



# UNIVERSITÀ DEGLI STUDI DI MILANO

## COMPETITION FOR 56 POST-DOC TYPE A TWO YEARS FELLOWSHIPS, FOR A COLLABORATION TO RESEARCH ACTIVITIES

THE RECTOR

ORDAINS

**Art. 1** This University has launched a competition by qualifications and interview to award 56 two years fellowships, possibly renewable, for a collaboration to research activities restricted to doctorate graduates or graduated holding a diploma in the specialty health area.

The 56 fellowships are divided among the following departments of the University:

DIPARTIMENTO	Numero assegni da bandire
Dipartimento di Beni Culturali e Ambientali	3
Dipartimento di Bioscienze	2
Dipartimento di Biotecnologie Mediche e Medicina Traslazionale	1
Dipartimento di Chimica	3
Dipartimento di Diritto Pubblico Italiano e Sovranazionale	2
Dipartimento di Economia, Management e Metodi Quantitativi	1
Dipartimento di Filosofia Piero Martinetti	1
Dipartimento di Fisica Aldo Pontremoli	3
Dipartimento di Fisiopatologia Medico-Chirurgica e dei Trapianti	3
Dipartimento di Informatica Giovanni Degli Antoni	5
Dipartimento di Lingue e Letterature Straniere	2
Dipartimento di Matematica Federigo Enriques	2
Dipartimento di Medicina Veterinaria	2
Dipartimento di Scienze Biomediche e Cliniche L. Sacco	3
Dipartimento di Scienze Biomediche per la Salute	1
Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche	2



Dipartimento di Scienze Cliniche e di Comunità	4
Dipartimento di Scienze della Mediazione Linguistica e di Studi Interculturali	1
Dipartimento di Scienze della Salute	2
Dipartimento di Scienze della Terra Ardito Desio	1
Dipartimento di Scienze e Politiche Ambientali	1
Dipartimento di Scienze Farmaceutiche	1
Dipartimento di Scienze Farmacologiche e Biomolecolari	1
Dipartimento di Scienze per gli Alimenti, la Nutrizione e l'Ambiente	2
Dipartimento di Scienze Sociali e Politiche	2
Dipartimento di Scienze Veterinarie per la Salute, la Produzione Animale e la Sicurezza Alimentare	4
Dipartimento di Studi Internazionali, Giuridici e Storico-Politici	1

## Art. 2 -REQUIREMENTS AND INCOMPATIBILITIES

All those who have earned a PhD or equivalent degree earned abroad and, for the areas concerned, graduated holding a diploma in the specialty health area can participate in the competition; in both cases candidates must have a proper scientific-professional curriculum to carry out research activity. Both degrees must be earned within the date of the stipulation of the individual contract.

Candidates holding degrees earned abroad must apply on-line and enclose with the application form the degrees translated into Italian or into English with the marks of each examination and of the PhD/specialization degree, together with the declaration of conformity to the original of the translation itself.

## Art. 3 - APPLICATION FORM AND DEADLINE

The candidates must fill in the application form available on-line at

<https://air.unimi.it/rm/public/postDocFellowship.htm>

The application form must be peremptorily completed and validated till **december 30<sup>TH</sup> 2020 at noon**, otherwise it is inadmissible. The candidate will have to save the PDF file generated by the system, sign and upload it on the procedure after it is scanned, following the instructions in the procedure.

In application to transparency obligations, the list of candidates with their curriculum vitae and the result of each selection will be published in the web site <https://www.unimi.it/it/ricerca/fare-ricerca-da-noi/assegni-di-ricerca>

## Art. 4 - ASSESSMENT

Application forms will be assessed by one sub commission for each subject.



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For the assessment of the candidates the sub commission can use a hundred points, 65 for the qualifications, the scientific-professional curriculum and the research project and the other 35 for the interview. Within such limits the Commissione di Garanzia proceeds first to divide the total points among the assessable items.

The evaluation criteria for qualifications and scientific-professional curriculum are the following:

- curriculum vitae et studiorum;
- attendance of master degree;
- specialization degrees;
- attendance of post-graduate courses;
- research activity in Italy;
- research activity abroad;
- *fellowships*, scientific-professional contracts and appointments;
- participation in scientific congresses ;
- scientific publications in qualified reviews;
- monographic publications and chapters in books;
- patents;
- identity card scanned;
- other qualifications;

Evaluation criteria for research projects are the following:

- relevance of the project to the subject suggested by the Department;
- originality and feasibility of the research suggested, updating of the project, appropriate bibliographic reference;

The assessment of qualifications and of the research project takes place before the interviews and the results of assessments will be let known, for each subject, by publication in the web site: <https://www.unimi.it/it/ricerca/fare-ricerca-da-noi/assegni-di-ricerca>. The date and place of the interviews will be communicated to the candidates at least 15 days in advance, by publication in the web site mentioned above with reference to the subject concerned.

Candidates who earn more than 32,5 points in the qualifications and in the project are admitted to the interview.

The interview aims to assess the contents of the project proposed by the candidate and scientific competences developed. The sub commission can use up to 35 points and the interview is overcome if the candidate earns more than 17,5 points. Candidates admitted to the interview, resident abroad, can do a telematics interview by means of procedures that guarantee their identification.

In case of equal result in the same subject, the fellowship will be awarded to the youngest candidate.

## Art. 5 - FELLOWSHIP AWARDING

The Administration will communicate, by registered letter at the address in the application form, the awarding of the fellowship to the winners.

Within 10 days after receiving the communication, the winner must send to the Rector the acceptance



declaration required by the Administration, otherwise he/she will lose the post; afterwards he/she will be called to stipulate a contract-

Within ten days of the receipt of the notification, the person concerned will be required to make the declarations of acceptance accepted by the Administration, and will subsequently be required to enter into a contract pursuant to art. 7 of the Rules

The fellowship cannot be added to grants or other types of aid, except for those established for integration of stays abroad, neither with other contracts of collaboration nor with income coming from freelance activities performed with continuity. Extra-university activities as speaker in seminars, conferences or publishing activities and a limited activity of self-employed work are compatible with the fellowship, in agreement with the scientist-in-charge. Self-employed work cannot exceed the income limits equal to a gross yearly amount of 15.000 Euros, with exclusion of remuneration coming from copyright.

## **Art. 6 - REMUNERATION**

The yearly gross amount of the fellowship is of **21.000,00 Euro**. The amount includes expenses for industrial accident insurance and public liability insurance. The winners permanently resident abroad who have a Phd/specialization in medical area earned abroad, have the right to a monthly gross amount of **600 Euro** for the whole period of the contract. The amount is paid in monthly postponed instalments.

## **Art. 7 - ACCEPTANCE AND SIGNING OF THE CONTRACT**

Declarations and certifications of acceptance must be sent by registered letter with reply coupon attached within ten days (the stamp and date of the post office will be considered) since the communication by the Rector or sent to the address [unimi@postecert.it](mailto:unimi@postecert.it) or brought directly to the appropriate office.

The winners will be called to stipulate the contract of collaboration to research activity, which will start from the first day of the month following the signature, except justified request of exception by the candidate in agreement with the Scientist-in-charge and anyway for not more than 90 days.

For non-EC subjects the fellowship will start after obtaining the visa for scientific research and the actual beginning of the research activity.

## **Art. 8 - LOSS OF THE RIGHT TO THE FELLOWSHIP AND CANCELLATION OF THE CONTRACT**

If the contract is not signed within the deadline established or if the candidate does not achieve the PhD/specialty health area within the stipulation date of the individual contract the winner will lose every right to the fellowship.

## **Art. 9 - REFERENCE**

For what is not established by this competition notice please refer to Italian version of this call.

## **Art. 10 - PERSONAL INFORMATION**



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University will commit itself to respect all confidential information provided by the candidate: “all information provided will be handled only for aims connected to the selection and to the stipulation and management of relationship with University”.

## **Art. 11 - COMPETITION MANAGEMENT**

The Head of Office in charge of the competition is Anna Tavano Direzione Risorse Umane - Via S. Antonio n. 12, Milano. (email: [assegni.postdoc@unimi.it](mailto:assegni.postdoc@unimi.it))

REG n. 4639/2020 on 25/11/2020

IL RETTORE  
F.to Elio Franzini



Departments	Fellowships	Coordinators	Research lines
Dipartimento di Beni Culturali e Ambientali	1	TECCHIATI, UMBERTO, RAPI, MARTA ROBERTA MATELDA	Occupation and land use patterns, settlement systems and exchange networks in the metal ages of Northern Italy.
Dipartimento di Beni Culturali e Ambientali	1	SCIREA, FABIO, DELLA VALLE, MAURO	Early-Medieval Monasteries: Art, Architecture, and Topography
Dipartimento di Beni Culturali e Ambientali	1	BINI, VALERIO, DAL BORGO, ALICE GIULIA	Community and nature in Africa South of the Sahara
Dipartimento di Bioscienze	2	MASIERO, SIMONA, MANTOVANI, ROBERTO, EPIS, SARA	Integrated approaches to study relevant biological problems
Dipartimento di Biotecnologie Mediche e Medicina Traslazionale	1	DEL FAVERO, ELENA , CANTU', LAURA FRANCA , BUSCAGLIA, MARCO , BELLINI, TOMMASO GIOVANNI , ZANCHETTA, GIULIANO , COLOMBO, DIEGO RODOLFO, COMPOSTELLA, FEDERICA	Chemistry and physics of biomolecules and cellular biophysics
Dipartimento di Chimica	1	FERMO, PAOLA, DELLA PINA, CRISTINA, GUGLIELMI, VITTORIA	Analytical Chemistry applied to Cultural Heritage
Dipartimento di Chimica	1	GERVASINI, ANTONELLA, CHIARELLO, GIAN LUCA, DOZZI, MARIA VITTORIA, SCAVINI, MARCO, LONGHI, MARIANGELA, MERONI, DANIELA, MINGUZZI, ALESSANDRO, CAPPELLETTI, GIUSEPPE, LO PRESTI, LEONARDO	Development of functional innovative materials for environmental applications
Dipartimento di Chimica	1	BERNARDI, ANNA, BENAGLIA, MAURIZIO, LAY, LUIGI, GENNARI, CESARE MARIO ARTURO, PASSARELLA, DANIELE, RAIMONDI, LAURA MARIA, SATTIN, SARA, SILVANI, ALESSANDRA, VASILE, FRANCESCA, PUGLISI, ALESSANDRA	Recent advances in organic and biorganic chemistry



Dipartimento di Diritto Pubblico Italiano e Sovranazionale	1	BIANCHI RIVA, RAFFAELLA, BASSANI, ALESSANDRA	FROM PAST TO FUTURE: LEGACY OF COLONIALISM AND THE PATH FOR SUSTAINABLE DEVELOPMENT OF AFRICAN PEOPLE. A LEGAL-HISTORICAL ANALYSIS
Dipartimento di Diritto Pubblico Italiano e Sovranazionale	1	GOISIS, FRANCESCO, TROISE MANGONI DI S. STEFANO, WLADIMIR FRANCESCO	Sustainable development and judicial protection of super-individual interests before administrative courts in the environmental field
Dipartimento di Economia, Management e Metodi Quantitativi	1	VURRO, CLODIA, BENASSI, MARIO	Patent intermediaries as value creators: benefits, antecedents and governance modes
Dipartimento di Filosofia Piero Martinetti	1	SIMONETTA, STEFANO, CAMPI, LUIGI	The re-elaboration of scholastic sources (13th-14th centuries) in the fifteenth-century humanistic thought
Dipartimento di Fisica Aldo Pontremoli	1	GUERRA, ROBERTO, MILANI, PAOLO, ZACCONE, ALESSIO, MANINI, NICOLA, POTENZA, MARCO ALBERTO CARLO, GALLI, DAVIDE EMILIO, PAROLI, BRUNO, VAILATI, ALBERTO, COSENTINO LAGOMARSINO, MARCO	Physics of Matter: nanofriction and nanofluidics, neuromorphic materials for artificial intelligence, complex fluids.
Dipartimento di Fisica Aldo Pontremoli	1	GRILLO, CLAUDIO, LOMBARDI, MARCO, VECCHI, ROBERTA	Astrophysics and Environmental Physics
Dipartimento di Fisica Aldo Pontremoli	1	CAMERA, FRANCO, NERI, NICOLA, ANDREAZZA, ATTILIO, ROME', MASSIMILIANO	EXPERIMENTAL PHYSICS OF NUCLEAR, ELECTROWEAK AND GRAVITATIONAL INTERACTIONS
Dipartimento di Fisiopatologia Medico-Chirurgica e dei Trapianti	1	CORTI, STEFANIA PAOLA, COMI, GIACOMO PIETRO	Stem cells models and molecular approaches for the study and therapeutic development for neurodegenerative diseases
Dipartimento di Fisiopatologia Medico-Chirurgica e dei Trapianti	1	OTTOBRINI, LUISA, VAIRA, VALENTINA, LOCATELLI, MARCO	Glioma bioenergetics as a hub able to reprogram the tumour epigenetic status, and the cerebral and immunological microenvironment.
Dipartimento di Fisiopatologia Medico-Chirurgica e dei Trapianti	1	PALLESCHI, ALESSANDRO, GIANELLI, UMBERTO	Extracellular vesicles as molecular cargoes of inflammatory signaling in lung transplantation



Dipartimento di Informatica Giovanni Degli Antoni	5	CASTANO, SILVANA, DAMIANI, MARIA LUISA, BOCCIGNONE, GIUSEPPE, TARINI, MARCO, RIZZI, ALESSANDRO, SASSI, ROBERTO, CESA BIANCHI, NICOLO' ANTONIO, RIGHINI, GIOVANNI, CESELLI, ALBERTO, CORDONE, ROBERTO, VALENTINI, GIORGIO	Advanced methods and technologies in Computer Science
Dipartimento di Lingue e Letterature Straniere	1	SPARVOLI, ELEONORA, BARSÌ, MONICA ALESSIA	French literature translated into Italian: publishers and readers
Dipartimento di Lingue e Letterature Straniere	1	RUSSO, VINCENZO, MANERA, DANILO	New interpreters of Brazil: criticism, theory, literature
Dipartimento di Matematica Federigo Enriques	1	FRITTELLI, MARCO, CAMPI, LUCIANO	Extension of Martingale Optimal Transport Theory
Dipartimento di Matematica Federigo Enriques	1	MASTROLIA, PAOLO, PELOSO, MARCO MARIA	The prescribed curvature problem in $R \times M$ and related topics.
Dipartimento di Medicina Veterinaria	1	VERONESI, MARIA CRISTINA, FAUSTINI, MASSIMO	RELATIONSHIP BETWEEN COAT AND CLAWS HORMONAL CONCENTRATIONS AND REPRODUCTIVE STATUS IN COMPANION ANIMALS
Dipartimento di Medicina Veterinaria	1	MORTARINO, MICHELE, BRECCHIA, GABRIELE	Microparasite infections in livestock: innovative diagnostics and impact
Dipartimento di Scienze Biomediche e Cliniche L. Sacco	1	TRABATTONI, DARIA LUCIA, GIACOMET, VANIA	Analysis of persistence of specific immunological memory after HBV vaccine in HIV-infected children, adolescents and young adults
Dipartimento di Scienze Biomediche e Cliniche L. Sacco	1	CIUFFREDA, PIERANGELA, DELL'ERA, ALESSANDRA	An ultrasensitive ABHD6 and ABHD12 enzymatic assay to uncover the involvement of these hydrolases in endocannabinoid signaling .
Dipartimento di Scienze Biomediche e Cliniche L. Sacco	1	BIASIN, MARA, SAVASI, VALERIA MARIA	Analyses of SARS-CoV-2-specific immune memory in women who contracted the infection during their pregnancy
Dipartimento di Scienze Biomediche per la Salute	1	PORTA, ALBERTO, GUAZZI, MARCO	Cardiac neural control and cardiorespiratory interactions: methods of quantification and clinical relevance





Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche	1	BASILICO, NICOLETTA, DELBUE, SERENA	Identification of new antiviral and antiparasitic compounds: immunological, pharmacological and biomolecular studies
Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche	1	MUTI, PAOLA CORNELIA MARIA, TASCHIERI, SILVIO LUIGI MARIA	Innovative Approaches and Predictive Models for Medication Related Osteonecrosis of the Jaws (MRONJ)
Dipartimento di Scienze Cliniche e di Comunità	1	CIMAZ, ROLANDO, CAPORALI, ROBERTO FELICE	Personalized medicine in patients with chronic arthritides treated with biologic drugs
Dipartimento di Scienze Cliniche e di Comunità	1	FUSTINONI, SILVIA, PESATORI, ANGELA CECILIA	AIR POLLUTION AND HEALTH EFFECTS IN SUSCEPTIBLE POPULATIONS
Dipartimento di Scienze Cliniche e di Comunità	1	MANTOVANI, GIOVANNA, AROSIO, MAURA	The role of cytoskeleton in the regulation of tyrosine kinase receptors in endocrine tumors: focus on adrenal and medullary thyroid carcinoma
Dipartimento di Scienze Cliniche e di Comunità	1	TRIMARCHI, SANTI, DOMANIN, MAURIZIO	Computer-based and in-vitro biomechanics simulations to improve clinical outcomes of endovascular aortic repair.
Dipartimento di Scienze della Mediazione Linguistica e di Studi Interculturali	1	MOTTURA, BETTINA MARTA ROSA, BULFONI, CLARA	Dissemination of political discourse in China: genres, intertextuality and frames on the Internet
Dipartimento di Scienze della Salute	1	BORGHI, ELISA, MASSA, VALENTINA, GERVASINI, CRISTINA COSTANZA GIOVANNA, VIGNOLI, AGLAIA, D'AGOSTINO, ARMANDO, VEGNI, ELENA ANNA MARIA, BARASSI, ALESSANDRA, VERDUCI, ELVIRA	microbiota-gut-brain axis in rare diseases
Dipartimento di Scienze della Salute	1	PRIORI, ALBERTO, GAMBINI, ORSOLA, FOLLI, FRANCO	Cerebellar modulation of glucidic tolerance in humans and psycho-behavioral correlates
Dipartimento di Scienze della Terra Ardito Desio	1	BERRA, FABRIZIO, DELLA PORTA, GIOVANNA, MUTTONI, GIOVANNI	Stratigraphic evolution of Triassic and Jurassic carbonate platforms in the Tethys Realm: controlling factors and environmental changes
Dipartimento di Scienze e Politiche Ambientali	1	BALDI, LUCIA, OLPER, ALESSANDRO	GREEN FINANCE AS TOOL FOR CLIMATE CHANGE MITIGATION AND ADAPTATION
Dipartimento di Scienze Farmaceutiche	1	MENEGHETTI, FIORELLA, VILLA, STEFANIA	Design and development of new antimicrobial compounds and analysis of their mechanism of action.



Dipartimento di Scienze Farmacologiche e Biomolecolari	1	NORATA, GIUSEPPE DANILLO, MAGNI, PAOLO	Study of the role of PCSK9 in hepatic and cardiac metabolism.
Dipartimento di Scienze per gli Alimenti, la Nutrizione e l'Ambiente	1	VIGENTINI, ILEANA, FOSCHINO, ROBERTO CARMINE	Molecular biotechnology approaches to investigate microbial interactions in wine and wine-related ecosystems
Dipartimento di Scienze per gli Alimenti, la Nutrizione e l'Ambiente	1	FESSAS, DIMITRIOS, IAMETTI, STEFANIA	Calorimetry and thermal analysis for addressing interactions among biopolymers in food systems
Dipartimento di Scienze Sociali e Politiche	1	AMBROSINI, MAURIZIO, CINALLI, MANLIO, BONIZZONI, PAOLA, MAGNI, BEATRICE, CELA, ERALBA, SPLENDORE, SERGIO	Immigration and religions: personal dimensions and social functions
Dipartimento di Scienze Sociali e Politiche	1	BESUSSI, ANTONELLA, FERRERA, MAURIZIO	Agents or processes? Ontological questions in social realism
Dipartimento di Scienze Veterinarie per la Salute, la Produzione Animale e la Sicurezza Alimentare	1	DEMARTINI, EUGENIO, VALLONE, LISA	The value of animal welfare: economic implications for farmers and society
Dipartimento di Scienze Veterinarie per la Salute, la Produzione Animale e la Sicurezza Alimentare	1	CHIESA, LUCA MARIA, VILLA, ROBERTO EDOARDO	Presence of antimicrobials in food and unconventional matrices of animal origin and their relevance for food safety
Dipartimento di Scienze Veterinarie per la Salute, la Produzione Animale e la Sicurezza Alimentare	1	AGAZZI, ALESSANDRO, SAVOINI, GIOVANNI	Pre- pro- and post-biotics mechanism of action and efficacy to assure health status and performance in farm animals
Dipartimento di Scienze Veterinarie per la Salute, la Produzione Animale e la Sicurezza Alimentare	1	LODDE, VALENTINA, FRANCIOSI, FEDERICA	Innovative strategies for preserving (safeguarding) animal biodiversity through conservation of maternal germ plasm
Dipartimento di Studi Internazionali, Giuridici e Storico-Politici	1	MASSARI, MONICA, GALLIANI, DAVIDE	Memory social practices related to Mafia violence in Italy