



Dir. DF/FTLI

THE RECTOR

- Having regard to 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 Law no. 210 dated 3 July 1998, as amended by art. 19, paragraph 1, of Law no. 240 dated 30 December 2010;
- Having regard to 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 14 May 2024 and by the Board of Directors at its meeting of 28 May 2024, concerning institution of the 40th doctoral cycle;
- Considering that, in the calls regarding public competitions for admission to the doctoral programmes of the 40th cycle, issued by Rector’s Decrees filed as record nos. 3733/24, 3731/24, 3734/24 of 29 May 2024 and 3924/24 of 6 June 2024, 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 regard to Rector’s Decrees no. 3948/24 of 7 June 2024 and no. 3975/24 of 10 June 2024;
- 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 agreements with the Biorepack National Consortium, INAF – Astronomical Observatory of Brera, the IRCCS Ca’ Granda Ospedale Maggiore Policlinico Foundation, the Institute for Electromagnetic Sensing of the Environment (IREA) of the National Research Council (CNR), and the Collegio Carlo Alberto Foundation;

HEREBY DECREES AS FOLLOWS:

- the University is hereby authorised to enter into agreements with the Biorepack National Consortium, INAF – Astronomical Observatory of Brera, the IRCCS Ca’ Granda Ospedale Maggiore Policlinico Foundation, the Institute for Electromagnetic Sensing of the Environment (IREA) of the National Research Council (CNR), and the Collegio Carlo Alberto Foundation, for the funding of doctoral scholarships (40th cycle – academic year 2024/2025);
- places and scholarships previously available for admission to the doctoral programmes specified below are hereby increased as follows:

Doctoral programme in Agriculture, Environment and Bioenergy

Places available are increased from 10 to 13

Scholarships are increased from 10 to 13

1 scholarship funded by the Biorepack National Consortium for the research project: “Bioplastic biodegradability in the environment”



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1 scholarship co-funded by Winegraft s.r.l. under Ministerial Decree 630/2024 for the research project: "Research and evaluation of alternative Vitis species for the breeding of new rootstocks". Lead instructor: Prof. Lucio Brancadoro (CUP G43C24000800006)

1 scholarship co-funded by Erica s.r.l. under Ministerial Decree 630/2024 for the research project: "Green and well-being in the workplace. Design and assessment of Nature-Based solutions (NBS) for reaching the E-Environment and S-Social components of the European Sustainability Reporting Standards (ESRS)". Lead instructor: Prof. Giulio Senes (CUP G43C24000800006).

Doctoral programme in Molecular and Cellular Biology

Places available are increased from 7 to 11

Scholarships are increased from 7 to 11

1 scholarship co-funded by the CREA Institute under Ministerial Decree 630/2024 for the research project: "Unveiling the role of chlorogenic acid on anthocyanin bioactivity: a multi-species case study". Lead instructor: Prof. Katia Petroni (CUP G43C24001000006)

1 scholarship co-funded by GOWAN CROP PROTECTION under Ministerial Decree 630/2024 for the research project: "Identification of linear and cyclic peptides to be used as antimicrobials to conventional pesticides". Lead instructor: Prof. Paolo Pesaresi (CUP G43C24001000006)

1 scholarship co-funded by Linari Engineering s.r.l. under Ministerial Decree 630/2024 for the research project: "Structural-based antiviral drug discovery and delivery system optimization". Lead instructor: Eloise Mastrangelo (CUP G43C24001000006)

1 scholarship co-funded by HMGBiotech s.r.l. under Ministerial Decree 630/2024 for the research project: "Novel roles for CXCR4 signaling in hematovascular development". Lead instructor: Prof. Alessandro Fantin (CUP G43C24001000006)

Doctoral programme in Industrial Chemistry

Places available are increased from 5 to 7

Scholarships are increased from 5 to 7

1 scholarship co-funded by Ospedale San Raffaele s.r.l. under Ministerial Decree 630/2024 for the research project: "Studies on the design of novel antivirals for chronic infections". Lead instructor: Pierfausto Seneci (CUP G43C24001040006)

1 scholarship co-funded by Flamma S.p.A under Ministerial Decree 630/2024 for the research project: "Development of technology-driven innovative and sustainable synthetic methodologies". Lead instructor: Prof. Maurizio Benaglia (CUP G43C24001040006)

Doctoral programme in Public, International and European Union Law

Places available are increased from 7 to 8

Scholarships are increased from 7 to 8

1 scholarship co-funded by Edison S.p.A. under Ministerial Decree 630/2024 for the research project: "Alternative energy". Lead instructor: Wladimiro Troise Mangoni (CUP G43C24001070006)

Doctoral programme in Economics

Places available are increased from 4 to 5



Scholarships are increased from 4 to 5

1 scholarship offered by the University of Pavia and co-funded with Departments of Excellence 2023-27 funds (Department of Economics and Management)

Doctoral programme in Physics, Astrophysics and Applied Physics

Places available are increased from 16 to 19

Scholarships are increased from 16 to 19

1 scholarship funded by INAF – Astronomical Observatory of Brera for the research project: “High-Precision Thermal Forming for Astronomical Mirrors”

1 scholarship co-funded by NATO under Ministerial Decree 630/2024 for the research project: “Quantum computing algorithms for maritime and underwater applications”. Lead instructor: Prof. Enrico Prati (CUP G43C24000830006)

1 scholarship co-funded by RSE S.p.A. under Ministerial Decree 630/2024 for the research project: “Study and optimization of the interfacial properties of thin coatings for applications aimed at improving the resilience of the national energy system”. Lead instructor: Prof. Alessandro Podestà (CUP G43C24000830006)

Doctoral programme in Computer Science

Places available are increased from 9 to 11

Scholarships are increased from 9 to 11

1 scholarship co-funded by S2E SPRINT s.r.l. under Ministerial Decree 630/2024 for the research project: “Mixture of Open Source LLMs”. Lead instructor: Prof. Matteo Zignani (CUP G43C24000840006)

1 scholarship co-funded by IT Systems s.r.l. under Ministerial Decree 630/2024 for the research project: “Polynomial optimization techniques and their application to cryptographic primitives”. Lead instructor: Prof. Andrea Visconti (CUP G43C24000840006)

Doctoral programme in Experimental Medicine

Places available are increased from 11 to 12

Scholarships are increased from 11 to 12

1 scholarship funded by the Department of Medical Biotechnology and Translational Medicine for the research project: “HDAC8 and HDAC6 combined inhibition: a new frontier in glioblastoma treatment”

Doctoral programme in Translational Medicine

Places available are increased from 17 to 21

Scholarships are increased from 17 to 21

1 scholarship co-funded by SST s.r.l. under Ministerial Decree 630/2024 for the research project: “Development of customized dental devices such as on-site 3D-printed biodegradable orthodontic aligners for detecting predictive biomarkers of neurodegenerative diseases”. Lead instructor: Prof. Chiarella Sforza (CUP G43C24001060006)



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2 scholarships co-funded by the Don Carlo Gnocchi Foundation under Ministerial Decree 630/2024 for the research projects:

- "MicroRNAs as Potential Predictive Biomarkers for Prognosis and Rehabilitation Outcome in Neurodegenerative Diseases". Lead instructor: Prof. Mario Clerici (CUP G43C24001060006)

- "Validation of innovative biophotonic methods for the differential diagnosis of chronic pulmonary diseases". Lead instructor: Prof. Nicoletta Gagliano (CUP G43C24001060006)

1 scholarship funded by the IRCCS Ca' Granda Ospedale Maggiore Policlinico Foundation for the research project: "Mechanisms of gut microbiota in regulating skeletal muscle through immune pathways"

Doctoral programme in Clinical Research

Places available are increased from 9 to 11

Scholarships are increased from 9 to 11

1 scholarship co-funded by IRCCS MultiMedica – MultiMedica S.p.A. under Ministerial Decree 630/2024 for the research project: "Cardiac amyloidosis: early diagnosis in high risk subjects". Lead instructor: Prof. Paola Cornelia Maria Muti (CUP G43C24000870006)

1 scholarship co-funded by Perfetti Van Melle S.p.A. under Ministerial Decree 630/2024 for the research project: "Sugar-free chewing gums and oral health: benefits and risks of their use". Lead instructor: Prof. Maria Grazia Cagetti (CUP G43C24000870006)

Doctoral programme in Environmental Sciences

Places available are increased from 14 to 18

Scholarships are increased from 14 to 18

1 scholarship co-funded by Corteva Agriscience Italia s.r.l. under Ministerial Decree 630/2024 for the research project: "The price for rejecting biotechnological innovations in Italian and European agriculture: economic and environmental costs for selected traits". Lead instructor: Prof. Piero Morandini (CUP G43C24001010006)

1 scholarship co-funded by GEN-TECH s.r.l. under Ministerial Decree 630/2024 for the research project: "Integration of eco-functional and genomic approaches in the management of aquatic invasive plants of EU concern". Lead instructor: Prof. Carla Lambertini (CUP G43C24001010006)

1 scholarship co-funded by 3Bee s.r.l. under Ministerial Decree 630/2024 for the research project: "Urban biodiversity conservation: an interdisciplinary framework for a sustainable urban planning". Lead instructor: Prof. Roberto Ambrosini (CUP G43C24001010006)

1 scholarship funded by the Institute for Electromagnetic Sensing of the Environment (IREA) of the National Research Council (CNR) for the research project: "Earth observation to track the dynamics of primary producers in global lakes in response to climate change"

Doctoral programme in Nutritional Sciences

Places available are increased from 7 to 9

Scholarships are increased from 7 to 9

1 scholarship co-funded by FUSION FARM SRLS under Ministerial Decree 630/2024 for the research project: "Role of the nutraceutical Sitrophin based on sodium butyrate and lactoferrin- patented composition- in the



maintenance of tissue integrity and in the prevention of post-surgical recurrence in Crohn's disease". Lead instructor: Prof. Roberta Ottria (CUP G43C24000850006)

1 scholarship co-funded by the Experimental Zooprophyllactic Institute of Lombardy and Emilia Romagna under Ministerial Decree 630/2024 for the research project: "Insect in the food chain: quality and safety.". Lead instructor: Prof. Matteo Ottoboni (CUP G43C24000850006)

Doctoral programme in Pharmaceutical Sciences

Places available are increased from 6 to 9

Scholarships are increased from 6 to 9

1 scholarship co-funded by NAVITA s.r.l. under Ministerial Decree 630/2024 for the research project: "Formulation, pharmacokinetic and metabolism profiles of small inhibitors of the heme oxygenase I enzyme endowed with marked anticancer activity". Lead instructor: Prof. Luisa De Cola (CUP G43C24001020006)

1 scholarship co-funded by RoseBio s.r.l. under Ministerial Decree 630/2024 for the research project: "Development of ultra-sensitive biosensors based on micro-nano magnetic beads". Lead instructor: Prof. Laura Sola (CUP G43C24001020006)

1 scholarship co-funded by Fidia Farmaceutici S.p.A under Ministerial Decree 630/2024 for the research project: "Application of analytical, bioanalytical and "omics" techniques in drug discovery and development (identification of disease targets and biomarkers; study of the biological effects of drug candidates and drug metabolism)". Lead instructor: Prof. Clelia Dallanoce (CUP G43C24001020006)

Doctoral programme in Pharmacological Biomolecular Sciences, Experimental and Clinical

Places available are increased from 8 to 13

Scholarships are increased from 8 to 13

1 scholarship co-funded by IRCCS MultiMedica – MultiMedica S.p.A. under Ministerial Decree 630/2024 for the research project: "Integrating new and traditional biomarkers supporting personalized approaches in cardiovascular disease prevention". Lead instructor: Prof. Manuela Casula (CUP G43C24001030006)

1 scholarship co-funded by B.S.N. Biological Sales Network s.r.l. under Ministerial Decree 630/2024 for the research project: "Study of the pathogenetic mechanisms of diseases". Lead instructor: Prof. Paolo Magni (CUP G43C24001030006)

1 scholarship co-funded by TRUFFINI & REGGÈ FARMACEUTICI s.r.l. under Ministerial Decree 630/2024 for the research project: "Analysis of foods, food supplements or botanicals with health properties". Lead instructor: Prof. Paolo Magni (CUP G43C24001030006)

1 scholarship co-funded by IRCCS Centro San Giovanni di Dio - Fatebenefratelli under Ministerial Decree 630/2024 for the research project: "Non-pharmacological preventive therapies to reduce symptoms in stress-related disorders: role of the immune-metabolic system". Lead instructor: Prof. Annamaria Cattaneo (CUP G43C24001030006)

1 scholarship funded by the Department of Pharmacological and Biomolecular Sciences for the research project: "Soma TO syNapsE: the inverse communication ruling plasticity at specific synapses (STONE)"

Doctoral programme in Food Systems

Places available are increased from 6 to 9

Scholarships are increased from 6 to 9



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1 scholarship co-funded by Beingpharma s.r.l. under Ministerial Decree 630/2024 for the research project: "Identification of specific microbial activities capable of interfering with host physiology for the development of new food supplements". Lead instructor: Prof. Diego Mora (CUP G43C24000810006)

1 scholarship co-funded by Bolton Food S.p.A. under Ministerial Decree 630/2024 for the research project: "Valorization of fish in healthy and sustainable dietary patterns". Lead instructor: Prof. Patrizia Riso (CUP G43C24000810006)

1 scholarship co-funded by Soremartec Italia s.r.l. under Ministerial Decree 630/2024 for the research project: "Climate change, sustainability and regenerative agriculture and possible impact on quality parameters of wheat flour". Lead instructor: Prof. Alessandra Marti (CUP G43C24000810006)

Doctoral programme in Veterinary and Animal Science

Places available are increased from 13 to 14

Scholarships are increased from 13 to 14

1 scholarship co-funded by Panghea Natural and Chemical Innovation S.p.A. under Ministerial Decree 630/2024 for the research project: "New technologies and feeding management in animal production". Lead instructor: Prof. Giovanni Savoini (CUP G43C24000860006)

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

Places available are increased from 5 to 7

Scholarships are increased from 5 to 7

1 scholarship offered by the University of Milan and co-funded by the Collegio Carlo Alberto Foundation

1 scholarship offered by the University of Pavia and co-funded with Departments of Excellence 2023-27 funds (Department of Economics and Management)

Milan, 13 June 2024

THE RECTOR
(signed Elio Franzini)

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