

CALL FOR APPLICATIONS FOR ADMISSION TO THE DOCTORAL RESEARCH PROGRAMME IN BIOCHEMISTRY AND MOLECULAR BIOLOGY-BIBIM 2.0 - DEADLINE: 24 July 2020

ART. 1 - SUBJECT

1.1. The University of Siena announces a selection procedure for admission to the doctoral programme in **BIOCHEMISTRY AND MOLECULAR BIOLOGY-BIBIM 2.0** for academic year 2020/21, provided that the Ministry renews programme accreditation for the 36th cycle. **General admission requirements for the Doctoral Research programme:**

**DOCTORAL RESEARCH PROGRAMME IN BIOCHEMISTRY AND MOLECULAR BIOLOGY-BIBIM 2.0
A.Y. 2020/2021 – 36th CYCLE**

PhD Programme	BIOCHEMISTRY AND MOLECULAR BIOLOGY-BIBIM 2.0.		
COORDINATOR	Lorenza Trabalzini Lorenza.trabalzini@unisi.it		
Department	Biotechnology, Chemistry and Pharmacy (DBCF)		
Duration	3 years		
Total number of positions	25 Candidates can apply to more than one position		
of which:			
Positions with scholarships funded by the University of Siena	n. 3	No research topic restrictions	
Positions with scholarships funded by DBCF	n. 1	Department of Biotechnology, Chemistry and Pharmacy - Progetto Dipartimento di Eccellenza 2018-2022	No research topic restrictions
	n.1	Department of Biotechnology, Chemistry and Pharmacy - Progetto AIRC ID 20758 - Prof. Taddei	No research topic restrictions
Positions with scholarships funded by external bodies		Funding body	
	n. 4	Regione Toscana / Pegaso 2020 FSE scholarship - (6 months to be spent abroad)	Tema di ricerca vincolato-borsa n.1: Role of sulfate proteoglycan in cancer Tema di ricerca vincolato-borsa n.2: Lipids as epigenetic modulators in tumor microenvironment Tema di ricerca vincolato-borsa n.3: Synthesis and development of new antioxidant molecules with high bioavailability Tema di ricerca vincolato-borsa n.4: Development of biomarkers of cardiometabolic diseases and their risk progression through 'omics' and

			big data analysis for a precision medicine approach
	n. 4	Regione Toscana / Pegaso 2020 FSE scholarship - (6 months to be spent abroad)	No research topic restrictions
	n. 1	CNR/Food Contact Center S.r.l.	No research topic restrictions
	n. 4	Toscana Life Sciences Foundation	No research topic restrictions
	n. 1	AchilleS Vaccine S.r.l.	No research topic restrictions
Positions reserved for graduate students at foreign universities	0		
Positions reserved for foreign scholarship holders	0		
Positions reserved for scholarship holders within international mobility projects	0		
Positions reserved for research fellows	0		
Positions without a scholarship	n. 4		
Positions reserved for employees engaged in highly qualified activities (with retention of salary)	n. 1 Toscana Life Sciences Foundation		
	n. 1 SetLance		
Type of ranking	X ONE RANKING LIST FOR POSITIONS WITH NO RESEARCH TOPIC RESTRICTIONS X ONE RANKING LIST FOR EACH POSITION WITH A DEFINED TOPIC X ONE RANKING LIST FOR EACH POSITION RESERVED TO EMPLOYEES OF COMPANIES ENGAGED IN HIGHLY QUALIFIED ACTIVITIES		
Documents required for evaluation (to be provided along with mandatory documents through the online procedure)	Curriculum vitae et studiorum that must be signed pursuant to Presidential Decree 445/2000 with the following information: <ul style="list-style-type: none"> • applicant's personal data • admission qualification already obtained (or to be obtained by October 31, 2020) in Italy (indicating type of Master Degree (<i>Vecchio ordinamento/Laurea Specialistica/Laurea Magistrale</i>); name of the Degree course); • admission qualification already obtained (or to be obtained by October 31, 2020) abroad (indicating type of the Degree - Bachelor's Degree / Master's Degree, length of at least four years); • University that issued (or will issue) the title • list of exams with grades - only for qualifications obtained in Italy 		

	<ul style="list-style-type: none"> • date of graduation and final grade, or expected date of graduation (by October 31 2020) • possible list of publications • language, technical and computer skills • other skills and competences • any other communication by the applicant <p>Applicants who have obtained (or will obtain by October 31 2020) the foreign academic qualification (lasting at least four years) must also submit online:</p> <ul style="list-style-type: none"> • transcript - certificate of the title with list of exams and grades – translated into Italian or English; • Diploma supplement (if available). <p>All applicants must also submit through the online procedure: Research project (in English) that will be discussed by the applicants during the interview (This research project is not binding on the research activity that will be carried out during the PhD course) ;</p> <ul style="list-style-type: none"> • Level B2 English knowledge certificate (if acquired); <p>copy of any other document useful to support the admissibility of the qualification title</p> <p>The compliance of the foreign qualification is verified by the Examining Board in accordance with the relevant laws and international agreements concerning the recognition of qualifications for the purpose of continued education Knowledge of English at level B2, if not certified, will be ascertained by the Examining Board.</p>
In-depth website	https://www.dbcf.unisi.it/it/didattica/post-laurea/dottorati-di-ricerca
Selection method	Evaluation of qualifications, Interview in English
Access requirement	All master's Degrees
Methods of conducting the tests	<p>Minimum score for admission 60/100.</p> <p>Evaluation of qualifications. Presence of applicants is not allowed during the evaluation procedure Score min / max. 0-20 (/ 100)</p>

	Interviews: presentation (duration 10-15 minutes) and discussion of the research project to be conducted in English. Interviews can be done via videoconference Score min / max. 48 - 80 (/ 100)
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Any increase in the number of scholarships or integration of this decree shall be notified through publication of the related acts on the [36th cycle](#) webpage, under the relevant doctoral programme.

ART. 2 - ADMISSION REQUIREMENTS

2.1. All those holding the following academic qualifications, without age or nationality restrictions, may apply for admission to the doctoral programme: *Diploma di Laurea* awarded prior to Ministerial Decree 509/99 or *Laurea Specialistica* awarded pursuant to Ministerial Decree 509/99 or *Laurea Magistrale* awarded pursuant to Ministerial Decree 270/04 or equivalent academic qualification awarded abroad. The qualification awarded abroad must be comparable for level, nature, duration, content and academic rights (access to other courses) to the Italian qualification, and must have been declared equivalent by the appropriate academic authorities, also within the framework of interuniversity agreements for cooperation and mobility. In this case the applicant must indicate, as the date in which the qualification was awarded, the date in which the equivalence was recognized and the name of the Italian University that issued the provision. In the absence of said equivalence, the suitability of the foreign qualification shall be ascertained by the Selection Committee, also on the basis of indications provided by the appropriate University offices and pursuant to current applicable legislation in Italy and in the country in which it was awarded, as well as existing international agreements regarding the recognition of qualifications for continuing studies.

2.2. All those holding the qualification required for admission to the doctoral programme by 31 October 2020 may apply.

2.3. The university administration can at any time, through reasoned provision, exclude the candidate from the selection procedure should it be found that he/she does not meet the requirements for admission, as set out in this notice.

Academic qualification awarded abroad

The academic qualification completed abroad, of at least four-year duration, must be a second cycle degree pursuant to the university regulations in the country in which it was awarded and must allow admission to doctoral programmes in that country.

Applicants with academic qualifications awarded abroad must attach the following to the online application: certificate of the academic qualification with the list of examinations and marks (a transcript of records) - in Italian or English, or translated into Italian or English and a copy of any document of use in evaluating the suitability of the qualification (e.g. Diploma supplement, curriculum, Declaration of Value). Candidates may at any time be called upon to integrate the documentation submitted in order to verify that they meet the admission requirements.

Candidates holding a foreign academic qualification are admitted to the selection procedure with reserve and may be excluded from the doctoral programme should it be found that they do not meet the admission requirements of this call for applications. Successful applicants must submit the documentation under art.

5.

The university administration may exclude applicants at any time on the grounds of ineligibility.

ART. 3 - APPLICATION

Applications may be submitted online starting at 10am (Central European Time) on 25 June 2020 and no later than 2pm (CET) on 24 July 2020 using the special on-line application procedure available at <https://segreteriaonline.unisi.it>. Follow the tutorial and application instructions for the relevant doctoral programme available at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo>. Candidates must follow the relevant steps in the tutorial and the “application instructions”, depending on whether or not they are already registered on the <https://segreteriaonline.unisi.it> portal and therefore on whether or not they hold the login credentials.

The “Documents requested for assessment” indicated in the specific table (under art. 1 of the call for applications for admission to the doctoral programme) must be uploaded through the online procedure as PDF files.

As confirmation that the application has been registered, an automatic “Application memo” will be issued. The application form is automatically sent to the University when the procedure at <https://segreteriaonline.unisi.it> has been completed. Applicants are therefore not required to send or deliver documentation to the University offices.

Candidates may apply to more than one selection procedure.

ART. 4 ADMISSION EXAM AND SELECTION COMMITTEE

4.1. The exam dates and composition of the selection committee shall be published on the webpage <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> (select the Doctoral Research programme of interest) at least 15 days before exams take place. Publication serves as official notification, and **candidates shall receive no personal communication, nor notifications regarding exams.**

4.2. The exams, which aim to assess the candidate's aptitude for scientific research, will take place as indicated in the specific table of each doctoral programme. To sit the exam, candidates must show the valid identification document (ID card, passport, driver's license) uploaded during the application process. Considering the current health emergency, interviews may be conducted online using GMeet. Procedures shall be indicated on the webpage <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> under the individual doctoral research programmes. In this case, candidates must use a webcam to enable identification by the Selection Committee, be available at the personal address indicated during the registration procedure, on the day of the oral exam, in accordance with the calendar indicated in the programme details sheets. The Committee may set a specific time for the start of the interview, in agreement with the candidate.

For identification purposes and, on pain of exclusion from the selection procedure, candidates must identify themselves before interview by showing the identity document which was sent in annex to the application.

Failure to provide a personal address, to connect online, to present on the day or at the agreed time, or failure to present a valid identity document pursuant to the previous paragraph constitutes **cause for exclusion from the selection procedure.**

The University declines all responsibility for any technical difficulties that may hinder the regular completion of the interview process.

Interviews, even those held remotely, are open to the public.

4.3. The selection committee shall consist of at least three members of the permanent teaching staff, and

may comprise up to two experts, even foreign ones, selected from institutes and public or private research centres. It shall be nominated by the Rector, after approval by the Academic Board. The evaluation criteria are established ahead of time by the Selection Committee in a plenary session.

4.4. The administration cannot be held responsible for any lack of communication due to an error in the address indicated by the candidate or failure to notify the administration in due time of a change in the address indicated in the application form, nor for any postal errors or telegraphic malfunctions that are not attributable to the University Administration itself.

ART. 5 – RANKING AND ENROLMENT

5.1. The Rector's Office shall approve the selection acts and rankings and shall issue a decree regarding the admission of candidates.

The merit ranking of suitable applicants and the winners (with or without a scholarship) shall be published at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> under the relevant doctoral programme.

Position in the ranking is based on the candidate's total score after assessment of the CV, qualifications, the project and any tests; in the case of equal merit, preference will be accorded to the youngest candidate. Places shall be assigned in accordance with the merit ranking.

Publication serves as official notification. **Winners shall receive no personal communication regarding the final ranking.**

Should candidates position themselves suitably in more than one doctoral research programme ranking, they must choose one programme only.

The doctoral programme has a three year duration and begins 1 November 2020.

5.2. **Winners with or without a scholarship must enrol, on pain of forfeiture, within the time frame published at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> under the relevant doctoral research programme.**

Should successful applicants fail to enrol or forfeit their place, the next person in the ranking shall be admitted. The table below reports the dates on which waitlisted applicants may be awarded a place due to ranking adjustments:

	PUBLICATION DATE	DEADLINE FOR ENROLMENT
I RANKING ADJUSTMENT	5 OCTOBER 2020	BY 1pm on 7 OCTOBER 2020
II RANKING ADJUSTMENT	12 OCTOBER 2020	BY 1pm on 14 OCTOBER 2020
III RANKING ADJUSTMENT	19 OCTOBER 2020	BY 1pm on 21 OCTOBER 2020

The list of replacement candidates is notified through the same procedure adopted for the final ranking.

Should the candidate forfeit his/her place or fail to enrol, the next candidate in the ranking list shall be assigned a place in accordance with the dates indicated above. After these deadlines, in any case no later than 31 December, adjustments are possible only after approval by the academic board.

5.3. Students cannot simultaneously enrol on first or second cycle degree programmes, postgraduate schools, doctoral programmes or university Masters, even where allowed under their respective regulations.

For other forms of incompatibility not mentioned herein, please refer to the current regulations.

5.4. Simultaneous attendance is permitted only in the case of a postgraduate school in the area of medicine and a doctoral research programme. For those enrolled in both programmes, the duration of the doctoral programme shall decrease to a minimum of two years (art. 19, Law n. 240/2010) in accordance with the following general criteria:

- a) The postgraduate student must have been awarded a place in the doctoral programme at the same university in which he/she is attending postgraduate school.
- b) Simultaneous attendance may be arranged during the last year of postgraduate studies and must be compatible with the activities and duties of the Postgraduate School, subject to approval by the School's council.
- c) the doctoral programme's academic board may approve any request for reduction after assessing research activities already completed during postgraduate specialization in the area of medicine, as certified by the school's council.
- d) During the year of simultaneous attendance, the specializing postgraduate student cannot receive a doctoral scholarship.

5.5. Winners (with or without a scholarship) must submit their request for enrolment, **no later than the deadline indicated under par. 5.2 using the dedicated online enrolment procedure** available at <https://segreteriaonline.unisi.it> following the “enrolment instructions”, the tutorial available at www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo and attaching all the documentation indicated in the page above.

5.6. Enrolment is confirmed on payment of fees through the **PagoPA system** (art. 5 of Code for Digital Administration and Legislative Decree 179/2012).

An enrolment receipt may be printed out at the end of the online procedure.

Successful applicants who do not complete the procedures above by said deadlines shall be considered to have withdrawn.

Enrolment is conditional, pending verification that the student meets programme admission requirements.

ART. 6 – DOCTORAL STUDENTS IN RECEIPT OF PEGASO SCHOLARSHIPS

In order to assign the three-year scholarships funded by the Regione Toscana within the framework of the Pegaso Projects, candidates must also meet the following requirements. They must:

- a) comply with the provisions established through executive decree for the awarding of Pegaso Scholarships for doctoral research students – year 2016 - POR FSE 2014/2020 (art. 8) and by the Agreement between the Regione Toscana and the University of Siena, in particular:
- b) be no more than 35 years old at the time of application;
- c) have at least level B2 proficiency in the English language;
- d) be willing to spend periods of study and research abroad for at least 6 months within the course of the three-year programme, for at least 12 months in the case of international grants, and to be aware that failure to complete the period abroad shall lead to forfeiture of the entire scholarship;
- e) be willing to complete at least 3 months of practical training/research in a company, public institution, a public research body, or other non-university public institution;
- f) be willing to complete soft skills training through courses that shall be organized during the three-year doctoral programme, in particular to develop:

- language skills: enhance proficiency in English or in another foreign language;
 - computer skills: deepen knowledge of the main information systems, also specialistvd8 8uyy7à5;
 - research management skills: regulations for promoting and disseminating scientific research, protection of intellectual property and patenting procedures, both national and international;
- g) draft the doctoral dissertation in Italian or English (should most of the scientific literature in the field be in English or another foreign language), and in any case an abstract in both Italian and English; digital versions of the doctoral dissertations must be filed in the e-repository, in accordance with “CRUI guidelines for filing doctoral dissertations in open archives”;
- h) undertake to draft an annual and final report on training and research activities and on the degree of satisfaction. Reports must be signed by the scholarship recipient and countersigned by the project leader/ Head of the doctoral programme and must be delivered to the Office for Doctoral Research Programmes in Pian dei Mantellini no. 44, Siena, no later than three days after the deadline;
- i) be aware that the Regione Toscana shall not reimburse the costs of the doctoral scholarship should they withdraw in the first three months of the programme. Therefore, in the case of withdrawal, which must in any case be reasoned, or interruption within the first three months, without having produced any documented results in terms of acquired skills, the University of Siena must ask the student to return any disbursed monthly instalments;
- j) be aware that the cases for suspension from a doctoral programme are those pursuant to legislation, to be notified promptly, with justification, so that the Regione Toscana may be notified within 5 days of the suspension. Other types of suspension are normally not permitted;
- k) be aware that false statements are punishable pursuant to the penal code and applicable specific laws.

ART. 7 – APPLICANTS WITH FOREIGN ACADEMIC QUALIFICATIONS

Candidates who meet application requirements and hold a **foreign academic qualification**, of at least four-year duration, which has **not yet been declared equivalent (*equipollente*) by an Italian university**, must also attach the following, in digital format, to the online application:

- copy of the original degree awarded or certificate of the qualification issued by the awarding university.

In the case of a qualification awarded **outside the EU**, candidates must also submit a copy of the

Declaration of Value issued by the appropriate Italian diplomatic offices abroad. The **Declaration of Value** must clearly indicate that the academic qualification allows access to doctoral programmes in the country where it was awarded.

Should the applicant not have a Declaration of Value, this and the original or authenticated copies of any other useful documentation must be presented to the University of Siena Doctoral Programmes Office (*Ufficio per il dottorato di ricerca*) **within six months from the official start of the programme**.

Candidates who do not submit the documentation relating to the foreign qualification will be admitted to the doctoral programme “conditionally” and will be excluded from the doctoral programme if they do not present the documentation within six months from the official start of the programme. They shall also be excluded if, on assessment of the documents, the qualification does not meet the requirements for admission to the programme.

Should the abovesaid documentation not be submitted or not certify the validity of the qualification for accessing academic programme similar to a PhD (*Dottorato di ricerca*) in the country in which it was awarded, the candidate forfeits his/her place and must return any doctoral scholarship disbursements.

ART. 8 – NON-EU APPLICANTS

Non-EU applicants who are eligible for enrolment will be admitted to the programmes provided that they

comply with the current provisions concerning entry and stay in Italy and are legally residing in Italy (art. 39, par. 5 of Legislative Decree no. 286 dated 25.07.1998, as modified by art. 26 of Law no. 189 dated 30 July 2002). They must therefore deliver a copy of their valid passport and residence permit issued by the competent authorities. If resident abroad, instead, they must provide a copy of the passport, of the entry visa and a copy of the residence permit for study purposes issued by the competent *Questura* (Police Authority).

ART. 9 - SCHOLARSHIPS

The annual scholarship amounts to Euro 15,343.00 and is subject to INPS social security contributions to the separate national insurance and pension scheme (*gestione separata*).

In the case of scholarships funded by bodies external to the university, public or private, the scholarship shall be awarded only in the presence of the corresponding funding.

Scholarships for undertaking specific research activities, bind the recipient to conducting said activity and to respect any requests.

The scholarship covers the entire duration of the programme and shall be paid out in deferred monthly instalments. Should the doctoral student forgo the scholarship or withdraw from the doctoral programme, the University shall interrupt scholarship payments.

The scholarship is not compatible with other grants of any kind, except those awarded by national or foreign institutions to supplement the recipient's training or research activity.

Those who have already been in receipt of a scholarship, even in part, for attending a doctoral programme cannot receive one a second time.

ART. 10 - UNIVERSITY FEES

10.1. At the time of enrolment, doctoral students without scholarship must pay the annual Regional tax amounting to € 140 and the € 16 virtual stamp duty.

Doctoral students in receipt of a scholarship must pay the annual university fee of € 340.00, the DSU (Right to University Study) Regional Tax amounting to € 140, as well as a € 16 virtual revenue stamp, to be paid at the time of enrolment.

10.2. Students with certified disability greater or equal to 66% are exempt from payment of university fees and the regional tax.

ART. 11 - DUTIES OF DOCTORAL STUDENTS

The doctoral programme entails exclusive, full-time commitment. Students are required to diligently carry out the activities related to the approved research project and to submit to the Academic Board, at the end of each year, a report on the activities and research performed and, at the end of the programme, a dissertation with original contributions.

Following the evaluation of activities performed by the student, the Academic Board of the doctoral programme shall decide on the admission of the doctoral student to the subsequent year. Given a valid reason, the Academic Board also has the authority to exclude candidates from progressing to the following academic year.

ART. 12 – AWARDING OF THE DEGREE

The title of *Dottore di Ricerca* (PhD) is awarded once the doctoral candidate passes the final exam. The

examination consists of an oral exam during which the student will defend his/her dissertation. The Examining Committee is appointed in accordance with the University Regulations governing doctoral programmes. Doctoral dissertations must be filed by the doctoral students themselves, in electronic format, in the University Repository: USiena-air <http://usiena-air.unisi.it/>, to be filed in the national libraries.

ART. 13 - RELEVANT LEGISLATION

For any matters not explicitly covered by this selection announcement, the University shall refer to the following Italian legislation:

- Art. 4 of Law no. 210 dated 3 July 1998;
- Ministerial Decree no. 45 dated 8 February 2013
- [University regulations governing doctoral programmes.](#)

ART. 14 - PROCESSING OF PERSONAL DATA

The University shall process personal data in printed or electronic format for the purpose for which they were requested in accordance with the European Regulation (EU) 2016/679 (General Data Protection Regulation).

ART. 15 - PUBLICATION

This call for applications shall be published at <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo> and advertised online on the University of Siena, Euraxess and Ministry websites. Furthermore, this notice and rankings shall be published on the official University registry at <http://albo.unisi.it>

ART. 16 - FINAL PROVISIONS

The selection procedure manager is Dott. Raffella Todaro, Head of the Doctoral Programmes Office (Ufficio per il Dottorato di Ricerca) at the University of Siena.

The University assumes no responsibility should the Doctoral Research Programme not receive the required authorization for renewing accreditation. Therefore, when applying, candidates shall declare that they are aware of this possibility, thereby freeing the University of Siena from any liability and formally waiving any claims.

Any changes or additions to the contents of this announcement will be published on the website <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-xxxvi-ciclo>