



Prot. N. 0056157 del 10.06.2024

**NOTICE OF PUBLIC COMPETITION FOR ADMISSION TO PHD PROGRAMMES –
40TH CYCLE
ACADEMIC YEAR 2024/2025**

Art. 1 – ESTABLISHMENT AND ACTIVATION OF PHD PROGRAMMES

- 1.1 The University of Insubria has established the 40th cycle of three-year PhD programmes. PhD programmes are activated under the condition of accreditation pursuant to Ministerial Decree no. 226/2021.
The title of PhD is conferred by the Rector and is awarded at the end of the cycle upon passing the final examination.
- 1.2 Any changes, updates or additions regarding the scholarships in this notice will be published by special order exclusively on the University website <https://www.uninsubria.it/la-didattica/dottorati-didattica>

Art. 2 – REQUIREMENTS FOR ADMISSION TO THE COMPETITION

- 2.1 Applicants may apply to the competition for admission to the PhD programme, with no age or nationality restrictions, if they hold a specialised or Master's degree or a degree awarded according to the regulations in force prior to Ministerial Decree 509/1999, awarded in Italy or an equivalent academic qualification from a foreign university.
- 2.2 The application may also be submitted, *sub condizione*, by graduating students, provided that they notify by **31 October 2024** by email to scuola.dottorato@uninsubria.it, sending a declaration in lieu of certification, the date on which they obtained the required qualification, under penalty of forfeiting their admission to the competition.
- 2.3 The assessment of the suitability of foreign degrees is the responsibility of the Selection Board of each PhD programme in compliance with the relevant legislation in force in Italy and in the country where the degree was awarded and with international treaties or agreements on the recognition of degrees for the pursuit of studies.
All candidates are admitted to the competition procedure with reservations.
The Administration may order exclusion for failure to meet the prescribed requirements at any time, by means of a reasoned decision.

Art. 3 – APPLICATION

- 3.1 The application to the competition may be submitted up to 12 noon (local time) on the 30th day from the date of publication on the University Register by connecting to the Università degli Studi dell'Insubria website (www.uninsubria.it) from any personal computer. After the above deadline, the link will be deactivated and it will no longer be possible to complete the application and register for the admission test.
- 3.2 The fee for admission to the competition is set at € 30.00 (thirty/00) and must be paid in a single instalment using the payment notice attached to the online application by the closing date of the competition notice, under penalty of exclusion from the selection.



3.3 Applicants may apply for more than one PhD programme. For each course in which they wish to participate, applicants must fill in a specific application form and submit the documents requested in the specific Programme Sheet and pay the respective non-refundable application fee of € 30.00. The documentation may be produced in Italian or English; the translation will be the responsibility of the candidate. The required documentation must be attached according to the facsimiles available and indicated in the Programme Sheets.

3.4 The procedure for submitting the application, which is also available in the “Competition Registration Guide” on the webpage of the XL Cycle Doctoral Competition, is as follows:

Access from the website www.uninsubria.it, the “Servizi Web – Segreterie Studenti”

(<https://uninsubria.esse3.cineca.it/Home.do>) under Registration;

then proceed to log in, choose “*admission test*” and follow the instructions.

Those who already have a userID and password can access the web services by logging in, choosing “*admission test*” and following the instructions (GUIDE: https://archivio.uninsubria.it/sites/default/files/Doc_Segreterie_Studenti/Guide_on_line/Guida%20online%20Registrazione.pdf)

To fill in the application form:

- select PhD programme
- enter your personal data, educational qualification data; details of a valid identity document; the same document must be attached as a scanned file;
- select your foreign language from among those listed in the Programme Sheet of each PhD programme, knowledge of which will be verified during the oral test;
- indicate whether you are interested in paid university accommodation, i.e. the allocation of beds at the University Colleges in Varese or Como reserved annually for each PhD programme. The recipients of accommodation among those who have applied for it will be identified by the Board of teachers of each PhD programme following enrolment;
- enter the name and email address of the contact person(s) identified if the Programme Sheet include letters of reference among the qualifications assessed for admission. By automated procedure the referees receive information on how to send the letters of reference, which must be entered by the deadline;
- upload the titles; the research project as listed in the Programme Sheet of each PhD programme;
- attach the list of titles submitted;
- make payment of non-refundable € 30.00 by the deadline via Pago PA (payment notice available at the end of the procedure);

EU and non-EU citizens resident abroad with a qualification obtained abroad follow the same instructions for registration for the competition and must enclose the following documents in the procedure:

- **entry visa to Italy, if already available**, to take the in-person admission tests (check here whether a visa is required: <https://vistoperitalia.esteri.it/home/it>);
- **original qualification, or certified copy** or replacement certificate valid for all legal purposes, translated and accompanied by declaration of value by the Italian representation in the country of origin; or, alternatively, CIMEA verification certificate;

Titles and documents must be attached in electronic PDF format not exceeding 5 MB each. The file name must include the candidate's surname and the type of title but must not exceed 25 characters (e.g. rossi_curriculumvitae).

3.5 Until the deadline for admissions stated in the notice, candidates may:

- add, delete or edit the attached documents (titles and identity document) via the “insert/edit assessable titles” button;
- adding, deleting or modifying the name and email address of the contact persons indicated, if the reference letters are included among the qualifications assessed for participation in the chosen competition (Annex), as well as requesting that the contact persons already included send the letter.

Changes will only be saved permanently by the system if the application is completed again.

Only the specific qualifications required for each PhD programme as set out in the Programme Sheets will be assessed by the selection board.

Titles delivered otherwise than in accordance with this notice will not be evaluated by the Selection Committee.

Failure to complete the application in the manner described above will result in ineligibility for the competition test.

No additions to the documentation will be accepted after the deadline.

- 3.6 In order to guarantee equal opportunities in the performance of the tests, candidates with a disability or impairment within the meaning of Law 104/1192 or with specific learning disorders within the meaning of Law 170/20210, must send a specific email notification by submitting the appropriate application and attaching the appropriate certificate from the competent public health structure, within the deadline for submitting applications to disabilita@uninsubria.it and to scuola.dottorato@uninsubria.it.

The additional time and compensatory and/or dispensatory measures, depending on the type of test and the candidate's specific condition, will be defined by the Disability Office and will be communicated to the Selection Board through the Teaching Coordination Office.

Applicants with disabilities, disabilities within the meaning of Law no. 104/1992, or with DSA, resident in foreign countries, who wish to take advantage of the above-mentioned measures, must present legalised certification, where required by current international standards, attesting to their disability, disability or DSA status, issued in their country of residence, accompanied by a sworn translation by an official translator or certified as conforming to the original text by the Italian diplomatic representations, in Italian or English. The Disability Office ascertains that the foreign documentation certifies a condition of invalidity, disability or specific learning disorder recognised by Italian law. Pending verification of the authenticity of the aforementioned documentation by the University bodies, candidates residing in a non-EU country are admitted to the test under probationary status.

- 3.7 At the end of the application deadline and after appropriate checks on the completeness of the application and attached documents with respect to what is required in the Programme Sheets, the list of admitted candidates will be published at <https://www.uninsubria.it/la-didattica/dottorati-didattica>.
- 3.8 By submitting an application for admission to the selection, the candidate indicates his or her acceptance of all the rules contained in this call for applications.

Candidates are advised not to wait until the last few days before the closing date of the call to apply; the University accepts no responsibility for any malfunctions due to overloading of the networks or application systems.

Art. 4 – ADMISSION TESTS, EVALUATION AND SELECTION OF CANDIDATES

4.1 Admission to PhD programmes is based on a public selection procedure based on qualifications and examinations, which guarantees the comparative assessment of the candidates, carried out by Selection Boards formed and appointed in accordance with the regulations in force. The selection, which is carried out by means of an oral and/or written test, ascertains the candidates' preparation and aptitude for scientific research and personal motivation, and the evaluation of their qualifications.

4.2 The Commission shall verify the completeness and consistency of the qualifications indicated in the curriculum vitae with respect to the application specified in the forms and shall award points according to the criteria indicated in the Programme Sheet. Candidates are not required to be present during the assessment of the qualifications.

4.3 The PhD admission test may be taken in English, provided that the candidate expressly requests it in the application form. The oral test may include a test of knowledge of the foreign language indicated in the Programme Sheet. The test is held according to the timetable indicated in the Programme Sheet and updated on the University's PhD programme web page. The test may be written or oral or composed of both methods as indicated in the specific Programme Sheet.

The test is held **in person** and candidates must appear at the admission tests, under penalty of exclusion, with the same valid identification document used to submit the application.

A **remote** test may be requested, which must be authorised by the Selection Board, which will also set the timetable. The distance test must be conducted using the platform provided by the University (Microsoft Teams); to this end, the candidate must indicate an email account that the selection board will use for the video call.

The candidate must be available at the personal address, communicated in advance, on the day indicated, in accordance with the established timetable. For identification purposes and under penalty of exclusion from the competition, the candidate must show the valid identity document used to submit the application.

Any candidate who fails to be present at the remote meeting will automatically be deemed a “no-show”.

The candidate may be excluded from the competition if the personal address (account) has not been indicated, if the connection is missing, if he/she fails the connection test, if he/she cannot be found on the appointed day or time or if he/she fails to produce a valid identity document. The University of Insubria declines all responsibility in the event that technical reasons prevent the regular execution of the interview.

4.4 The assessment of qualifications will be added to the marks for the oral/written test.

The competition is deemed to have been passed if a minimum mark indicated in the specific Programme Sheet is achieved in the tests specified in the notice.

Art. 5 – SELECTION BOARD

5.1 The Selection Board in charge of the comparative evaluation of the candidates is appointed by Rectoral Decree for each Doctoral Course according to the provisions set out in the University Doctoral Course Regulations.

5.2 At the end of the assessments, the Selection Board draws up an overall merit list on the basis of the marks obtained by the candidates in the tests.

Art. 6 – FINAL RANKINGS

- 6.1 The final rankings, approved by Rectoral Decree, will be posted on the University's Official Bulletin Board and on the PhD page <https://www.uninsubria.it/la-didattica/dottorati-di-ricerca>. Publication replaces for all purposes any personal communication.
The deadline for any appeals starts from the date of publication of the aforementioned decree.
Candidates are admitted to the courses according to the order of the ranking list up to the number of places available for each PhD programme.
Candidates are required to consult the rank list, any changes in the same and the deadlines for enrolment, in the notices published on the website.
- 6.2 If the PhD programme is organised in curricula, the Commission may prepare separate rankings. Candidates shall be admitted to each curriculum up to the number of places offered for that curriculum. In the event that fewer candidates are admitted to a curriculum than the number of places with scholarships advertised, the remaining scholarships may be awarded to candidates competing on other curricula, in descending order of their respective rankings.
- 6.3 If grants financed by public or private bodies are available, candidates in the examination express their interest in competing for one or more positions in addition to the places made available by the University.
The Selection Board will prepare an overall general ranking list and specific merit rankings for each funded project with the evaluations of the candidates who expressed interest in that project.
In the event of successful placement in more than one ranking list, the candidate must exercise the option for only one PhD programme and/or project and/or funding.

Art. 7 – ENROLMENT AND ATTENDANCE FEES

- 7.1 The deadline for registrations is **31 October 2024**. Further and subsequent deadlines are required in the event of the rankings being short-listed following the withdrawal of successful candidates. Enrolment is carried out according to the procedures described on the University's website at <https://www.uninsubria.it/formazione/offerta-formativa/dottorati/immatricolazioni>
Failure to enrol by the deadline will be considered a renouncement of the place (with or without scholarship), which will be assigned to the candidate who follows in the ranking, according to the order of that ranking.
Eligible candidates will be contacted by email at the email address indicated in the competition registration procedure.
Eligible candidates, who will have received the communication by email, must proceed to enrolment within the deadline indicated in the aforementioned communication, under penalty of forfeiting this right.
Successful candidates are admitted to the course with reservations and may be excluded from the course if they do not meet the requirements.
If verifications of the documentation submitted reveal false or misleading declarations, without prejudice to the sanctions provided for by the penal code and the special laws on the subject (Articles 75 and 76 of Presidential Decree 445/2000), the candidate will automatically forfeit his or her enrolment. The university administration will provide for the recovery of any benefits granted (such as scholarships, reduction in student contributions) and will not proceed with any reimbursement of fees paid. Lastly, a false declaration will result in exposure to action for damages by the parties concerned.

7.2 Successful candidates who are non-EU citizens resident abroad with a qualification obtained abroad must register, by the deadline indicated in the notice regarding the rankings, in University (<https://www.universitaly.it/formazione-stranieri>) (in order to obtain validation from the University and proceed with the application for a study visa for entry into Italy) and at the same time complete the enrolment procedure in Esse3 by attaching the following documentation:

- original qualification (Master's degree or equivalent) and translation into Italian;
- declaration of value issued by the Italian representation in the country of origin or, alternatively, CIMEA certificate of comparability;

Via the link: <https://cimea.diplo-me.eu/uninsubria/#/auth/register> it is possible to register and access CIMEA's DIPLOME service, to obtain the issue of the above-mentioned certificates with facilitated deadlines.

The verification of the validity of qualifications obtained abroad is carried out upon delivery of the official documents. Until that moment, candidates are admitted to the course with reservations and may be excluded from the rankings if they do not meet the requirements. The University reserves the right to request the "on-site declaration of value" whenever necessary for the proper management of the doctoral student's career.

Following enrolment, the University will confirm on the University portal that the procedure has been completed.

7.3 Students enrolled in PhD programmes are required to pay the annual regional tuition fee of € 140.00 and the stamp duty of € 16.00 in accordance with the "Regulations on student contributions for the academic year 2024/2025" available on the website www.uninsubria.it.

Please refer to these regulations for cases of exemption.

Withdrawal from the doctorate does not entitle the student to reimbursement of enrolment fees already paid.

With regard to any insurance charges in compliance with the regulations in force, please refer to what is detailed in the enrolment forms.

Art. 8 – CONCURRENT REGISTRATION AND INCOMPATIBILITY

8.1 In accordance with the provisions of Law 33/2022, simultaneous enrolment in a PhD programme and a Bachelor/Master's degree programme with non-compulsory attendance is permitted. Simultaneous enrolment in a PhD course and a medical specialisation course is also permitted pursuant to Article 7 of Ministerial Decree 226/2021.

Any evaluations of merit will be referred to the Board of teachers of the PhD programme concerned, which will verify the compatibility of compulsory attendance with the existence of the conditions for the acquisition of the knowledge and skills necessary for the achievement of the educational objectives of each course.

8.2 The simultaneous enrolment and, consequently, the joint attendance of two PhD programmes (except in the case of co-doctoral agreements or enrolment in international doctoral programmes for the award of double or joint degrees) and of a PhD programme and a Bachelor's/Master's degree programme involving compulsory attendance are incompatible. At the time of enrolment, the doctoral student must opt for one of the two courses. In the event of a false declaration and if the double enrolment persists, the University shall issue a ruling by the Rector annulling the enrolment on the course and proceed to recover any sums paid by way of a grant in accordance with the law. The ban on double enrolment continues until the end of the last year of the course (three/four-year period).

Art. 9 – COURSE ATTENDANCE AND QUALIFICATION

- 9.1 The start of PhD programme activities coincides with the beginning of the academic year. Attendance to the PhD programme entails an exclusive and full-time commitment and takes place according to the annual schedule prepared by each PhD programme. In the three-year period, compulsory activities of linguistic and IT further training are scheduled, also with transversal activities common to several doctorates. Each PhD student is ordinarily expected to carry out research and training activities, consistent with the PhD programme, at highly qualified institutions abroad, as reported in the Programme Sheet.
- 9.2 Activities other than training and research activities must be authorised by the teaching board and limited to those related to the acquisition of skills in the field of the PhD programme and compatible with the profitable performance of the training, teaching and research activities envisaged by the course. Civil servants admitted to a PhD programme benefit, for the normal duration of the programme, from the leave of absence provided for by collective bargaining agreements or, if they are civil servants, from special leave for study purposes, in accordance with the needs of the administration, pursuant to Article 2 of Law 476 of 13 August 1984, with or without pay and unless they explicitly opt out, only if they are enrolled for the first time in a PhD programme, regardless of the disciplinary field. At the time of enrolment, the employee, whether public or private, must inform the University about his/her work commitments, so that the Board of Professors can check the compatibility of work with the profitable performance of the training, teaching and research activities of the doctoral programme. Doctoral students, as an integral part of their training project, may carry out, subject to the authorisation of the Board of Professors and without any increase in the grant, tutoring activities, including paid tutoring of students on degree and master's degree courses, as well as, within the limits established by the legislation and University Regulations in force, supplementary teaching activities.
- 9.3 PhD students are required to follow the “Code of Ethics, Code of Conduct and Principles of Research Integrity of the University of Insubria”, issued by Rectoral Decree Office no. 656/2020 and in force since 16 October 2020. The title of PhD is awarded at the end of the PhD cycle, upon passing the final examination, which is conditional upon the submission of a written dissertation (PhD thesis) that gives an account of original research, conducted with certainty of method and from which results of adequate scientific relevance emerge. The awarding of the certificate of qualification is subject to the interested party depositing the final dissertation in the institutional open-access University archive, which will guarantee its preservation and public accessibility, in full, in part, or only in its bibliographic data.

Art. 10 – SCHOLARSHIPS

- 10.1 The annual amount of the scholarship is €16,243.00. The PhD scholarship is subject to the payment of INPS social security contributions under separate management, in accordance with the reference regulations in force. The duration of the grant is equal to the entire duration of the PhD programme and is paid monthly. Those who have already received a scholarship for a PhD programme may not use it a second time.

- The awarding of the doctoral grant is confirmed annually on condition that the doctoral student has completed the programme of activities planned for the year in question, subject to verification by the Board of Professors. In the event of suspension, renunciation or exclusion from the PhD programme, the grant is paid in proportion to the number of years of attendance.
- 10.2 Scholarships financed by other public or private bodies in the present call, or subsequently made available within the deadline of the call, will be published on the site. The Selection Board will prepare specific merit rankings on the basis of the candidates' expressions of interest collected during the examination and the evaluation of merit.
- 10.3 The scholarship is increased by 50 per cent for a total period not exceeding 12 months in any three-year period for research activities abroad.
Starting from the first year, each doctoral student, with and without a scholarship, is guaranteed a budget of no less than 10 percent of the annual amount of the scholarship for research activities in Italy and abroad.
- 10.4 Scholarships may not be combined with research grants or with other scholarships awarded for any reason whatsoever, with the exception of those granted by national or foreign institutions to supplement training or research abroad.
The grant is compatible with income from employment as long as it does not exceed the amount of the grant. The income limit is to be understood as the gross amount received in the year in which the grant is most enjoyed (€ 16,243.00).

Art. 11 – PROCESSING OF PERSONAL DATA

Pursuant to Legislative Decree no. 196 of 30 June 2003, as amended (“Personal Data Protection Code”) and to the General Data Protection Regulation - EU Regulation 2016/679 the information on the processing of personal data is published on the University website at the following link: <https://www.uninsubria.it/la-didattica/dottorati-di-ricerca>.

Art. 12 – INFORMATION ON THE APPLICATION OF LEGISLATION ON THE PREVENTION OF CORRUPTION

The University, in implementation of the relevant legislation, adopted its own Three-Year Plan for the Prevention of Corruption and appointed the Head of Corruption Prevention:
The three-year plan is published on the institutional website at <https://www.uninsubria.it/amministrazione-trasparente/disposizioni-general>
Reports can be sent to the email address: anticorruzione@uninsubria.it

Art. 13 – RECRUITMENT AND HRS4R

The recruitment of doctoral candidates (or Early Stage Researchers according to the European definition) will be in accordance with the European Charter for Researchers (ECR) and the Code of Conduct for the Recruitment of Researchers (CCR), which provide the general framework of guidelines and requirements for the roles, responsibilities and rights of these positions, ensuring that selection procedures are open, transparent and meritocratic.
The University of Insubria received the European quality award “HRS4R - Human Resources Strategy for Researchers” in February 2019: this certification recognises the effort of organisations in implementing the Charter and Code in their policies and practices and, finally, identifies those



universities and institutions that create and promote a stimulating and encouraging research environment.

Art. 14 – PERSON IN CHARGE OF ADMINISTRATIVE PROCEDURE

Pursuant to Law no. 241 of 7 August 1990 and subsequent amendments and additions, the person in charge of the administrative procedure for the competition is the Head of the Education Coordination Office, Catia Imperatori. For further information please email: scuola.dottorato@uninsubria.it

Art. 15 – REFERENCE REGULATIONS

For any matters not specifically provided for in this notice, the University of Insubria shall comply with the relevant legislation in force and the University Regulations on PhD programmes. For information regarding the competition procedures: scuola.dottorato@uninsubria.it

Varese, 10.06.2024

F.to il Rettore
Prof. Angelo Tagliabue



Attachment to the competition notice for admission to the 4th cycle Research Doctorates

LAW AND HUMANITIES	
Coordinator's name and contact details (e-mail and telephone)	Prof. Giulio Facchetti giulio.facchetti@uninsubria.it
Department head office	Department of Human Sciences, Territory and Innovation
Reference office	dottorato.disuit@uninsubria.it
Website	https://www.uninsubria.eu/course-catalogue/course-list/law-and-human-sciences-20232024
Scientific area	04 - Earth sciences, 08 - Civil engineering and architecture, 10 - Ancient, philological-literary and historical-artistic sciences, 11 - Historical, philosophical, pedagogical and psychological sciences, 12 - Legal sciences, 13 - Economics and statistics, 14 - Political and social sciences
Scientific-disciplinary fields	ICAR/18; IUS/01; IUS/02; IUS/04; IUS/07; IUS/08; IUS/09; IUS/10; IUS/11; IUS/13; IUS/14; IUS/15; IUS/16; IUS/17; IUS/18; IUS/20; IUS/21; GEO/03; L-ANT/06; L-ART/02; LLIN/01; L-LIN/03; L-LIN/12; L-FIL-LET/02; L-FIL-LET/10; LFIL-LET/11 - M-GGR/01; M-PED/03; M-STO/02; M-STO/04; MFIL/01; M-FIL/02; SECS-P/02; SECS-P/06, SECS-P/08, SPS/02; SPS/03; SPS/08.
Research topics (please describe the topics briefly)	Through the dialogue between law and the other sciences, the Doctorate provides an articulated set of keys to understanding modern society, which is increasingly open to the international dimension. If the understanding of institutions and social systems is enhanced by legal, historical and philosophical knowledge, with the help of linguistic, literary and mediological skills, law must also make use of economic and scientific knowledge in order to regulate the complex phenomena that characterise the contemporary world. The doctorate will have an interdisciplinary and international character, and will be taught by Italian and foreign lecturers, mainly in the research fields of the ERC Social Sciences and Humanities. The training project aims to provide an integrated didactic offer in Italian and English, using appropriate methodological tools. The research directions concern interdisciplinary topics related to the relations between law and science (as in the case of the discipline of environment and climate change), the relations between law and literature (where the legal aspect is combined with historical, philosophical and literary research), the relations between law and languages (which allows interaction with specific problems of linguistics, translatology, art and cross-media communication), the relations between law and economics (which allows the assessment of the economic impact of legal rules).
Main language used	Italian
Expected duration	3 years
Details of positions with a university scholarship and/or external funding	n. university scholarships 6



(funding must cover at least 3 years of the normal course duration)	
Positions without scholarship	n. 2 positions
Admission requirements	Master's Degrees in: Law, Cultural Anthropology and Ethnology, Archaeology, Landscape Architecture, Archive and Library Science, Architectural and Environmental heritage preservation, Cultural heritage preservation and restoration, Information and Publishing Systems, Modern European and American Languages and Literatures, Modern Languages for International communication and Cooperation, Linguistics, IT methodologies applied to Humanistic Disciplines, Territory and city planning, Design and Management of Tourism Systems, Design and Management of Educational Services, Psychology, International Relations, Cognitive Sciences, Political Sciences, Performing Arts and Media Production, Philosophical Sciences, Historical Sciences, Pedagogical Sciences, Welfare services and Policy, Sociology and Social Research, History of Art, Communication Theories, Criminology, Geography; Modern Philology; Philology, Ancient Literature and History; Musicology and Cultural Heritage.

Qualifications to be assessed and documents to be attached, scoring and test procedure

Total score: 120 points total (qualifications + tests)

Assessment Criteria:

1. Criteria for the written test, with a maximum overall score of 30 points

The written test will consist of an essay on a topic proposed by the Commission. Each essay will be marked on the following parameters:

- linguistic quality
- effectiveness of the presentation;
- mastery of the subject and methodology;
- critical ability and reconstructive insight;
- Ability to select and use sources correctly;
- logical and systematic coherence.

Each of the above criteria will be marked by the Commission on a scale of 0 to 5, with a maximum of 30 points for each written test.

2. Criteria for the assessment of qualifications, with a maximum overall score of 60 points

1) Graduation score:

- Marks from 60 to 70: 1 point
- Marks from 71 to 80: 3 points
- Marks from 81 to 90: 5 points
- Marks from 91 to 98: 10 points
- Marks from 99 to 103: 14 points



Marks from 104 to 107: 16 points
Marks from 108 to 109: 18 points
Mark 110: 19 points
Mark 110 cum laude: 20 points

2) Relevance of the Dissertation topic: from 0 to 5 points, keeping into account also the level of interdisciplinarity, interest and development potential of the subject matter.

3) Research activity:

a. Scientific publications (papers published in scientific journals, chapters in volumes, or books with ISBN): from 0 to 10 points overall, in relation to the relevance to the doctorate's subject matter, to the prestige and quality of the publications;

b. Research activity: from 0 to 10 points, with particular reference to the award of fellowships, research grants, periods, collaborations.

4) Further education: from 0 to 5 points, overall, with special reference to refining courses, master courses, dissertation awards, as well as in regard to the relevance to the the doctorate's topic and the prestige of the qualifications.

5) Teaching at the university level: from 0 to 10 points, overall, with particular regard to workshops, contracts, and to the role of "topic expert", in relation to the quality and relevance to the doctorate's subject matter.

3. Criteria for the evaluation of the oral test, with a maximum overall score of 30 points

Interviews will be focused on determining the candidates' educational background, evaluating research projects proposed by the candidates and assessing their knowledge of English and any other language they have indicated.

Documentation

The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates

Curriculum vitae and attachments

A list of titles must be attached (under penalty of exclusion).

Signed and dated Curriculum Vitae, complete with personal data, education and training, date of final dissertation and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations, produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." (add information as deemed necessary). [Use CVeuropass](#)

The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:

Qualifications:

A) **Master graduates: Self-certification, acquired from the university's electronic record or prepared using the [template](#), dated and signed in person or digitally, the degree title (Master's degree or equivalent),**

	<p>containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark</p> <p>B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p> <p>B1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year)</p> <p>B2. Bachelor's degree with date, final grade and list of exams with grades</p> <p>2. Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format)</p> <p>3. Research project (following the template for the first page) relevant to the above subject, if applicable (in .pdf format)</p> <p>4. List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article</p> <p>5. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards;</p> <p>6. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation;</p> <p>7. List of submitted titles (template).</p>
<p>Type of tests</p>	<p>Assessment type: written test (maximum overall score of 30 points) evaluation of qualifications (maximum overall score of 60 points) oral exam (maximum overall score of 30 points)</p> <p>The oral and written tests are face-to-face only and are considered passed if the candidate obtains a score of no less than 40/60 in each one.</p>
<p>Admission to the assessment of qualifications</p>	<p>Passing the written test (minimum 20 points) is an essential requirement for admission to the evaluation of qualifications and the subsequent oral test.</p> <p>The list of those admitted to the oral test is published on the website normally 5 days before the date of the test</p>
<p>Test schedule</p>	<p>Period of implementation: September 2024 Location: Como</p>

PHYSICS AND ASTROPHYSICS	
Coordinator's name and contact details (e-mail and telephone)	Prof. Giuliano Benenti – mail giuliano.benenti@uninsubria.it – tel +39 0312386271
Department head office	Science and High Technology
Reference office	dottorato.disat@uninsubria.it
Website	https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs
Scientific area	Physics
Scientific-disciplinary fields	Experimental physics, Theoretical physics, mathematical models and methods, Physics of matter, Nuclear and subnuclear physics, Astronomy and astrophysics, Applied physics
Research topics	Research topics cover several areas of current interest, such as field theories, quantum gravity, statistical physics, nonlinear and complex systems, quantum technologies, quantum transport and thermodynamics, condensed matter physics, ultrafast nonlinear optics, light scattering from nanoparticles and quantum optics, biophysics, elementary particle physics, photodetectors and their applications, medical physics, data science, exoplanets, extragalactic astrophysics, cosmology, gravitational waves, simulation of astrophysical systems, study of time-varying astrophysical phenomena, study of big data in astrophysics using machine learning and artificial intelligence techniques.
Main language used	English
Expected duration	3 years
Details of positions with a university scholarship and/or external funding	<p>n. university scholarships 7</p> <p>n. funded scholarships 2:</p> <ol style="list-style-type: none"> 1. scholarship funded on the ERC Starting Grant (StG) 2023 “GalFlow” Project n. 101116226 - CUP J13C23000510006, Thematic title: “Understanding the transport of matter towards the center of galaxies” presented to the European Research Council - ERC in response to the HORIZON Program - ERC Starting Grant (StG) – 2023 (Call: ERC - 2023-STG) of which Prof. Mattia Sormani is Scientific Director <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Funded by the European Union</p> </div> <div style="text-align: center;">  <p>erc European Research Council <small>Established by the European Commission</small></p> </div> </div> <p>Understanding the transport of gas to the centre of galaxies is one of most important unsolved problems in astrophysics. This gas can accrete onto central supermassive black holes and fuel the most powerful engines in the</p>

	<p>universe, active galactic nuclei. The centre of the Milky Way can be studied in enormously greater detail than any other galactic nucleus and is a Rosetta Stone to understand the physical processes that occur in all galaxies. In this project, the student will develop cutting-edge magneto-hydrodynamical simulations of gas flow in the centre of the Milky Way using the moving-mesh code AREPO (https://arepo-code.org). The goal is to systematically quantify the contribution of various physical mechanisms that could be responsible for driving the transport, such as magnetohydrodynamic turbulence, stellar feedback and/or external perturbations due to satellites/globular clusters orbiting the Milky Way, and thus obtain new insights on the physical processes responsible for the feeding of galactic nuclei.</p> <p>2. Scholarship funded by INAF “Istituto Nazionale di Astrofisica” – Osservatorio astronomico di Brera on the project “<i>Study of the X-ray emission from the Milky Way center</i> “. The student will investigate, under the supervision of Dr. Gabriele Ponti, the various components of the X-ray emission from the Galactic center region. In particular, he/she will learn advanced analysis techniques of X-ray data, including a combination of spectra and images as well as spatially-resolved spectral analysis. This will allow the student to constrain the physical properties of the point sources and hot plasma at the center of the Milky Way.</p>
Positions without scholarship	n.2 positions
Admission requirements	Admission to a PhD course requires a Master's degree or another qualification obtained abroad and recognised as eligible.
Qualifications to be assessed and documents to be attached, scoring and test procedure	
Total score: 120 points total (qualifications + tests)	
Qualifications: 60 points max - minimum score to pass the test 40 points	
Qualifying test score: 60 points max - minimum score to pass the test 40 points	
The admission test will be oral and will consist of two separate interviews, detailed below, each of which will have a maximum score of 30 points.	
Details of qualifications - 60 points max. total	
Maximum score: 36 points	Grade of Bachelor's degree and of the individual exams taken for it, grade of exams taken for Master's degree and, if the thesis has already been discussed, final grade of Master's degree.
Maximum score: 12 points	Scientific publications related to the topics of the Ph.D. (maximum number of publications to be attached to the application: 10), teaching activities - tutoring, teaching assistance, seminars -, additional training and awards - participation in schools, internships abroad, scholarships, awards.
Maximum score: 12 points	Relevance of the scientific profile to the themes of the Ph.D., as inferred from the curriculum vitae, the master's thesis abstract, and the reference letters (no more than 3) from academics or researchers with whom the candidate has worked.

Documentation	Curriculum vitae and attachments
<p>The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates</p>	<p>Signed and dated <u>Curriculum Vitae</u>, complete with personal data, education and training, date of final dissertation and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations, produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." Use CVeuropass</p> <p>The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:</p> <ol style="list-style-type: none"> 1. Qualifications: <ol style="list-style-type: none"> A) Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, with: A1. the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark. A2. Bachelor's degree with date, final grade and list of exams with grades B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with: B1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year). B2. Bachelor's degree with date, final grade and list of exams with grades 2. Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format) 3. List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article Up to a maximum of 10 4. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards; 5. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation; 6. Reference letters (up to three), from academics or researchers with whom the candidate has worked (candidates must enter the name and e-mail address of the referents identified when registering online and the



	<p>letters will be submitted directly by the referents in the online procedure). The letters must specify the role of the letter writer in his/her institution, the connection he/she has with the candidate and provide an objective assessment of the candidate's skills and performance in comparison to students (with approximately the same amount of training and experience as the applicant) known during his/her professional career. The letters should highlight the major strengths and weaknesses of the applicant, with particular regard to his/her ability to pursue and successfully complete the PhD program.</p> <p>Reference letters can be submitted in the online procedure up to the call deadline.</p> <p>7. List of submitted titles (template).</p>
Type of tests	<p>The selection tests are oral.</p> <p>The first test will focus on the candidate's research activity.</p> <p>The second test will aim to assess the candidate's basic knowledge in physics or astrophysics</p> <p>The admission test can be taken in English upon the candidates's request.</p> <p>Each candidate must declare at the oral tests whether he/she intends to compete also for the scholarship funded by the “ERC Starting Grant (StG) 2023 “GalFlow” and/or for the scholarship funded by INAF – Osservatorio Astronomico di Brera.</p>
Admission to the first test/assessment of qualifications	<p>Only candidates who obtain at least 40 points in the assessment of qualifications will be admitted to the selection tests</p> <p>The list of those admitted to the tests is published on the website https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs normally 5 days before the date of the test</p>
Test schedule	<p>The tests will take place at the Department of Science and High Technology, via Valleggio 11, Como, in July 2024</p> <p>It is possible to request the coordinator (giuliano.benenti@uninsubria.it) to carry out the tests remotely.</p>



COMPUTER SCIENCE AND MATHEMATICS OF COMPUTATION

Coordinator's name and contact details (e-mail and telephone)	Prof.ssa Barbara Carminati– mail barbara.carminati@uninsubria.it – tel +39 0332 21 8951
Department head office	Theoretical and Applied Sciences department
Reference office	dottorato.dista@uninsubria.it
Website	http://phd.dista.uninsubria.it/
Scientific area	01 - Mathematics and informatics; 09 - Industrial and information engineering; 13 – Economics and statistics
Scientific-disciplinary fields	INF/01; ING-INF/05; MAT/01; MAT/03, MAT/ 05; MAT/07; MAT/08; SECS-S/01.
Research topics (please describe the topics briefly)	See Accreditation Sheet, max. 800 characters including spaces
Main language used	English
Expected duration	3 years
Details of positions with a university scholarship and/or external funding	n. university scholarships 6
Positions without scholarship	n. 2 positions
Admission requirements – required qualification, if not yet awarded, must be obtained by 31 October of the current year and no later than the day before the start of the course	Admission to a PhD course requires a Master's degree or another qualification obtained abroad and recognised as eligible.
Qualifications to be assessed and documents to be attached, scoring and test procedure	
Total score: 120 points total (qualifications + tests)	
Qualifications: 60 points max	
Qualifying test score: 60 points max	
Details of qualifications - 60 points max. total	
Maximum score: 20	The grades of the individual exams of the Master's degree and and Bachelor's degree, if candidates have already discussed their thesis, Master's degree final mark
Maximum score: 15	scientific significance, degree of originality and relevance of the research project and thesis (if it has already been discussed) to the themes of the Doctoral Program; for the evaluation of the thesis candidates must submit at least a detailed abstract of the thesis itself; they may also submit the full version of the thesis);
Maximum score: 5	conference presentations and publications related to the subjects of the PhD



Maximum score: 5	training activities and professional experience pertinent to the themes of the Doctoral Program
Maximum score:15	Other qualifications, including language certifications and no more than 2 letters of recommendation
Documentation	Curriculum vitae and attachments
The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates	<p>Signed and dated Curriculum Vitae, complete with personal data, education and training, date of final dissertation and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations, produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." (add information as deemed necessary). Use CVeuropass</p> <p>The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:</p> <p>Qualifications:</p> <p>A) Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark</p> <p>B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p> <p>B1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year)</p> <p>B2. Bachelor's degree with date, final grade and list of exams with grades</p> <p>2. Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format)</p> <p>3. Research project (following the template for the first page) relevant to the above subject, if applicable (in .pdf format)</p> <p>4. List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article</p> <p>Up to a maximum of 5</p> <p>5. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards;</p> <p>6. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support),</p>



	<p>collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation;</p> <p>7. Reference letters (up to two), from university lecturers or researchers with whom the candidate has worked (candidates must enter the name and e-mail address of the contact person(s) identified when registering online for the competition and the letters will be submitted directly by the contact persons in the online procedure). The letters must specify the institutional role of the letter writer in his/her institution, the type of relationship he/she had with the candidate and provide an objective assessment of the candidate's skills and performance with reference to similarly experienced students known during his/her career, specifying the candidate's strengths and weaknesses, with reference to his/her potential to successfully complete the PhD programme.</p> <p>8. Reference letters can be submitted in the online procedure by the deadline of the call</p> <p>9. List of submitted titles (template).</p>
Type of tests	<p>Oral test.</p> <p>The candidates who have obtained at least 40 points in the qualification's evaluation will be tested on their scientific interests, on the reasons which persuaded them to register for this specific Doctoral Program and on a description of their own research project or, as an alternative to the latter, on an analysis of a research field which is pertinent to the specific themes of the Doctoral Program. Knowledge of the English language will also be assessed. The admission test may be taken in English and remotely upon the candidate's request.</p>
Admission to the first test/assessment of qualifications	<p>Only candidates who obtain at least 40 points in the assessment of qualifications will be admitted to the selection tests</p> <p>The list of those admitted to the test is published on the website https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs normally 5 days before the date of the test</p>
Test schedule	<p>Specify date and location: July 2024</p> <p>You can request by email to the Coordinator (dottorato.dista@uninsubria.it) to carry out the tests remotely</p>

CLINICAL AND EXPERIMENTAL MEDICINE AND MEDICAL HUMANITIES	
Coordinator's name and contact details (e-mail and telephone)	Dipartimento di Medicina e Chirurgia
Department head office	Dipartimento di Medicina e Chirurgia
Reference office	Farmacologia.medica@uninsubria.it
Website	https://www.uninsubria.it/formazione/offerta-formativa/dottorati
Scientific area	05 – Biological sciences; 06 Medical Sciences; 14 – Political and social sciences
Scientific-disciplinary fields	BIO/08, BIO/14, MED/01, MED/02, MED/07, MED/09, MED/10, MED/11, MED/13, MED/15, MED/17, MED/25, MED/26, MED/35, MED/39, MED/41, MED/42, MED/43, SPS/01
Research topics (please describe the topics briefly)	Biomedical research is crucial to the progress and well-being of society, and the profession of biomedical researcher is among the most intellectually exciting. In recent decades, however, pursuing a research career in biomedicine has become increasingly difficult, due to increased competition and reduced funding. The resulting pressure pushes researchers to breach professional integrity by adopting questionable research practices, to the point of committing acts of outright scientific misconduct. This course responds to the training needs of young researchers by providing complete and up-to-date knowledge on the fundamental principles, methodologies and practices of preclinical and clinical experimental research in biomedicine. "Academic integrity" in fact means "adherence by individuals and institutions to ethical and professional principles, standards and practices in education, research and study". Integrity in research is therefore active adherence to ethical principles (honesty, reliability, respect for scientific evidence) and to the professional standards essential for the responsible practice of scientific research. This course is part of an integrated project with the overall objective of training "medical researchers", i.e. doctors who dedicate a substantial part of their time and professional commitment to patient-oriented biomedical, fundamental, applied/translational research, contributing in thus to the advancement of medical sciences, from the laboratory to the patient's bedside, maintaining a rigorous and high scientific standard in basic as well as clinical research.
Main language used	Italian
Expected duration	3 years
Details of positions with a university scholarship and/or external funding	n. 7 university scholarships
Positions without scholarship	n. 2 places
Admission requirements – required qualification, if not yet awarded, must be obtained by	All graduates with a master's degree can access the doctorate and in particular graduates in: medicine and surgery, dentistry, veterinary medicine, literature and philosophy, communication sciences and techniques, biological



31 October of the current year and no later than the day before the start of the course	sciences, biotechnology, pharmacy, psychology, chemistry and technologies pharmaceuticals, legal and economic sciences. The possession of adequate cultural training and a personal path suitable for undertaking the doctoral course will be subject to specific and in-depth verification and evaluation at the time of admission.
Qualifications to be assessed and documents to be attached, scoring and test procedure	
<p>Total score: 120 points total (qualifications + tests)</p> <p>Qualifications: 60 points max</p> <ul style="list-style-type: none"> - 10 points for the degree grade; - 10 points for other university qualifications; - 15 points for the relevance of the thesis; - 15 points for publications relating to the topics of the course; - 10 points for other titles relevant to the topics of the course. <p>The qualifications must necessarily be accompanied (under penalty of exclusion) by a list of qualifications.</p> <p>Criteria: relevance of the scientific profile to the subject matter of the PhD programme</p> <p>Qualifying test score: 60 points minimum score to pass the test is 30</p> <p>The competition will consist of a single test consisting of the drafting (in written form) of a hypothetical research project, followed by an oral interview in which the candidate will be asked to discuss the project described, with particular attention to:</p> <ul style="list-style-type: none"> • its relevance to the course topics • feasibility over the three years • the originality of the proposal • clarity of presentation. <p>Each candidate will have one hour available to write the project. Part of the interview will be dedicated to verifying knowledge of the foreign language.</p>	
Details of qualifications - 60 points max. total	
Maximum score: specify	Master's degree grade.
Maximum score: 15	For the relevance of the degree thesis.
Maximum score: 15	Scientific publications related to the subjects of the PhD
Maximum score: 10	For other university qualifications
Documentation	Detailed list of titles presented. The qualifications must necessarily be accompanied (under penalty of exclusion) by a list of qualifications.
The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates	<p>1. Qualifications:</p> <p>A) Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark</p>

	<p>B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p> <ol style="list-style-type: none"> 2. Final dissertation (Master's degree) to be attached in full under penalty of non-evaluation in case of omission. 3. List of publications, if any, including conference presentations (template) and pdf in full version of each publication, under penalty of non-evaluation in case of omission. 4. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses; 5. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation; 6. List of submitted titles (template).The qualifications must necessarily be accompanied (under penalty of exclusion) by a list of qualifications.
Type of tests (specify the time schedule of the different tests or which test will be used)	<p>The competition will consist of a single test consisting of the drafting (in written form) of a hypothetical research project, followed by an oral interview in which the candidate will be asked to discuss the project described, with particular attention to:</p> <ul style="list-style-type: none"> • its relevance to the course topics • feasibility over the three years • the originality of the proposal • clarity of presentation. <p>Each candidate will have one hour available to write the project. Part of the interview will be dedicated to verifying knowledge of the foreign language.</p>
Test schedule	<p>The tests will take place in September 2024 according to the calendar that will be published on the website.</p> <p>It is possible to request the President of the judging commission to carry out the tests remotely</p>
Admission to the first test/assessment of qualifications	<p>Only candidates who obtain at least 30 points in the selection tests will be admitted to the assessment of qualifications</p> <p>The list of those admitted to the tests/assessment of qualifications is published on the website... at least 5 days before the date.</p>



EXPERIMENTAL AND TRANSLATIONAL MEDICINE

Coordinator's name and contact details (e-mail and telephone)	Prof. Mauro Fasano – mail mauro.fasano@uninsubria.it – tel +39 0331 339 450
Department head office	Science and High Technology
Reference office	dottorato.disat@uninsubria.it
Website	https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs
Scientific area	05 – Biological sciences; 06 – Medical sciences
Scientific-disciplinary fields	BIO/06; BIO/09, BIO/10; BIO/11, BIO/14, BIO/18, MED/03, MED/04, MED/08, MED/11, MED/13, MED/17, MED/28, MED/33, MED/40
Research topics	<p>The PhD in Experimental and Translational Medicine aims to address the study of complex aspects of the biology of the animal organism with an interdisciplinary approach, transferring the knowledge and investigation techniques acquired on the functioning of structures in normal conditions, through experimental approaches of laboratory, to study the pathophysiological and clinical aspects of human health.</p> <p>This is a complex path as the topics studied and the techniques adopted in experimental investigation laboratories often seem distant and disconnected from the ever-growing need for new knowledge and increasingly refined investigation methods applicable in the clinical field. Therefore, there is often a compartmentalization between the "basic" experimental disciplines and the more purely clinical-medical ones, which leads to poor interaction and damage to the potential mutual scientific-cultural benefit. The Doctorate project aims to prepare a cohort of young researchers who, aware of the great potential that a closer scientific integration between the set of experimental disciplines, both basic and clinical-medical, can allow for the joint advancement of knowledge, is able to harmonize the different scientific approaches, in order to obtain maximum applicability and transferability of basic knowledge to clinical practice. Therefore, PhD students will have to familiarize themselves with an interdisciplinary approach, learn communication between different scientific fields, and commit to applying scientific progress in basic sciences to the diagnosis, prevention and treatment of various pathologies.</p> <p>In the three-year Doctoral Course, the student will have to acquire the ability to independently carry out an experimental project, to use the instruments and methods specific to the chosen area of study, to correctly interpret the experimental results, and to learn the methods of clinical research. This long path will have to lead to knowing how to evaluate the effectiveness in the clinical application of the new proposed methods.</p> <p>As part of their research project, each PhD student must be able to identify productive links between basic disciplines (biochemistry, cellular and molecular biology, genetics, immunology, microbiology, physiology,</p>



	neuroscience), pathophysiological processes of various nature and clinical conditions specifications.
Main language used	English
Expected duration	3 years
Details of positions with a university scholarship and/or external funding	n. university scholarships 7
Positions without scholarship	n. 2 positions
Admission requirements	Master's degree graduates (master's degree/specialist/single cycle/old system) in Medicine and Surgery, Biology, Biotechnology, Pharmacy, Chemistry and Pharmaceutical Technologies, Chemistry, Dentistry and Dental Prosthetics can access the doctorate.
Research projects (candidates must contact the responsible professors directly for information on the research project they are interested in. Details will also be available on the university website www.uninsubria.it/bandodottorati)	<ol style="list-style-type: none"> 1. Disentangling the role of mitochondrial proteases as central regulators of neurodegenerative processes (tiziana.alberio@uninsubria.it) 2. Cross-talk between the human virome and its host: from basic research to clinical application (andreina.baj@uninsubria.it) 3. Slow substrate of Neurotransmitter transporter, a possible approach to control excitatory / inhibition balance (elena.bossi@uninsubria.it) 4. Minimally Invasive Surgical Strategies in Ovarian Neoplasm: an international multicentric project on morbidity and oncological outcomes (j.casarin@uninsubria.it) 5. Understanding neurodevelopmental disorders by multi-omics approaches (mauro.fasano@uninsubria.it) 6. Novel strategies of combined immunotherapy for cancer (greta.forlani@uninsubria.it) 7. Gastrointestinal dysfunction in a mouse model of multiple sclerosis: focus on the enteric glutamatergic transmission (crisrina.giaroni@uninsubria.it) 8. Outcome of solid organ transplant recipients from donors with active infections (paolo.grossi@uninsubria.it) 9. Intestinal epithelial barrier deficiency in CDKL5 deficiency disorder: analysis of microtubule organization and cell adhesion complex functionality (c.kilstrup-nielsen@uninsubria.it, i.barbiero@uninsubria.it) 10. Study the role of enhancers in promoting the transcription changes leading to cardiac ageing (roberto.papait@uninsubria.it) 11. Role of modulatory proteins in function and expression of ion channels and membrane transporter (crisrina.roseti@uninsubria.it) 12. Role of innate immune cells in tumor angiogenesis for innovative anti-cancer therapies (lorenzo.mortara@uninsubria.it)
Qualifications to be assessed and documents to be attached, scoring and test procedure	
Total score: 120 points total (qualifications + tests)	
Qualifications: 60 points max - minimum 40 points	
Oral test score: 60 points	

Details of qualifications - 60 points max. total	
Max score: 35 Points	Master's degree/specialist/single cycle/old system grade. In the event that the degree qualification has not been obtained, the following will be assessed: the marks of the exams taken for the master's degree/specialist/single cycle/old system, the three-year degree mark and the marks of the exams taken
Max score: 4 Points	Scientific publications relating to the topics of the Doctorate (max 5)
Max score: 10 Points	Relevance of the thesis topic to Experimental and Translational Medicine
Max score: 3 Points	Contributions to conferences (abstracts)
Punteggio max: 4 Punti	Other scientific activity (participation in conferences and schools, internships)
Punteggio max: 3 Punti	Diplomas and other training activities
Punteggio max: 1 Punto	Reference letters
Documentation	Curriculum vitae and attachments
The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates	<p>Signed and dated <u>Curriculum Vitae</u>, complete with personal data, education and training, date of final dissertation and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations, produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." (add information as deemed necessary). Use CVeuropass</p> <p>The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:</p> <p>1. Qualifications:</p> <p>A) Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark</p> <p>B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p> <p>B1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year)</p> <p>B2. Bachelor's degree with date, final grade and list of exams with grades</p> <p>2. Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format)</p>

	<p>3. List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article Up to a maximum of 5; no limits for communications at conferences</p> <p>4. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards;</p> <p>5. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation;</p> <p>6. Reference letters (up to three), from university lecturers or researchers with whom the candidate has worked (candidates must enter the name and e-mail address of the contact person(s) identified when registering online for the competition and the letters will be submitted directly by the contact persons in the online procedure). The letters must specify the institutional role of the letter writer in his/her institution, the type of relationship he/she had with the candidate and provide an objective assessment of the candidate's skills and performance with reference to similarly experienced students known during his/her career, specifying the candidate's strengths and weaknesses, with reference to his/her potential to successfully complete the PhD programme. Reference letters can be submitted in the online procedure up to the closing date of the announcement.</p> <p>7. List of submitted titles (template).</p>
<p>Type of tests</p>	<p>ORAL EXAM</p> <p>Candidates will be examined on their scientific interests, their technical-scientific skills and the motivations that led them to enroll in this specific Doctorate. Candidates will be asked to identify two research projects of interest to them in order of priority among those proposed by the Doctoral Board.</p> <p>The following will be assessed: the solidity of the scientific background, with particular reference to the issues relating to the research project in which the Candidate is interested, the ability to discuss the scientific progress relevant to this Doctorate, the methodological, research, clinical and/or laboratory, knowledge of the English language.</p> <p>The admission test can be taken in English at the request of the candidate. The test will be taken in person, unless a motivated written request is made by the Candidate and positively evaluated by the Examining Commission</p>
<p>Admission to the first test/assessment of qualifications</p>	<p>Only candidates who obtain at least 40 points in the assessment of qualifications will be admitted to the oral test.</p> <p>The list of those admitted to the test is published on the website https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs normally 5 days before the date of the test</p>



Test schedule	The period and location of the event will be published on the site well in advance. You can ask the Coordinator (dottorato.disat@uninsubria.it) to carry out the tests remotely.
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METHODS AND MODELS FOR ECONOMIC DECISIONS

Coordinator's name and contact details (e-mail and telephone)	Prof. Andrea Vezzulli – mail andrea.vezzulli@uninsubria.it – tel +39 3393541281
Department head office	DiEco – Dipartimento di Economia
Reference office	dottorato.dieco@uninsubria.it
Website	https://www.phd.eco.uninsubria.it/
Scientific area	Area 13 - Scienze economiche e statistiche
Scientific-disciplinary fields	ECON-01/A, ECON-02/A, ECON-03/A, ECON-04/A, ECON-05/A, ECON-06/A, ECON-07/A, STEC-01/B, STAT-01/A, STAT-02/A, STAT-04/A, MATH-03/A, MATH-03/B, MATH-06/A, INFO-01/A, IINF-05/A
Research topics (please describe the topics briefly)	The PhD program in Methods and Models for Economic Decisions trains young researchers to master the variety of theoretical and applied approaches that are used in economics for analyzing decision-making processes. The analysis of human economic decisions relies on methods and models that differ significantly across various fields of economics: classical decision theory is largely based on mathematical models, while more recent research in behavioral decision theory often relies on experimental methods. Econometric tools are used to investigate the determinants of specific decisions, such as those concerning labor, transports, or health. Computational methods are used to simulate how economic agents interact, and to investigate the economic effects of their interactions.
Main language used	English
Expected duration	3 years
Details of positions with a university scholarship and/or external funding (funding must cover at least 3 years of the normal course duration)	n. university scholarships 6
Positions without scholarship	n. positions without scholarship 0
Admission requirements	Admission to a PhD course requires a Master's degree or another qualification obtained abroad and recognised as eligible.
Qualifications to be assessed and documents to be attached, scoring and test procedure	
Total score: 120 points total (qualifications + tests)	
Qualifications: 60 points max	
Assessable qualifications; up to 60 points:	
Graduation final mark: up to 15 points (for graduands the final mark will be estimated with the arithmetic average mark of the exams);	
Master thesis: up to 10 points (applicants must submit the full thesis or at least an extended abstract).	
Criteria: scientific significance, degree of originality and relevance of the thesis with the PhD topics;	



<p>Research project: up to 15 points (applicants must submit a research proposal). Criteria: scientific significance, degree of originality and relevance of the project with the PhD topics; Publications and conference presentations: up to 5 points (applicants must send pdf copies of max 10 publications) Criteria: scientific significance, degree of originality and relevance of the publications with the PhD topics; Training activities and professional experiences: up to 5 points. Criteria: quantity, continuity and relevance with the PhD topics; Any other assessable qualifications, including language and computer skills certifications, and up to 3 recommendation letters: up to 10 points. topics relevant for the PhD program.</p> <p>Only applicants with a minimum of 40 points on the qualification assessment are admitted to the interview.</p> <p>Interview test score: 60 points max Only applicants who have obtained at least 40 points are admitted to the interview. Only applicants who have obtained at least 40 points in the qualification assessment are admitted to the interview. Applicants are interviewed on their scientific interests and their motivations for applying to this specific PhD program. The interview can be evaluated up to a maximum of 60 points and is considered as passed only if the applicant obtains at least 40 points. The interview, which is public, tests the basic knowledge of economics and quantitative topics, as well as the knowledge of English, and could involve a discussion of possible research lines related to the PhD program. Applicants may ask to undertake the interview remotely, either in English or in Italian. If the interview will be performed in Italian, there will be, in any case, an assessment of the candidate's English proficiency.</p>	
Details of qualifications - 60 points max. total	
Maximum score: 15 points	Master's degree grade. In the event that the degree has not been obtained yet, the following will be assessed: the grades of the individual exams of the Master's degree, and Bachelor's degree final mark
Maximum score: 10 points	Master thesis: applicants must submit the full thesis or at least an extended abstract.
Maximum score: 15 points	Research project: applicants must submit a research proposal.
Maximum score: 5 points	Scientific publications and conference presentations related to the topics of the PhD (max. no. 10 publications to be attached in pdf format)
Maximum score: 5 points	Training activities and professional experiences
Maximum score: 10 points	Any other assessable qualifications, including language and computer skills certifications, and up to 3 recommendation letters

Documentation	Curriculum vitae and attachments
<p>The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates</p>	<p>Signed and dated Curriculum Vitae, complete with personal data, education and training, date of final dissertation and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations, produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." (add information as deemed necessary). Use CVeuropass</p> <p>The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:</p> <p>Qualifications:</p> <p>A) Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark</p> <p>B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p> <p>B1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year)</p> <p>B2. Bachelor's degree with date, final grade and list of exams with grades</p> <p>2. Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format)</p> <p>3. Research project (following the template for the first page) relevant to the above subject, if applicable (in .pdf format)</p> <p>4. List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article</p> <p>Up to a maximum of 10</p> <p>5. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards;</p> <p>6. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation;</p> <p>7. Reference letters (up to three), from university lecturers or researchers with whom the candidate has worked (candidates must enter the name and e-mail address of the contact person(s) identified when registering</p>

	<p>online for the competition and the letters will be submitted directly by the contact persons in the online procedure). The letters must specify the institutional role of the letter writer in his/her institution, the type of relationship he/she had with the candidate and provide an objective assessment of the candidate's skills and performance with reference to similarly experienced students known during his/her career, specifying the candidate's strengths and weaknesses, with reference to his/her potential to successfully complete the PhD programme. Reference letters can be submitted in the online procedure up to the closing date of the announcement)</p> <p>8. List of submitted titles (template).</p>
<p>Type of tests (specify the time schedule of the different tests or which test will be used)</p>	<p>The tests are: ORAL TEST Applicants are interviewed on their scientific interests and their motivations for applying to this specific PhD program. The interview can be evaluated up to a maximum of 60 points and is considered as passed only if the applicant obtains at least 40 points. The interview, which is public, tests the basic knowledge of economics and quantitative topics, as well as the knowledge of English, and could involve a discussion of possible research lines related to the PhD program. Applicants may ask to undertake the interview remotely, either in English or in Italian. If the interview will be performed in Italian, there will be, in any case, an assessment of the candidate's English proficiency.</p>
<p>Admission to the first test/assessment of qualifications</p>	<p>Only candidates who obtain at least 40 points in the assessment of qualifications will be admitted to the oral interview</p> <p>The date, the place, and list of those admitted to the tests assessment of qualifications is published on the website https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs usually 5 days before the date of the interview.</p>
<p>Test schedule</p>	<p>The period and location of the event will be published on the site well in advance.</p> <p>You can ask the Coordinator (dottorato.dieco@uninsubria.it) to carry out the interview remotely</p>



CHEMICAL AND ENVIRONMENTAL SCIENCES	
Coordinator's name and contact details (e-mail and telephone)	Prof. Alessandro Maria Michetti – mail alessandro.michetti@uninsubria.it – tel +39 0312386650
Department head office	Dipartimento di Scienza e Alta Tecnologia, Via Valleggio 11 22100 Como
Reference office	dottorato.disat@uninsubria.it
Website	https://dottorato.disca.uninsubria.it/
Scientific area	03 – Chemical sciences; 04 Earth sciences; 05 – Biological sciences; 06 Medical Sciences; 08 – Civil engineering
Scientific-disciplinary fields	BIO/02; BIO/05; BIO/07, CHIM/01; CHIM/02; CHIM/03; CHIM/06; CHIM/12, FIS/03, GEO/03, GEO/04, GEO/06, ICAR/03, MED/44, ING-IND/24
Research topics (please describe the topics briefly)	In a world characterized by increasingly urgent environmental challenges and the need to develop innovative solutions to ensure liveable development, also in light of the recent international crises in Ukraine and Palestine, the Doctoral Course in Chemical and Environmental Sciences at the University of Insubria acts as a point of reference in the training of researchers and professionals capable of facing these challenges with competence, creativity and commitment. The research conducted within the DISCA encompasses two specialist curricula "Chemical Sciences" (Energy and Health) and "Environmental Sciences" (Environment and Territory). The laboratories involved in DISCA carry out investigations in various sectors of chemical and environmental sciences, make use of the local presence of foundations and public bodies engaged in research and technological development activities, and are an active part of networks of excellence in international research. Areas of interest include Analytical Chemistry, Physical Chemistry, Inorganic Chemistry, Organic Chemistry, Environmental Chemistry, Industrial Chemistry, Materials Science, Earth Sciences, Animal Biology, Plant Biology, Environmental Engineering, Industrial Engineering, Ecology, Environmental Medicine Work, and Climate Change.
Curricula	1. Chemical Sciences, 4 fully funded positions with scholarships 2. Environmental Sciences, 4 fully funded positions with scholarships
Main languages used	Italian, English
Expected duration	3 years
Details of positions with a university scholarship and/or external funding (funding must cover at least 3 years of the normal course duration)	1. Chemical Sciences, 3 scholarships 2. Environmental Sciences, 4 scholarships n. 1 scholarships funded for the Chemistry Sciences CV 1. "Funded grant 1- Project FISA-2022-00922: STAR - Lighting up the agrochemical route in weeds: novel Herbicide-Delivery-Devices for SusTainable AgricultuRe in Italy" - CUP J13C24000110001
Positions without scholarship	2 positions (1 for every CV)



Admission requirements	Any Master's Degree (second or single cycle)
Qualifications to be assessed and documents to be attached, scoring and test procedure	
Total score: 120 points total (qualifications + oral test)	
Qualifications: 60 points max	
Evaluable qualifications:	
<ul style="list-style-type: none"> - degree grade and curriculum of university studies, including the list of exams taken with their evaluation; the average of the grades obtained during the university course will be evaluated; - curriculum vitae, to be presented as per specifications in the "Documentation" section - relevance of the thesis to the topics of the Doctorate; for the evaluation of the thesis it is necessary to send at least the title and summary of the thesis itself; - any scientific publications relating to the topics of the Doctorate; - any other qualifications that can be evaluated: presentations at conferences, participation in schools, work activities relating to the topics of the Doctorate, further qualifications, prizes and recognitions 	
Only candidates who obtain at least 25 points in the assessment of qualifications will be admitted to the oral test	
Oral test score: 60 points max	
Details of qualifications - 60 points max. total	
Maximum score: 24	Master's degree grade. In the event that the degree has not been obtained yet, the following will be assessed: the grades of the individual exams of the Master's degree, and Bachelor's degree final mark
Maximum score: 8	Scientific publications related to the subjects of the PhD (establish max. no. of publications to be attached; e.g. max. 10)
Maximum score: 14	Teaching activities - tutoring, teaching support, seminars
Maximum score: 14	Additional training and awards - participation in schools, internships abroad, scholarships, prizes
Documentation	
Curriculum vitae and attachments	
The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates	Signed and dated Curriculum Vitae, complete with personal data, education and training, date of final dissertation and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." NOTE: Candidates are required to submit their curriculum vitae in PDF format using the appropriate template which can be filled in and downloaded at the link: CVeuropass

	<p>The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:</p> <p>1. Qualifications:</p> <p>A) Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark</p> <p>B) Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p> <p>B1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year)</p> <p>B2. Bachelor's degree with date, final grade and list of exams with grades</p> <p>2. Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format)</p> <p>3. List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article</p> <p>Up to a maximum of ____</p> <p>4. Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards;</p> <p>5. Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation;</p> <p>6. List of submitted titles (template).</p>
<p>Oral test</p>	<p>Up to a maximum of 60 points for the oral test, including knowledge of the foreign language (10 points).</p> <p>Candidates who have obtained at least 25 points in the assessment of qualifications will be examined in person on their scientific interests; on the reasons that led them to enrol in this specific Doctorate; on the definition of one's own hypothetical research project, of which the candidate will illustrate the aims, methodologies, procedures and timing of implementation. The solidity of the cultural background will be assessed, with particular reference to the issues relating to the chosen curriculum, the ability to discuss the most important discoveries of recent years in the field of competence of the Doctorate, methodological, research, field and/or laboratory skills, and knowledge of the English language and other community languages.</p> <p>The oral test can be taken remotely on the Teams platform and/or in English at the request of the candidate.</p> <p>More information on the course on the DISCA web page at https://dottorato.disca.uninsubria.it/</p>



Admission to the oral test	Only candidates who obtain at least 25 points in the assessment of qualifications will be admitted to the oral test The list of those admitted to the tests/assessment of qualifications is published on the website www.uninsubria.it/bandodottorati at least 5 days before the date.
Oral Test schedule	Oral tests will take place in person in Via Valleggio 11, Como, on a date between 5 and 6 September 2024, for the CV Chemical Sciences; and on September 2, 2024, for the Environmental Sciences CV ; only for foreign candidates residing abroad (excluding Ticino), it will be possible to carry out the interview on Piattaforma Teams and/or in English by making a reasoned request to the Coordinator (dottorato.disat@uninsubria.it ; alessandro.michetti@uninsubria.it) of carry out the tests remotely.



LIFE SCIENCES AND BIOTECHNOLOGY

Coordinator's name and contact details (e-mail and telephone)	Prof. Silvia Sacchi – mail silvia.sacchi@uninsubria.it – tel +39 0332 421504
Department head office	Biotechnology and Life Sciences
Reference office	Dottorato.dbsv@uninsubria.it
Website	Dottorato di Ricerca in Scienze della Vita e Biotecnologie Università degli Studi dell'Insubria (uninsubria.it) - https://www.dbsv.uninsubria.it/phdbbtc/
Scientific area	03 – Chemical sciences; 05 – Biological sciences; 06 – Medical sciences
Scientific-disciplinary fields	BIO/03; BIO/04; BIO/05; BIO/06; BIO/10; BIO/11; BIO/16; BIO/13; BIO/18; BIO/19, CHIM/11; MED/22; MED/27; MED/28; MED/30; MED/31
Research topics (please describe the topics briefly)	<p>The PhD programme develops multidisciplinary research topics in the fields of health (from the molecular mechanisms of pathologies to medical technologies for the identification of therapeutic strategies) and the environment (with particular attention to sustainability and the circular bioeconomy).</p> <p>The areas of investigation concern: the study of the structure and function of proteins; microbiological applications in the pharmaceutical and industrial fields; the development of innovative biotechnological processes through the use of enzymes, microorganisms, invertebrates; the characterization of the response of animal and plant organisms to environmental factors to improve their productivity and resistance to stress; medical biotechnologies and their application in clinical research.</p>
Main language used	English
Expected duration	3 years
Details of positions with a university scholarship and/or external funding	n. university scholarships 7
Positions without scholarship	n. 2 positions
Admission requirements – required qualification, if not yet awarded, must be obtained by 31 October of the current year and no later than the day before the start of the course	All master degree graduates (graduate degrees, single-cycle graduate degrees or other qualification obtained abroad and recognized as equivalent) can access the PhD course, especially graduates in: Biotechnology, Medicine and Surgery, Dentistry, Veterinary Medicine, Communication Sciences and Techniques, Life sciences, Pharmacy, Psychology, Chemistry and pharmaceutical technologies, Physical sciences, Environmental sciences, Engineering, Agricultural science and technology, Food preparation sciences, Sciences and animal husbandry technologies, Natural sciences, Sciences of technical health professions.
Qualifications to be assessed and documents to be attached, scoring and test procedure	
Total score: 120 points total (qualifications + tests)	
Qualifications: 60 points max	

<p>Criteria: the qualifications of the candidates will be evaluated based on their relevance to the topics of the Doctorate according to the details below. Only candidates who obtain at least 36 points in the assessment of qualifications will be admitted to the oral test.</p> <p>Qualifying test score: 60 points, qualifying tests to be divided among the various types of tests included: oral test: 60/points selection test (of which up to 10 points will be assigned for knowledge of the English language). The oral test must be taken at least partly in English. Candidates admitted away from home or residing abroad will be given the opportunity to take the test online, only using the Microsoft Teams platform.</p>	
<p>Details of qualifications - 60 points max. total</p>	
Maximum score: 30 pt	Master's/specialist/single cycle/old system degree mark. In the event that the degree qualification has not been obtained, the following will be assessed: the marks of the exams taken for the master's/specialist/single cycle/old system degree
Maximum score: 5 pt	Scientific publications related to the subjects of the PhD programme (max. no. 5)
Maximum score: 15 pt	Master's thesis, evaluated on the basis of relevance to the topics of the PhD programme
Maximum score: 10 pt	Curriculum of studies and other assessable qualifications: teaching activities (tutoring, teaching assistance, seminars); additional training and recognition (participation in schools, internships abroad, scholarships, awards)
<p>Documentation</p> <p>The documents must be submitted using the online Esse3 form by uploading a signed pdf following the templates</p>	
<p>Curriculum vitae and attachments</p> <p>Signed and dated Curriculum Vitae, complete with personal data, education and training, date of final dissertation (Bachelor's and Master's degrees) and corresponding marks, institution at which the qualification was obtained, work and research experience, theses and publications (list), + authorisation to process data and declaration pursuant to Presidential Decree 445/2000 art. 76: "Anyone who issues false declarations, produces false documents or uses them in the cases provided for by this Consolidated Text shall be punished pursuant to the Penal Code and the special laws on the subject. The production of a deed containing data no longer corresponding to the truth is equivalent to the use of a false deed." (add information as deemed necessary). Use CVeuropass</p> <p>The following documents must be submitted to provide information on the qualifications that will then be assessed on the basis of the self-certification:</p> <p>Qualifications: Master graduates: Self-certification, acquired from the university's electronic record or prepared using the template, dated and signed in person or digitally, the degree title (Master's degree or equivalent), containing a list of the exams with the marks, the title of the dissertation, an indication of the university that awarded the degree, the date of award and the final mark Graduating students: Self-certification acquired from the institution's electronic record or prepared using the template, dated and signed by hand or digitally with:</p>	



	<p>1. List of Master's degree exams with grades. Please specify the expected date of the Master's degree final dissertation (by 31 October of the current year)</p> <p>2. Bachelor's degree with date, final grade and list of exams with grades</p> <p>Final dissertation (Master's degree) or detailed summary of the thesis (in .pdf format)</p> <p>List of publications, if any, including conference presentations (template) obligatorily indicating the DOI if open source, or attaching full article</p> <p>Up to a maximum of ____</p> <p>Additional qualifications (template): specialisation courses, PhD programmes, Master's courses, awards;</p> <p>Further qualifications (template): research grants and scholarships, tutoring, teaching activities (seminars, teaching contracts, teaching support), collaborations in research activities, awards, any other qualification deemed useful by the candidate for the purposes of evaluation;</p> <p>Reference letters (up to three), from university lecturers or researchers with whom the candidate has worked (candidates must enter the name and e-mail address of the contact person(s) identified when registering online for the competition and the letters will be submitted directly by the contact persons in the online procedure). The letters must specify the institutional role of the letter writer in his/her institution, the type of relationship he/she had with the candidate and provide an objective assessment of the candidate's skills and performance with reference to similarly experienced students known during his/her career, specifying the candidate's strengths and weaknesses, with reference to his/her potential to successfully complete the PhD programme. Reference letters can be submitted in the online procedure up to the closing date of the announcement. List of submitted titles (template).</p>
<p>Type of tests (specify the time schedule of the different tests or which test will be used)</p>	<p>The dates of the interviews will be communicated after the publication of the qualification evaluation ranking. The interviews of the admitted candidates will be carried out in person. Upon reasoned request to the president of the Evaluation Commission, candidates away from home or residing abroad will be able to take the oral test online, only using the Microsoft Teams platform. The Evaluation Commission will send the links to the admitted candidates who have requested them after the publication of the qualification evaluation ranking.</p> <p>Candidates will be asked to: 1) discuss their scientific interests and their motivations for undertaking the training course of this Research Doctorate; 2) present proposals for the development of one of the available research projects (shown below), illustrating aims, methodologies, implementation times and any critical issues; 3) demonstrate one's scientific solidity, methodological skills and ability to discuss recent discoveries in the research areas of the Doctoral Course; 4) take at least part of the interview in English to assess knowledge of the English language.</p> <p>Available research projects:</p> <ol style="list-style-type: none">1. Prof. Bernardini, Prof.ssa Gornati

	<p>" Micro and nano plastics: evaluation of biological responses in animal and cell models "</p> <p>2. Prof. Piubelli, Prof. Pollegioni</p> <p>" D-amino acids metabolism in human brain: role in health and disease "</p> <p>3. Prof. Molla</p> <p>" Development of sustainable synthetic biology processes for the recycling and upcycling of waste feedstocks "</p> <p>4. Prof.ssa Sacchi, Prof.ssa Campomenosi</p> <p>" Investigating the role of proline dehydrogenase in tumor progression and cancer cell resistance to tyrosine kinase inhibitors "</p> <p>5. Prof.ssa Orlandi</p> <p>" The response of microbial cells to the visible light: stressor and potential antimicrobial strategy for applications in feed/food, clinical and industrial fields "</p> <p>6. Prof. Battaglia</p> <p>"Sarcomas of the sinonasal tract: new frontiers in management of rare entities based on their biological fingerprint"</p> <p>7. Prof. Montagnoli</p> <p>" Unveiling the influence of micro and nano plastics pollution on plant growth and tissues concentration: the interplay with other pollutants and biochar amendment"</p> <p>8. Prof.ssa Marinelli</p> <p>"Study of antibiotic resistance genes mobilized in an aquatic environment subjected to various levels of contamination"</p> <p>9. Prof. Battaglia</p> <p>" Artificial muscle for long-standing facial paralysis: characterization studies on innovative contractile polymers with related implantable stimulation system and preclinical studies in animal models "</p>
<p>Admission to the first test/assessment of qualifications</p>	<p>Only candidates who obtain at least 36 points in the assessment of qualifications will be admitted to the selection tests, which will be considered passed with a score of at least 40 points.</p> <p>The list of those admitted to the test is published on the website https://www.uninsubria.eu/course-catalogue/course-list/phd-doctoral-programs normally 5 days before the date of the test</p>
<p>Test schedule</p>	<p>The period and location of the event will be published on the site well in advance.</p> <p>You can ask the Coordinator (dottorato.dbsv@uninsubria.it) to carry out the tests remotely, giving the reason.</p>