



UNIVERSITÀ
DI SIENA
1240



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UFFICIO PER IL DOTTORATO DI RICERCA

Disclaimer: This document is a non-official version of the PhD programme selection notice meant to provide information in English – only the Italian version approved with Rectoral Decree n. 2293/2022, Prot. N. 217234 of 24/10/2022 shall be legally binding.

Second notice for application for admission to PhD programmes of the University of Siena, 38th cycle, academic year 2022/2023

THE RECTOR

Applicable Laws and Regulations available only in the Italian official version of the notice

DECREES

1. A public selection is open for admission to doctoral research courses at the University of Siena for academic year 2022/2023 for a total of 44 further positions, as summarized in the following table:

	Dottorato					Totale posti
		With scholarship	DM 351 scholarship	DM352 scholarship	Without scholarship	
1	Biochemistry and Molecular Biology BiBiM 2.0	4				4
2	Medical Biotechnologies	6				6
3	Chemical and Pharmaceutical Sciences	3				3
4	Genetics, Oncology and Clinical Medicine (GENOMECC)	2		2	1	5
5	Information Engineering and Science	6		2		8
6	Translational and Precision Medicine	5		1		6
7	Life Sciences	7			1	8
8	Environmental, Geological and Polar Sciences and Technologies	3				3
9	Legal Sciences		1			1
	<i>Totale</i>	36	1	5	2	44

Selection notice for doctoral research courses – deadline for applications 11 November 2022 (14:00)

Art. 1 - Subject

1. The University of Siena announces a selection procedure for admission to the doctoral courses for academic year 2022/23, 38th cycle. The open positions (as summarized in the above table) and the selection procedures for the doctoral courses are indicated in the 9 (nine) annexes which are an integral part of this notice.
2. All specific information for the positions announced, including the research topic, and the selection procedures are outlined in the attached schedules (Annex 1 - Annex 9), which constitute an integral part of the notice.
3. The duration of the doctoral course is 3 years, beginning from 1 January 2023.

Art. 2 – Admission requirements

1. Applicants holding at least one of the following academic qualifications, obtained by 31 December 2022, may apply for admission, without age or citizenship restrictions:
 - *Diploma di Laurea* conferred by an Italian university before D.M. 509/1999 or
 - *Laurea Specialistica* conferred by an Italian university according to D.M. 509/199 or
 - *Laurea Magistrale* conferred by an Italian university according to D.M. 270/2004 or
 - academic degree conferred by a foreign University, comparable for level, nature, duration, content and academic rights (access to doctoral courses) to the Italian master's degree. In this case a "statement of comparability" (*dichiarazione di equipollenza*) by competent academic authorities, including the context of inter-university cooperation and mobility agreements, is required and in the application for admission the candidate must indicate the date of issue of the statement of comparability as date of the achievement of the title and the Italian university that has issued it. If no statement of comparability has been issued, yet, the eligibility of the qualification is ascertained by the selection committee, also on the basis of the indications of the competent office of the University in compliance with the law in force in Italy and in the country where the title was awarded and international treaties or agreements in the field of recognition and qualifications for the continuation of studies.
2. The attached schedules to this notice indicate any specific master's degrees required by individual doctoral courses.
3. The academic qualification awarded abroad, lasting at least 4 years, must be qualified second level according to the university system of the country in which it was obtained and allow access to doctoral courses. Candidates with foreign academic qualifications must attach the following documentation to the online application: certificate of title with list of exams and grades (transcript) in Italian, English or French, or translated into Italian, English or French and a copy of any other document deemed useful for the assessment of eligibility of the qualification (*e.g.* Diploma supplement, curriculum, Declaration of value - *Dichiarazione di valore in loco* or Statement of comparability and verification of qualifications through the CIMEA DiploMe portal, for further details see art. 5, point 7). The candidate may be asked at any time to integrate the submitted documentation in order to verify eligibility. Candidates with a foreign academic qualification are admitted to the selection under condition. If admitted for matriculation, they must deliver the documentation indicated in article 5, paragraph 8. If, after verification, the qualification does not comply with the requirements of this notice, the candidates will be excluded from the doctoral programme.
4. The University administration may, at any time, with a motivated decision, exclude candidates for a lack of the requirements indicated in this notice.
5. Applicants for positions covered by apprenticeship contracts, as per article 45 of Legislative Decree 81/2015, may not be aged over 29 years at the time of contract stipulation.

Art. 3 – Application

1. Applications must be submitted, from 25 October 2022 on, and **by the peremptory deadline of 14:00 hrs (Central European Summer Time - CEST) of 11 November 2022** through the online platform at <https://segreteriaonline.unisi.it>. Instructions for the online application procedure are available in the section "How to apply to PhD positions" on the University of Siena webpage "*Informazioni per dottorandi e dottori di ricerca*" on (at the time of the notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/informazioni-dottorandi-e-dottori-di-ricerca>).
2. The documents required for evaluation indicated in the annexes must be uploaded to the telematic system in PDF format, with the exception of the reference letter/s. If reference letters are required, the email of the lecturer/s who will submit the letter directly on-line must be indicated.
3. The "Selection application reminder" (*Promemoria domanda di partecipazione selezione*) will be automatically issued to confirm that the application has been registered successfully. When closing the

procedure on the online platform <https://segreteriaonline.unisi.it> the application is automatically forwarded to the University of Siena. Applicants are therefore not required to send or deliver any documentation to the University offices.

4. Candidates may apply for more than one position, following the on-line procedures as of paragraph 1. If in a useful placement in more than one ranking list, candidates must opt for only one position.

Art. 4 – Selection examinations and admission

1. The dates of examinations and the composition of the selection committee, responsible for the evaluation of the candidates, will be published on the reference pages of the related doctoral course on the website of the University of Siena (at the time of publication of this notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo>) usually at least 15 days before the date of the exam. This publication is to be considered an official convocation. **Candidates will not receive any personal convocation nor communication related to the examinations.**
2. The composition of the selection committee in charge of evaluating the candidates will be published on the reference pages of the relevant doctoral course on the University of Siena's website (at the time of publication of the notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo>) upon the expiration of the notice.
3. The examinations, aimed at assessing the candidate's aptitude for scientific research, will take place as indicated in the attached annexes. To take part in the examinations, candidates must present the valid identification document (ID card, passport) uploaded during the application process. Considering the current health emergency, interviews may be conducted on an online platform. Details on the modality will be communicated on the reference pages of the doctoral course on the website of the University of Siena (at the time of publication of this notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo>). In this case, the candidate must ensure the use of a webcam to allow his/her identification to the selection committee, be available at the registered personal address during the registration on the day indicated for the oral exam. The selection committee may agree with the candidates on a precise timetable for the start of the interview. For the purpose of identification each candidate shall be required, before the interview begins, to identify himself/herself, showing the same identity document submitted during the application procedure. Failure to communicate the personal address, failure to connect, the unavailability of the candidate on the date or time set or the failure to present a valid identification document, as indicated beforehand, constitute grounds for exclusion from the selection procedure. The University declines any responsibility for technical difficulties that may hinder a regular conduction of the interview. The oral examinations, including those conducted on online platforms, are public
4. The selection committee, appointed by the Rector after consulting the academic board, shall be composed of at least three up to seven members of which at least three tenured professors and not more than two experts, also from foreign countries, selected from public or private research institutions and centres. The evaluation criteria of the examinations are established in advance by the selection board in plenary session.

Art. 5 – Ranking lists and enrolment

1. The Rector will approve the selection acts and rankings and issue a decree regarding the admission of candidates. The ranking of eligible applicants and winners of positions will be published on the reference pages of the doctoral course on the website of the University of Siena (at the time of publication of this notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo>) **by 28 November 2022**. The ranking is based on the candidate's total score in the evaluation of the CV, titles, research project, and any test.
2. In the event of equality of merit, the youngest candidate shall prevail.
3. The positions will be assigned based on the ranking of merit. The publication of ranking lists has the value of official notification. **Winners will not receive any personal communication regarding their final**

ranking. In case of useful placement in more than one ranking list of different doctoral research programmes, the candidate must opt for only one position.

4. Winners must enrol, under penalty of forfeiture, **by 10:00 hrs (CEST) of 5 December 2022**. Only if there are still positions available, due to non-enrolment or explicit waiver by entitled persons, the ranking list will be scrolled. The terms for scrolling are indicated in the following table:

	<i>Date of publication</i>	<i>Peremptory deadline for enrolment</i>
Ranking lists	by 28 November 2022	By 10:00 hrs (CEST) of 5 December 2022
Scrolling	9 December 2022	by 10:00 hrs (CEST) of 14 December 2022

The list of replacement candidates is notified through the same procedure adopted for the final ranking; **no personal communications will be sent to the candidates**. Should the candidate renounce to his/her position or fail to enrol, the next candidate in the ranking list shall be assigned a position in accordance with the dates indicated above. After these deadlines, and in any case no later than 31 December 2022, replacements are possible only after approval by the academic board of the doctoral course.

5. In case of joint attendance of a medical specialization course and a doctoral research course the duration of the doctoral course is reduced to a minimum of two years (art. 19, Law n. 240/2010) in compliance with the following general criteria:
- The postgraduate student must have been awarded a place in the doctoral course at the same university in which he/she is attending postgraduate school.
 - Joint attendance may be arranged during the last year of the Specialization school and must be compatible with the activities and duties of the school, subject to approval by the school's council.
 - The academic board of the doctoral course may approve any request for reduction after assessing research activities already carried out during the medical specialization course, as attested by the school's council.
 - During the year of joint attendance, the specializing postgraduate student cannot receive a doctoral scholarship
6. Winners must submit their request for enrolment no later than the deadline indicated under paragraph 4, using the dedicated online enrolment procedure available at <https://segreteriaonline.unisi.it>, following the instructions in section "How to enrol in the first year" on the University of Siena internet page "*Informazioni per Dottorandi e Dottori di ricerca*" (at the time of the notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/informazioni-dottorandi-e-dottori-di-ricerca>).
7. Candidates who 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 to the online application copy of the original degree awarded or certificate of the qualification issued by the awarding university in digital format. 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. Candidates who do not submit the documentation necessary for foreign qualification at the moment of enrolment will be admitted to the doctoral course "under condition" and will be excluded if they do not present the required documentation within six months from the official start of the doctoral course. They shall also be excluded if, on assessment of the documentation, the qualification does not meet the requirements for admission to the programme. As an alternative to the Declaration of Value and/or Diploma Supplement, the University of Siena accepts and prefers the **Statement of comparability and verification of qualifications by CIMEA**. To benefit from this service, candidates interested can register for free through the CIMEA DiploMe platform via the following link dedicated to the University of Siena: <https://cimea.diplo-me.eu/unisi/#/auth/login>.
8. Non-EU applicants who are eligible for enrolment will be admitted to the courses 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 submit 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 police authority (*Questura*).

9. Enrolment is confirmed upon payment of the *Tassa Regionale di Diritto allo Studio Universitario* (DSU; Regional Fee for the Right to University Study) (€140,00) and the virtual stamp duty (€16,00) 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.
10. Those admitted who do not comply with the above requirements within the above peremptory deadlines shall be considered *ipso iure* to have resigned.
11. Final enrolment completion is conditional on verification that the course access requirements have been met. Until that time, enrolment is intended to be conditional.

Art 6 – Scholarship allocation

1. The academic board of the doctoral course allocates the scholarships in compliance with the ranking order.
2. In case of waiver or failure to enrol by the winner of a scholarship, the scholarship will be allocated by scrolling the ranking list.
3. Scholarships which are dedicated to a specific research activity, bind the recipients to carry out such activity and to the respect of what is required.
4. All DM 351/2022 and DM 352/2022 scholarships require mandatory study and research periods abroad of a minimum of 6 (six) months.
5. The DM 351/2022 scholarships on the thematic of digital and environmental transitions, public administration and cultural heritage and the DM 352/2022 scholarships require mandatory study and research in enterprises or research centers of a minimum of 6 (six) months.
6. Those who have already received, even partially, a scholarship for the attendance of doctoral courses or equivalent courses at the University of Siena or other Italian universities, cannot benefit from another doctoral scholarship.
7. Should a scholarship winner with a foreign academic qualification not submit the necessary documentation (as of art. 5, paragraph 7) or the submitted documentation not attest the validity of the qualification for an academic course similar to a PhD (*Dottorato di ricerca*) in the country of achievement, the candidate loses his/her position and must return any doctoral scholarship disbursements.
8. The annual amount of the scholarship is Euro 16.243,00, eligible for the INPS separately managed social security contribution. The duration of the scholarship is equal to the entire duration of the course and will be paid in deferred monthly instalments. If the doctoral student renounces to the scholarship or the continuation of the course, the University will interrupt payment of the scholarship.
9. The doctoral scholarship may not be combined with any other scholarship, except those awarded by national or foreign institutions to supplement training or research activity of the scholarship holder.
10. In the case of a scholarship financed by public or private external bodies, the scholarship will only be allocated if the financier has actually paid the corresponding amount to cover the scholarship.

Art. 7 – Fees and contributions

1. Doctoral students benefitting from a scholarship must pay the annually the DSU (Right to University Study) Tuscan regional tax of € 140,00, the virtual stamp duty of € 16,00, and the university fee of € 340,00 (see Regulations for tuition fees a.y. 2022/2023 of the University of Siena).
2. Doctoral students without scholarship must pay the annual DSU Tuscan regional tax of € 140,00 and the virtual stamp duty of € 16,00.
3. Students with certified disability greater than or equal to 66% are exempt from payment of university fees and the DSU Tuscan regional tax.

Art. 8 – Duties of doctoral students

1. The admission to the doctoral course entails exclusive, full-time commitment.
2. Doctoral students are required to carry out activities related to the approved research project. At the end of each year, doctoral students are required to submit a report on their activities and research to the academic board for the purpose of admission to the following year. If there is a valid reason, the academic board has the authority to exclude candidates from admission to the following academic year.
3. The education and training courses related to the DM 351/2022 scholarships include:
 - a. a mandatory period of research study abroad of a minimum of 6 (six) months
 - b. for the topics digital and environmental transitions, public administration and cultural heritage a mandatory period of study and research in an enterprise of a minimum of 6 (six) months.
4. The education and training courses related to the DM 352/2022 scholarships:
 - a. a mandatory period of research study abroad of a minimum of 6 (six) months
 - b. a mandatory period of study and research in an enterprise of a minimum of 6 (six) months.
5. At the end of the course, doctoral students submit their doctoral thesis with original contributions for the purpose of admission to the final examination.

Art. 9 – Awarding of the degree

1. The title of *Dottore di ricerca* (PhD) is awarded in compliance with the University Regulations governing doctoral courses (see link in following art. 10).
2. Doctoral dissertations must be up-loaded by the doctoral students in electronic format with a digital signature (compliant with Italian legislative decree n. 82 of 7 March 2005 and successive modifications) in the University repository USiena-Air (<http://usiena-air.unisi.it/>), to be filed in the national libraries.

Art. 10 – Relevant legislation

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

- Art. 4 of Law no. 210 dated 3 July 1998
- Ministerial Decree n. 226/2021 of 14 December 2022 (published in G.U. n. 308 del 29.12.2021);
- University regulation governing doctoral courses (at the time of publication of this notice https://www.unisi.it/sites/default/files/allegatiparagrafo/2022_regolamento_dottorato.pdf).

Art. 11 – Processing of personal data

1. The processing of personal data of candidates is carried out by the University of Siena exclusively for institutional purposes and for managing this notice. The information on the processing of the student's personal data can be obtained in the Privacy section of the University Portal (<https://www.unisi.it/ateneo/adempimenti/privacy>).
2. The University undertakes to respect the confidential nature of the data and information provided by the candidate, which will be treated in accordance with EU Regulation 2016/679 on the protection of personal data and Legislative Decree 196/2013 of the Privacy Code, for provisions not incompatible with the Regulation itself. The data controller is the University of Siena, legally represented by the pro-tempore Rector, Prof. Francesco Frati. The candidate can assert his/her rights (articles 15 and following of the EU Regulation) by contacting the Data Controller and writing to pec email rettore@pec.unisipec.it or e-mail segreteria.rettore@unisi.it.
3. The provision of data is mandatory for the management of the relationship between the student and the University (eg. selection, admission, enrolment, university career management, etc.). Any refusal to process data implies the exclusion from the selection.

Art. 12 – Notice advertising

1. This selection notice shall be published on the reference pages of the doctoral course on the website of the University of Siena (at the time of publication of this notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo>) and advertised online on the University of Siena, Euraxess, and Ministry of University and Research webpages.
2. Furthermore, this notice and the rankings of candidates will be published on the official University website at <http://albo.unisi.it>.

Art. 13 – Final provisions

1. The person in charge of the administrative procedure is Jacqueline Irene Muller, Head of the Office for doctoral courses (*Ufficio per il Dottorato di Ricerca*) at the University of Siena.
2. Any changes or additions to the contents of this notice will be published on the reference pages of the doctoral course on the website of the University of Siena (at the time of publication of this notice <https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo>).

Annexes:

- 1 - Schedule for PhD in Biochemistry and Molecular Biology BiBiM 2.0
- 2 - Schedule for PhD in Medical Biotechnologies
- 3 - Schedule for PhD in Chemical and Pharmaceutical Sciences
- 4 - Schedule for PhD in Genetics, Oncology and Clinical Medicine (GENOMECC)
- 5 - Schedule for PhD in Information Engineering and Science
- 6 - Schedule for PhD in Translational and Precision Medicine
- 7 - Schedule for PhD in Life Sciences
- 8 - Schedule for PhD in Environmental, Geological and Polar Sciences
- 9 - Schedule for PhD in Legal Sciences

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 1

PhD in	Biochemistry and Molecular Biology -BiBiM 2.0 Administrative seat Università degli Studi di Siena - in convenzione con Università degli Studi di Firenze, Università di Pisa e CNR/IFC
Coordinator	Lorenza Trabalzini (lorenza.trabalzini@unisi.it)
Department	Biotechnologie, Chimica e Farmacia (DBCF)
Open positions	4

	n.	Funding institutions	Research topics
Positions with scholarships			
A.	1	Ateneo/PNRR CN3 National Center for Gene Therapy and Drugs based on RNA Technology – Affiliato Spoke 5 CUP B63C22000610006	Smart lipid Nanocarriers design (referente scientifico Jlenia Brunetti)
B.	1	Ateneo/PNRR THE (Tuscany Health Ecosystem), ECS00000017, Affiliato Spoke 6, CUP B63C22000680007	Multi- and inter-disciplinary development of a Precision Medicine Ecosystem (referente scientifico Annalisa Santucci)
C.	1	Ateneo/PNRR THE (Tuscany Health Ecosystem), ECS00000017, Affiliato Spoke 7, CUP B63C22000680007	Development of a neutralizing antibody to CD93 for antiangiogenic therapy. (referente scientifico Maurizio Orlandini)
D.	1	Ateneo/PNRR THE (Tuscany Health Ecosystem) ECS00000017, Affiliato Spoke 7, CUP B63C22000680007	Selection and development of Sclerostin peptide inhibitors for bone regeneration (referente scientifico Luisa Bracci)

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking list for each position (A-D)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications Research project (max. 3 pages) Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian or English (max. 1 page) English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ol style="list-style-type: none"> University issuing the title type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university (with a duration of at least four years) must specify in their curriculum:</p> <ol style="list-style-type: none"> University issuing the title type of degree (min. duration four years) – <i>Bachelor's degree/Master's degree</i> date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> transcript – certification of the title with the list of exams and votes – with a translation in Italian or English

	<ul style="list-style-type: none"> • Diploma supplement (if available).
Sito web di approfondimento	https://www.dbcf.unisi.it/it/didattica/post-laurea/dottorati-di-ricerca
Selection modalities	Evaluation of qualifications Interview in English language
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications: Candidates are not allowed to be present during the evaluation. Up to a maximum of 50 points. Candidates who have passed the evaluation of qualifications with a minimum score of 30 will be admitted to the interview.</p> <p>Interview: presentation (duration 10-15 minutes) and discussion of the research project to be carried out in English. The interview will be conducted via videoconference. Up to a maximum of 50 points. The interview will be considered passed if the candidate obtains the minimum score of 30.</p> <p>The results of each test will be published on the PhD website.</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 15 November 2022.</p> <p>Interview: 18 November 2022, ore 9,00.</p> <p>https://unisi.webex.com/meet/lorenza.trabalzini</p>
Selection committee	The composition of the committee will be published after the deadline for application.

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 2

PhD in	Medical Biotechnologies
Coordinator	Lorenzo Leoncini (lorenzo.leoncini@unisi.it)
Department	Biotechnologie Mediche DBM
Open positions	6

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem, ECS00000017, Affiliato Spoke 3 CUP: B63C22000680007	Additive Manufacturing for Advanced customized medical devices (referente scientifico: Cecilia Goracci)
B.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem, ECS00000017, Affiliato Spoke 9 CUP: B63C22000680007	Developing sensor systems for surgical and medical instruments (referente scientifico: Guido Gabriele)
C.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem, ECS00000017, Spoke 6, CUP: B63C22000680007	Tumor microenvironment in lymphomas (referente scientifico: Stefano Lazzi)
D.	2	Ateneo/PNRR progetto INF-ACT "One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases, CUP B63C22001400007	Characterization of candidate small molecule antivirals and antibodies as inhibitors of virus replication (referente scientifico Maurizio Zazzi)
E.	1	Ateneo/PNRR progetto INF-ACT "One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases, CUP B63C22001400007	Identification and metagenomics of novel and emergent viruses transmitted by arthropods (referente scientifico Prof.ssa Cusi)

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking for each position (A-E)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications Research project (max. 3 pages in English) Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian or English (max. 1 page) English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p><u>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university</u> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ol style="list-style-type: none"> University issuing the title type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p><u>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university</u> (with a duration of at least four years) must specify in their curriculum:</p> <ol style="list-style-type: none"> University issuing the title type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> date of obtaining the title and final vote or expected date of obtaining the title (by 31

	<p>December 2022).</p> <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	https://www.dbm.unisi.it/it/didattica/post-laurea/dottorati
Selection modalities	<ul style="list-style-type: none"> • Evaluation of qualifications • Oral examination
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications: minimum score 20 points, maximum score 40 points. A minimum of 20 points is required for admission to the oral examination.</p> <p>Oral examination: minimum score 40 points, maximum score 60 points. The examination will consist of the candidate's presentation of his or her research project in English. English language abilities will be assessed during the test. The presentation should ideally be completed in 7 minutes, but may last up to a maximum of 10 minutes.</p> <p>The results of each test will be published on the PhD website.</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 15 November 2022</p> <p>Oral examination: 18 November 2022, 9:00 Complesso Didattico del Policlinico le Scotte</p>
Selection committee	The composition of the committee will be published after the deadline for application.

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 3

Phd in	Chemical and Pharmaceutical Sciences
Coordinator	Maurizio Taddei <maurizio.taddei@unisi.it>
Dipartimento	Dipartimento di Biotecnologie, Chimica e Farmacia DBCF
Posti da bandire	3

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	3	Ateneo/PNRR National Biodiversity Future Center NBCF, CN00000033, Spoke 3, CUP B63C22000650007	Developing low-cost instruments for freshwater quality monitoring (referente scientifico Steven Arthur Loiselle)
B.	1	Ateneo/PNRR THE Tuscany Healthy Ecosystem, ECS00000017, Spoke 6, CUP B63C22000680007	Design and synthesis of novel Antibody Drug Conjugates (ADCs) with antitumor activity (referente scientifico: Elena Pericci)
C.	1	Ateneo/ PNRR THE Tuscany Healthy Ecosystem, ECS00000017, Affilato Spoke 4, CUP B63C22000680007	Synthesis and assembly of responsive amphiphiles for targeted diagnostics and drug delivery (referente scientifico: Jack Li-Yang Chen)

Tpe of rankings	Stand-alone ranking list for each position (A-C)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> • Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications • Research project in English language (max. 3 pages) • Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) • Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian, English or French (max. 1 page) • English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ol style="list-style-type: none"> 1. University issuing the title 2. type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; 3. degree course name 4. list of examinations with votes 5. date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university (with a duration of at least four years) must specify in their curriculum:</p> <ol style="list-style-type: none"> 1. University issuing the title 2. type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> 3. date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available).

Web site for further information	https://www.dbcf.unisi.it/it/didattica/post-laurea/dottorati-di-ricerca/dottorato-di-ricerca-chemical-and-pharmaceutical-scienc-0
Selection modalities	Evaluation of qualifications Oral examination with English language test
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications. Candidates are not allowed to be present during the evaluation.</p> <p>A minimum of 20 points is required for admission to the oral test in English; the maximum score is 40 points.</p> <p>Oral examination: the examination is aimed at assessing the basic preparation acquired, the candidate's ability and aptitude for scientific research, and knowledge and skills in subjects related to the themes of the projects.</p> <p>The English language test is concurrent with the oral examination and consists of immediate reading and translation of a scientific text in English. A minimum of 40 points is required to pass the oral examination and English language test; the maximum score is 60 points.</p> <p>The results of each test will be published on the PhD website.</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 17 November 2022</p> <p>Oral examination and English language test: 18 November 2022 ore 9.00 Polo Didattico di San Miniato, Via A. Moro 2, Siena</p>
Selection committee	The composition of the committee will be published after the deadline for application.

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 4

PhD in	Genetica, Oncologia e Medicina Clinica (GenOMeC) Administrative seat Università degli Studi di Siena - in convenzione con Università di Pisa, Università degli Studi di Firenze e CNR/IFC
Coordinator	Francesca Ariani, francesca.ariani@unisi.it
Department	Biotechnologie Mediche DBM
Open positions	5

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	1	Ateneo/PNRR CN3 National Center for Gene Therapy and Drugs based on RNA Technology, CN00000033, Affiliato Spoke 1 CUP: B63C22000610006	Gene editing and rare diseases (referente scientifico Alessandra Renieri)
B.	1	Ateneo/PNRR CN3 National Center for Gene Therapy and Drugs based on RNA Technology, CN00000033, Affiliato Spoke 2 CUP: B63C22000610006	Oncological diseases and advanced therapies (referente scientifico: Francesca Mari)
Positions with DM 352 scholarship			
C.	1	MUR/Regen Lab S.A:	Cell isolation (BM-MSC collection from patient); cell expansion, MSC characterization, loading and analysis of MSCs on Scaffold, system optimization (incorporation of BMP2)
D.	1	MUR/Traguardi Srl	Type 2 Glycogenosis Syndrome
Positions without scholarship			
E.	1	//	No research topic restriction

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking lists for each position (A-G)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications Research project written in English (max. 2-3 pages) and articulated in <i>Background</i> (max 400 words); <i>Aims</i> (max 400 words); <i>Methods</i> (max 300 words) e <i>Expected Results</i> (max 300 words) Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) Thesis abstract of Laurea Magistrale/Specialistica/vecchio ordinamento or equivalent foreign degree translated into Italian, English or French (max. 1 page) English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ol style="list-style-type: none"> University issuing the title type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by

	<p>31 December 2022).</p> <p>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university (with a duration of at least four years) must specify in their curriculum:</p> <ol style="list-style-type: none"> 1. University issuing the title 2. type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> 3. date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	http://genomec.dbm.unisi.it/
Selection modalities	Evaluation of qualifications and curriculum vitae Evaluation of research topic (in English)
Admission requirements	All master's degrees
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications. Candidates are not allowed to be present during the evaluation. Up to a maximum of 65 points.</p> <p>Evaluation of research project. Candidates are not allowed to be present during the evaluation. Up to a maximum of 35 points.</p>
Dates of evaluation and exam(s)	Evaluation of qualifications and research topic: 22 November 2022
Selection committee	The composition of the committee will be published after the deadline for application.

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 5

PhD in	Ingegneria e Scienza dell'Informazione – Information Engineering and Science
Coordinator	Mauro Barni mauro.barni@unisi.it
Department	Ingegneria dell'Informazione e Scienze Matematiche DIISM
Open positions	8

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Affiliato Spoke 10, CUP B63C22000680007	Study and optimization of healthcare pathways in regional healthcare system with the aim of the development of a decision support system to coordinate the different stakeholders on the territory (referente scientifico: Marco Pranzo)
B.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Affiliato Spoke 9, CUP B63C22000680007	Study and development of wearable sensorimotor interfaces for human-robot interaction in assistive and augmentative manipulation scenarios (referente scientifico: Domenico Prattichizzo)
C.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Affiliato Spoke 9, CUP B63C22000680007	Sviluppo di algoritmi di intelligenza artificiale per l'utilizzo di interfacce sensorimotorie in compiti di manipolazione complessi che coinvolgono arti sia biologici che artificiali (referente scientifico: Marco Maggini)
D.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Spoke 6, CUP B63C22000680007	Mathematical modelling, simulation and identification for precision and personalized medicine (referente scientifico: Antonio Vicino)
E.	1	Ateneo/PNRR THE - Tuscany Health Ecosystem Ecosistemi dell'Innovazione, codice ECS00000017, Spoke 6, CUP B63C22000680007	Tecniche di elaborazione di immagini biomediche basate su Deep Learning per la medicina di precisione e la valutazione quantitativa di parametri funzionali (referente scientifico: Alessandro Mecocci)
F.	1	CNR ISTI	Artificial intelligence enhanced location-based systems for innovative environments
Positions with DM 352 scholarship			
G.	1	MUR/Barilla G.e R. Fratelli SpA	Mathematical models and decision support systems for crop planning in agriculture with sustainability and production constraints
H.	1	MUR/Toscana Life Sciences	Characterisation of the protein-protein interaction landscape through Deep Learning approaches and application to monoclonal antibodies

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking lists for each position (A-H)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum (to be signed) containing a statement of the access title held with the issuing institution in addition to a list of publications (if any) Research project (in English, max 4 pages); Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided); Thesis abstract of Laurea Magistrale/Specialistica/vecchio ordinamento or equivalent foreign degree translated into Italian or English; English language certification, level B2, if available (optional) Any other document considered useful for assessing the eligibility of the qualification. <p>Eligibility of foreign degrees (to be translated into Italian or English) is ascertained by the selection committee in accordance with relevant regulations and international</p>

	<p>agreements on the recognition of qualifications for further studies.</p> <p><u>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university</u> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ul style="list-style-type: none"> • University issuing the title • type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; • degree course name • list of examinations with marks • date of title award with final mark or expected award date (no later than 31 December 2022). <p><u>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university</u> (with a duration of at least four years) must specify in their curriculum:</p> <ul style="list-style-type: none"> • University issuing the title • type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> • date of title award with final mark or expected award date (no later than 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and marks – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	http://phdies.ing.unisi.it/
Selection modalities	<p>Evaluation of qualifications and curriculum Evaluation of research project (in English) Interview</p>
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Dates of evaluation and exam(s)	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications and curriculum – up to a maximum of 45 points</p> <p>Evaluation of research project – up to a maximum of 25 points</p> <p>Only candidates who have obtained a score of 40 or more (out of 70) for their qualifications, CV and research project will be admitted to the interview.</p> <p>Interview– up to a maximum of 30 points</p> <p>The interview will be held online via Gmeet on 18 November 2022, from 14.30 to 19.00. The link to the meeting room is: https://meet.google.com/hau-tzaj-dkf The minimum score for eligibility is:</p> <p>Minimum 40, out of 70, for qualifications, curriculum and research project Minimum 15, out of 30, for the interview Minimum 60, out of 100, as overall score.</p> <p>The list of applicants admitted to the interview will be announced via videoconference (https://meet.google.com/hau-tzaj-dkf) on 18 November 2022, at 14:30 (Italian time).</p>
Dates of evaluation and exam(s)	<p>Interview: online via Gmeet (https://meet.google.com/hau-tzaj-dkf) The interview will be held on 18 novembre 2022, dalle 14.30 alle 19.00.</p>
Selection committee	The composition of the committee will be published after the deadline for application.

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 6

PhD in	Medicina Traslazionale e di Precisione
Coordinator	Francesco Dotta <francesco.dotta@unisi.it>
Department	Scienze Mediche, Chirurgiche e Neuroscienze (DSMCN)
Positions	6

	n.	Funding institution(s)	Research topic
Positions with scholarship			
A.	1	Ateneo/ PNRR THE - Tuscany Health Ecosystem codice ECS00000017, Spoke 6, CUP 63C22000680007	Proteomics as a novel tool to identify thyroidectomized patients with tissue hypothyroidism during standard therapy that could potentially benefit from personalized therapy (referente scientifico: Maria Grazia Castagna)
B.	1	Ateneo/ PNRR THE - Tuscany Health Ecosystem codice ECS00000017, Spoke 6, CUP 63C22000680007	A personalized, advanced approach for the management and treatment of patients with Abdominal Aortic Aneurysm (referente scientifico: Gianmarco De Donato)
C.	1	Ateneo/ PNRR THE - Tuscany Health Ecosystem codice ECS00000017, Spoke 6, CUP 63C22000680007	Targeted Biological therapy of autoimmune inflammatory myopathies (referente scientifico Federica Ginanneschi)
D.	1	Ateneo/ PNRR THE - Tuscany Health Ecosystem codice ECS00000017, Spoke 6, CUP 63C22000680007	Tumor-and patient-related factors affecting prognosis and response to multimodality treatments in patients with gastro-intestinal malignancies and peritoneal metastases (referente scientifico Franco Roviello)
E.	1	Ateneo/ PNRR THE - Tuscany Health Ecosystem codice ECS00000017, Spoke 6, CUP 63C22000680007	Patient stratification and precision therapy in type 1 and type 2 diabetes using networks of circulating small RNAs (referente scientifico Guido Sebastiani)
Posti con borsa ex DM 352			
F.	1	MUR/Toscana Life Sciences	Monoclonal antibody use in precision medicine

Tipologia graduatoria	Stand-alone ranking lists for each position (A-F)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> • Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications • Research project (max. 3 pages in English) • Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) • Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian, English or French (max. 1 page) • English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ul style="list-style-type: none"> • University issuing the title • type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; • degree course name • list of examinations with votes • date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign</p>

	<p>university (with a duration of at least four years) must specify in their curriculum:</p> <ul style="list-style-type: none"> • University issuing the title • type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> • date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	https://www.unisi.it/ricerca/dottorati-di-ricerca/dottorati-di-ricerca-38-ciclo
Selection modalities	<ul style="list-style-type: none"> • Evaluation of qualifications and curriculum vitae • Interview
Admission requirements	All masters' degrees
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications and curriculum vitae: Candidates are not allowed to be present during the evaluation. Minimum score 20/maximum score 40</p> <p>Interview: Presentation (duration 10-15 minutes) and discussion of the research project to be conducted in English. The interview may be conducted via videoconference. Minimum score 40/maximum score 60</p> <p>The results of each test will be published on the PhD website.</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 15 November 2022</p> <p>Interview: 21 November 2022</p>
Selection committee	The composition of the committee will be published after the deadline for application.

Second selection notice for doctoral courses of the University of Siena – 38th cycle

Annex 7

PhD in	Scienze della Vita – Life Sciences Administrative seat Università degli Studi di Siena - in convenzione con Università di Pisa e INGV
Coordinator	Massimo Valoti , massimo.valoti@unisi.it
Department	Scienze della Vita DSV
Curricula	Curriculum 1: <i>Biodiversità e Conservazione</i> Curriculum 2: <i>Biologia cellulare, Fisiopatologia e Farmacologia</i>
Open positions	8 – Candidates may apply for more than one research topic.

n.	Funding institution(s)	Research topic
Positions with scholarships		
A.	1 CREA/PNRR National Biodiversity Future Center NBFC, CN00000033, Affiliato Nodo 3, CUP B83D21014060006	Electron and confocal microscopy techniques aimed at plant protection
B.	1 Ateneo/PNRR National Biodiversity Future Center NBFC, CN00000033, Spoke 3, CUP B63C22000650007	<i>Adaptive strategies of large mammals in global change-threatened communities</i> (Acronimo: ADAPT) (referente scientifico Francesco Ferretti)
C.	1 Ateneo/PNRR National Biodiversity Future Center NBFC, CN00000033, Spoke 3, CUP B63C22000650007	<i>Structure and interspecific dynamics in mammalian communities</i> (Acronimo: SIN-COM) (referente scientifico Francesco Ferretti)
D.	1 Ateneo/PNRR National Biodiversity Future Center NBFC, CN00000033, Spoke 3, CUP B63C22000650007	Quantification of the contribution of wetlands and other remnants of naturalness to plant diversity in agricultural landscapes; (AGRINAT) (referente scientifico: Simona Maccherini)
E.	1 Ateneo/PNRR National Biodiversity Future Center NBFC, CN00000033, Spoke 3, CUP B63C22000650007 Ateneo/PNRR	Spatial analysis of plant diversity and habitats in Italian coastal dune ecosystems to identify conservation priorities. (DUNEDIV) (referente scientifico: Simona Maccherini)
F.	1 Ateneo/PNRR National Biodiversity Future Center NBFC, CN00000033, Spoke 3, CUP B63C22000650007	Participatory monitoring (citizen science) for assessing habitat quality and biodiversity of riverine ecosystems (referente scientifico Stefano Loppi)
G.	Ateneo/PNRR THE Tuscany Health Ecosystem, ECS00000017, Affiliato Spoke 7, CUP B63C22000680007	Design of monoclonal antibodies for innovative treatments of emerging infectious diseases (referente scientifico Emanuele Montomoli)
Positions without scholarship		
H.	1 CREA/PNRR National Biodiversity Future Center NBFC CN00000033, Affiliato Nodo 3, CUP B83D21014060006	Monitoring the conservation status of entomofauna in forest environment through traditional and citizen science methodologies

Type of rankings	Stand-alone ranking lists for every position (A-H)
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> • Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications • Cover letter in English: description of motivations for attending the PhD in <i>Scienze della Vita - Life Sciences</i> with any references to the interest in the project(s) for which the candidate intends to apply. The cover letter can be the same for each project. • Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) • Thesis abstract of Laurea Magistrale/Specialistica/vecchio or equivalent foreign degree translated into Italian, English or French (max. 2 pages) • English language certification, level B2, if available (optional)

	<p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p><u>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university</u> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ul style="list-style-type: none"> • University issuing the title • type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; • degree course name • list of examinations with votes • date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p><u>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university</u> (with a duration of at least four years) must specify in their curriculum:</p> <ul style="list-style-type: none"> • University issuing the title • type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> • date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati
Selection modalities	<ul style="list-style-type: none"> • Evaluation of qualifications and curriculum vitae • Interview
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications: Candidates are not allowed to be present during the evaluation. Minimum score for admission to the interview: 20 (maximum 40).</p> <p>Interview: during interview, the willingness to accept the research topic will be ascertained. Minimum score for passing the oral examination: 40 (maximum 60).</p> <p>Candidates admitted to the interview and residing or domiciled in Italy or abroad will be allowed to take the test online via videoconference. The virtual classroom on the Google Meet platform to connect to will be notified on the PhD website: https://www.dsv.unisi.it/it/didattica/post-laurea/dottorati</p> <p>The candidates who are eligible for the interview after the evaluation of qualifications will be convened by the selection committee.</p> <p>The results of each test will be published on the PhD website (see link above).</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 19 November 2022</p> <p>Interview: 23 November 2022, Complesso didattico di San Miniato, Università di Siena</p>
Selection committee	The composition of the committee will be published after the deadline for application.

Annex 8

PhD in	Environmental, Geological and Polar Sciences and Technologies
Coordinator	Simone Bastianoni <simone.bastianoni@unisi.it>
Department	Scienze fisiche, della Terra e dell'ambiente DSFTA
Open positions	3

n.	Funding institution(s)	Research topic
Positions with scholarships		
A.	1	Ateneo/Museo Antartide
B.	2	Ateneo/PNRR National Biodiversity Future Center NBFC, CN00000033, Spoke 2, CUP B63C22000650007
		Scientific and technological research in the polar regions
		Development of diagnostic methodologies to assess the presence and effects of emerging contaminants and multiple stresses on marine ecosystems and biodiversity in the Mediterranean Sea. Analysis of emerging contaminants: plastics additives, Drugs Analysis of biological responses: Omics and Molecular Biology techniques. Ecotoxicological investigations on endangered species. (referente scientifico: Maria Cristina Fossi)

Type of rankings	<ul style="list-style-type: none"> Stand-alone ranking for each position(A, B)
Documenti richiesti ai fini della valutazione (da allegare alla domanda online)	<ul style="list-style-type: none"> Curriculum vitae et studiorum (to be signed), containing a statement of the access title held with the issuing institution in addition to a list of any publications Research project (3 pages max., see scheme on the PhD web site) Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian, English or French (max. 2 pages) English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p><u>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university</u> have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ol style="list-style-type: none"> University issuing the title type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p><u>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university</u> (with a duration of at least four years) must specify in their curriculum:</p> <ol style="list-style-type: none"> University issuing the title type of degree (min. duration four years) – <i>Bachelor's degree/Master's degree</i> date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> transcript – certification of the title with the list of exams and votes – with a translation in Italian or English Diploma supplement (if available).
Web site for further information	https://www.dsfta.unisi.it/it/didattica/post-laurea/dottorati/dottorato-scienze-e-tecnologie-ambientali-geologiche-e-polari

Selection modalities	Evaluation of qualifications and research project (in inglese) Interview (including English language test)
Admission requirements	All masters' degrees (<i>lauree magistrali, specialistiche, a ciclo unico e vecchio ordinamento</i>)
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications and research project. Candidates are not allowed to be present during the evaluation. Score for qualifications: minimum 10/maximum 20 Score for research project: minimum 10/ maximum 20 Il punteggio minimo per accedere al colloquio è 20.</p> <p>Interview. The interview will focus on the research project presented and the activities the candidate intends to carry out during the three-year course. English language ability will also be ascertained. Minimum score 40/maximum score 60</p> <p>The results of each test will be published on the doctoral website.</p>
Dates of evaluation and exam(s)	Evaluation of qualifications: date to be fixed Interview: date and venue, to be fixed, will be published on the PhD website
Selection committee	The composition of the committee will be published after the deadline for application.

PhD	Scienze Giuridiche – Legal Sciences
Coordinator	Alessandro Palmieri <alessandro.palmieri@unisi.it>
Department	Giurisprudenza DGIUR
Curricula	Curriculum 1: curriculum privatistico Curriculum 2: curriculum pubblicistico Curriculum 3: curriculum internazional-comparatistico, giusfilosofico e storico-giuridico
Open positions	1

n.	Finanziatore	Tema di ricerca
Posti con borsa ex DM 351		
A.	3	MUR/Ateneo
		Pubblica amministrazione (v. art. 8 D.M. 351/2022)

Tipologia graduatoria	<ul style="list-style-type: none"> Stand-alone ranking list for curriculum 1 for 1 position with DM 351 scholarship <p>It is specified that the project, in the private sector (<i>curriculum privatistico</i>), must refer to the following research area as per art. 8, DM 351: "reconstructing and interpreting the legal framework of reference, both national and supranational for the individual policy area, including secondary legislation and instructions of a technical/applicative nature that necessarily complement said legal framework."</p>
Documents required for evaluation (to be attached during online application)	<ul style="list-style-type: none"> Curriculum vitae et studiorum, containing a statement of the access title held with the issuing institution in addition to a list of any publications Research project (4 pages max., including main bibliographical references) Thesis abstract of <i>Laurea Magistrale/Specialistica/vecchio ordinamento</i> or equivalent foreign degree translated into Italian, English or French (max. 2 pages) Reference letters (no more than two) of Italian and international academics and/or research professionals (letters shall not be uploaded, but e-mail addresses of the contact persons are to be provided) English language certification, level B2, if available (optional) <p>Eligibility of foreign degrees (to be translated into Italian, English or French) is ascertained by the selection committee in accordance with relevant regulations and international agreements on the recognition of qualifications for further studies.</p> <p>Candidates who achieved (or will achieve by 31 December 2022) the diploma di laurea at an Italian university have to specify, in their curriculum, all the data on the university path and the title of admission, in particular:</p> <ul style="list-style-type: none"> University issuing the title type of <i>laurea – vecchio ordinamento/specialistica/magistrale</i>; degree course name list of examinations with votes date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022). <p>Candidates who achieved (or will achieve by 31 December 2022) their degree at a foreign university (with a duration of at least four years) must specify in their curriculum:</p> <ul style="list-style-type: none"> University issuing the title type of degree (min. duration four years) – <i>Bachelor's degree/ Master's degree</i> date of obtaining the title and final vote or expected date of obtaining the title (by 31 December 2022).

	<p>Candidates with a foreign degree must attach to the online presentation also the following documentation:</p> <ul style="list-style-type: none"> • transcript – certification of the title with the list of exams and votes – with a translation in Italian or English • Diploma supplement (if available).
Web site for further information	https://www.dgiur.unisi.it/it/didattica/post-laurea/dottorati-di-ricerca/dottorato-di-ricerca-scienze-giuridiche
Selection modalities	<p>Evaluation of qualifications Written examination Interview (including English language test)</p>
Admission requirements	<p>Masters' degree in one of the following classes: LMG/01 Classe delle lauree magistrali in giurisprudenza LM-52 Relazioni internazionali LM-56 Scienze dell'economia LM-62 Scienze della politica LM-63 Scienze delle pubbliche amministrazioni LM-77 Scienze economico-aziendali LM/SC-GIUR Scienze Giuridiche 22/S (specialistiche in giurisprudenza) 64/S (specialistiche in scienze dell'economia) 70/S (specialistiche in scienze della politica) 71/S (specialistiche in scienze delle pubbliche amministrazioni) 84/S (specialistiche in scienze economico-aziendali) 102/S (specialistiche in teoria e tecniche della normazione e dell'informazione giuridica)</p>
Exam procedures	<p>The overall score is the sum of the scores obtained in the individual assessments and tests. The minimum score for eligibility is 60/100.</p> <p>Evaluation of qualifications and research project. Candidates are not allowed to be present during the evaluation. Maximum score: 30 The score will be assigned as follows: a) Master's degree grade 110/110 cum laude: 12 points 110/110: 10 points from 108/110 to 109/110: 8 points from 106/110 to 107/110: 6 points from 104/ 110 to 105/110: 4 points up to 103/110: 2 points b) Research project: up to 12 points c) Other qualifications: up to 6 points The minimum score to be admitted to the written examination is 16.</p> <p>Written examination. Maximum score: 40 points The minimum score to be admitted to the interview is 24 points.</p> <p>Interview. The interview will deal with the proposed research project and with the activities to be carried out during the three-year course. The knowledge of the English language will be also assessed. Maximum score: 30 The results of each test will be published on the PhD website.</p>
Dates of evaluation and exam(s)	<p>Evaluation of qualifications: 14 November 2022 Written examination: 21 Novembre 2022, 9:00 (Via Mattioli, 10, Siena) Interview: 22 novembre 2022, 9:00 (Via Mattioli, 10, Siena)</p>
Selection committee	The composition of the committee will be published after the deadline for application.