Medical, omic and oncological sciences	
Cycle	XXXVIII
Director	Prof. Paolo Pinton – Department of Medical Sciences- paolo.pinton@unife.it
Duration	3 years
Curriculum	No
Research Topics	https://www.unife.it/studenti/dottorato/it/corsi/riforma/scienze-mediche-omiche-e-oncologiche
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.

Available Positions (total)	**13**

Assessment Criteria		
Evaluation of qualification: maximum score 30 points. Minimum score required to be admitted to the interview 18/30 - **Interview**: maximum score 50 points. **Minimum final score required: 60/80**		
During the interview, applicant's knowledge of the following languages will be tested.		Inglese
List of documents for the evaluation		
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 2 pages), with the following structure: motivation, research methodology, obtained or expected results and bibliography.	Up to 8 points
Progetto di ricerca	Maximum 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 10 points
Scientific publications	**Mandatory documents:** *In extenso* copy of the publications, including abstracts and/or papers presented in national or international congresses and meetings	Up to 3 points
Statement of research interest	Short text - maximum length: 2 pages - in English, which must contain the motivations to attend the Ph.D. programme and the candidate's specific research interests.	Up to 2 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
Other academic or professional qualifications	Certified working experiences in the field. Others academic qualifications	Up to 4 points
Interview		
Presentation of the proposed research project and the Candidate's linguistic skills will be verified.		
Examination Timetable		
Evaluation of qualifications and interview will take place within the 16th of September 2022. 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 Positions and kind of financial support		
N°	*Kind of Financial Support*	*Research subject*
2	Università degli studi di Ferrara	
1	Co-funded by Department of Medical Sciences and Università di Ferrara	Role of alpha1 antitrypsin in malignant pleural mesothelioma onset and development
1	Co-funded by Department of Medical Sciences and Università di Ferrara	Search for new biomarkers for early detection of Merkel cell carcinoma
1	Co-funded by Department of Medical Sciences and Università di Ferrara	Genetic neonatal screening for rare diseases and on a genetic basis: design of the clinical and phenotypic strategy through a multidisciplinary path based on omics techniques, digital and telegenetic medicine approaches, and application of the strategy in the Regional birth path
1	Co-funded by Department of Medical Sciences and Università di Ferrara	Applications of NGS sequencing techniques (next generation sequencing) for genetic neonatal screening: design of gene panels and whole genome sequencing to analyze all newborns in Ferrara and its province in a one-year time window, and development of new algorithms to identify " copy number variations "(CNVs) for the early diagnosis of genetic diseases
3	Co-funded by Department of Medical Sciences and Università di Ferrara	
1	Co-funded by Department of Life Sciences and Biotechnologies and Università di Ferrara	Stem and tumor cells to test innovative new drug-delivery biomaterials for bone regrowth and osteosarcoma treatment.
1	Position without fellowship	

Positions deriving from DD.MM. 351/2022 and 352/2022		
N°	*Kind of Financial Support*	*Research subject*
1	Co-funded by Università di Ferrara – Fondi D.M. 352/2022 - M4C2 I. 3.3 and Medicina Fisica Integrata	Utilizzo della tecnologia cmf nella cura del piede diabetico e nella riduzione delle amputazioni non traumatiche arti inferiori Use of cmf technology in the treatment of the diabetic foot and the reduction of non-traumatic lower limb amputations
1	Co-funded by Università di Ferrara – Fondi D.M. 352/2022 - M4C2 I. 3.3 and Bluagri	Utilizzo di esosomi di lievito come strumento innovativo per contrastare le infezioni fungine Yeast exosomes as an innovative tool to combat fungal infections