

Biomedical Sciences and Biotechnology

Cycle	XXXVII
Director	Prof. Paolo Pinton – Department of Medical Science – paolo.pinton@unife.it
Duration	3 years
Partner Institutions	International Centre for Genetic Engineering and Biotechnology (ICGEB)
Curriculum	1. Cellular biochemistry and molecular pathology 2. Biotechnology 3. Physiopathological and molecular bases of integrated functions of endocrine, nervous and vascular systems
Research Topics	http://www.unife.it/studenti/dottorato/corsi/riforma/biomedical
Qualification required for admission	Equivalent Italian degree known as “Laurea specialistica/magistrale” or a degree awarded prior to approval of Ministerial Decree D.M. n. 509 of 3 November 1999, updated with D.M. n. 270 of 22 October 2004, n. 270; Master’s (second level) degree, or an equivalent foreign academic qualification awarded abroad.

Available Positions

Positions with Scholarship	Regular Positions	9
	Reserved positions for Candidates coming from foreign Institutions	1
Positions without Scholarship	Regular Positions	2
	Reserved positions for Candidates coming from foreign Institutions	1
Positions reserved to candidates belonging to specific categories	Reserved positions for candidates holding a foreign government scholarship or a scholarship funded by international mobility programmes	2
Total number of available positions		15

Kind of Financial Support

N°	Financial support	Research Topic
2	Università degli studi di Ferrara	
1	Co-financed by Dept. Medical Science and Università di Ferrara	
1	Co-financed by Dept. Medical Science and Università di Ferrara	
1	Co-financed by Dept. NeuroSciences and Rehabilitation and Università di Ferrara	Involvement of Inflammasome machinery in Autism Spectrum Disorder pathophysiology
1	Co-financed by Dept. Life Sciences and Biotechnology and Università di Ferrara	Gene therapy: innovative delivery and "DNA-editing" approaches
1	Co-financed by Dept. Translational Medicine and Università di Ferrara	
1	Co-financed by Dept. Translational Medicine and Università di Ferrara	Characterization of the crosstalk between Notch and Wnt in highly predictive 3D human cellular models of the cardiovascular system
1	International Centre for Genetic Engineering and Biotechnology (ICGEB)	
1	Funded by Regione Emilia-Romagna: Research Project for Technology Transfer and Business	Deep learning in the study of genomics and single-cell big data for precision medicine in solid tumors

Assessment Criteria

Evaluation of qualification: max. score 40 points. Minimum score required to be admitted to the interview 28/40

Interview: max. score 40 points (including the foreign language examination). **Minimum final score required: 60/80**

During the interview, the applicant’s knowledge of the following languages will be tested.

English

List of documents for the evaluation

Curriculum vitae et studiorum	Mandatory documents: Academic career information, a list of examinations and grades and final marks, for Bachelor and Masters degrees;	Up to 18 points
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	Thesis abstract may be included – (max length 5.000 character spaces included). Only for undergraduates students the abstract must be signed by the supervisor.	
Research Project	Max. length: 10.000 character spaces included, in English or in Italian which must contain an original proposal for a research project, with the following structure: introduction to the scientific international context, relevance of the topic, expected results, argumentation. The text should also include the candidate's motivation to enter the Ph.D. course and describe his/her research interests. The proposed research project is not binding with regard to the subsequent topic to be developed during the three year course.	Up to 10 points
Scientific publications	Mandatory documents: <i>In extenso</i> peer reviewed publications, including abstracts and/or papers presented in national or international congresses; OR File containing the full list of the publications with associated link.	Up to 5 points
Reference letters	Max 3, supporting the application, written and signed by teachers, experts, researchers or professionals, qualified for the course's topics.	Up to 3 points
Other qualifications	International linguistic certificates; Certified working experiences in the field; Other academic qualifications;	Up to 4 points
Interview		
The candidate's research experiences will be discussed, and his/her linguistic skills will be verified.		
Examination Timetable		
Evaluation of qualifications and interview will take place in September. Evaluations' results may be checked at the following link: http://www.unife.it/studenti/dottorato/concorsi/selection . The beginning date for consulting the evaluations' results and the interview schedule will be available within the present call deadline at the following page http://www.unife.it/studenti/dottorato/concorsi/commissioni .		