



MOLECULAR MEDICINE	
Cycle	XXXIV
Coordinator	Prof. Stefania CONTI Department of Medicine and Surgery email: stefania.conti@unipr.it
Duration	3 years
Starting date of the PdD programme	01/11/2018
Research Topics	
<ul style="list-style-type: none">• Anatomy• Clinical Biochemistry• Maxillofacial Surgery• Cardiac Pathophysiology• Oral Diseases• Translational Oncology• General Pathology• Relationships among Periodontology/Implant Dentistry, Systemic Diseases and Biomaterials• Forensic Toxicology	
Training Objectives	
<p>The objectives of the PhD program in Molecular Medicine are to provide the students with the best available intellectual and technological expertise needed for the implementation of advanced research projects in the integrated context of specific bio-medical scientific disciplines. On the basis of the cultural formation and the methodological experience achieved, it is expected that the Ph.D. in Molecular Medicine will accomplish high-rank positions in Research and Technological Development activities performed in Universities, research centers and industries engaged in the medical, biological and biotechnological fields.</p>	
Admission requirements	
<p>Applicants who have one of the following degrees may participate in the selection:</p> <ul style="list-style-type: none">- Laurea specialistica or Laurea magistrale (second cycle degree)- Laurea Vecchio Ordinamento (degree obtained under the Italian previous regulations);- an academic Master's degree obtained abroad, equipollent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral programmes. <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by October 31st 2018.</p>	
POSITIONS PUT OUT TO COMPETITION	
With Scholarship	10
Without Scholarship	2
Reserved to employees of companies having a "Industrial Doctorate" arrangement	3
TOTAL	15



Positions with University Scholarship		
N°	Funding entity	Research Topic, if any
3	Scholarship Ministerial funds	---
1	Scholarship University funds	---
1	Scholarship co-funded by Fondazione Cariparma	---
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 11 of the Call for applications)		
<p>During the oral exam, applicants may express their interest in being assigned a scholarship dedicated to a specific research topic to the Examination Board. The Board will express its judgement on eligibility in consideration of the specific competences, experience and specific aptitude of the applicant.</p>		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Funded by University Center of Dentistry	<ul style="list-style-type: none"> • Laser biostimulation in tissue repair
1	Funded by EURAC Research	<ul style="list-style-type: none"> • Myocardial tissue engineering: development of a multidimensional/multicellular model to investigate cardiac function
1	Funded by Azienda USL/IRCCS Reggio Emilia	<ul style="list-style-type: none"> • Metabolomics in Biomedicine
1	Funded by Svoltare onlus	<ul style="list-style-type: none"> • Evaluation of the correlation between use of psychoactive substances and DNA methylation, and oxidative damage on nucleic acids in stressed population
1	Funded by EMILIA ROMAGNA REGION	<ul style="list-style-type: none"> • Preclinical development of theranostic and immunotherapeutic agents intended for the treatment of solid tumours of high socio-economic impact
Position reserved according to art. 2 paragraph 2, lett. e) of Ministerial Decree n. 45/2013 (Industrial Doctorate)		
N°	Company/Institution	
1	Reserved to employees of Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST)	
2	Reserved to employees of Fondazione IRCCS Istituto Nazionale dei Tumori di Milano	
ADMISSION PROCEDURES		
<p>Assessment of QUALIFICATIONS: up to 60 points (a minimum score of 10 points shall be required to be admitted to the oral exam) ORAL EXAM: up to 60 points Minimum score for ELIGIBILITY: 70/120</p>		
Foreign Language	Language the fluency of which shall be assessed during the oral exam: ENGLISH.	
Possibility of videoconference for candidates residing or temporarily abroad		NO



LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT

Mandatory documents to be attached to the on-line application

- **ANNEX A** (art. 5 of the Call for Applications)
- Scanned Copy of a **valid identification document** with photo
- **Curriculum Vitae et studiorum** (art. 4 of the Call for Applications)
- **Abstract of the second cycle master's degree thesis.** Undergraduate applicants may submit the draft of the thesis approved by their supervisor (10.000 characters including spaces)
- **Certificates and academic transcript of records for both the Bachelor' and the Master' degrees** containing the following details for each degree held: (art. 4 of the Call for Applications):
 - University that granted the degree
 - Type of degree (first cycle/second cycle/single cycle)
 - Name of the degree programme
 - Date of graduation
 - Final mark
 - List of exams and corresponding scores (academic transcript of records)
 - Translation into Italian or English (only for degrees issued in languages other than Italian or English)

Further qualifications that may be attached to the application, if in possession of the applicant

(only qualifications attested by documents drawn up in Italian or in English)

- **Research Project:** The research project shall consist of a maximum of 3 pages, be written in Italian or in English, focus on an original research topic and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, perspectives;
it does not represent a constraint with respect to the subsequent choice of the doctoral thesis, that shall be defined together with the supervisor and approved by the Academic Board;
- **Statement of Research Interest:** Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD programme and at describing her/his specific research interests;
- **Scientific Publications:** Articles on national and international journals, contributions presented at conferences or symposia, book chapters etc.;
- **Reference Letters:** a maximum of 3 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas of the PhD programme working in public or private research facilities;
- **Academic qualifications:** other Master and/or specialization degree in subjects consistent with the research topics of this PhD programme;
- **Mobility experience abroad** (e.g. Erasmus or similar);
- **Any other document** certifying applicant's training and abilities (grants, awards, scholarships, etc.).

EVALUATION CRITERIA

QUALIFICATION	EVALUTATION CRITERIA	POINTS
Curriculum Vitae et studiorum		Up to 10 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 5 points; - 110: 3 points; - From 100 to 109: 0,2 point for each mark unit	Up to 5 points



Average of the exam marks (for conditionally enrolled candidates who will attain the degree no later than 31 October 2018)	Score related to the average of the exam marks: - > 28/30: 5 points; - > 27/30: 3 points; - > 25/30: 1 point	Up to 5 points
Graduation thesis	Congruity of the Master's Degree thesis with the doctoral programme research topics	Up to 7 points
Research Project		Up to 10 points
Statement of Research Interest		Up to 10 points
Scientific publications		Up to 10 points
Reference Letters		Up to 3 points
Other qualifications	Academic qualifications/experience abroad/grants, scholarships and awards	Up to 5 points
ORAL EXAMINATION	EVALUATION CRITERIA	POINTS
The ORAL EXAM focuses on the discussion of the Degree Thesis and of a subject related to the chosen research topic (the subject will be drawn by the candidate).	<ul style="list-style-type: none"> ○ discussion of the thesis ○ knowledge of chosen topic ○ proficiency in the foreign language 	Up to 60 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	ORAL EXAM DATE: 14 September 2018 TIME: 09:30 am PLACE: Meeting Room - TOWER B Integrated Biotechnological Plexus Via Volturno, 39 – 43125 PARMA - ITALY	
OTHER INFORMATION	For foreign candidates, English may be used during the examination, at the candidate's choice.	