



UNIVERSITÀ
DEGLI STUDI DI TRIESTE

Rettorato e Direzione Generale
Sezione Ricerca e Dottorati
Ripartizione Dottorati

LAST REVISED 27 giugno 2014

**PhD IN
MOLECULAR BIOMEDICINE**

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/dott/en/> >> Admission Announcement.

Deadline for online application	21 August 2014 11:30 a.m. (ITALIAN TIME)
Deadline for paying the exam registration (application) fee	21 August 2014
Deadline for submitting qualifications and publications plus the form <i>Integration to the Application</i>	05 September 2014 11:30 a.m. (ITALIAN TIME)
Deadline for completion of the degree required for admission	31 October 2014
Oral examination/interview	16 September 2014 09:30 a.m. (ITALIAN TIME)
Documents required <i>(for further details see below "Weighting of the qualifications")</i>	1. Form "Integration to the application" 2. The following documents: a. detailed <i>curriculum vitae et studiorum</i> , with a special focus on pre-PhD activities, including a list of exams taken and marks obtained b. full text or abstract of the degree thesis c. Candidate's Presentation (Letter of self presentation in English + Two reference letters)

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IN BRIEF		
<i>Lines of research</i>		1 Molecular Oncology
		2 Molecular Pathophysiology
		3 Regenerative Medicine
		4 Molecular Therapeutics and Diagnostics
		5 Tissue Engineering
		6 Molecular Microbiology
<i>Administrative location</i>		University of Trieste
<i>Organizing Department</i>		Department of Life Sciences
<i>Participating Departments</i>		Department of Medicine, Surgery and Health Sciences
<i>Duration</i>		3 years
<i>Maximum number of months to be spent abroad by each PhD student</i>		12
<i>Official language</i>		English
<i>Language (alternative to Italian) partially used in PhD activities</i>		All activities of the PhD program are in English
<i>Subject Area</i>	<i>main</i>	05
	<i>others</i>	06; 03
<i>Macro Research Fields</i>	<i>main</i>	05/E
	<i>others</i>	05/F, 05/D, 05/G, 05/B, 03/C, 06/A, 06/B, 06/D;
<i>Scientific Disciplinary Sector</i>	<i>main</i>	--
	<i>others</i>	BIO/10, BIO/13, MED/09, BIO/09, BIO/14, MED/12, BIO/12, BIO/06, MED/11, MED/04, CHIM/04, BIO/11, MED/03
<i>Domain European Research Council</i>		LS
<i>ERC Panels</i>	<i>main</i>	LS1
	<i>others</i>	LS3, LS4, LS2, LS7, LS5
<i>Erasmus Subject Area Codes</i>	<i>main</i>	--
	<i>others</i>	12.1, 13.1, 13.4, 13.6
Information on the codes can be found online at: http://www2.units.it/dott/en/?file=DottBandi.inc >> Admission Announcement and relative attachments (...) >> "Labelling" (file.xls)		

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PLACES, SCHOLARSHIPS, RESEARCH GRANTS AVAILABLE

<i>Total number of places available (excluding R/2 R/3 – see below)</i>		11	
<i>with scholarship</i>		4	
<i>without scholarship</i>		7	N.B.: Candidates who accept an earmarked scholarship are committed to the pre-assigned topic.
<i>Scholarships/Research grants available with indication of the code, total number and funding body</i>	G/1	1	MIUR “Progetto Giovani Ricercatori” (The project will be developed in the study of the molecular basis of tumor progression and degenerative diseases).
	MD/2	1	University of Trieste + Department of Life Sciences (Project title “ <i>Role of HMGA in the progression of neoplastic transformation</i> ”)
	MD/3	1	University of Trieste + Department of Life Sciences (Project title “ <i>Role of the innate immunity in tumor progression</i> ”)
	MD/4	1	University of Trieste + Department of Life Sciences funded by Laboratorio nazionale CIB (LNCIB) di Trieste (Project title “ <i>Impact of mutant p53 in the oncogenic response of cancer cells to inflammation</i> ”)
	MD/5	1	University of Trieste + Department of Life Sciences funded by Laboratorio nazionale CIB (LNCIB) di Trieste (Project title “ <i>Molecular dissection of cancer signaling pathways</i> ”)
	MD/6	1	University of Trieste + Department of Life Sciences funded by Laboratorio nazionale CIB (LNCIB) di Trieste (Project title “ <i>Molecular dissection of CAPNS1/USP1 axis: understanding the mechanism of regulation and developing new diagnostic and therapeutic tools</i> ”)
	MD/7	1	University of Trieste + Department of Life Sciences funded by Laboratorio nazionale CIB (LNCIB) di Trieste (Project title “ <i>Analysis of the physico-chemical basis for RNA-protein interactions in Biogels/RNPs formation for their biochemical and molecular characterization</i> ”)
<i>Reserved places with scholarships/research grants available for graduates at universities abroad [R/1] with indication of the code, total number and funding body</i>	R/1	0	--
<i>Reserved places with no PhD scholarship provided</i>	R/2	0	Scholarships funded by foreign Countries Scholarships funded by international mobility programmes – (scholarship reserved to researchers from Argentina granted by the Italian Ministry of Foreign Affairs according to Law 11 April 1955 n. 288, and subsequent modifications according to Law 12 March 1977, n. 87 and Law 23 December 1991, n. 424)
	R/3	1	The selection shall comply with the terms and rules set by the Academic Board. Applications must be submitted within 30 June 2014. For information please refer to the “Farnesina” website http://borseonline.esteri.it and to the website of the Italian Embassy in Buenos Aires

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http://www.ambuenosaires.esteri.it/NR/rdonlyres/0124A82D-EB02-469B-B3E6-F6202F64542A/76542/Bando2014_2015persitoAmbasciataBSAS rev.pdf

PhD students from foreign universities may be admitted with a joint supervision of their thesis	Yes
Erasmus Mundus PhD students from foreign universities may be admitted on a joint supervision of their thesis	Yes
Erasmus Mundus PhD students from foreign universities may be admitted on international mobility programmes	Yes

THE SELECTION PROCEDURE

Academic qualification required: see Announcement: see Announcement (art. 2 - Requirements)	Italian Master's Degree "Laurea Specialistica/Magistrale" or Degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270, (or a qualification corresponding to a Master's -second level- degree) An equivalent foreign academic qualification awarded abroad An academic qualification awarded abroad which is considered to be equivalent to the Italian degree that allows the holder to undertake PhD studies for duration, level and area of study	
Deadline for completion of the Degree required for admission	31.10.2014	
Assessment criteria	qualifications + oral examination/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)		120/120
Minimum final score required for eligibility		75/120
Maximum score awarded for qualifications+publications		20/20
Minimum score required for qualifications+publications		0/20
Weighting of the qualifications Unless the form "Integration to application" is presented, qualifications and publications cannot be assessed by the Examining Board. The form is available at: http://www2.units.it/dott/en/?file=DottBandi.inc&cod=1010	a detailed <i>curriculum vitae et studiorum</i> , with a special focus on pre-PhD activities, including a list of exams taken and marks obtained	14/20
	b full text or abstract of the degree thesis	0/20
	c Candidate's Presentation (Letter of self presentation in English + Two reference letters)	6/20

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Oral examination/interview score out of – maximum score	100/100
Oral examination/interview score out of – minimum score	70/100
Deadline for submitting qualifications and publications	05 September 2014
Qualifications and publications shall be submitted: (art. 5.1.4 of the PhD Announcement)	- as an attachment to the online admission application (upload), deadline 11:30 a.m. (Italian time) 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): in person at Department of Life Sciences– via Valerio, 12/2 – Building H3 – University of Trieste – from Mondays to Fridays from 9:00 to 12:00 am. (ITALIAN TIME)
Oral examination/interview	16 September 2014 at 09.30 a.m. (ITALIAN TIME) , at University of Trieste – Dep. Life Sciences – Building Q – workshop room ("Sala Riunioni") – 2. floor – Via L. Giorgieri, 5 – 34127-TRIESTE
Language(s) of the interview	Italian and English. Only English for non italian candidates
Language(s) tested in the oral examination/interview	English
CEFR (Common European Framework of Reference for Languages)	B1
Videoconference interview	Upon request from the candidate, unable to take the oral examination in person for valid reasons, the interview may be carried out through videoconference, with the same schedule (check 6.2 Admission Announcement)

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WHO'S WHO	
<i>Chair</i>	Prof. Guidalberto Manfioletti Dep. Life Sciences – University of Trieste - phone 040/558.8720 - 2441 - 2442 fax 040/558.3691 e-mail manfiolo@units.it
<i>Web site</i>	http://www2.units.it/dmm/
<i>Learning outcomes</i>	<p>The PhD program in Molecular Biomedicine aims to provide higher education to young University graduates in biomedical – and scientific in general – disciplines, to prepare them for a career in basic, clinical or translational research in the field of molecular medicine, with specific reference to the areas of molecular oncology, pathophysiology, molecular genetics, biochemistry, cell biology, regenerative medicine, and pharmacology. Key to the program is research activity in the laboratory, where students develop a critical approach to scientific observation and carry out a specific project. The Program also organizes intensive courses on core biomolecular disciplines, and seminars given by national and international experts. The PhD program in Molecular Biomedicine is a logical choice for young University graduates who wish to pursue a career in basic and translational biomedical research. The program gathers a significant number of researchers with strong experience in biomedicine, thus offering to students a broad set of choices spanning the entire spectrum of modern research in molecular medicine.</p> <p>The PhD program is part of the Italian Network of PhD programs in biomedical and biotechnological sciences (NEIDOS, http://dev.neidos.it).</p>
<i>Job placement opportunities</i>	<p>The PhD program in Molecular Biomedicine offers job placement opportunities primarily in basic and translational biomedical research. Mainly in academic research institutions or hospitals, but also in pharmaceutical and biotech companies. The program is designed to provide a solid scientific background and a very strong experimental competence; graduates can be directly employed in biotech companies, or they can continue their scientific career with a post-doctoral experience, eventually leading to a position of independent group leader.</p> <p>This program can lead to the following employment opportunities: 1) Researcher, doing basic research in academic institutions or biotech/pharmaceutical companies. 2) Clinical Investigator, doing clinical research in academia, public or private hospitals, pharmaceutical companies. 3) Medical biotechnologist, doing applied research in biotech/pharmaceutical companies, academia, public or private hospitals.</p>
<i>Main cooperating international Universities and Research Institutions</i>	<ol style="list-style-type: none">1 Max-Planck-Institut für Biochemie, Munich, Germania. Dept of proteomics and signal transduction2 NTNU - Norwegian University of Science and Technology, Trondheim, Norvegia. Department of Biotechnology3 University of Maastricht, Maastricht, Paesi Bassi. Department of Surgery, Academic Hospital Maastricht (azM), Maastricht University Medical Center4 University of Turku, Turku, Finlandia. Turku Clinical Biomaterials Centre - TCBC5 University College London, Regno Unito. Pharmacology Department

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