

Life Sciences and Biotechnologies

Cycle	39°
Director	Prof. Luca Ferraro (luca.ferraro@unife.it) Department of Life Sciences and Biotechnology
Duration	3 years
Curriculum	1. Genetics and evolution 2. Cellular and molecular biology 3. Biotechnologies
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/life-sciences-and-biotechnology
Qualification required for admission	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

Assessment Criteria

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

Interview: maximum score **40** points

Minimum final score required: 60/80

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

English

List of assessable credentials

Curriculum vitae et studiorum	Mandatory documents: Complete academic career information, a list of examinations and grades and final mark, for Bachelor and Masters degrees. Thesis abstract (max length 5000 characters, including spaces), with the following structure: motivation, research methodology, obtained or expected results and bibliography. Only for undergraduate students: the abstract must be signed by the supervisor.	Up to 15 points
Research Project	Max length: 10.000 characters, including spaces, in English, which must be an original proposal. The project will have the following structure: introduction to the international scientific context, relevance of the issue, expected results and argumentations. The text will also have to include the candidate’s motivations for participants in the PH. D course as well as their interests of research. The proposed research project is not binding with regard to the subsequent topic to be developed during the three-year course. <i>The mentioned project is not binding regarding the subsequent choice of the doctoral thesis, except for the positions with defined themes.</i> <i>If applying for scholarships with a specific theme, the coherence of the research project with the theme is a requirement for evaluation.</i> <i>Therefore, the research project must necessarily relate to the topic of interest, or else the application will be excluded.</i> <i>If admitted to the doctoral program, the candidate will pursue research training and the thesis consistently with the reported theme.</i>	Up to 15 points

	<i>It is possible to apply for a maximum of 2 scholarships with defined themes by submitting 2 distinct research projects as a mandatory requirement</i>	
Scientific Publications Regarding the submitted research project	Mandatory documents: <i>In extenso</i> publications including abstracts and/or papers presented in meetings; OR File containing list of the publications and link to them.	Up to 4 points
Reference letters	Maximum 3 letters, supporting the application, written and signed by teachers, experts, researchers or professionals, qualified on the course topics.	Up to 3 points
Others academic/professional qualifications	Certified working experiences in the field. Others academic qualifications. Language certifications.	Up to 3 points
Interview agenda/program		
Verification of the knowledge on the subject of the Doctoral Research topics and Candidate's linguistic skills.		
Examination Timetable		
Evaluation of qualifications and interview will take place within the 19 th of September 2023. Evaluations' results, the beginning date for consulting the evaluations' results and the interview schedule will be available within the present call deadline at the following page: https://www.unife.it/studenti/dottorato/it/concorsi/esiti-prove-concorso-di-dottorato-per-il-ciclo-39deg		

TOTAL AVAILABLE POSITIONS	8
With scholarship	6
Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs	2

Regular positions with scholarship		
N°	<i>Funding institution</i>	<i>Research topic or area (if applicable)</i>
2	Università degli Studi di Ferrara	
1	Società Area Science Park	Molecular study of the genomic and epigenomic impact in liver allograft
1	Regione Emilia-Romagna – PR FSE+ 2021/2027	Development of well-being behavioral indicators to improve sustainable aquaculture



Funded by the
European Union
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Università
degli Studi
di Ferrara

**Positions funded under Ministerial Decree No. 118/2023
CUP: F73C23000510006**

N°	Area of interest	Research topic
1	PNRR PhD Programmes - M4C1 I. 4.1	Kynurenine pathway dysfunction and mental disorders: identification of new molecular targets and innovative therapeutic strategies for schizophrenia therapy
1	PNRR PhD Programmes - M4C1 I. 4.1	Development of non-invasive prenatal diagnosis and personalized therapeutic strategies for rare genetic diseases