



# UNIVERSITÀ DEGLI STUDI DI MILANO

## COMPETITION FOR 52 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 52 fellowships are divided among the following departments of the University:

DIPARTIMENTO	n. assegni da bandire
DIPARTIMENTO DI BIOSCIENZE	4
DIPARTIMENTO DI BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE	1
DIPARTIMENTO DI CHIMICA	4
DIPARTIMENTO DI DIRITTO PRIVATO E STORIA DEL DIRITTO	1
DIPARTIMENTO DI DIRITTO PUBBLICO ITALIANO E SOVRANAZIONALE	2
DIPARTIMENTO DI ECONOMIA, MANAGEMENT E METODI QUANTITATIVI	2
DIPARTIMENTO DI FILOSOFIA	1
DIPARTIMENTO DI FISICA "ALDO PONTREMOLI"	3
DIPARTIMENTO DI INFORMATICA "Giovanni Degli Antoni"	3
DIPARTIMENTO DI MATEMATICA "FEDERIGO ENRIQUES"	2
DIPARTIMENTO DI MEDICINA VETERINARIA	3
DIPARTIMENTO DI SCIENZE AGRARIE E AMBIENTALI - PRODUZIONE, TERRITORIO, AGROENERGIA	3
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 COMUNITA'	3
DIPARTIMENTO DI SCIENZE DELLA MEDIAZIONE LINGUISTICA E DI STUDI INTERCULTURALI	1
DIPARTIMENTO DI SCIENZE DELLA SALUTE	2
DIPARTIMENTO DI SCIENZE E POLITICHE AMBIENTALI	1
DIPARTIMENTO DI SCIENZE FARMACEUTICHE	2



DIPARTIMENTO DI SCIENZE FARMACOLOGICHE E BIOMOLECOLARI	2
DIPARTIMENTO DI SCIENZE GIURIDICHE "CESARE BECCARIA"	1
DIPARTIMENTO DI SCIENZE SOCIALI E POLITICHE	1
DIPARTIMENTO DI STUDI LETTERARI, FILOLOGICI E LINGUISTICI	2
DIPARTIMENTO DI STUDI STORICI	2

## 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 and anyway within February 29<sup>th</sup> 2020.

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 **OCTOBER 18<sup>th</sup> 2019 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/ricerca-lastatale/fare-ricerca-da-noi/assegni-di-ricerca>

## Art. 4 - ASSESSMENT

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

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;
- 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;
- orcid ID

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/ricerca-lastatale/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 or anyway within February 29<sup>th</sup> 2020 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

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. 3551/2019 del 16/9/2019

IL RETTORE  
F.to Elio Franzini



Departments	Fellowships	Coordinators	Research lines
DIPARTIMENTO DI BIOSCIENZE	4	CAPPELLETTI GRAZIELLA, MANTOVANI ROBERTO, KATER MARTIN, RICAGNO STEFANO, CASARTELLI MORENA	Integrated approaches to study biology
DIPARTIMENTO DI BIOTECNOLOGIE MEDICHE E MEDICINA TRASLAZIONALE	1	RIVA PAOLA VANDA, ANTONUCCI FLAVIA, BATTAGLIOLI ELENA, CERRI GABRIELLA, LUCINI DANIELA, MAURI LAURA, GIUSSANI PAOLA CARLA, MOLTENI RAFFAELLA, NOBILE-ORAZIO EDUARDO, RATTI ANTONIA	neuroscience in biomedicine
DIPARTIMENTO DI CHIMICA	1	SPERANZA GIOVANNA, BELVISI LAURA, BENAGLIA MAURIZIO, BERNARDI ANNA, GIANNINI CLELIA, LICANDRO EMANUELA, MORELLI CARLO, PASSARELLA DANIELE, PUGLISI ALESSANDRA, SILVANI ALESSANDRA, SATTIN SARA, RAIMONDI LAURA MARIA	Recent advances in organic and bioorganic chemistry
DIPARTIMENTO DI CHIMICA	1	GALLO EMMA, CASELLI ALESSANDRO, DELLA PINA CRISTINA, DEMARTIN FRANCESCO	Development of transition metal complexes for promoting eco-sustainable and atom-efficient catalytic processes.
DIPARTIMENTO DI CHIMICA	1	BIANCHI CLAUDIA LETIZIA MADDALENA, RANUCCI ELISABETTA, ROSSETTI ILENIA GIUSEPPINA, PIROLA CARLO, MANFREDI AMEDEA GIUSEPPINA	Development of materials and processes through the study of thermodynamic, kinetic, catalytic, technological and environmental impact aspects
DIPARTIMENTO DI CHIMICA	1	CAPPELLETTI GIUSEPPE, VERTOVA ALBERTO, SIRONI MAURIZIO, LONGHI MARIANGELA, LO PRESTI LEONARDO, FALCIOLA LUIGI	Synthesis and physico-chemical/electrochemical characterization of nanocomposite materials for both sensoristic and energetic applications



DIPARTIMENTO DI DIRITTO PRIVATO E STORIA DEL DIRITTO	1	FARGNOLI IOLE, GAGLIARDI LORENZO	EI INCUMBIT QUI DICIT. ABOUT THE BURDEN OF PROOF IN CODEX 4.19, DE PROBATIONIBUS principle of the burden of proof
DIPARTIMENTO DI DIRITTO PUBBLICO ITALIANO E SOVRANAZIONALE	1	CONDINANZI MASSIMO, AMALFITANO CHIARA	The Solidarity Principle between EU Member States and the future of the EMU.
DIPARTIMENTO DI DIRITTO PUBBLICO ITALIANO E SOVRANAZIONALE	1	BARIATTI STEFANIA, FUMAGALLI LUIGI	Protection of human rights, prohibition of discrimination, and public policy in a private international law perspective
DIPARTIMENTO DI ECONOMIA, MANAGEMENT E METODI QUANTITATIVI	1	FLORIO MASSIMO, TURRI MATTEO	Economics and policy of Research and Development and innovation
DIPARTIMENTO DI ECONOMIA, MANAGEMENT E METODI QUANTITATIVI	1	RENTOCCHINI FRANCESCO, BENASSI MARIO, VURRO CLODIA	Patent intermediaries as value creators: the role of antecedents and different governance modes
DIPARTIMENTO DI FILOSOFIA "PIERO MARTINETTI"	1	GOBO GIAMPIETRO, ZUCCHI ALESSANDRO	Multisensoriality and Multimodality in collaborative workplace activities. Interaction, language and technology
DIPARTIMENTO DI FISICA "ALDO PONTREMOLI"	1	MOLINARI LUCA GUIDO, CARACCILO SERGIO, SORBI MASSIMO	Theoretical physics and accelerator physics
DIPARTIMENTO DI FISICA "ALDO PONTREMOLI"	1	LODATO GIUSEPPE, GRILLO CLAUDIO, LOMBARDI MARCO	Astrophysics
DIPARTIMENTO DI FISICA "ALDO PONTREMOLI"	1	MIRAMONTI LINO, D'ANGELO DAVIDE	Astroparticle and Neutrino Physics
DIPARTIMENTO DI INFORMATICA "Giovanni Degli Antoni"	3	VALENTINI GIORGIO, CASTANO SILVANA, BORGHESE NUNZIO ALBERTO, PIGHIZZINI GIOVANNI	Advanced methods and technologies in Computer Science
DIPARTIMENTO DI MATEMATICA "FEDERIGO ENRIQUES"	1	VAN GEEMEN LAMBERTUS, ANDREATTA FABRIZIO	Algebraic Geometry and Arithmetical Geometry



DIPARTIMENTO DI MATEMATICA "FEDERIGO ENRIQUES"	1	PELOSO MARCO MARIA, SALVATORI MAURA ELISABETTA	Harmonic Analysis on Lie groups, Riemannian and sub-Riemannian manifolds, time– frequency analysis
DIPARTIMENTO DI MEDICINA VETERINARIA	1	PASTORELLI GRAZIA, TURIN LAURETTA	Nutritional Strategies in animal farm according to European legislation
DIPARTIMENTO DI MEDICINA VETERINARIA	1	PIRRONE FEDERICA, ALBERTINI MARIANGELA	Non-invasive evaluation of physiological and behavioural responses of domestic dogs involved in different contexts of interaction with humans
DIPARTIMENTO DI MEDICINA VETERINARIA	1	DALL'ARA PAOLA EMANUELA, GIORDANO ALESSIA	Interplay between gut microbiota and immune arrangement in dogs and cats with inflammatory and neoplastic disorders
DIPARTIMENTO DI SCIENZE AGRARIE E AMBIENTALI - PRODUZIONE, TERRITORIO, AGROENERGIA	3	ROSSINI LAURA, PROVOLO GIORGIO MARIO, SPADA ALBERTO, BECHINI LUCA, ACUTIS MARCO, BAVA LUCIANA, FAILLA OSVALDO, BRANCADORO LUCIO	Agriculture and environment: challenges and perspectives
DIPARTIMENTO DI SCIENZE BIOMEDICHE E CLINICHE "L. SACCO"	1	FIORINA PAOLO, GALLIENI MAURIZIO ALBERTO	Role of the IL-8/CXCR1 podocytary axis in diabetic nephropathy
DIPARTIMENTO DI SCIENZE BIOMEDICHE E CLINICHE "L. SACCO"	1	SCHINDLER ANTONIO, SANTUS PIERACHILLE	OROPHARYNGEAL MUSCLE IN SLEEP APNEA SYNDROME: ROLE, IMPLICATIONS AND NEW THERAPEUTIC APPROACH
DIPARTIMENTO DI SCIENZE BIOMEDICHE E CLINICHE "L. SACCO"	1	MAIER JEANETTE ANNE MARIE, STAURENGHI GIOVANNI	Vasculature on a chip to dissect micro and macrovascular endothelial dysfunction in diabetes
DIPARTIMENTO DI SCIENZE BIOMEDICHE PER LA SALUTE	1	LUZI LIVIO, BENEDINI STEFANO	Deep Transcranial Magnetic Stimulation in Obesity: effects on Dopamine Transporter Availability (DAT) evaluated by SPECT
DIPARTIMENTO DI SCIENZE BIOMEDICHE, CHIRURGICHE ED ODONTOIATRICHE	1	PIGATTO PAOLO DANIELE MARIA, MAIORANA CARLO	Analysis of the main systemic inflammatory dermatoses and their dental implications assessed with new statistical approaches to characterize new endot





DIPARTIMENTO DI SCIENZE BIOMEDICHE, CHIRURGICHE ED ODONTOIATRICHE	1	DONEDA LUGIA, SISTO FRANCESCA	Analysis of microRNAs and intestinal microbiota in refractory celiac patients
DIPARTIMENTO DI SCIENZE CLINICHE E DI COMUNITA'	1	MONTANO NICOLA, CESARI MATTEO	Development of novel research strategies for the characterization of fatigue, a marker of aging and complexity, and potential target of interventions
DIPARTIMENTO DI SCIENZE CLINICHE E DI COMUNITA'	1	AGOSTONI CARLO VIRGINIO, PARAZZINI FABIO	The role of fatty acid in the conception and in the early phase of pregnancy
DIPARTIMENTO DI SCIENZE CLINICHE E DI COMUNITA'	1	LA VECCHIA CARLO VITANTONIO BATTISTA, FERRARONI MONICA	Dietary factors, lifestyle habits and other environmental factors, microbiota, and the risk of cancer.
DIPARTIMENTO DI SCIENZE DELLA MEDIAZIONE LINGUISTICA E DI STUDI INTERCULTURALI	1	CALVI MARIA VITTORIA, SERGIO GIUSEPPE	The Milanese linguistic landscape as an expression of the new multilingualism
DIPARTIMENTO DI SCIENZE DELLA SALUTE	1	SIRCHIA SILVIA MARIA, LESMA ELENA ANNA, BORGHINI ELISA, BARASSI ALESSANDRA, FALLENINI MONICA	Epigenetic defects: new biomarkers of human pathology
DIPARTIMENTO DI SCIENZE DELLA SALUTE	1	PRIORI ALBERTO, FOLLI FRANCO, GAMBINI ORSOLA	Cerebellar modulation of glucidic tolerance in humans and psycho-behavioral correlates
DIPARTIMENTO DI SCIENZE E POLITICHE AMBIENTALI	1	MAUGERI MAURIZIO, DIOLAIUTI GUGLIELMINA ADELE, OLPER ALESSANDRO	Projecting past, present and future climate information onto a high-resolution grid
DIPARTIMENTO DI SCIENZE FARMACEUTICHE	1	MARONI ALESSANDRA, GAZZANIGA ANDREA	Novel Formulation Approaches to Oral Colon Delivery of Bioactive Compounds
DIPARTIMENTO DI SCIENZE FARMACEUTICHE	1	GELMI MARIA LUISA, PELLEGRINO SARA	Synthesis and spectroscopic characterization of peptidomimetics and their use for the preparation for nanomaterials
DIPARTIMENTO DI SCIENZE FARMACOLOGICHE E BIOMOLECOLARI	1	MAGNAGHI VALERIO, COLCIAGO ALESSANDRA	Defining mechanisms underlying neuro-glia interaction and neurotransmitter control of pain in the peripheral nervous system



DIPARTIMENTO DI SCIENZE FARMACOLOGICHE E BIOMOLECOLARI	1	CALABRESI LAURA, EBERINI IVANO	Lecithin:cholesterol acyltransferase (LCAT): from genetics to precision therapy
DIPARTIMENTO DI SCIENZE GIURIDICHE "CESARE BECCARIA"	1	PALIERO CARLENRICO, SCOLETTA MARCO MARIA	Reflexive Law in Criminal matters: the impact of self-regulative paradigms on contemporary Criminal Law Theory
DIPARTIMENTO DI SCIENZE SOCIALI E POLITICHE	1	FRANCHINO FABIO, GIULIANI MARCO	Machine Learning-Assisted Policy Design for Effective Implementation
DIPARTIMENTO DI STUDI LETTERARI, FILOLOGICI E LINGUISTICI	1	PIERUCCINI CINZIA DANIELA, BOLOGNA MARIA PATRIZIA	Deities and Animals in Classical Hinduism. Functions, Significances, and Vocabulary in the Rise of Therianthropic Figures
DIPARTIMENTO DI STUDI LETTERARI, FILOLOGICI E LINGUISTICI	1	BERRA CLAUDIA, MARI MICHELE	Autograph and Archives of Renaissance Italian Authors
DIPARTIMENTO DI STUDI STORICI	1	GRILLO PAOLO, COVINI MARIA NADIA	Chivalry and society in the cities of communal Italy in the thirteenth century
DIPARTIMENTO DI STUDI STORICI	1	LEVATI STEFANO, CRISCUOLO VITTORIO	Continuity and discontinuity in post napoleonic age