

BIOTECHNOLOGIES AND LIFE SCIENCE		
Cycle	XXX	
Duration	3 years	
Supervisor	Prof. Nelson Marmioli – Department of Biosciences E-mail: nelson.marmioli@unipr.it	
Research Topics:	<ul style="list-style-type: none"> • Environmental • Genetics • Biochemical-Molecular 	
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	
Scholarship types	No.	Description (funding entity and research topic, if any)
	3	Scholarships of the University of Parma
	1	MIUR Scholarship "Fondo Giovani" on the "Human health (study and treatment of cancers and degenerative diseases with new approaches resulting from the knowledge of the human genome)"
	1	Co-funded by Fondazione Cariparma
Admission procedures	Assessment of QUALIFICATIONS: up to 40 points ORAL EXAM: up to 80 points Minimum score for ELIGIBILITY: 70/120	

Interview via teleconference for candidates residing abroad	THE ORAL EXAM MAY BE HELD VIA VIDEOCONFERENCE FOR CANDIDATES RESIDING ABROAD. THE INTERVIEW MAY BE HELD ALSO IN ENGLISH. (the relevant request shall be submitted using the form attached to the competitive examination announcement)		
List of QUALIFICATIONS to be submitted and their assessment	Graduation thesis	Abstract of the graduation thesis (mandatory qualification)	Up to 2 points
		Graduation mark 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).	Up to 20 points
	Average of exam marks (if the candidate is enrolled subject to condition)	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).	Up to 18 points
	Curriculum Vitae et studiorum and other qualifications	Covering the candidate's university career and postgraduate experience (mandatory qualification)	Up to 6 points
	Scientific publications	Publications with referee: 2 points for each publication. (for assessment purposes a copy shall be attached to the application)	Up to 8 points
	Papers at conventions or meetings	1 point for each convention paper. (for assessment purposes a copy shall be attached to the application)	Up to 4 points
Foreign language	Language the fluency of which shall be assessed during the Oral Exam: ENGLISH		
Schedule of the admission exam	ORAL EXAM DATE: 26 September 2014 TIME: 09:00am PLACE: "Edificio Biologico" (Department of Biosciences) Parco Area delle Scienze, 11/A – 43124 PARMA, ITALY For information, please contact the Students' Office (phone: +390521-905613)		
Oral Exam topics	The Oral Exam shall be held in accordance with the following procedures: - The Program Board will prepare a series of packets containing scientific publications with references in English, chosen based on the scientific topics of the relevant Doctorate Program. - 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.		

	<ul style="list-style-type: none">- Candidates will be called in alphabetical order by the Program Board to give their presentation.- During this exam, the candidate's fluency in the English language will also be assessed. <p>At the end, the Board 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>
OTHER INFORMATION	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)