Advanced Therapies and Experimental Pharmacology	
Cycle	39°
Director	Prof.ssa Katia Varani (katia.varani@unife.it) Department of Translational Medicine and for Romagna
Duration	3 years
Curriculum	No
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/Advanced
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 **50** points. Minimum score required to be admitted to the interview **35/50** **Interview**: maximum score **30** points **Minimum final score required: 60/80**		
Language of the interview:		English
List of assessable credentials		
Curriculum studiorum	**Mandatory documents**: 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. 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.	Up to 20 points
Research Project	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 mentioned project is not binding regarding the subsequent choice of the doctoral thesis, except for the positions with defined themes.* *If applying for scholarships with a specific theme, the coherence of the research project with the theme is a requirement for evaluation. Therefore, the research project must necessarily*	Up to 20 points

	relate to the topic of interest, or else the application will be excluded. *If admitted to the doctoral program, the candidate will pursue research training and the thesis consistently with the reported theme.* *It is possible to apply for a maximum of 2 scholarships with defined themes by submitting 2 distinct research projects as a mandatory requirement.*	
Scientific Publications	**Mandatory documents**: A file with the full list of the publications, abstracts and/or papers presented during meeting, seminars or symposiums **OR** File including the link for accessing them.	Up to 4 points
Statement of research interest	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 points
Other Academic or Professional qualifications	International linguistic certificates. Certified working experiences in the field. Other academic qualifications.	Up to 2 points

Interview agenda/program
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 within the 19th 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	**21**
With scholarship	**20**
Positions reserved for foreign scholarship holders and/or scholarship holders of specific international mobility programs	**1**

Regular positions with scholarship		
N°	***Funding institution***	***Research topic or area (if applicable)***
7	Università degli Studi di Ferrara	
1	Co-funded by Department of Translational Medicine and for Romagna and Università degli Studi di Ferrara – Project: "Dipartimenti di Eccellenza"	

2	Department of Translational Medicine and for Romagna - Project: "Dipartimenti di Eccellenza"	
1	Istituto Superiore di Sanità	Role of HIV Tat in viral infections and tumors: pathogenesis, interactions with the host, immune control and pre-clinical preventive and therapeutic approaches
1	Consorzio Futuro in Ricerca	Innovative Therapies for the Treatment of Cardiac Amyloidosis
1	Consorzio Futuro in Ricerca	Multimodal imaging and percutaneous treatment of aortic stenosis
1	Consorzio Futuro in Ricerca	Multimodal Cardiology Imaging and Ventricular Resynchronization Treatment

Positions funded by PNRR Project: National Center for HPC, Big Data, and Quantum Computing, CUP code F77G22000120006		
N°	**Spoke e WP**	**Research topic**
1	***Related Spoke*** 8 – In Silico Medicine & Omics ***WP title*** WP5 Development of clinical machine learning algorithms for EHRs and omics data (including radiomics)	Omics and biomarkers in the personalized treatment of cancer **Scientific manager:** Prof.ssa Nicoletta Bianchi

Positions funded under Ministerial Decree No. 118/2023 CUP: F73C23000560006		
N°	**Area of interest**	***Research topic***
1	PNRR PhD Programmes - M4C1 I. 4.1	Development of a Hybrid Bioengineered Device for Transplantation
1	PNRR PhD Programmes - M4C1 I. 4.1	Design and validation of devices to improve transplant outcomes
1	PNRR PhD Programmes - M4C1 I. 4.1	New morphological and ultrastructural methodologies for the microbiological safety of tissues for transplantation
1	PNRR PhD Programmes - M4C1 I. 4.1	Epigenetic tuning and stem cells for regenerative medicine strategies

Positions funded under Ministerial Decree No. 117/2023 Innovative PhDs for Enterprises - M4C2 I. 3.3 CUP: F73C23000690006		
N°	**Funding company**	***Research topic***
1	Co-funded by Azienda Ospedaliero - Universitaria di Ferrara	Development of organizational tools and optimization collection of "bigdata" in clinical research of the patient with chronic comorbidities and nutrition status-related diseases