

# Advanced Therapies and Experimental Pharmacology

\*\* Integrato con Decreto Rettorale Repertorio n. 1082/2021 Prot n. 126695 del 15/07/2021

<b>Cycle</b>	XXXVII
<b>Director</b>	Prof. Katia Varani – Dept of Translational Medicine - <a href="mailto:katia.varani@unife.it">katia.varani@unife.it</a>
<b>Duration</b>	3 years
<b>Curriculum</b>	No
<b>Research Topics</b>	<a href="http://www.unife.it/studenti/dottorato/it/corsi/riforma/Advanced">http://www.unife.it/studenti/dottorato/it/corsi/riforma/Advanced</a>
<b>Qualification required for admission</b>	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 degree (second level), or an equivalent foreign academic qualification awarded abroad

## Available Positions

<b>Positions with Scholarship</b>	Regular positions	8
<b>Positions reserved to candidates belonging to specific categories</b>	Reserved positions for employees of Companies active in high qualification activities (Industrial Doctorate) or Reserved positions for employees of Public Institutions or Research Centers active in high qualification activities (Ph.D. Course with salary keep)	3**
	Reserved positions for candidates holding a foreign government scholarship or a scholarship funded by international mobility programmes	2
<b>Total:</b>		<b>13</b>

## Kind of Financial Support

N°	Financial support	Financial support
4	Università degli Studi di Ferrara	
2	Financed by Dept. of Chemical, Pharmaceutical and Agricultural Sciences	<u>Topic n. 1</u> – Development of novel vaccines against Herpes simplex virus type 1 and 2. <u>Topic n. 2</u> – Immunometabolic determinants of vaccine responsiveness in the ageing population.
2	Financed by IRFO Foundation (International Institute for Research and Training in Ophthalmology)	<u>Topic n. 1</u> - Predictive factors of graft survival and mechanism of immunologic rejection in lamellar keratoplasty. <u>Topic n. 2</u> - Application of genetics and morphology in diagnosis and treatment of corneal disease.
1	Financed by Impact Science (Industrial Doctorate. Reserved positions for employees engaged in high qualified research activities)	The safety, efficacy, and mechanism of action of novel beta-hydroxybutyrate molecules in preclinical studies and consequent applications in veterinary medicine with or without adjuvant/neoadjuvant therapies.
1	Financed by Impact Science (Industrial Doctorate. Reserved positions for employees engaged in high qualified research activities)	The regulatory requirements, the efficacy, and mechanism of action of novel beta-hydroxy butyrate molecules in clinical studies with or without the application of adjuvant/neoadjuvant therapies.
1**	Agreement with Università di SZEGED (Ungheria) (Reserved positions for employees engaged in high qualified research activities - with salary keeping)	Residual disease in patients with acute myeloid leukemia (AML)

## Assessment Criteria

**Evaluation of qualification:** maximum score 50 points. Minimum score required to be admitted to the interview 35/50

**Interview:** maximum score 30 points - **Minimum final score required: 60/80**

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

English

## Elenco dei titoli valutabili

<b>Curriculum studiorum</b>	<b>Mandatory documents:</b> For candidates holding a degree: complete academic career (Bachelor, Masters degrees) information with certifications or self-declarations with a list of examinations and grades and final marks, for Bachelor and Masters degrees.	Up to 20
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	Thesis abstract (max length 2 pages), with the following structure: motivation, research methodology and results (obtained or expected), bibliography. For undergraduated candidates: complete academic career (Bachelor, Masters degrees) information with certifications or self-declarations with a list of examinations and grades and final marks, for Bachelor and Masters degrees. Thesis abstract (max length 2 pages), signed by the supervisor, with the following structure: motivation, research methodology and results (obtained or expected), bibliography.	
<b>Research Project</b>	Short text (max length 3 pages) 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 proposed research project is not binding with regard to the subsequent topic that will be carried out during the three-year course.	Up to 20
<b>Scientific Publications</b>	<b>Mandatory documents:</b> A file with the full list of the publications, abstracts and/or papers presented during meeting, seminars or symposiums with the link for accessing them.	Up to 4
<b>Statement of research interest</b>	Short text (max length 1 page) in English or in Italian, which must present the candidate's motivations in choosing the Ph.D. Course and the description of his/her research interests.	Up to 4
<b>Other Academic or Professional qualifications</b>	International linguistic certificates. Certified working experiences in the field. Other academic qualifications.	Up to 2

#### Interview

During the 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>.