



DRUGS, BIOMOLECULES AND HEALTH PRODUCTS		
<b>Cycle</b>	XXXIV	
<b>Coordinator</b>	Prof. Marco MOR Food and Drug Department email: <a href="mailto:marco.mor@unipr.it">marco.mor@unipr.it</a>	
<b>Duration</b>	3 years	
<b>Starting date of the PdD programme</b>	01/11/2018	
<b>Research Topics</b>		
<ul style="list-style-type: none"><li>• Biochemistry and Molecular Biology</li><li>• Biopharmaceutics – Pharmacokinetics</li><li>• Experimental Pharmacology and Toxicology</li><li>• Design and Synthesis of Bioactive Compounds</li></ul>		
<b>Training Objectives</b>		
<p>The PhD programme "Drugs, Biomolecules and Health Products" is aimed at the preparation of "Dottori di ricerca" having scientific bases and research experience in the design, discovery, development, production and control of drugs and health products, as well as in the investigation of mechanisms of action for drugs and biomolecules. The Course offers multi-disciplinary formation in different scientific areas, mainly chemical and biological with particular focus on medicinal chemistry, pharmaceutical technology, pharmacology and biochemistry. All the contributions converge toward the education and research training of PhD students who, at the end of the course, are expected to produce innovation and new knowledge in the field of drugs, biomolecules, health products and their interaction with biological substrates.</p>		
<b>Admission requirements</b>		
<p>Applicants who have one of the following degrees may participate in the selection:</p> <ul style="list-style-type: none"><li>- Laurea specialistica or Laurea magistrale (second cycle degree)</li><li>- Laurea Vecchio Ordinamento (degree obtained under the Italian previous regulations);</li><li>- an academic Master's degree obtained abroad, comparable to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral programmes.</li></ul> <p>Undergraduate applicants may also submit applications with the obligation of getting their degree by <b>October 31<sup>st</sup> 2018</b>.</p>		
<b>POSITIONS PUT OUT TO COMPETITION</b>		
<b>With Scholarship</b>		6
	<b>TOTAL</b>	<b>6</b>
<b>Positions with University Scholarship</b>		
<b>N°</b>	<b>Funding entity</b>	<b>Research Topic</b>
<b>4</b>	Scholarship Ministerial funds	<ul style="list-style-type: none"><li>• n. 1 Biochemistry and Molecular Biology</li><li>• n. 1 Biopharmaceutics – Pharmacokinetics</li><li>• n. 1 Experimental Pharmacology and Toxicology</li><li>• n. 1 Design and Synthesis of Bioactive</li></ul>
<b>1</b>	Scholarship co-funded by Fondazione Cariparma	<ul style="list-style-type: none"><li>• Biopharmaceutics - Pharmacokinetics</li></ul>



## Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 11 of the Call for applications)

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 to be assigned the scholarship in consideration of the specific competences, experience and specific aptitudes of the applicants.

N°	Funding entity	BOUND RESEARCH TOPIC
1	Funded by Food and Drug Department	<ul style="list-style-type: none"><li>Functional characterization of serum lipoprotein pro- and antiatherogenic activities</li></ul>

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 50 points  
(a minimum score of 30 points shall be required to be admitted to the Oral Exam)

**ORAL EXAM:** up to 70 points

**Minimum score for ELIGIBILITY:** 70/120

<b>Foreign Language</b>	Language the fluency of which shall be assessed during the Oral Exam: <b>ENGLISH.</b> The evaluation of the knowledge of this language will be oral and will consist in translating of a scientific text.
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**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** for the Graduates
- **Draft of the thesis approved and countersigned by their supervisor** (10.000 characters including spaces) for the Undergraduates
- **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 a document drawn up in Italian or in English)

- **Research Project:** The research project shall consist of a maximum of 2 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, execution of the research, expected results;  
it does not represent a constraint with respect to the following choice of the doctoral thesis, that shall be defined together with the supervisor and approved by the Academic Board;



- **Scientific Publications:** Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings.

## EVALUATION CRITERIA

QUALIFICATION	EVALUTATION CRITERIA	POINTS
<b>Curriculum Vitae et studiorum</b>	Including academic career, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark, and postgraduate experiences, including any awards.	<b>Up to 20 points</b>
<b>Graduation thesis Or Draft of the thesis</b>	Consistency of the Master's Degree thesis with the doctoral programme research topics (briefly describe the topics in the curriculum)	<b>Up to 10 points</b>
<b>Research Project</b>	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"> <li>○ Scientific value and ground-breaking nature of the proposal: 5 points</li> <li>○ description and structure of the proposal: 5 points</li> <li>○ consistency with the themes of the doctorate: doctorate proposal feasibility: 5 points</li> </ul>	<b>Up to 15 points</b>
<b>Scientific Publications</b>	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings	<b>Up to 5 points</b>
ORAL EXAMINATION	EVALUATION CRITERIA	POINTS
The ORAL EXAM will focus on an interview aimed at ascertaining the preparation of the candidates with particular regard to the research topics of reference of the present PhD course.	<ul style="list-style-type: none"> <li>○ knowledge of foreign languages: 10 points</li> <li>○ research project presentation: 30 points</li> <li>○ general knowledge of issues connected to the PhD course: 30 points</li> </ul>	<b>Up to 70 points</b>
SCHEDULE OF THE ADMISSION EXAMS		
<b>ORAL EXAM</b>	<b>ORAL EXAM DATE:</b> 17 September 2018 <b>TIME:</b> 09:30am <b>PLACE:</b> Food and Drug Department Parco Area delle Scienze, 27/A – 43124 PARMA - ITALY	
<b>OTHER INFORMATION</b>	For foreign candidates, the admission examinations may be held in English at the candidate's choice.	