



UNIVERSITÀ DEGLI STUDI DI MILANO

Area Affari Istituzionali, Internazionali e Formazione

Divisione Formazione Universitaria e Formazione Permanente

NOTICE SELECTION FOR THE AWARD OF SCHOLARSHIPS TO NON EU CITIZENS FOR ADMISSION TO RESEARCH DOCTORATE/PH.D. DEGREE COURSES

1. Announcement

The University of Milan announces a competition by selection on the basis of academic qualifications for the admission of non EU citizens to the following Research Doctorate/Ph.D. degree courses:

GRADUATE SCHOOL OF CHEMICAL SCIENCES AND TECHNOLOGIES

The School's main aims and objectives are:

- to promote training and research in the extensive field of chemical sciences and technologies and of their multiple applications;
- to promote an interdisciplinary and scientifically modern approach to the study of chemical problems, from the laboratory scale to that of the industrial production of all kinds of chemical products (pharmaceuticals, materials, additives, products for agriculture etc.);
- to encourage collaboration between research institutes, advanced training institutes and firms in the sectors of basic and applied chemical sciences;
- to encourage the internationalisation of doctorates by involving foreign lecturers, recruiting postgraduate students from outside Italy, making provision for theses to be co-tutored and arranging for the postgraduate students to spend time studying and researching abroad;
- to organise and rationalise the postgraduate students' educational and training activities optimally.

To this end, the system of training credits is applied in the School's educational and training activities. All postgraduate students must acquire at least 45 credits by taking part in the educational and training activities common to the three PhD courses relative to the School and held in English with methods for verifying and recognising the credits, dedicated to the methodological aspects and interdisciplinary perspectives. The activity of academic and training research constitutes the School's most important commitment and will be conducted by the postgraduate students under the guidance of a tutor.

Director	Franco Cozzi
PhD Course	<i>Scienze chimiche - Notice for non EU</i>
Scholarships	1
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English language	
We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent directly by the professor to the e-mail address silvia.ardizzone@unimi.it within the strict deadline of 6 September, 2012 .	
For further information	silvia.ardizzone@unimi.it



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GRADUATE SCHOOL OF BIOLOGICAL AND MOLECULAR SCIENCES

The School's main aims and objectives are:

- to promote training and research in the area of the biomolecular sciences and of their biotechnological applications;
- to promote the molecular approach to studying complex biological problems in model prokaryotic and eukaryotic organisms, animals and plants;
- to encourage collaboration between research institutes, advanced training institutes and firms in the sectors of the biomolecular sciences and of biotechnologies;
- to encourage the internationalisation of doctorates by involving foreign lecturers, recruiting postgraduate students from outside Italy, making provision for theses to be co-tutored and arranging for the postgraduate students to spend time abroad.

The School's activities will feature three innovative characteristics:

- multidisciplinary;
- links to the business community;
- internationalisation.

The system of training credits is applied in the School's educational and training activities. All postgraduate students must acquire at least 45 credits by taking part in these activities, with methods for verifying and recognising the credits established by the School's Managing Board.

The activity of academic and training research constitutes the School's most important commitment and will be conducted by the postgraduate students under the guidance of a tutor.

Director	Giovanni Dehò
PhD Course	<i>Scienze biologiche e molecolari - Notice for non EU</i>
Scholarships	1
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English language	
We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent directly by the professor to the e-mail address gianni.deho@unimi.it cc margherita.russo@unimi.it within the strict deadline of 6 September, 2012 .	
For further information	gianni.deho@unimi.it cc margherita.russo@unimi.it

GRADUATE SCHOOL OF MOLECULAR SCIENCES AND PLANT, FOOD AND ENVIRONMENTAL BIOTECHNOLOGY

The aim of the School is to train students to benefit from qualified research and design skills in the areas of innovative biotechnologies for the sector of plant production, for both nutritional and non-nutritional purposes, of nutritional and agro-nutritional biotechnologies, for the chemistry of the molecules involved in the agricultural and food industry and for the ecology of pest control and xenobiotics. The professional profiles thus trained can find employment in research, in the technology transfer of innovations in public and private research institutes, in firms producing biological raw materials, in biotechnological concerns in the agricultural and food industries, in concerns that preserve and process food products, in food safety and traceability, in the agro-chemical industry, in firms that produce technical supports for such activities and in environmental monitoring, rehabilitation and safety.

The School features articulated, complex competences, spearheaded by a highly qualified faculty staff, which is complemented by the competence of the Italian and foreign professors and researchers who contribute to the School's activities in the form of seminars and short courses. The School has state-of-the-art scientific equipment and structures at its disposal and networks with other scientific bodies, institutions and firms, also for the purpose of facilitating job placements.



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In the course of the three years, all postgraduate students must acquire 45 study credits in the training activities structured and organised by the School and addressed to the areas of research covered by the three PhD courses in question, about topics of support (e.g. English and computer science), which may be shared by all the postgraduates: the aim here is to build on their preparation and expand their scientific and methodological horizons, as well as the specific topics covered in their own projects. The entire package of structured activities made available by the School combines with the postgraduate students' personal project work to enable them to develop design capacities for innovative research in the fields concerned with the School's scientific and cultural heritage.

The postgraduate students will be encouraged to spend a suitable period of time studying and researching at foreign universities and/or research centres.

Director	Luciano Piergiovanni
PhD Courses	<ul style="list-style-type: none">- Biologia vegetale e produttività della pianta coltivata - Notice for non EU- Biotechnologie degli alimenti - Notice for non EU- Chimica, biochimica ed ecologia degli antiparassitari - Notice for non EU
Scholarships	3
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English or Italian language	
We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent within the strict deadline of 6 September, 2012 directly by the professor to the e-mail address: piero.bianco@unimi.it (Biologia vegetale e produttività della pianta coltivata) grazia.fortina@unimi.it (Biotechnologie degli alimenti) daniele.daffonchio@unimi.it (Chimica, biochimica ed ecologia degli antiparassitari)	
For further information	piero.bianco@unimi.it (Biologia vegetale e produttività della pianta coltivata) grazia.fortina@unimi.it (Biotechnologie degli alimenti) daniele.daffonchio@unimi.it (Chimica, biochimica ed ecologia degli antiparassitari)

GRADUATE SCHOOL OF VETERINARY SCIENCES FOR ANIMAL HEALTH AND FOOD SAFETY

A modern development on the theme of third-level training in the area of the veterinary sciences that come under the remit of this School must take the form of an integrated project tailored to achieve global prevention for mankind, for animals and for the environment. In the first place, it must envisage a three-part or three-sided structure encompassing: the study and control of animal feeds and the methods used to administer them, tested on both animals and the environment; the study and control of animal health, whose actual clinical and both physiological and pathological effects have been verified; the study and control of products with an animal origin, tested for human and environmental health. In general, the scale of investigations conducted is expected to vary from research projects aimed at using techniques of molecular biological diagnostics, including nanotechnologies, to perceive the finer mechanisms of action of a substance or an effect, to classical clinical, biochemical and pharmacological research projects, whose aim is to determine the response to an effect or also merely to prevent the occurrence of pathologies rather than cure them.

In order to conduct this research activity, postgraduate students will be able to make use of the skills already to be found in the School with regard to anatomy, physiology, genetics, technologies of reproduction, diagnostics and medical and surgical therapy, oncology, animal feeding and nutritional and metabolic pathologies and the application of feed inspection technologies to guarantee the quality of products with an animal origin.

The system of training credits is applied in the School's educational and training activities. All postgraduate students are expected to acquire at least 45 credits in these activities, with methods for verifying and recognising the credits.



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The activity of academic and training research constitutes the School's most important commitment and will be conducted by the postgraduate students under the guidance of a tutor.

Director	Valentino Bontempo
PhD Course	<i>Alimentazione animale e sicurezza alimentare - Notice for non EU</i>
Scholarships	1
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English language	
We require two reference letters written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letters should be sent directly by the professors to the e-mail address valentino.bontempo@unimi.it within the strict deadline of 6 September, 2012 .	
For further information	valentino.bontempo@unimi.it

GRADUATE SCHOOL OF PHYSICS, ASTROPHYSICS AND APPLIED PHYSICS

The School aims at providing the students with scientific, technological and professional formation in Physics as well as interdisciplinary topics. The students obtaining the PhD at our School will be able to spend their careers in fundamental and applied academic research, in public and private institutions, in Italy, in the European Union, or in any other Country. The School offers courses dedicated to PhD students in a wide range of topics, as well as seminars and lectures by top-level international visiting professors and researchers. All courses are offered in English language. We also encourage our students to participate in International Summer Schools on topics relevant to their own research interests. Our PhD School has state-of-the-art scientific structures and is connected to a number of internationally renowned scientific groups, institutions and industries, with the effect of facilitating subsequent postgraduate employment both in the academic and in the industrial world. Stages at research Laboratories, public and private structures and enterprises are envisaged. Furthermore, the students' activities are evaluated following the method of European Credits, in order to facilitate the acknowledgment of the Ph.D. title in other European Countries. Agreements with European Universities and high level Research Institutions have been established and more are expected to be soon approved, for activities of common formation, with acknowledgment of the PhD/Doctorate title from both sides (see the web page <http://phd.fisica.unimi.it/international-network/>).

Director	Marco Bersanelli
PhD Course	<i>Fisica, astrofisica e fisica applicata - Notice for non EU</i>
Scholarships	1
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English language	
We require two reference letters written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letters should be written using the form available online at the address http://phd.fisica.unimi.it/admission/ and should be sent directly by the professors to the e-mail address phd@fisica.unimi.it , within the strict deadline of 6 September, 2012 .	
For further information	phd@fisica.unimi.it



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GRADUATE SCHOOL OF MORPHOLOGICAL, PHYSIOLOGICAL AND SPORT SCIENCES

The aim of the School is to encourage studies to generate integrated analyses of the morphological and physiological, qualitative and quantitative aspects of biological structures at all levels of structural organisation, from the cell to the tissue and the organ, right up to the human organism as a whole. The convergence of the morphological and the physiological approach is of particular significance in the field of studies of motor control, of the nervous system, of physical and sports activities and of the relations between structure and function in cellular membranes, where there are extensive areas of synthesis and integration between anatomy and physiology, of crucial interest to those who want to undertake more advanced research.

The research activities conducted by the postgraduate students will focus on the following areas: the cell and the extracellular matrix; the systems that transport ions and organic substances through the epithelia; the ionic channels responsible for phenomena of membrane excitability; the nervous system; the locomotive apparatus, movement and motor control; muscular bioenergetics; respiratory mechanics and ventilation control; exchanges of liquids and solutes through the mesothelium and connecting tissue; the stomatognathic apparatus; morphometrics and image analysis of biological structures in various body hierarchies; physical activities and sport, in particular aspects relative to the energy metabolism and hormone regulation, doping and methodological aspects of sports training.

Director	Chiarella Sforza
PhD Course	<i>Scienze morfologiche - Notice for non EU</i>
Scholarships	1
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English language	
We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent directly by the professor to the e-mail address laura.vizzotto@unimi.it within the strict deadline of 6 September, 2012 .	
For further information	laura.vizzotto@unimi.it

GRADUATE SCHOOL OF INFORMATION TECHNOLOGY

The aim of the Graduate School of Information Technology is to provide:

- solid, wide-ranging knowledge about the basics of information sciences and technologies and related fields;
- advanced and in-depth competences about specific disciplinary aspects;
- the interdisciplinary skills necessary to be able to exploit cultural and methodological synergies;
- a sound methodological grounding in the conduct of research, as well as in its organisation, management and dissemination;
- opportunities for internationalisation and advanced relations with economic, social and production bodies located in the area.

The aim is to prepare students with an extensive, sound cultural background, providing them with a high degree of flexibility, an open mind and in-depth, innovative competences in specific fields. These students will be capable of conducting and managing both theoretical and applied research activities independently, contributing greatly to maintaining and advancing scientific and technological knowledge at international level. They will also be capable of designing and building complex IT systems, developing innovative IT applications and transferring their knowledge to the private sector, thus contributing to consolidating and expanding the role played by Italian firms in the global economic scenario. The training provided by the School has been articulated by identifying blocks of courses (the curricula) that correspond to specific areas of interest in IT disciplines. The longer courses cover fundamental areas of information sciences and technologies, while the short courses go into greater detail about specific topics, above all by presenting recent research projects and results and so providing stimuli for the postgraduate students' own research activities. Each postgraduate student is free to construct his/her own study plan, choosing several long



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courses and several short courses of interest to him/her. It is also possible to attend courses at other Italian and foreign universities, so as to expand the opportunities for training and encourage internationalisation.

Director	Ernesto Damiani
PhD Course	Informatica - Notice for non EU
Scholarships	3
<p>In addition to qualifications required to all participants, applicants to the Ph.D. program in Information technology will have to demonstrate their high level of proficiency during undergraduate studies and their fluency in English.</p> <p>Admission to the School is highly selective; applicants are therefore strongly advised to make sure that their application contains an exhaustive list of undergraduate courses they attended, including all grades and efforts in credits, as well as a brief résumé of their M.Sc. thesis. Applicants are also encouraged to describe in detail their research program, highlighting synergy with research themes already carried out in Milan.</p> <p>We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent directly by the professor to the e-mail address ernesto.damiani@unimi.it within the strict deadline of 6 September, 2012.</p>	
For further information	ernesto.damiani@unimi.it

GRADUATE SCHOOL OF MATHEMATICAL SCIENCES

The aim of the PhD courses in the area of Mathematical Sciences is to provide postgraduate students with research techniques and methodologies pertinent to the sectors of contemporary mathematics, in terms of both its qualitative and quantitative aspects and with reference to its applications, up to the point in which they achieve a sufficiently broad degree of scientific and cultural independence to enable them to generate original, significant results. The primary focus of these courses is the PhD thesis, which represents the benchmark of the student's ability and level of independence.

The aim of this School is to pool PhD courses that share certain affinities, so as to create synergies and promote a more effective, functional management of the resources available in didactic, organisational, logistical and administrative terms, while respecting the independence of the individual PhD courses, the respective Faculty Committees, the mechanisms used to select the postgraduate students and the qualifications issued, contributing to organising and guaranteeing the high quality thereof and the periodical appraisal of further training research activities promoted by the courses.

The School's main aim is to provide an adequate structure for the didactic and training activities for research encompassed in its component PhD courses.

The School also sets out to encourage research programmes capable of mixing different disciplinary approaches. Lastly, the School's aims include generating institutionalised exchanges with leading international research centres operating in the disciplinary sectors that fall under the heading of the mathematical sciences, valorising the particular scientific qualification, both domestically and internationally, of the groups and structures that support them and promoting the possibility of issuing joint PhD qualifications.

Director	Luca Barbieri Viale
PhD Course	Matematica - Notice for non EU
Scholarships	1
<p>In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold:</p> <ul style="list-style-type: none"> - A good knowledge of English language <p>We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent directly by the professor to the e-mail address marco.peloso@unimi.it within the strict deadline of 6 September, 2012.</p>	



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For further information	marco.peloso@unimi.it

GRADUATE SCHOOL OF PHARMACOLOGICAL SCIENCES

The aim of the School is to promote training and research in the field of the pharmacological sciences, including pharmacognosy and toxicology, and their biotechnological applications; to encourage the molecular approach to developing innovative therapies; to promote interdisciplinarity and the exchange of scientific and didactic experiences between lecturers and postgraduate students from different disciplinary backgrounds, for the purpose of creating a culturally stimulating environment and diversifying, improving and expanding the forms of training on offer in the various different fields of development and use of pharmaceuticals; to facilitate collaboration between research institutions, advanced training schools and the business community in the fields of pharmacological sciences and biotechnologies, and to encourage the internationalisation of the PhD course by involving foreign lecturers, recruiting postgraduate students from outside Italy, providing for theses to be co-tutored and facilitating periods spent studying abroad. The training activities will feature three innovative aspects: multidisciplinary, a link to the business community and internationalisation. All postgraduate students must acquire at least 45 credits by taking part in the educational and training activities, with methods for verifying and recognising the credits established by the School's Managing Board. The activity of academic and training research constitutes the School's most important commitment and will be conducted by the postgraduate students under the guidance of a tutor.

Director	Alberto Panerai
PhD Course	Scienze farmacologiche - Notice for non EU
Scholarships	1
In addition to the qualifications required to all participants, candidates will have to demonstrate that they hold: - A good knowledge of English language	
We require one reference letter written by professors of the University where the candidate got his degree, or from other Universities or Research Institutes. The reference letter should be sent directly by the professor to the e-mail address alberto.panerai@unimi.it within the strict deadline of 6 September, 2012 .	
For further information	alberto.panerai@unimi.it

2. Scholarship general rules

13 (thirteen) scholarships will be awarded to selected applicants. Further places within the above Graduate Schools will be made available for selected applicants holding scholarships awarded by other Bodies.

3. Requirements

Applications for selection are invited from non EU citizens who do not have a residence permit in accordance with the Italian Legislative Decree N° 286, dated 25 July 1998, as amended by Law N° 189, dated 30 July 2002 and hold a Master's Degree from a foreign university.

The University can at any time exclude candidates lacking the admission requirements.

4. Application deadline

All applicants must present their applications by **6 September, 2012**.



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All candidates must apply exclusively via the *Servizi online SIFA* facility available on the University's website <http://www.unimi.it>.

To access the online application system, go to the *Servizi online SIFA* section and select *Servizi di ammissione/Admission*, then select *Ammissione ai corsi post laurea/Admission to post-graduate programmes* and select the Phd course as named in the article 1.

To complete the admission application, all candidates must upload the documents listed below in electronic format (the system accepts files in .pdf .rtf .jpg formats, no larger than 512Kb):

- university degree certificate in Italian or English with course examinations passed and final grade;
- curriculum vitae, with a description of any professional experience and other qualifications held by the applicant; the *curriculum* should be accompanied by a report on any research carried out by the candidate;
- passport - personal data;

The following can also be uploaded (*under the heading "Other qualifications"*):

- a list of any publications;
- any further candidate's qualifications that should be taken into account, including the study and research programmes he/she intends to carry out in Milan.

All documents must be in Italian or English, or accompanied by a translation into Italian or English.

In addition to the above documentation, one/two reference letters by the teachers or tutors who supervised the candidate on his/her studies at Home University must be **sent directly** as a .pdf document via e-mail **by the lecturers or experts** providing the references, to the relevant address for each course as indicated in article 1, no later than the final deadline set by this announcement (**6 September, 2012**). Please put the following in the subject field: "Academic Reference Forms - Ph.D. Program in ...".

Candidates might be required to submit additional documentation as specified in article 1.

5. Admission and enrolment

Admission to a Research Doctorate/Ph.D. Degree Course is decided by the Academic Board.

The pass-list will be published on the University's website at <http://www.unimi.it> under the heading of *Servizi online SIFA - Graduatorie ammissioni*, by **15 October, 2012**.

No personal communication relating to the results of the competition will be given.

Under penalty of exclusion applicants admitted to PhD courses must download and fill in the *Enrolment Form* from the University's website at <http://www.unimi.it/ricerca/dottorati/18532.htm>. The form should be submitted by fax (0039 02 50313731) or e-mail (international.students@unimi.it) within 5 working days from the publication of the pass-list.

The following documents (original and copies) must be submitted to the International Students' Office as soon as possible:

- degree certificate translated into Italian by an official translator and certified by the Italian diplomatic representation (Embassy or Consulate) in the country where the qualification was awarded;
- "declaration of local value" obtainable from the same diplomatic representation office;
- copy of passport;
- a passport-sized photograph;
- Italian tax code;
- residence permit.



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The International Students' Office is in Via Santa Sofia n.9/1 – 20122 Milan (opening hours to the public: Monday, Wednesday and Friday from 9.00 a.m. to 12.00 p.m.; Tuesday and Thursday from 1.00 p.m. to 3.00 p.m.).

6. Scholarship assignment

Successful applicants, whose annual income does not exceed € 15,000.00 (occasional self-employed work incomes are excluded), are entitled to get a scholarship amounting to € 13,638.47 (gross total) per year. If an applicant selected to receive a scholarship fails to enrol, the scholarship will be assigned to the selected applicant following in the list.

7. Information and publicity of the Notice

The present Notice will be displayed on the University web site: <http://www.unimi.it/ricerca/dottorati/19244.htm> on **5 July, 2012**.

Milan, 4 July 2012

The Rector of the University of Milan
Prof. Enrico Decleva
f.to Enrico Decleva



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ANNEX

Attention: This form must be uploaded under the heading "Other qualifications"

The undersigned

surname _____ *name* _____

born in _____ *on* _____

declares

that he/she submits the list of publications:

that he/she does not submit additional publication or qualification

date

Signature