

## Life Sciences and Biotechnologies

<b>Cycle</b>	XXXVIII
<b>Director</b>	Prof. Luca Ferraro – Department of Life Sciences and Biotechnologies – luca.ferraro@unife.it
<b>Duration</b>	3 years
<b>Partner Institution</b>	No
<b>Curriculum</b>	1. Genetics and evolution 2. Cellular and molecular biology 3. Biotechnologies
<b>Research Topics</b>	<a href="https://www.unife.it/studenti/dottorato/it/corsi/riforma/scienze-della-vita-e-biotecnologie">https://www.unife.it/studenti/dottorato/it/corsi/riforma/scienze-della-vita-e-biotecnologie</a>
<b>Qualification required for admission</b>	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.

<b>Available Positions (total)</b>	<b>6</b>
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### Admission 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 documents for the evaluation

<b>Curriculum vitae et studiorum</b>	<p><b>Mandatory documents:</b> 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.</p>	Up to 18 points
<b>Research Project</b>	<p>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 participating in the PH. D course as well as his/her interests of research. The proposed research project is not binding with regard to the subsequent topic to be developed during the three year course.</p>	Up to 10 points
<b>Scientific Publications</b>	<p><b>Mandatory documents:</b> <i>In extenso</i> publications including abstracts and/or papers presented in meetings; <b>OR</b> File containing list of the publications and link to them.</p>	Up to 5 points
<b>Reference letters</b>	Maximum 3 letters, supporting the application, written and signed by teachers, experts, researchers or professionals, qualified on the course topics.	Up to 3 points
<b>Others academic or professional qualifications</b>	Certified working experiences in the field. Others academic qualifications. Language certifications.	Up to 4 points

### Interview

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 16<sup>th</sup> of September.

Evaluation results may be checked at the following link: <http://www.unife.it/studenti/dottorato/concorsi/selection>

The beginning date for consulting the evaluation 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>.

#### Available regular positions

N°	Funding Institution	Subject
1	Università di Ferrara	
1	Co-funded by Department of Life Sciences and Biotechnologies and Università di Ferrara	Protein and genetic engineering as strategies for the therapy of coagulopathies.
1	Co-funded by Department of Life Sciences and Biotechnologies and Università di Ferrara	Analysis of genomic diversity, in ancient and modern populations.
2	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

#### Available positions financed by D.M. 351/2022 and 352/2022

N°	Funding	Subject
1	D.M. 351/2022 (PNRR Research Doctorate line of funding - M4C1 I. 4.1)	BDNFISH: Analysis of functions and molecular mechanisms of Brain-Derived Neurotrophic Factor in a zebrafish mutant model.