

<b>BIOTECHNOLOGY AND LIFE SCIENCE</b>		
<b>Cycle</b>	<b>XXXI</b>	
<b>Duration</b>	3 years	
<b>Supervisor</b>	Prof. Nelson Marmioli – Department of Biosciences E-mail: <a href="mailto:nelson.marmioli@unipr.it">nelson.marmioli@unipr.it</a>	
<b>Research Topics</b> (the applicant must indicate a research topic)	<ul style="list-style-type: none"> <li>• Environmental</li> <li>• Genetic</li> <li>• Biomolecular</li> </ul>	
<b>Training objectives</b>	The PhD in Biotechnology and Biosciences aims to train experts to carry out research in the field of biological disciplines and applied technologies. The themes of the doctoral research are mainly focused on the study of function, organization, and regulation of the genome of microbial organisms, plants and animals, to get insights into their possible application in biotechnology. Methods used are basically those of genetics, molecular biology, biochemistry, and applied biology. Starting from these objectives, in order to train PhDs with highly qualifying skills, three main areas of research have been identified as follows: 1) environmental; 2) genetic; 3) biochemical-molecular. Students will develop a full-time research project while also providing critical contributions, thus achieving scientific and managerial autonomy, thanks also to the numerous international scientific collaborations in which they will be involved.	
<b>Academic degree required</b>	Laurea pursuant to the previous university system, laurea specialistica or laurea magistrale, or a foreign academic qualification that has been recognized as equivalent.	
<b>Positions put out to competition*</b>		
<b>With scholarship</b>	4	
<b>Covered by High Internship and Research Agreements*</b>	1	
<b>Without scholarship</b>	1	
<b>TOTAL</b>	<b>6</b>	
<b>Scholarship types</b>	<b>No.</b>	<b>Description</b> (funding entity and research topic, if any)
	3	Scholarships of the University of Parma
	1	Co-funded by Fondazione Cariparma
<b>Positions covered by High Internship and Research Agreements *</b>	<b>No.</b>	<b>Position covered by Internship Agreements with:</b>
	1	GenProbio Srl
<b>Admission procedures</b>	<b>Assessment of QUALIFICATIONS:</b> up to 40 points <b>ORAL EXAM:</b> up to 80 points  <b>Minimum score for ELIGIBILITY:</b> 70/120	

<p><b>Interview via teleconference for candidates residing abroad</b></p>	<p style="text-align: center;">THE ORAL EXAM MAY BE HELD  <u>VIA VIDEOCONFERENCE FOR CANDIDATES RESIDING ABROAD</u> or  <u>CANDIDATES ABROAD FOR STUDY. THE INTERVIEW MAY BE HELD ALSO IN ENGLISH.*</u>          (the relevant request shall be submitted using the form attached to the competitive examination announcement)</p>		
<p><b>List of QUALIFICATIONS to be submitted and their assessment</b></p>	<p><b>Graduation thesis</b></p>	<p>Abstract of the graduation thesis  <b>(mandatory qualification)</b></p>	<p>Up to 3 points</p>
	<p><b>Graduation Mark</b></p>	<p>Score based on the graduation mark          - 110 with honours: 20 points;          - 110: 18 points;          - from 101 to 109: 2 points for each mark unit (0-16 points).</p>	<p>Up to 20 points</p>
	<p><b>Average of exam marks (if the candidate is enrolled subject to condition)</b></p>	<p>Score relating to the mark average:          - 30/30: 18 points;          - From 21/30 to 29/30: 2 points for each mark unit (0-16 points).</p>	<p>Up to 18 points</p>
	<p><b>Curriculum Vitae et studiorum and other qualifications</b></p>	<p>Covering the candidate's university career and postgraduate experience  <b>(mandatory qualification)</b></p>	<p>Up to 6 points</p>
	<p><b>Statement of Research Interest</b></p>	<p>Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the doctorate program and at describing his/her specific research interests</p>	<p>Up to 2 points</p>
	<p><b>Scientific publications</b></p>	<p>Publications with referee: 2 points for each publication.           (for assessment purposes a copy shall be attached to the application)</p>	<p>Up to 6 points</p>
	<p><b>Congress or symposia abstracts</b></p>	<p>1 point for each abstract.           (for assessment purposes a copy shall be attached to the application)</p>	<p>Up to 3 points</p>
<p><b>Foreign language</b></p>	<p>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 reading and translating of a scientific text.</p>		
<p><b>Schedule of the admission exam</b></p>	<p><b>ORAL EXAM DATE:</b> 17 September 2015  <b>TIME:</b> 09:00am  <b>PLACE:</b> "Edificio Biologico" (Department of Biosciences)          Parco Area delle Scienze, 11/A – 43124 PARMA, ITALY           For information, please contact the Students' Office (phone: +390521-905613)</p>		
<p><b>Oral Exam topics</b></p>	<p>The Oral Exam shall be held in accordance with the following procedures:          - The admissions committee will prepare a series of packets</p>		

	<p>containing scientific publications with references in English, chosen based on the scientific topics of the relevant PhD Program.</p> <ul style="list-style-type: none"> <li>- The candidate will be asked to choose a publication and to prepare an oral presentation on it; the candidate will have a suitable length of time (two hours) to carry out the above task.</li> <li>- Candidates will be called in alphabetical order by the admissions committee to give their presentation.</li> <li>- During this exam, the candidate's fluency in the English language will also be assessed.</li> </ul> <p>At the end, the committee will propose a mark based on the following criteria: comprehension of the text assigned, clarity in presenting the paper, ability to in-depth analysis and fluency in the second language.</p>
<b>OTHER INFORMATION</b>	<p>For further clarifications and information on the procedures for the admission exam, please contact Barbara Montanini (<a href="mailto:barbara.montanini@unipr.it">barbara.montanini@unipr.it</a>) and Roberta Ruotolo (<a href="mailto:roberta.ruotolo@unipr.it">roberta.ruotolo@unipr.it</a>)</p>

\*Amended by DR 2141 del 05/08/2015