



Dir. DF/FTLI

### THE RECTOR

- Having regard to Italian Ministerial Decree no. 270, dated 22 October 2004, entitled "Amendments to Regulation no. 509 containing rules governing the educational autonomy of Universities, passed by a Decree of the Ministry for Universities and Scientific and Technological Research on 3 November 1999";
- Having regard to article 4 of Italian Law no. 210 dated 3 July 1998, as amended by art. 19, paragraph 1, of Italian Law no. 240 dated 30 December 2010;
- Having regard to Italian Ministerial Decree no. 226 dated 14 December 2021, entitled "Regulations concerning the accreditation methods of doctoral locations and programmes and the criteria for the institution of doctoral programmes by accredited bodies";
- Having regard to the University Regulation for PhD Programmes and Students, issued by Rector's Decree of 5 June 2015, as subsequently amended;
- Having regard to the resolutions adopted by the Academic Senate at its meeting of 13 December 2022 and by the Board of Directors at its meeting of 20 December 2022, concerning institution of the 39<sup>th</sup> doctoral cycle;
- Having regard to Rector's Decree no. 3264/2023 of 22 June 2023, and Rector's Decrees nos. 3288/2023, 3290/2023; 3291/2023 and no. 3292/2023 of 23 June 2023, which instituted the 39th doctoral cycle (academic year 2023/2024) at the University of Milan;
- In view of the need to amend the Rector's Decree filed as record no. 3288/2023 of 23 June 2023, because, due to a mere clerical error, it specifies 15 May 2023 as the qualification assessment date for the doctoral programme in Translational Medicine, and does not mention the research project linked to the place without scholarship available for the doctoral programme in Studies on Organized Crime;
- Considering that, in the calls regarding public competitions for admission to the doctoral programmes of the 39th cycle, issued by Rector's Decrees filed as record no. 3264/2023 of 22 June 2023, and nos. 3288/2023, 3290/2023; 3291/2023 and 3292/2023 of 23 June 2023, art. 1 specifies that: "The number of scholarships may be increased should external funding become available before the application deadline specified in this competition for admission";
- Having deemed appropriate to increase the number of places available for admission to doctoral programmes, as requested by the programme coordinators, since new scholarships have been acquired;
- In view of the urgent need to enter into an agreement with Istituto Auxologico Italiano, Istituto di Ricovero e Cura a Carattere Scientifico;

### HEREBY DECREES AS FOLLOWS:

The Rector's decree filed as record no. 3288/2023 of 23 June 2023 is amended as follows:

- For the doctoral programme in Translational Medicine, qualifications will be assessed on 6 September 2023.
- For the doctoral programme in Studies on Organized Crime, the place without scholarship is linked to the following research project: "International police and judicial cooperation against transnational and mafia-type organized crime. Operational issues and regulatory limits, organizational and legislative perspectives. New technologies: impact on the capacity and efficiency of criminal organizations and potential compression of cooperation spaces".



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The Rector's Decree filed as record no. 3264/2023 of 22 June 2023, and the Rector's Decrees filed as record nos. 3288/2023, 3290/2023; 3291/2023 and 3292/2023 of 23 June 2023, are amended with the following additions:

### **Doctoral programme in Chemistry**

Places available are increased from 2 to 3  
Scholarships are increased from 2 to 3

1 scholarship co-funded by Chiesi Farmaceutici spa under Ministerial Decree 117/2023, for the research project "Synthesis of novel heterocyclic scaffolds for applications in medicinal chemistry". Lead instructor: Valerio Fasano. (CUP G43C23001140006).

### **Doctoral programme in Physics, Astrophysics and Applied Physics**

Places available are increased from 10 to 12  
Scholarships are increased from 9 to 11

2 scholarships financed by the Department of Physics "Aldo Pontremoli", using PNRR funds, in the framework of the NFFA-DI project (Lead instructor: Prof. Giorgio Rossi; CUP: B53C22004310006), for the research projects:

"Nanomagnetic phenomena enhanced by the optical field and by plasmonic structures for the localization of the information below the optical diffraction limit. Optical excitation and structural spectroscopic analysis will induce and produce integrate knowledge in field-matter coupling processes at the nanoscale. In particular, the plasmon structures with the overcoming of the optical diffraction limit allow the down-scaling of optoelectronic devices. Studies on surface magneto-dynamic processes at the nanoscale with the use of a pulsed source by extending the temporal resolution to current spin-resolved spectral microscopies. Acquisition of FAIR data and implementation of FAIR-by-design technology as part of NFFA-DI";

"Ab initio molecular dynamics with electronic friction, and other non-adiabatic effects at metallic surfaces. This work will benefit from advanced codes and methods, such as machine learning (ML)-based approaches, and interfaces for the remote (interactive) access to theory/simulations. The work will be done to establish a synergetic collaboration with the National Center for HPC and its facilities. Expertise in FAIR data management and repositories in the framework of NFFA-DI"

### **Doctoral programme in Experimental Medicine**

Places available are increased from 11 to 12  
Scholarships are increased from 11 to 12

1 scholarship funded by Istituto Auxologico Italiano, Istituto di Ricovero e Cura a Carattere Scientifico (research hospital), for the research project: "Dissecting RNA metabolism defects in ALS patient-derived iPSCs"

### **Doctoral programme in Translational Medicine**

Places available are increased from 3 to 5  
Scholarships are increased from 3 to 5

1 scholarship funded by Istituto Auxologico Italiano, Istituto di Ricovero e Cura a Carattere Scientifico (research hospital), for the research project: "Identification and characterization of novel disease-associated genes in amyotrophic lateral sclerosis and frontotemporal dementia through next-generation sequencing"

1 scholarship co-funded by Wanbangde Pharmaceutical Group Co. under Ministerial Decree 117/2023, for the research project "Discovery of active substances from Gypenosides with anti-arrhythmic effects and their regulation of ion channels". Lead instructor: Prof. Mirko Baruscotti. (CUP G43C23001430006)



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### **Doctoral programme in Environmental Sciences**

Places available are increased from 8 to 9  
Scholarships are increased from 8 to 9

1 scholarship co-funded by Foundry Ecocer srl under Ministerial Decree 117/2023 for the research project "Refractory ceramics for aluminium foundries: optimization of the production cycle and selection of raw materials for greater process and product sustainability". Lead instructor: Prof. Stefano Trasatti. (CUP G43C23001160006)

### **Doctoral programme in Literature, Arts and Environmental Heritage**

Places available are increased from 2 to 4  
Scholarships are increased from 2 to 4

2 scholarships funded by the Department of Cultural and Environmental Heritage for the research project: "Negotiating Abjection: Performance and Politics among Turkey's Diasporas in Lombardy"

### **Doctoral programme in Earth Sciences**

Places available are increased from 10 to 11  
Scholarships are increased from 9 to 10

1 scholarship offered by the University of Milan and financed with funds allocated by Ministerial Decree 118/2023 for Public Administration doctorates, for the research project: "Conservation and digitization of the paleontological assets of the Museum of Natural History of Milano: analysis and highlighting of the fossil collections of Cenozoic mammals" (CUP G43C23001440006)

### **Doctoral programme in Pharmacological Biomolecular Sciences, Experimental and Clinical**

Places available are increased from 17 to 21  
Scholarships are increased from 16 to 20

2 scholarships funded by the Department of Pharmacological and Biomolecular Sciences for the research projects: "Investigation of RNA-based therapeutics for the treatment of cardiometabolic disease" and "Identification of peripheral signatures associated with depressive symptoms in pregnancy and with neurodevelopmental trajectories in the offspring".

1 scholarship co-funded by Professional Dietetics S.p.A. under Ministerial Decree 117/2023 for the research project: "Innovating approaches to managing the metabolic syndrome based on effects of amino acid-substituted diets". Lead instructor: Prof. Enzo Nisoli. (CUP G43C23001150006)

1 scholarship co-funded by Meda Pharma S.p.A. under Ministerial Decree 117/2023 for the research project "Study of plant extracts and active compound with a metabolic impact, on cholesterolemia, glycemia, hepatic steatosis, through literature research, analytical characterization, and the identification of markers with both in vitro and in vivo models". Lead instructor: Danilo Norata. (CUP G43C23001150006)

### **Doctoral programme in Food Systems**

Places available are increased from 5 to 7  
Scholarships are increased from 4 to 6

1 scholarship co-funded by Goglio S.p.A. under Ministerial Decree 117/2023, for the research project "Development, optimization and validation of sustainable, recyclable materials intended for food packaging". Lead instructor: Sara Limbo. (CUP G43C23001210006)



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1 scholarship co-funded by Bolton Food S.p.A. under Ministerial Decree 117/2023 for the research project "Investigation of treatments to reduce the oxidative degradation process of fresh tuna". Lead instructor: Prof. Sabrina Dallavalle. (CUP G43C23001210006)

### **Doctoral programme in The Human Mind and Its Explanations: Language, Brain and Reasoning**

Places available are increased from 1 to 2  
Scholarships are increased from 1 to 2

1 scholarship co-funded by the Research Centre of the Institut Paul Bocuse under Ministerial Decree 117/2023 for the research project: "Nature in the art of vinification". Lead instructor: Andrea Borghini. (CUP G43C23001450006).

### **Doctoral programme in Economic Sociology, Organization and Labor (ESOL)**

Places available are increased from 9 to 10  
Scholarships are increased from 9 to 10

1 scholarship funded by the University of Pavia

### **Doctoral programme of national interest "Image, Language, Figure: Forms and Modes of Mediation"**

Places available are increased from 48 to 51  
Scholarships are increased from 48 to 51

3 scholarships offered by the University of Milan and financed with funds allocated by Ministerial Decree 118/2023 for Public Administration doctorates (CUP G43C23001270006), for the research projects:

- "Collective identities, labour representation, social inclusion"
- "The digital inclusion of minors between dangerous challenges, teenage sexting and stalking, hate language and pathological addictions: cyber-legal, criminological and data protection aspects"
- "Algorithmic text analysis to identify and counter discriminatory language"

### **Doctoral programme of national interest in Systems Medicine**

Places available are increased from 64 to 70  
Scholarships are increased from 64 to 70

5 scholarships funded by the Department of Oncology and Hemato-Oncology for the research projects:

- "Brain organoids modeling: unraveling the gene-vs-environment interactions in neurodevelopment through Endocrine Disruptors exposure";
- "Single cell omics analysis and integration to study gene-vs-environment interactions in neurodevelopment";
- "Epigenetic modifiers of the GTF2i axis in thymomas";
- "Contact Percolation Promotes Collective Flocking Migration and a ProInflammatory Cytosolic DNA Response in Epithelial Tissues";
- "Controlled deformations impact cell fate in 3D model of breast cancer cell assemblies".

1 scholarship funded by the Foundation "European School of Molecular Medicine" (SEMM)



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Places and scholarships previously available for admission to the above doctoral programmes are hereby increased. Moreover, the University is hereby authorised to enter into an agreement with Istituto Auxologico Italiano, Istituto di Ricovero e Cura a Carattere Scientifico, for the funding of 2 doctoral scholarships (39th cycle - academic year 2023/2024).

Milan, 7 July 2023

**THE RECTOR**  
(signed Elio Franzini)

Filed as record no. 3618/2023 of 7 July 2023