

BIOTECHNOLOGY AND LIFE SCIENCE		
Cycle	XXXII	
Duration	3 years	
Coordinator	Prof. Nelson MARMIROLI – Department of Biosciences E-mail: nelson.marmiroli@unipr.it	
Research Topics (the applicant MUST indicate one research topic)	<ul style="list-style-type: none"> • Environmental • Genetic • Biomolecular 	
Training objectives	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.	
Academic degree required	Laurea pursuant to the previous university system, laurea specialistica or laurea magistrale, or a foreign academic qualification that has been recognized as equivalent.	
POSITIONS PUT OUT TO COMPETITION		
With Scholarship	5	
Without Scholarship	1	
TOTAL	6	
KIND OF SCHOLARSHIP		
N°	<i>Funding entity</i>	<i>Research Topic, if any</i>
3	Scholarship Ministerial funds	--
1	Scholarship University funds	--
1	Co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> • Environmental biotechnology as part of a project for the sustainability of an university urban district (Mastercampus project)
ADMISSION PROCEDURES		
Assessment of QUALIFICATIONS: up to 40 points ORAL EXAM: up to 80 points Minimum score for ELIGIBILITY: 70/120		

Foreign Language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH . The evaluation of the knowledge of this language will be written/oral and will consist in reading and traslating of a scientific text.	
Possibility of videoconference for candidates residing abroad (the relevant request shall be submitted using the form attached to the competitive examination announcement)		YES
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH		
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
Graduation thesis	Abstract of the graduation thesis (mandatory qualification)	Up to 4 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 20 points; - 110: 18 points; - From 101 to 109: 2 points for each mark unit (0-16 points)	Up to 20 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2016)	Score related to the average of the exam marks: - 30/30: 18 points; - From 21/30 to 29/30: 2 points for each mark unit (0-16 points)	Up to 18 points
Curriculum Vitae et studiorum and other qualifications	Including academic career and postgraduate experience, accompanied with a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark (mandatory qualification)	Up to 7 points
Scientific publications	Publications with <i>referee</i> : 2 points for each publication (for assessment purposes a copy shall be attached to the application online).	Up to 6 points
Other qualifications	Congress or symposia abstracts: 1 point for each abstract (for assessment purposes a copy shall be attached to the application).	Up to 3 points
SCHEDULE OF THE ADMISSION EXAMS		
ORAL EXAM	DATE: 16 settembre 2016 TIME: 09.00am PLACE: Classroom 1 – Biosciences Building Parco Area delle Scienze, 11/A – 43124 PARMA	
Oral Exam topics	The Oral Exam will focus on the critical reading of a scientific publication choice among those proposed by the commission as part of the research topic chosen by the candidate. Candidates will be called order by the admissions committee to discuss the contents of the scientific publication.give their presentation.	
OTHER INFORMATIONS	The applicant must indicate in the application preference of a research topic among those proposed in the notice (Environmental, Genetic and Molecular). Within the Environmental research topic, the applicat must indicate whether she/he in interested in the scholarship co-funded by Fondazione Cariparma. For further clarifications and information on the procedures for the admission exam, please contact Barbara Montanini (barbara.montanini@unipr.it) and Roberta Ruotolo (roberta.ruotolo@unipr.it)	

