language	English Doctoral activities are conducted in English	
Subject Areas (in alphabetical code order)	05	BIOLOGY
	06	MEDICINE
Macro Research Fields (in alphabetical code order)	05/G	EXPERIMENTAL AND CLINICAL PHARMACOLOGY
	06/A	PATHOLOGY AND LABORATORY MEDICINE
	06/D	MEDICAL SPECIALITIES
	06/F	INTEGRATED CLINICAL SURGERY
	06/G	PAEDIATRICS
	06/H	GYNAECOLOGY
	06/N	TECHNOLOGY AND METHODOLOGY IN MEDICINE, NURSING AND SPORT SCIENCES
Scientific Disciplinary Sectors (in alphabetical code order)	BIO/14	PHARMACOLOGY
	MED/03	MEDICAL GENETICS
	MED/05	CLINICAL PATHOLOGY
	MED/07	MICROBIOLOGY AND CLINICAL MICROBIOLOGY
	MED/11	CARDIOVASCULAR DISEASES □
	MED/13	ENDOCRINOLOGY AND METABOLISM
	MED/17	INFECTIOUS DISEASES
	MED/28	ORAL DISEASES AND DENTISTRY

	MED/33	ORTHOPAEDICS
	MED/38	PAEDIATRICS
	MED/40	OBSTETRICS AND GYNAECOLOGY
	MED/50	APPLIED MEDICAL TECHNOLOGY AND METHODOLOGY
Domain European Research Council	LS	LIFE SCIENCES
ERC Panels	LS7	DIAGNOSTIC TOOLS, THERAPIES AND PUBLIC HEALTH: AETIOLOGY, DIAGNOSIS AND TREATMENT OF DISEASE, PUBLIC HEALTH, EPIDEMIOLOGY, PHARMACOLOGY, CLINICAL MEDICINE, REGENERATIVE MEDICINE, MEDICAL ETHICS
	LS2	GENETICS, GENOMICS, BIOINFORMATICS AND SYSTEMS BIOLOGY: GENETICS, POPULATION GENETICS, MOLECULAR GENETICS, GENOMICS, TRANSCRIPTOMICS, PROTEOMICS, METABOLOMICS, BIOINFORMATICS, COMPUTATIONAL BIOLOGY, BIostatISTICS, BIOLOGICAL MODELLING AND SIMULATION, SYSTEMS BIOLOGY, GENETIC EPIDEMIOLOGY
	LS6	IMMUNITY AND INFECTION: IMMUNOBIOLOGY, AETIOLOGY OF IMMUNE DISORDERS, MICROBIOLOGY, VIROLOGY, PARASITOLOGY, GLOBAL AND OTHER INFECTIOUS DISEASES, POPULATION DYNAMICS OF INFECTIOUS DISEASES, VETERINARY MEDICINE

WHO'S WHO	
Chair	Prof. Paolo Gasparini - Department of Medicine, Surgery and Health Sciences – Via dell'Istria, 65 - TRIESTE – phone +39 040.3785275; email pgasparini@units.it
Vice	Prof. Gabriele Stocco – Department of Life Sciences - Via Fleming, 22 - TRIESTE – phone +39 040.558.8634; email stoccog@units.it
PhD Academic Board	List of members
Web site	http://web.units.it/dottorato/scienzeriproduzionesviluppo/en
Email	dottorato.scienzeriproduzione@units.it
Course description and objectives	<p>The aim of the Doctorate in Reproduction and Development Sciences 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 enable researchers to carry out clinical trials in the biological and medical field, to validate new guidelines, to propose innovative therapeutic and diagnostic approaches. The 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 train 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>

<p>Job placement opportunities</p>	<p>The Doctorate in Reproduction and Development Sciences trains 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 be able to find 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 as well as international - PhD students will be employed in hospitals and institutions of our region, responding to an important objective of third-level education, i.e. to provide the territory in which the University acts with highly qualified staff.</p>
<p>Main cooperating international Universities and Research Institutions</p>	<ol style="list-style-type: none"> 1 Sanger Wellcome Trust Institute, Cambridge, UK 2 Centre for Genomic Regulation (CRG), Barcelona, Spain 3 Department of Pharmaceutical Sciences, St Jude Children's Research Hospital, Memphis, USA. 4 Ospedale Divina Providencia, Luanda, Angola 5 Faculdade Pernambucana de Saude, Instituto de Medicina Integral Prof Fernando Figuera (IMIP), Recife, Brazil