

ADVANCED RESEARCH IN ECONOMICS AND MANAGEMENT	
CYCLE	XLI
COORDINATOR	Prof.ssa Beatrice LUCERI email: <a href="mailto:beatrice.luceri@unipr.it">beatrice.luceri@unipr.it</a> Department of Economics and Management
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
PARTNER INSTITUTION	<ul style="list-style-type: none"> <li>University Cattolica del Sacro Cuore</li> </ul>
POSITIONS PUT OUT TO COMPETITION	8
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> <li>Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> <p>Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b></p>
TRAINING OBJECTIVES	
<p>The <b>PhD in Advanced Research in Economics and Management</b> is a highly qualified, three-year programme designed to cultivate researchers who possess the methodological rigour and innovative vision necessary to address the challenges posed by research in the economic and managerial sciences. The course is a progression from the previous PhD in Economics and Management of Innovation and Sustainability, building on the strengths of that programme and incorporating opportunities for improvement. This enhancement is facilitated by the active involvement of PhD students and stakeholders.</p> <p>The programme provides doctoral students with a robust interdisciplinary foundation, sophisticated analytical instruments and competencies in qualitative-quantitative methodologies, thereby orienting them towards the establishment of profiles that can contribute to both scientific advancement within the academic domain and the development of research activities in public institutions, private companies and international organisations. The didactic framework in its entity is conceived with the objective of honing the critical spirit, consolidating project management and fostering the participants' scientific autonomy.</p> <p>The organisation of the doctoral programme is developed along three main axes, which define the overall framework of the training experience.</p> <ul style="list-style-type: none"> <li><b>Methodological training:</b> The doctoral students will acquire advanced skills in economic and managerial analysis, focusing on both quantitative methods and qualitative analysis. The programme places particular emphasis on computational techniques and tools for collecting, processing and interpreting data.</li> <li><b>Disciplinary specialisation:</b> Each doctoral student is assigned to a research group that aligns with their academic discipline, thereby facilitating a tailored and comprehensive training programme aimed at cultivating a dissertation that is both scientifically robust and innovative.</li> <li><b>International experience:</b> Participation in research programmes at foreign universities and centres of excellence is strongly encouraged, with the aim of fostering comparison with advanced methodologies and integration into international scientific networks.</li> </ul> <p>The training path is articulated in the following phases:</p> <ul style="list-style-type: none"> <li><b>Year 1</b>, acquisition of core research competencies and definition of the dissertation project;</li> <li><b>Year 2</b>, development of the dissertation and a visiting research period at international universities or research centres;</li> <li><b>Year 3</b>, completion of the dissertation and participation in national and international scientific conferences.</li> </ul>	


## RESEARCH AREAS

- Innovation and competitiveness: industrial policies and sustainable growth models
- Branding and value creation: impact of innovation on marketing and consumer behaviour
- Corporate governance and innovation: new models of control and performance measurement
- Corporate finance: capital structure, investment strategies and risk management
- Innovation and sustainability in agrifood supply chains
- Ethics and sustainability in the relations between economy, business and society
- Other research topics consistent with the scientific field of the members of the PhD Academic Board

## Position with Scholarship

N°	Funding entity	Research Topic
2	Scholarship funded by University of Parma (Ministerial funds)	
1	Scholarship co-funded by Fondazione Cariparma (University of Parma)	
1	Scholarship funded by University Cattolica del Sacro Cuore	
1	Scholarship funded by University Cattolica del Sacro Cuore	Economics and Management Towards New Paradigms: Measurements and Models for a Balance Between Social and Environmental Sustainability

## Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)

N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by AIEF (Associazione Italiana Educatori Finanziari)	Financial Education and Educational Technologies: A Comparison of Different Learning Modalities
1	Scholarship funded by EMILIA ROMAGNA REGION PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025 - CUP D92J25000110002) 	Organizational Innovation in Short Food Supply Chains in Emilia-Romagna: Theories, Best Practices, and Analytical Tools
1	Scholarship funded by EMILIA ROMAGNA REGION PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025 - CUP J33C25000580002) 	Corporate and Territorial Welfare for Workplace Well-being in the Digital Society

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 60 points  
(a minimum score of 40 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 60 points  
**Minimum score for ELIGIBILITY:** 70/120

## ORAL EXAM PROGRAM

<b>THE ORAL EXAM TAKES IN THE PRESENCE</b> and with the possibility of carrying out the interview <b>REMOTELY</b> for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit <b>a motivated REQUEST</b> as per the model attached to the competition announcement).		
The ORAL test involves the presentation and discussion of the research project by the candidate without the aid of any powerpoint presentation or other applications, and is aimed at verifying the candidate's aptitude for scientific research and his general preparation on topics related to the research topics of the doctoral course.		
<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The verification of knowledge of this language will consist of reading and translating a scientific text in English. For foreign candidates, basic knowledge of the <b>ITALIAN LANGUAGE</b> will also be verified.


SCHEDULE OF THE ADMISSION EXAMS		
<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	9 <sup>th</sup> September
	<b>TIME</b>	09:00 am (Italian Time)
	<b>PLACE</b>	ROOM D Department of Economics and Management Via J.F. Kennedy, 6 43125 PARMA - ITALY
<b>FURTHER INFORMATION</b>		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam.</b> <u>The PhD research topic will be assigned by the Academic Board.</u>
		<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b> For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
<b>ANNEX A</b>	(art. 3.2 of the Competition notice)
<b>Identification Document</b>	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae et studiorum</b>	No specific CV format is required (see art. 3.2 of the Competition notice)
<b>Abstract of degree thesis</b>	<b>Abstract of the second cycle master's degree thesis.</b> Undergraduate applicants must submit the <b>draft of the thesis approved by their supervisor</b> (abstract/draft of the thesis: 8.000 characters including spaces)
<b>Academic Qualifications</b>	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).

Research Project	Written in Italian or in English, according to the format attached to the competition notice (max 8.000 characters including bibliography and spaces), It will have to focus on an original research topic (unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Score related to the final mark or to the average of the exam marks for graduands.	Up to 10 points
Graduation thesis	Congruence with the research topics of the PhD course and quality of the research methodology	Up to 15 points
Research Project	The project will be evaluated based on the scientific value, the originality of the proposal, the articulation, the feasibility of the proposal and the consistency with the themes of the doctorate.	Up to 22 points
Statement of Research Interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	Up to 6 points
Scientific Publications	Monographs, articles in scientific journals, chapters of books, convention papers. The assessment will be carried out with a view to accessing the PhD course and taking into account the degree of maturity required for the specific position. Only publications of which a copy has been included among the qualifications presented will be evaluated and not any publications cited exclusively in the curriculum and / or in the form of a list.	Up to 3 points
Other qualifications	Qualified professional experiences (in the case of professional experiences, continuous and lasting ones will be privileged - at least one semester - and will be evaluated only if they are recognized as functional to the acquisition of skills, experience and qualification in the research areas covered by the specific doctoral course ); other academic qualifications (masters, advanced courses, at least two-monthly training courses provided by university-level training institutions or bodies); didactic, seminar or university training experiences.	Up to 4 points
EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS
The ORAL EXAM includes the presentation of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"><li>○ knowledge of the foreign language</li><li>○ research project presentation</li><li>○ general knowledge of issues connected to the PhD course</li></ul>	Up to 60 points

BIOTECHNOLOGY AND LIFE SCIENCE	
CYCLE	XLI
COORDINATOR	Prof.ssa Elena MAESTRI email: <a href="mailto:elena.maestri@unipr.it">elena.maestri@unipr.it</a> Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	6
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<p>The Ph.D. Course in Biotechnology and Life Sciences aims to train experts to carry out advanced research in the field of biological disciplines and biotechnology. The research topics of the Ph.D. Course are concerned with the study of the function, organization and expression of the genome of microbial, plant and animal organisms (including human beings), in order to deepen the basic knowledge, also with a view to possible applications in biotechnology. The methodologies used are mainly those of genomics, including functional genomics, genetics, molecular biology, biochemistry, applied biology and computational biology. Building on this common goal and a strongly cross-cutting advanced teaching activity, to train PhDs with highly qualifying skills in specific areas of Biotechnology and Life Sciences, three main areas of research have been identified as follows: 1) environmental biotechnologies; 2) genetic and evolutionary biotechnologies; and 3) molecular biotechnologies. PhD students will be involved full-time in a research project, to which they will also make critical and propositional contributions. In this way, they will acquire a marked scientific and managerial autonomy, also thanks to the numerous scientific collaborations, national and international, in which they will be involved.</p>	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• Environmental biotechnologies</li> <li>• Genetic and evolutionary biotechnologies</li> <li>• Molecular biotechnologies</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic
1	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>• Genetic and evolutionary biotechnologies</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> <li>• Molecular biotechnologies</li> </ul>

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Centre Biopharmanet TEC	<b>RESEARCH TOPIC Molecular biotechnologies</b> Omics-based approaches for the characterization of cardio-pulmonary diseases
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Centre Biopharmanet TEC	<b>RESEARCH TOPIC Molecular biotechnologies</b> CRISPR-Cas9 Screening for Identification of Epigenetic Regulators of COPD (Chronic obstructive pulmonary disease)
1	Scholarship partly financed with UNIVERSITY funds and co-financed by Consorzio Interuniversitario Nazionale per le Scienze Ambientali CINSIA	<b>RESEARCH TOPIC Environmental biotechnologies</b> Biotechnologies in environmental studies: emerging pollutants, sustainability in agri-food production, food , persons and environmental health
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025 - CUP D92J25000110002) 	<b>RESEARCH TOPIC Environmental biotechnologies</b> Circularity for green transition in agro-industrial supply chains in Emilia-Romagna: from residues to amendments for soil health

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 40 points (a minimum score of 18 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 80 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM		
<p><b>The ORAL EXAM WILL BE HELD IN PRESENCE</b> and with the possibility of carrying out the interview <b>REMOTELY</b> for candidates residing abroad or temporarily abroad for study / work reasons or with objective difficulties in reaching the exam location. To this end, candidates must submit <b>a motivated REQUEST</b> as per the model attached to the competition announcement)</p>		
<p>The Oral Exam will focus on critical reading and discussion of a scientific article chosen by the candidate among those proposed by the Committee within the each of the three main research topics. Candidates will be asked by the Committee members to discuss and explain the contents of the scientific publication they have selected.</p> <p><b>The choice of one or more of research topic must be indicated in the application form ANNEX A.</b></p>		
<p><b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam</p>	<p><b>ENGLISH</b></p>	<p>The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text or by taking the oral exam entirely in English.</p>

SCHEDULE OF THE ADMISSION EXAMS		
ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	4 <sup>th</sup> September 2025 (with possible extension in the following day)
	TIME	09:00 am (Italian Time)



	<b>PLACE</b>	ROOMS A + B and nearby classrooms PODERE AMBOLANA MORONI Parco Area delle Scienze, 33/A - Campus Universitario 43124 PARMA - ITALY
<b>FURTHER INFORMATION</b>	<b>The choice of the research area to be expressed in Annex A is MANDATORY and determines the choice of the topic of discussion of the oral exam.</b> The candidate can choose multiple Bounded Research Topic from the same AREA – the choice is also possible on the same day as the oral exam.	
	<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b>	For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 5 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 20 points; - 110: 18 points; - From 103 to 109: points 4-16 (2 points for each mark unit); - Until 102: 3 points.	Up to 20 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2025)	Score related to the average of the exam marks: - 30/30: 18 points; - From 22/30 to 29/30: points 2-16 (2 points for each unit average score)	Up to 18 points
Graduation thesis	Consistency of the Master’s Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	Up to 6 points
Scientific Publications	Publications in indexed international journals (WOS, Scopus): 2 points for each publication (for evaluation purposes <b>it is mandatory to attach</b> a pdf copy of each publication to the application)	Up to 6 points

<b>Communications to conferences, publication in indexed national journals, book chapters</b>	1 point for each conference abstract, publication in indexed national journals or book chapters (for evaluation purposes <b>it is mandatory to attach</b> a pdf copy of each term to the application)	<b>Up to 3 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM</b> is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<p>The candidates will be summoned individually by the Examination Board to discuss the contents of the scientific publication they have selected from the proposals relating to the research topic. During this test, knowledge of the English language will also be assessed.</p> <p>The evaluation is based on the candidate's preparation and the critical sense demonstrated.</p>	<b>Up to 80 points</b>



PHYSICS	
CYCLE	XLI
COORDINATOR	Prof.ssa Raffaella BURIONI email: <a href="mailto:raffaella.burioni@unipr.it">raffaella.burioni@unipr.it</a> Department of Mathematical, Physical and Computer Sciences
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	8
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
<b>TRAINING OBJECTIVES</b> <p>The PhD Program in Physics, which lasts three years, is established as a unifying element for all third-level university education in the field of Physics. In addition to the primary focus on research activities, the program includes a training and study component consisting of advanced courses and participation in national and international schools. Students are encouraged to spend part of their time abroad to engage in scientific collaborations in their respective fields of interest and to attend advanced courses relevant to their research program. Over the course of the three years, the teaching commitment is gradually reduced in favor of full-time independent research activity. The training progress is evaluated at the end of each year through open seminars. Independent scientific research is expected to lead to the publication of results in international peer-reviewed journals. The target of the PhD in Physics is to provide high-level professional training that can be applied both in academic settings and in public or private research centers and laboratories. The PhD in Physics is structured into three specializations, corresponding to the main disciplinary groups within the Physical Sciences in which the Department of Mathematical, Physical and Computer Sciences carries out its research activities: Condensed Matter and Materials Physics, Theoretical Physics, Biophysics and Applied Physics.</p>	
<b>RESEARCH AREAS</b> <ul style="list-style-type: none"> <li>• Multiferroic heterostructures for electrical control of magnetism and quantum transport (Bound Research Topic)</li> <li>• Modeling Chirality-Induced Spin Selectivity in Electron Transfer for Quantum Applications (Bound Research Topic)</li> <li>• Non-fullerene acceptors for efficient vacuum-processed organic photovoltaic (Bound Research Topic)</li> <li>• New aspects and applications of field theories (Bound Research Topic)</li> <li>• Archaeometric analysis of glass and ceramics from Roman villas in Italy and France</li> <li>• Intrinsic Dynamics of Emulsion, from Experiments on Earth and in Microgravity</li> <li>• Computational gastronomy: networks, ingredients and culinary structures in complex food systems</li> <li>• Inverse problems in quantum field theories</li> <li>• Stochastic Dynamics and Large Deviations in High-Dimensional Learning: A Statistical Physics Perspective on Deep and Recurrent Neural Networks</li> <li>• Development of models of new physics and their cosmological analysis using galaxy survey data</li> <li>• Control of many-body quantum systems for quantum technologies</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic
2	Scholarship funded by University of Parma (Ministerial funds)	
1	Scholarship co-funded by Fondazione Cariparma	
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Mathematical, Physical and Computer Sciences (funds Project PRIN 2022 Settore ERC PE3 “Berry phase Engineering with Antiferromagnets and Topological Insulators (BEAT)” – Cod. Project 2022LP5K7Z - CUP D53C24003310006 and funds Project UNIPR-Diamond Light Source) 	Multiferroic heterostructures for electrical control of magnetism and quantum transport
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Mathematical, Physical and Computer Sciences (funds Project CASTLE - ERC-2022-SYG PROGRAM HORIZON EUROPE, G.A. n. 101071533, CUP D93C22001170006”)	Modeling Chirality-Induced Spin Selectivity in Electron Transfer for Quantum Applications
1	Scholarship funded by INFN – The Italian National Institute for Nuclear Physics	New aspects and applications of field theories
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002) 	Non-fullerene acceptors for efficient vacuum-processed organic photovoltaic

POSITION RESERVED	
Reserved to <b>Holders of RESEARCH GRANT</b> within the Project MARIE SKLODOWSKA-CURIE ACTIONS – COFUND “Training Future Big Data Experts for Europe ( <b>FutureData4EU</b> )”	<b>1</b>

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 50 points (a minimum score of 20 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 70 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM
<b>Applicants admitted to the ORAL EXAM can take it either in PRESENCE or REMOTELY in Audio and Video Teleconference</b> (Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)

<b>Foreign Language</b> the fluency of which shall be assessed	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist of carrying out part of the interview in English
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<b>SCHEDULE OF THE ADMISSION EXAMS</b>		
<b>ASSESSMENT OF QUALIFICATIONS</b>	It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam	
<b>ORAL EXAM</b>	<b>DATE</b>	3 <sup>rd</sup> September 2025 (with possible extension in the following days)
	<b>TIME</b>	09:00 am (Italian time)
	<b>PLACE</b>	Department of Mathematical, Physical and Computer Sciences PHYSICS BUILDING Parco Area delle Scienze, 7/A – Campus 43124 PARMA – ITALY
<b>FURTHER INFORMATION</b>		<p>The Oral Exam will focus on the description of the research work carried out to prepare the Graduation Thesis for the Laurea Magistrale/Specialistica, as well as on the research project that the candidate proposes to carry out within the research topics of the Research Doctorate Program in Physics at the Department of Mathematical, Physical and Computer Sciences of the University of Parma which are described at <a href="https://corsi.unipr.it/en/phd-fis/progetti">https://corsi.unipr.it/en/phd-fis/progetti</a></p> <p>In the application to participate in the competitive examination, the candidate must choose and specify one research topic. The candidate may indicate a second priority choice.</p> <p>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</p>

<b>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</b>	
<b>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</b>	
<b>ANNEX A</b>	(art. 3.2 of the Competition notice)
<b>Identification Document</b>	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae et studiorum</b>	No specific CV format is required (see art. 3.2 of the Competition notice)
<b>Abstract of degree thesis</b>	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis countersigned by their supervisor.
<b>Academic Qualifications</b>	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
<b>Research Project and Statement of Research interest</b>	A brief text (max 3 pages) in English. The candidates must describe their research interests and indicate the preferred topic among those listed above, possibly suggesting a second choice theme. For the first choice theme, candidates must outlay an original research project including a concise state of the art, the relevance of the problem and the expected results. Candidates are warmly invited to contact the potential supervisors listed at <a href="https://corsi.unipr.it/en/phd-fis/progetti">https://corsi.unipr.it/en/phd-fis/progetti</a>

	<u>The presented project does not represent a constraint with respect to the following choice of the doctoral thesis</u> , that shall be defined together with the supervisor and approved by the Academic Board.	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 25 points
Graduation thesis	Consistency of the Master’ Degree thesis with the doctoral program research topics. The assessment will make use of the information contained in the abstract (max 1 page) of the thesis (although not yet discussed, in this case countersigned by the thesis supervisor) and in the curriculum, where a brief description of the thesis work should be reported.	Up to 5 points
Research Project and Statement of Research Interest	The project will be evaluated in relation to its scientific value and originality. The motivation expressed by the candidate in relation to the themes of the research doctorate will be evaluated	Up to 10 points
Other qualifications	Publications, awards, presentations to scientific meeting, stages, fellowships, reference letters, etc	Up to 10 points
EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS
The ORAL EXAM includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"><li>○ knowledge of the topics of the Master's degree thesis</li><li>○ research project presentation</li><li>○ general knowledge of issues connected to the PhD course</li><li>○ knowledge of the foreign language</li></ul>	Up to 70 points

CIVIL ENGINEERING AND ARCHITECTURE	
CYCLE	XLI
COORDINATOR	Prof. Andrea SPAGNOLI email: <a href="mailto:andrea.spagnoli@unipr.it">andrea.spagnoli@unipr.it</a> DEPARTMENT OF Engineering and Architecture
DURATION	3 anni
STARTING DATE OF THE PHD PROGRAM	01/11/2025
AVAILABLE POSITIONS	7
ADMISSION METHODS	Assessment of qualifications and research project Oral Examination in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree <b>by 31.10.2025</b> .
TRAINING OBJECTIVES	
To develop specialized skills in the following fields: <ol style="list-style-type: none"> <li>(1) Infrastructure and Environmental Engineering: civil infrastructures for transport; survey, management, and analysis of land data, control and monitoring of displacements and deformations at all scales; issues related to surface waters and groundwater;</li> <li>(2) Structural and Geotechnical Engineering: mechanical behaviour of materials, structural components and structures; behaviour of soils and geotechnical structures;</li> <li>(3) Architecture and Urban Planning: theoretical, formal, distributional and functional aspects in architecture; the problems related to methods for survey and to computer-graphics in architecture; issues related to the implementation and the development of urban settlements; historical, artistic, technical and aesthetic themes in the architecture of the past.</li> </ol>	
RESEARCH AREAS OF THE DOCTORAL COURSE (the candidate <b>MUST mandatorily</b> select one research area in the ANNEX A and present a research project in the selected area)	
<ul style="list-style-type: none"> <li>• Infrastructure and Environmental Engineering</li> <li>• Structural and Geotechnical Engineering</li> <li>• Architecture and Urban Planning</li> </ul>	

Posti con Borsa di Studio		
N°	Position with Scholarship	Research Topic, if any
3	Scholarship funded by University of Parma (University funds)	
1	Scholarship co-funded by Fondazione Cariparma	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by VE.I.CO.PAL. S.r.l.	OPUS - Optimisation of micropiles' design for the sustainable use of building materials
1	Financed by REGIONE EMILIA ROMAGNA (PR.FSE + 2021/2027 – DGR n. 2072 del 04/11/2024) – CUP D92J25000010006 	POSEIDON - Predictive and Operational System for Efficient Identification and Dynamic Observation of Floods under Climate Change Scenarios
1	Financed by REGIONE EMILIA ROMAGNA (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Artificial Intelligence support for efficient pavement management and maintenance planning

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 70 points (a minimum score of 40 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 50 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAMINATION INDICATION		
<b>Applicants admitted to the ORAL EXAM can take it either in PRESENCE or REMOTELY in Audio and Video Teleconference</b> (Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)		
The ORAL EXAMINATION includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of research areas related to the PhD course.		
Foreign language	ENGLISH	The language for which the fluency must be assessed during the Oral Examination. The assessment of knowledge of this language will be oral and will consist in reading and translating a scientific text.

SCHEDULE OF THE ADMISSION EXAMS		
EVALUATION OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/">http://unipr.esse3.cineca.it/</a> in the days preceding the date of the Oral Exam.
ORAL EXAM	DATE	8 September 2025, with possible extension to the following day
	TIME	09:30 AM (Italian Time)
	PLACE	Department of Engineering and Architecture Parco Area delle Scienze, 181/A 43124 PARMA - ITALY

<b>OTHER INFORMATION</b>	The choice of the research area to be expressed in Appendix A is not binding on the assignment of the PhD research topic, but is intended to assess the candidates' skills during the admission examination. The PhD research topic will be assigned by the Board of Lecturers.	
	<b>THE INTERVIEW MAY ALSO TAKE PLACE IN ENGLISH</b>	For foreign candidates, it is possible to take the admission tests in English only. For Italian candidates, it is possible to take the admission tests in Italian or English, at the candidate's choice.



<b>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</b>	
<b>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</b>	
<b>ANNEX A</b>	(art. 3.2 of the Competition Notice)
<b>Identification Document</b>	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae et studiorum</b>	No specific CV format is required (see art. 3.2 of the Competition notice)
<b>Abstract of degree thesis</b>	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
<b>Academic Qualifications</b>	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
<b>Research Project</b>	The research project shall consist of a maximum of 3 pages, be written in Italian or in English, and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results. The project must focus on an original research topic (unpublished, personally developed by the candidate) related to the topics listed in <a href="https://corsi.unipr.it/en/phd-ica/tematiche-di-ricerca">https://corsi.unipr.it/en/phd-ica/tematiche-di-ricerca</a> . <b>It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project.</b> <u>It does not represent a constraint with respect to the following choice of the doctoral thesis</u> , that shall be defined together with the supervisor and approved by the Academic Board. Il Progetto di Ricerca <u>non costituisce vincolo alla successiva scelta del tema di ricerca di dottorato</u> , che sarà assegnato dal Collegio dei Docenti.
<b>Statement of Research Interest</b>	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests
<b>FURTHER QUALIFICATIONS THAT MAY BE ATTACHED TO THE APPLICATION, IF IN POSSESSION OF THE APPLICANT</b>	
<b>Reference Letters</b>	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities. The reference letters must sent directly by the signer to the address e-mail: <a href="mailto:spagnoli@unipr.it">spagnoli@unipr.it</a> . Reference letters sent directly by the candidate or received in any other way will not be evaluated.
<b>Scientific Publications</b>	A maximum of 2 articles on national and international journals, papers presented at conferences or symposia, book chapters etc.
<b>LIST OF EVALUABLE QUALIFICATIONS</b>	
(only qualifications attested by a document drawn up in Italian or in English)	

<b>Curriculum Vitae et studiorum</b>	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. Mandatory: <b>Statement of Research Interest</b> Not mandatory: <b>Reference Letters</b>	<b>Up to 30 points</b>
<b>Graduation mark</b>	---	<b>Up to 5 points</b>
<b>Average of the exam marks</b> (if the candidate will attain the degree no later than 31st October 2023)	---	<b>Up to 5 points</b>
<b>Graduation thesis</b>	Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae by attaching the abstract of the degree thesis or draft of the thesis approved by the supervisor)	<b>Up to 6 points</b>
<b>Research Project</b>		<b>Up to 25 points</b>
<b>Scientific Publications</b>		<b>Up to 4 points</b>
<b>ORAL EXAM</b>		
<b>Interview program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM</b> includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of research areas related to the PhD course	<ul style="list-style-type: none"> <li>○ knowledge of the foreign language</li> <li>○ research project presentation</li> <li>○ general knowledge of research areas related to the PhD course</li> </ul>	<b>Up to 50 points</b>



INDUSTRIAL ENGINEERING	
CYCLE	XLI
COORDINATOR	Prof. Alessandro TASORA email: <a href="mailto:alessandro.tasora@unipr.it">alessandro.tasora@unipr.it</a> Department of Engineering for Industrial systems and Technologies
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	November 1st 2025
POSITIONS PUT OUT TO COMPETITION	7
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<p>The PhD Program in Industrial Engineering aims to provide participants with an in-depth understanding of the covered topics, with the goal of achieving a cultural and professional preparation suitable both for integration into industrial production units and into public or private research and development organizations. The PhD program focuses on advanced numerical, analytical, and experimental techniques, enabling the PhD graduate to address technical and scientific challenges in Industrial Engineering. It also fosters managerial and organizational skills that ensure professional autonomy and the ability to quickly integrate into collaborative environments alongside other researchers and professionals within institutions or companies. The internationalization phase included in the three-year curriculum allows for the establishment of relationships with foreign institutions, offering PhD graduates the opportunity to engage in a scientific context that goes beyond national borders.</p>	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• Theoretical, applied and material mechanics; material technology; continuum and structural mechanics; machine design; measurements and diagnostics;</li> <li>• Economic, organizational, managerial, logistical, plant-related and legal aspects in engineering;</li> <li>• Energy systems, thermodynamics and fluid dynamics, machinery, technical physics;</li> <li>• Industry 4.0 and future developments.</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic, if any
1	Scholarship co-funded by Fondazione Cariparma	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Company Kosme S.r.l.	Characterization of chemical-mechanical properties of plastic materials for stretch-blow moulding process used in the beverage sector
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed the Company System Logistics S.p.A.	Characterization of the mechanical behavior (static/dynamic) of materials at very low temperatures and evaluation of different types of structural joints, in particular welds, at such temperatures.
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Company Casappa S.p.A.	Development of hydraulic pumps for electro-actuated solutions operating over very wide rotation speed ranges.
1	Scholarship partly financed with MINISTERIAL funds and co-financed by the Department of Engineering for Industrial systems and Technologies	Development of advanced tools for modeling, design and optimization of industrial systems, such as numerical simulation (FEM and CFD), modular and scalable design, intelligent automation and development of digital twins (Digital Twin)
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	Enhancing digitalization and sustainability in manufacturing through machine learning and data-driven optimisation
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	Design, production and characterization of polymer matrix materials for sustainable packaging

### ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 70 points  
(a minimum score of 40 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 50 points  
**Minimum score for ELIGIBILITY:** 70/120

### ORAL EXAM PROGRAM

**Applicants admitted to the ORAL EXAM can take it either in PRESENCE or REMOTELY in Audio and Video Teleconference**  
(Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)

The ORAL test involves the presentation and discussion of the research project by the candidate and is aimed at verifying the candidate's aptitude for scientific research and his general preparation on topics related to the research topics of the doctoral course

**Foreign Language**  
the fluency of which shall be assessed during the Oral Exam

**ENGLISH**

The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text

### SCHEDULE OF THE ADMISSION EXAMS

ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	8 <sup>th</sup> September 2025 (with possible extension in the following days)
	TIME	09:00 am (Italian Time)
	PLACE	Master Room – Building 3 Department of Engineering for Industrial Systems and Technologies Parco Area delle Scienze, 181/A - Campus 43124 PARMA - ITALY
FURTHER INFORMATION		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam.</b> <u>The PhD research topic will be assigned by the Academic Board.</u>
		<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b> For foreign candidates, the admission examinations may be held in English at the candidate’s choice.


LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcripts of records for both Bachelor and Master degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice. It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can make use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 25 points
Graduation thesis	Consistency of the Master’s Degree thesis with the doctoral program research topics	Up to 10 points

<b>Research Project</b>	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"> <li>○ Scientific value and or originality of the proposal</li> <li>○ description and structure of the proposal</li> <li>○ proposal feasibility</li> </ul>	<b>Up to 15 points</b>
<b>Statement of Research Interest</b>	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	<b>Up to 5 points</b>
<b>Scientific Publications</b>	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	<b>Up to 5 points</b>
<b>Reference Letters</b>	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities. They must be uploaded directly by the signatory to the <b>REFERENCE LETTER</b> folder. The file must be named "Candidate's Surname and Name – Reference Letters - PhD in Industrial Engineering". The candidate, therefore, must not upload them through the procedure of online registration for the competition.	<b>Up to 5 points</b>
<b>Other Academic qualifications</b>	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	<b>Up to 2 points</b>
<b>Other experiences (training, work, research, teaching, etc.)</b>	<ul style="list-style-type: none"> <li>– Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units</li> <li>– Working activity</li> <li>– Professional and/or training internship</li> <li>– Language proficiency certificates</li> <li>– Periods of study abroad, outside the country of origin (e.g. Erasmus program or other similar mobility programs)</li> <li>– Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)</li> </ul>	<b>Up to 3 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM</b> includes the presentation of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ research project presentation</li> <li>○ general knowledge of issues related to the PhD course</li> <li>○ knowledge of foreign languages</li> </ul>	<b>Up to 50 points</b>

MOLECULAR MEDICINE	
CYCLE	XLI
COORDINATOR	Prof. Prisco MIRANDOLA email: <a href="mailto:prisco.mirandola@unipr.it">prisco.mirandola@unipr.it</a> Department of Medicine and Surgery
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	7
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
The Research Doctorate Course in Molecular Medicine aims to provide PhD students with the cultural and methodological skills necessary to carry out high-profile research in different scientific disciplines in the biomedical field, integrated in an interdisciplinary perspective. The acquired training will allow PhDs in Molecular Medicine to employ themselves in high level research and development activities in Universities, research centres and industries engaged in the medical, biological and biotechnological sectors.	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• In vitro study of the role of inflammatory cytokines in the phenotypic transition of epithelial and vascular cells.</li> <li>• Risk stratification in oral squamous cell carcinoma (OSCC) based on new salivary biomarkers (miRNA)</li> <li>• Role of the DDIT4 Protein in Chemoresistance Mechanisms</li> <li>• Salivary diagnostics and oral toxicity in patients affected by infiltrating ductal breast carcinoma undergoing immunotherapy and/or with targeted molecular therapies.</li> <li>• Study and design of bioactive materials for the repair of bone and mucosal defects in the oral cavity and jaw bones</li> <li>• Study and design of novel score systems for the late PMI estimation.</li> <li>• The impact of plant-based diets on the increasing incidence of orthorexia nervosa in Emilia-Romagna: sustainable eating but unsustainable.</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic
1	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>• In vitro study of the role of inflammatory cytokines in the phenotypic transition of epithelial and vascular cells.</li> <li>• Risk stratification in oral squamous cell carcinoma (OSCC) based on new salivary biomarkers (miRNA)</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC

1	Scholarship funded by Department of Medicine and Surgery (funds AIRC Project Start-up 2024 ID 30579)	Role of the DDIT4 Protein in Chemoresistance Mechanisms
1	Scholarship funded by Department of Medicine and Surgery (funds Prof. Meleti))	Salivary diagnostics and oral toxicity in patients affected by infiltrating ductal breast carcinoma undergoing immunotherapy and/or with targeted molecular therapies
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Medicina and Sugery (funds Prof.ssa Bugelli)	Study and design of novel score systems for the late PMI estimation
1	Scholarship funded by The Italian National Research Council C.N.R. - ISSMC	Study and design of bioactive materials for the repair of bone and mucosal defects in the oral cavity and jaw bones
1	Scholaship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	The impact of plant-based diets on the increasing incidence of orthorexia nervosa in Emilia-Romagna: sustainable eating but unsustainable.

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 60 points  
 (a minimum score of 10 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 60 points  
**Minimum score for ELIGIBILITY:** 70/120

## ORAL EXAM PROGRAM

### THE ORAL EXAM TAKES PLACE IN THE PRESENCE.

The ORAL test involves the presentation and discussion of the research project by the candidate and is aimed at verifying the candidate's aptitude for scientific research and his general preparation on topics related to the research topics of the doctoral course

**Foreign Language**  
 the fluency of which shall be assessed during the Oral Exam

**ENGLISH**

The evaluation of the knowledge of this language will be by an oral examination and will consist in translating of a scientific text.

## SCHEDULE OF THE ADMISSION EXAMS

### ASSESSMENT OF QUALIFICATIONS

It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <http://unipr.esse3.cineca.it/Home.do> in the days preceding the date of the Oral Exam

### ORAL EXAM

#### DATE

10<sup>th</sup> September 2025

#### TIME

10:30 am (Italian Time)

UNIVERSITÀ DI PARMA

Via Università, 12 - 43121 Parma

[www.unipr.it](http://www.unipr.it)

	<b>PLACE</b>	Department of Medicine and Surgery Via Gramsci, 14 43126 PARMA - ITALY	
<b>FURTHER INFORMATION</b>		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u></b>	
		<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b>	For foreign candidates, the admission examinations may be held in English at the candidate's choice.


LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	<p>Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark (up to 10 points).</p> <p>It will also be evaluated the exam marks and the graduation mark (up to 5 points).</p> <p>Score related to the final mark:</p> <ul style="list-style-type: none"><li>- 110 with honours (magna cum laude): 5 points;</li><li>- 110: 3 points;</li><li>- From 100 to 109: 0,2 point for each mark unit</li></ul> <p>Score related to the average of the exam marks (only for the candidate will attain the degree no later than 31 October 2023):</p> <ul style="list-style-type: none"><li>- &gt; 28/30: 5 points</li><li>- &gt; 27/30: 3 points</li><li>- &gt; 25/30: 1 point</li></ul>	Up to 15 points

<b>Graduation thesis</b>	Consistency with the research themes of the PhD course and quality of the research methodology	<b>Up to 7 points</b>
<b>Research Project</b>	Points relating to the research project: <ul style="list-style-type: none"> <li>○ Scientific value and originality of the proposal: max 2.5 points</li> <li>○ articulation of the proposal: max 2.5 points</li> <li>○ proposal feasibility: max 2.5 points</li> <li>○ consistency with the research themes of the PhD course: max 2.5 points</li> </ul>	<b>Up to 10 points</b>
<b>Statement of Research Interest</b>	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	<b>Up to 8 points</b>
<b>Scientific Publications</b>	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc. Evaluation of the candidate's contribution and of the scientific relevance of the editorial product.	<b>Up to 7 points</b>
<b>Reference Letters</b>	A maximum of 3 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities. The candidate must upload them through the procedure of the competition online registration	<b>Up to 3 points</b>
<b>Other Academic qualifications</b>	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	<b>Up to 5 points</b>
<b>Other experiences (training, work, research, teaching, etc.)</b>	<ul style="list-style-type: none"> <li>– Research activity (basic, applied, translational, etc.) carried out in any capacity, including under research grants and as a member of research units.</li> <li>– Working activity</li> <li>– Professional and/or training internship</li> <li>– Language proficiency certificates</li> <li>– Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes)</li> <li>– Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)</li> </ul>	<b>Up to 5 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM includes the presentation of the research project</b> and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ knowledge of the foreign language: max 4 points</li> <li>○ ability to argue the project proposal: max 28 points</li> <li>○ knowledge of chosen topic: max 28 points</li> </ul>	<b>Up to 60 points</b>



MICROBIOTA AND HEALTH	
CYCLE	XLI
COORDINATOR	Prof. Marco VENTURA email: <a href="mailto:marco.ventura@unipr.it">marco.ventura@unipr.it</a> Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	5
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS Oral Exam in PRESENCE
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
The main aim of the PhD in "Microbiota and Health" is to train PhDs who are experts in the study of the microbiota in physiological and pathological conditions and of possible translational applications, which constitute a useful premise for carrying out innovative and advanced research in various fields of clinical medicine and basic and applied biology	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• investigation of the microbiota and its interactions with humans;</li> <li>• investigation of the microbiota and its interactions with animals;</li> <li>• investigation of the microbiota and its interactions with the environment</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic
3	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>• investigation of the microbiota and its interactions with humans and animals</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 2072 del 04/11/2024) CUP D92J25000010006 	Microbial biodiversity of environments and its impact on climate and on the wellness of the organisms, under an approach of One Health (ECOPLANET)

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 40 points  
(a minimum score of 14 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 80 points  
**Minimum score for ELIGIBILITY:** 70/120

### ORAL EXAM PROGRAM

#### THE ORAL EXAM TAKES PLACE IN THE PRESENCE.

The Oral Test will focus on the critical reading and discussion of a scientific article chosen from those proposed by the Examination Board within the research topic selected by the candidate. The candidates will be called individually by the Examination Board to discuss the contents of the scientific publication selected by them. During the oral exam he will come knowledge of the English language also assessed.

<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist in translating a scientific text
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### SCHEDULE OF THE ADMISSION EXAMS

ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	5 <sup>th</sup> September 2025 and eventually it will be extended to September, 8
	TIME	09:30 am (CET)
	PLACE	ROOM 5 BIOSCIENCES BUILDING Parco Area delle Scienze, 11/A – Campus 43124 PARMA
FURTHER INFORMATION		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam.</b> <u>The PhD research topic will be assigned by the Academic Board.</u>
		<table><tr><td><b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b></td><td>For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice</td></tr></table>
<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b>	For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice	

### LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT




#### MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION

<b>ANNEX A</b>	(art. 3.2 of the Competition notice)
<b>Identification Document</b>	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae et studiorum</b>	No specific CV format is required (see art. 3.2 of the Competition notice)
<b>Abstract of degree thesis</b>	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)

Academic Qualifications	Certificates and academic transcript of records for both Bachelor’ and Master’ degrees containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 5 points
Graduation mark	Score related to the final mark: - 110 with honors (magna cum laude): 20 points; - 110: 18 points; - From 103 to 109: points 4-16 (2 points for each mark unit); - Until 102: 3 points.	Up to 20 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2025)	Score related to the average of the exam marks: - 30/30: 18 points; - From 22/30 to 29/30: points 2-16 (2 points for each unit average score)	Up to 18 points
Graduation thesis	Consistency of the Master’s Degree thesis with the doctoral program research topics or consistency with the scientific disciplinary sectors represented in the doctoral teaching board (briefly describe the topics in the curriculum vitae)	Up to 6 points
Scientific Publications	Publications in <i>peer-reviewed</i> international journals: 2 points for each publication (for evaluation purposes it is mandatory to attach a pdf copy of each publication to the application)	Up to 6 points
Communiations to conferences, publication in indexed national journals, book chapters	1 point for each conference abstract, publication in indexed national journals or book chapters (for evaluation purposes it is mandatory to attach a pdf copy of each term to the application)	Up to 3 points
EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS
The ORAL EXAM is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	The Oral Exam will focus on the critical reading and discussion of a scientific article chosen from those proposed by the Commission in the context of the research topic selected by the candidate. Candidates will be individually called by the Commission to discuss the contents of the scientific publication selected by them. During this test, knowledge of the English language will also be assessed	Up to 80 points

NEUROSCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Luca BONINI email: <a href="mailto:luca.bonini@unipr.it">luca.bonini@unipr.it</a> Department of Medicine and Surgery
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
CURRICULA	1. Neuroscience 2. Behavioural Biology
POSITIONS PUT OUT TO COMPETITION	8
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<ul style="list-style-type: none"> <li>• Provide a global and interdisciplinary view of the proposed research areas, ensuring a high degree of specialization in research within these fields;</li> <li>• Acquire skills and abilities for the autonomous use of at least one neuroscientific investigation technique;</li> <li>• Promote the development of national and international networks and exchanges aimed at sharing and deepening the research topic addressed.</li> </ul>	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• <b>Integrated Neurosciences:</b> comparative neurophysiology and neuroethology, cognitive and social neurosciences, cognitive psychology, psychology of perception and action, psychobiology, psychophysiology.</li> <li>• <b>Behavioral Biology:</b> biological bases of social, agonistic, and parental behavior, gene/environment interactions on behavioral development, cognitive and emotional ethology in animals and humans.</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic, if any
2	Scholarship funded by University of Parma (Ministerial funds)	
1	Scholarship co-funded by Fondazione Cariparma	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship funded by Department of Food and Drug (funds Fondo Italiano per la Scienza codice FIS-2023-01129 CUP D53C25000790001 Resp. Prof. Di Cesare) 	Neural mechanisms of affective communication in human-robot interaction
1	Scholarship funded by Department of Food and Drug (funds Fondo Italiano per la Scienza codice FIS-2023-01129 CUP D53C25000790001 Resp. Prof. Di Cesare) 	Neural mechanisms shaping human behavior in natural social contexts
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Medicine and Surgery (funds Fondazione BIAL – codice: 403/2024 – Titolo del progetto: The Inner Working of Primate Brain during Natural Sleep - Resp. Prof. Lanzilotto - DGN.275/2025 – CUP CUP D93C25000560007)	Functional role of the subcortical visual pathway during wakefulness and neural dynamics during natural sleep in freely moving monkeys
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Company AIEF (Associazione Italiana Educatori Finanziari)	Neurophysiological correlates of live, remote and written education
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Cognitive plasticity of the fox in a changing world: new technologies to study wildlife adaptation to urban environments

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 40 points (a minimum score of 20 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 80 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM		
<b>THE ORAL EXAM TAKES IN THE PRESENCE</b> and with the possibility of carrying out the interview <b>REMOTELY</b> for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit a <b>motivated REQUEST</b> as per the model attached to the competition announcement.		
<b>The ORAL test includes:</b> 1) <b>the verification</b> of the candidates' general preparation on topics related to the research topics of the PhD course, 2) the <b>presentation and discussion of the research project</b> , 3) the verification of the knowledge of the English language.		
<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist in the discussion of the research project presented in English.

SCHEDULE OF THE ADMISSION EXAMS
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<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	1 <sup>st</sup> September 2025 (with possible extension to the following day)
	<b>TIME</b>	09:00 am (Italian Time)
	<b>PLACE</b>	ROOM C Department of Medicine and Surgery INTEGRATED BIOTECHNOLOGICAL PLEXUS Via Volturno, 39/E – 43125 PARMA - ITALY
<b>FURTHER INFORMATION</b>		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. The PhD research topic will be assigned by the Academic Board.</b>
		<div> <b>THE INTERVIEW MAY ALSO TAKE PLACE ENTIRELY IN ENGLISH</b> </div> <div>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</div>

<b>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</b>	
<b>MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</b>	
<b>ANNEX A</b>	(art. 3.2 of the Competition notice)
<b>Identification Document</b>	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae et studiorum</b>	No specific CV format is required (see art. 3.2 of the Competition notice)
<b>Degree thesis</b>	<b>The full thesis</b> in pdf format. Undergraduate applicants must submit the draft of the thesis approved by their supervisor. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
<b>Academic Qualifications</b>	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
<b>Research Project</b>	Written in English, 3 pages with single spacing in Times New Roman 12, including bibliography, it must focusing on an original research topic ( <b>unpublished, developed personally by the candidate. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted project</b> ) and it shall be structured as follows: introduction of the problem in the scientific context, relevance of the problem, objectives, expected results. <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board.</u>
<b>LIST OF EVALUABLE QUALIFICATIONS</b>	
(only qualifications attested by a document drawn up in Italian or in English)	

<b>Curriculum Vitae et studiorum</b>	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	<b>Up to 40 points</b>
<b>Curriculum Vitae et Studiorum will be evaluated based on the following qualifications and scores:</b>		
<b>Graduation mark</b>	Score related to the final mark: - 110 with honours (magna cum laude): 10 points; - 110: 7 points - From 108 to 109: 5 points - From 106 to 107: 3 points - 104-105: 1 point - Under 104: 0 points	<b>Up to 10 points</b>
<b>Average of the exam marks</b> (if the candidate will attain the degree no later than 31 October 2025)	Score related to the average of the exam marks: - From 29/30 to 30/30: 10 points - From 28/30 to 28.99/30: 7 points - From 27/30 to 27.99/30: 5 points - From 26/30 to 26.99/30: 3 points - From 25/30 to 25.99/30: 1 point - Under 25/30: 0 points	<b>Up to 10 points</b>
<b>Graduation thesis</b>	Congruence with the research topics of the PhD course and methodological quality of the experimental or bibliographic work. ○ Experimental thesis related to the PhD program of Neuroscience: 10 points ○ Non-experimental and relevant thesis: 5 points ○ Thesis not relevant: 0 points	<b>Up to 10 points</b>
<b>Research Project</b>	Project evaluation score: ○ scientific value: 2.5 points ○ structure of the proposal: 2.5 points ○ proposal feasibility in relation to the specific research topics of the PhD course: 2.5 points ○ originality of the proposal: 2.5 points	<b>Up to 10 points</b>
<b>Statement of Research Interest</b>	Short text – maximum 1 page – in Italian or in English	<b>Up to 2 points</b>
<b>Scientific Publications</b>	○ Each article in a peer-reviewed international journal: 1 point ○ Each book chapter: 0.4 points ○ abstracts/papers/posters presented at conferences or symposia: 0.3 points  The same categories are half valued if in Italian. The points of the publications are normalized for post-graduate years, that is, divided by the numbers of post-graduate years.	<b>Up to 5 points</b>
<b>Other Academic qualifications</b>	Other academic qualifications consistent with the research topics of this PhD program	<b>Up to 3 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
The ORAL examination includes:  <b>A1) <u>Neurosciences</u>:</b> the oral report on 2 topics drawn at random (one from list 1 and one from list 2) among those indicated below:  1.1. Genesis and transmission of the nervous impulses	○ Up to 40 points for the oral report on one of the first 5 and one of the second 5 topics, extracted from the list alongside (up to 20 points per topic); ○ Up to 20 points for the project presentation; ○ Up to 20 points for knowledge of the foreign language	<b>Up to 80 points</b>


<p>1.2. The synapses 1.3. The reflexes 1.4. Molecular and cellular bases of signal Transduction 1.5. Neural bases of plasticity</p> <p>2.1 The motor system 2.2. The visual system 2.3. The somatosensory system 2.4. The autonomic nervous system and emotions 2.5. Neurobiology of language</p> <p><b>A2) Behavioural Biology:</b> the oral report on 2 topics chosen by lot from those indicated in the list below:</p> <p>1.1 Imprinting and development of behavior 1.2. Individual and social learning 1.3. Genetics and epigenetics of behavior 1.4. Hormones, neurotransmitters and behavior 2.1. Reproductive behavior: parental investment and sexual selection, mating systems and parental care 2.2 Behavior and social organization 2.3. Aggression, aggression and social hierarchies 2.4. Ethological observation techniques of behavior</p> <p><b>B) The presentation and discussion of the research project,</b> aimed at verifying the candidate's aptitude for scientific research. The discussion will take in English to evaluate the knowledge and the fluency of the language</p>		
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PSYCHOLOGY	
CYCLE	XLI
COORDINATOR	Prof.ssa Ada CIGALA email: <a href="mailto:ada.cigala@unipr.it">ada.cigala@unipr.it</a> Department of Humanities, Social Sciences and Cultural Industries
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	6
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
The main aim of the PhD course is to train qualified researchers capable of planning and carrying out basic research focused on the research topic of the course and studies applied to clinical, social, educational, health and organizational contexts	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• Psychosocial processes in complex societies</li> <li>• Individual and group development and learning processes in typical and atypical contexts</li> <li>• Processes involved in clinical and social intervention</li> <li>• Psychological processes in social and organizational contexts</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic, if any
3	Scholarship funded by University of Parma (Ministerial funds)	
1	Scholarship co-funded by Fondazione Cariparma	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the The Institute for Educational Technology – C.N.R. The Italian National Research Council C.N.R	Mentalization in Children and Adolescents with Autism Spectrum Disorder

1	<p>Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002</p> 	<p>Sustainable Human Resource Management and Fragility Management in Organizations: Identification of Support Tools for Organizational Actions and Policies for the Quality of Working Life and for Sustainable Performance</p>
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## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 60 points  
(a minimum score of 35 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 60 points  
**Minimum score for ELIGIBILITY:** 70/120

## ORAL EXAM PROGRAM

**THE ORAL EXAM TAKES IN THE PRESENCE** and with the possibility of carrying out the interview **REMOTELY** for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit **a motivated REQUEST** as per the model attached to the competition announcement).

The ORAL test involves the presentation and discussion of the research project by the candidate and is aimed at verifying the candidate's aptitude for scientific research and his **general preparation** on topics related to the research topics of the doctoral course.

**Foreign Language**  
the fluency of which shall be assessed during the Oral Exam

**ENGLISH**

The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.

## SCHEDULE OF THE ADMISSION EXAMS

ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam	
ORAL EXAM	DATE	10 <sup>TH</sup> September 2025	
	TIME	10:00 am (Italian Time)	
	PLACE	ROOM C POLO DIDATTICO Via del Prato – 43121 PARMA - ITALY	
FURTHER INFORMATION		The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u>	
		THE INTERVIEW MAY BE HELD ALSO IN ENGLISH	For foreign candidates, the admission examinations may be held in English at the candidate’s choice.

## LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT

### MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION


<b>ANNEX A</b>	(art. 3.2 of the Competition notice)
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Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	The research project shall consist of a maximum of 2500 words, be written in Italian or in English, and it must be an original research project (inedited, unpublished, personally developed by the candidate) and be structured as follows: theoretical introduction, relevance of the problem, research design and methodology, expected results and discussion, essential bibliography (maximum 5 bibliographic entries) The Research Project <u>does not represent a constraint with respect to the following choice of the doctoral thesis</u> , that shall be defined together with the supervisor and approved by the Academic Board.	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Graduation mark  Or  Average of the exam marks (if the candidate will attain the degree no later than 31 October 2025)	Score related to the final mark: - 110 and 110 with honours (magna cum laude): 10 points; - From 100 to 109: 8 points - Under 99: 5 points  Score related to the average of the exam marks: - 30/30: 10 points - From 27/30 to 29/30: 8 points; - Under 26/30: 5 points	Up to 10 points
Graduation thesis	Congruence with the research topics of the PhD course and quality of the research methodology	Up to 5 points
Research Project	<ul style="list-style-type: none"><li>Scientific value and internal consistency (aspects that will be considered: validity of the theoretical formulation, relevance of the problem faced, clarity of the objectives and appropriateness of the methodology, consistency of the expected results and relative discussion): <b>18 points</b></li><li>Formal and grammatical aspects: <b>2 points</b></li><li>Congruence with the research themes of the PhD course: <b>8 points</b></li></ul>	Up to 28 points
The candidate's Curriculum Vitae et Studiorum will be evaluated based on the following qualifications and scores:		
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc	Up to 8 points
Other Academic qualifications	First or second level master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD programme	Up to 3 points
Other research experiences	study or research expiences abroad, prizes, scholarships and research grants (present official documents certifying the experience)	Up to 6 points
EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS

<p><b>The ORAL EXAM</b> focuses on the knowledge of the English language, on the discussion of the research project, on the knowledge related to the research themes of the PhD programme</p>	<ul style="list-style-type: none"> <li>○ knowledge of foreign languages (English): <b>10 points</b></li> <li>○ discussion and argumentation of the projec: <b>35 points</b></li> <li>○ knowledge on at least one of the themes of the PhD programme and motivations for scientific research : <b>15 points</b></li> </ul>	<p><b>Up to 60 points</b></p>
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MATERIALS SCIENCE AND TECHNOLOGY	
CYCLE	XLI
COORDINATOR	Prof. Mauro RICCO' email: <a href="mailto:mauro.ricco@unipr.it">mauro.ricco@unipr.it</a> Department of Mathematical, Physical and Computer Sciences
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
PARTNER INSTITUTION	<ul style="list-style-type: none"> <li>The Italian National Research Council (C.N.R.)</li> </ul>
POSITIONS PUT OUT TO COMPETITION	12
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> <p>Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b></p>
<b>TRAINING OBJECTIVES</b>  The Ph.D. in "Materials Science and Technology" aims to provide graduates in: Materials Science, Physics, Chemistry, Industrial Chemistry, Biological Sciences, Biotechnology and Engineering with the necessary skills to carry out research activities of high scientific and professional qualification in the field of Materials Science and Technology at Universities, Research Centers or private entities. The course offers a strong, interdisciplinary preparation with specific courses, as well as with research activities conducted also abroad within scientific collaborations.	
<b>RESEARCH AREAS</b> <ul style="list-style-type: none"> <li>• Materials for sensors and bioelectronics</li> <li>• <a href="#">Materials for electrochemical storage (batteries and supercapacitors)</a></li> <li>• <a href="#">Nanodiagnostic techniques</a></li> <li>• <a href="#">Auxetic polymers</a></li> <li>• <a href="#">Supramolecular sensors and devices</a></li> <li>• <a href="#">Carbon nanostructures</a></li> <li>• Low-dimensional semiconductor structures</li> <li>• <a href="#">Self-repairing and self-diagnostic polymers</a></li> <li>• Ceramic and composite materials</li> <li>• <a href="#">Vitrimers</a></li> <li>• Materials for <a href="#">bionanotechnology</a> and <a href="#">nanomedicine</a></li> <li>• <a href="#">Photocatalytic solid foams</a></li> <li>• Semiconductor materials for applications in power electronics and UVC radiation detection</li> <li>• <a href="#">Porous materials for chemical separation</a></li> <li>• <a href="#">Molecular and nanostructured materials for energy, health and environment</a></li> <li>• Multifunctional magnetic thin films and nanostructures</li> <li>• Magnetic materials for energy transition (<a href="#">permanent magnets, shape memory magnetic materials, magnetocaloric materials</a>)</li> <li>• Composite hydrogels for 3D printing of biomatrices for tissue engineering (<a href="#">BIO X 3D printer - CNR-ISSMC</a> ; <a href="#">Bio-Hybrid Composites for Regenerative Medicine - CNR-ISSMC</a> )</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic
1	Scholarship funded by The Italian National Research Council C.N.R. - ISSMC	Multifunctional geopolymer materials for the process, environmental recovery, construction and transport industries
1	Scholarship funded by The Italian National Research Council C.N.R. - IMEM	Study of the chemical, mechanical and electronic properties of metal-organic compounds on conducting and insulating substrates by XPS spectroscopy and scanning probe microscopy
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability (funds AIRC MFAG 2024 "CRISPR-Cas-Powered Detection Technologies for Protein Biomarkers in Bodily Fluids CUP D53C24005900007)	Development of molecular diagnostic strategies based on CRISPR-Cas systems and programmable DNA nanotechnologies for the ultra-sensitive quantification of cancer protein markers
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by The Italian National Research Council C.N.R. - ISSMC	Injectable composite hydrogels obtained from biopolymers derived from renewable raw materials and nanostructured and multifunctional particles of highly biomimetic and resorbable hydroxyapatites. They will be formulated to be processed using 3D printing techniques in order to obtain three-dimensional structures that reproduce the microenvironment of the extracellular matrix and customized for the engineering of in vitro organoids for personalized medicine
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability	Bioactive and Fluorescent Nanomaterials for Advanced Applications in Nanomedicine
1	Scholarship partly financed with MINISTERIAL funds and co-financed by The Italian National Research Council C.N.R. - IMEM	Novel Magnetic Materials with Reduced Critical Raw Material Content for Permanent Magnet Applications
1	Scholarship partly financed with MINISTERIAL funds and co-financed by The Italian National Research Council C.N.R. - IMEM	Structural and optical characterization with electron microscopy techniques (TEM, SEM-CL/PL) of multifunctional materials and devices
1	Scholarship partly financed with MINISTERIAL funds and co-financed by The Italian National Research Council C.N.R. - IMEM	Mechanochemical synthesis of new inorganic semiconductor materials with multifunctional properties and film deposition from liquid phase or vacuum techniques for the realization of photoelectric devices
1	Scholarship partly financed with MINISTERIAL funds and co-financed by The Italian National Research Council C.N.R. - ISSMC	Replacement of critical raw materials (CRM) with non-critical raw materials in ceramic materials: eco-design of products and components for the ceramic industry. Definition of the main properties defined along the ceramic process with the aim of identifying and consequently minimizing any critical issues along the production chain
1	Scholarship partly financed with MINISTERIAL funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability	Development of analytical methods coupled with the use of machine learning techniques for untargeted analysis and characterization of materials at the micro and nanoscale level

1	Scholarship partly financed with MINISTERIAL funds and co-financed by the Department of Mathematical, Physical and Computer Sciences (funds Project CASTLE - ERC-2022-SYG PROGRAM HORIZON EUROPE, G.A. n. 101071533, CUP D93C22001170006")	Theoretical and computational modeling of functional molecular materials with special reference to the phenomenon of Chirality Induced Spin Selectivity (CISS).
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Molecular and Polymeric Materials for Carbon Dioxide Capture, Use and Storage: MaMo-CCUS

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 60 points  
(a minimum score of 30 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 60 points  
**Minimum score for ELIGIBILITY:** 70/120

## ORAL EXAM PROGRAM

**THE ORAL EXAM TAKES IN THE PRESENCE** and with the possibility of carrying out the interview **REMOTELY** for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates **must submit a motivated REQUEST as per the model attached to the competition announcement**)

The ORAL EXAM will focus on the candidate's motivation to attend the PhD, on the description of his specific research interests and on a discussion of the qualifications presented by the candidate.

**Foreign Language**  
the fluency of which shall be assessed during the Oral Exam

**ENGLISH**

The evaluation of the knowledge of this language will be oral and will consist in translating of a scientific text.

## SCHEDULE OF THE ADMISSION EXAMS

<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	4 <sup>th</sup> September 2025 (with possible extension in the following days)
	<b>TIME</b>	09:30 am (Italian Time)
	<b>PLACE</b>	ROOM 1 BIOSCIENCES BUILDING Department of Chemistry, Life Sciences and Environmental Sustainability Parco Area delle Scienze, 11/A – Campus 43124 PARMA - ITALY
<b>FURTHER INFORMATION</b>		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates' skills during the admission exam. The PhD research topic will be assigned by the Academic Board.</b>
		<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b> For foreign candidates, the admission examinations may be held in English at the candidate's choice.

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 20 points
Graduation mark	Score related to the final mark: - 110 with honors (magna cum laude): 20 points - 110: 16 points - From 105 to 109: 12 points - From 100 to 104: 8 points - From 95 to 99: 4 points - Under 95: 0 points	Up to 20 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2025)	Score related to the average of the exam marks: - 30/30: 20 points - From 28/30 to 29/30: 16 points - From 26/30 to 27/30: 12 points - 25/30: 8 points - 24/30: 4 points - Under 24/30: 0 points	Up to 20 points
Graduation thesis	Consistency of the Master’s Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	Up to 10 points
Statement of Research Interest	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	Up to 5 points
Scientific Publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings	Up to 5 points







EVALUATION ORAL EXAM		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>



<p><b>The ORAL exam</b> includes the presentation and discussion of the master's thesis and the statement of research interest; it is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course</p>	<ul style="list-style-type: none"> <li>○ knowledge of foreign languages: 10 points</li> <li>○ general knowledge of issue connected to the Master's thesis: 25 points</li> <li>○ general knowledge of issues connected to the PhD course: 25 points</li> </ul>	<p><b>Up to 60 points</b></p>
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CHEMICAL SCIENCES	
CYCLE	XLI
COORDINATOR	Prof Giovanni MAESTRI email: <a href="mailto:giovanni.maestri@unipr.it">giovanni.maestri@unipr.it</a> Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	15
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<p>The training program aims to provide students with the necessary skills to propose and manage research projects in the advanced sectors of Analytical Chemistry, General and Inorganic Chemistry, Physical Chemistry, Industrial Chemistry, and Organic Chemistry. The PhD in Chemical Sciences requires that each PhD student works within one of the research groups active at the Chemistry Units of the Department of Chemical, Life and Environmental Sustainability Sciences (SCVSA), and that he/she follows a specific training path within the chosen sector, also through participation in research activities at qualified centers both in Italy and abroad, in schools, national and international conferences, and through the publication of the scientific results achieved in internationally distributed journals. Interdisciplinary training activities are also planned, aimed at developing in PhD students the ability to present, discuss, and disseminate the subjects of their work both in an academic and in an industrial context, and, more generally, to society at large.</p>	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• Analytical Chemistry</li> <li>• General and Inorganic Chemistry</li> <li>• Physical Chemistry</li> <li>• Industrial Chemistry</li> <li>• Organic Chemistry</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic or Areas
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project PNRR-M4C2- I1.1 – MUR Call for proposals n. 1409 del 14-09-2022 - Bando PRIN 2022 PNRR - ERC sector PE11- Project title: Bioactive compounds to Extend food Shelf-life through Innovative Technologies (BEST) - Project Code P2022M3H2K- CUP Code D53D23018680001- Funded by the European Union – NextGenerationEU.) and by the Company Food Contact Center S.r.l.	Analytical evaluation of potential contaminants in food contact materials

		
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds	Design of crystalline functional materials with environmental applications
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds	Multifunctional systems as ligands for biomacromolecules and enzyme mimics
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project FIL_INC_C_2024_CAPALDO_COFIN, CUP: D53C25000160005)	Mechanochemical synthesis of industrially relevant compounds
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability (funds PNRR-M4C2- I1.1 – MUR Call for proposals n.104 of 02-02-2022-PRIN2022-ERC sector PE5 Project title:Nickel-catalyzed carboxylations enabled by the calixarene scaffold (Ni_CO2_CALIX)-Project Code 20227Z3BL8-CUP CodeD53D23010240001-Funded by the European Union-NextGenerationEU) 	Metal-catalyzed C-H functionalizations for the synthesis of pharmaceuticals
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project MANI_A_24_HORIZONEU_BACTERADIX_01, CUP D93C24002080006) 	Synthesis of Artificial DNases for next-generation antibacterials to fight AMR
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Chemistry, Life Sciences and Environmental Sustainability (funds Investimento: PNRR – M2C2 Investimento 3.5 PNRR ART-2-HYDROGEN “ARTIFICIAL ENZYMES FOR THE PHOTOCATALYTIC PRODUCTION OF HYDROGEN IN PHOTOSYNTHETIC BACTERIA” ID: RSH2A_000009, CUP F97G22000270006) 	Artificial proteins for biocatalytic and diagnostic applications
1	Scholarship funded by Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project MSCA20240000010, CUP D93C25000480007) 	Visible-light mediated enantioselective synthetic strategies
1	Scholarship funded by Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project FIS-2023-01733 “NHC-Ligated Boryl Radicals: New Frontiers in Halogen-Atom Transfer”, CAPA_L_23_MUR_XAT2.0_01, CUP D53C25000690001) 	Novel asymmetric approaches in radical chemistry

1	Scholarship funded by Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project FIS-2023-01733 "NHC-Ligated Boryl Radicals: New Frontiers in Halogen-Atom Transfer", CAPA_L_23_MUR_XAT2.0_01, CUP D53C25000690001) 	Development of innovative Group 13 complexes for synthesis and catalysis
1	Scholarship funded by Department of Chemistry, Life Sciences and Environmental Sustainability (funds Project FIS-2023-01733 "NHC-Ligated Boryl Radicals: New Frontiers in Halogen-Atom Transfer", CAPA_L_23_MUR_XAT2.0_01, CUP D53C25000690001) 	Light-mediated post-polymerization functionalization of polymeric materials
1	Scholarship funded by Department of Chemistry, Life Sciences and Environmental Sustainability (funds of "Departments of Excellence" program)	Synthesis and characterization of functional organic materials for potential optoelectronic applications
1	Scholarship funded by the Company RSE – Ricerca sul Sistema energetico S.p.A.	DEVELOPMENT OF MATERIALS AND PROCESSES FOR THE SELECTIVE RECOVERY OF STRATEGIC RAW MATERIALS FROM UNCONVENTIONAL SOURCES
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	Molecular approaches to metabolomics, big data and Machine Learning techniques for sustainable production
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	Metal-Chelating Approaches in the Fight Against Antimicrobial Resistance: New Thiosemicarbazone Complexes

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 40 points  
(a minimum score of 20 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 80 points  
**Minimum score for ELIGIBILITY:** 70/120

## ORAL EXAM PROGRAM

**Applicants admitted to the ORAL EXAM can take it either in PRESENCE or REMOTELY in Audio and Video Teleconference**  
(Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)

**The ORAL EXAM includes the presentation of the research project** and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course.

<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist in the discussion of part of the research topics in English.
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SCHEDULE OF THE ADMISSION EXAMS		
ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	2 <sup>nd</sup> September 2025 (with possible extension in the following days)
	TIME	10:00 am (Italian Time)
	PLACE	Department of Chemistry, Life Sciences and Environmental Sustainability CHEMISTRY BUILDING Parco Area delle Scienze, 17/A – Campus 43124 PARMA - ITALY
FURTHER INFORMATION		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidate's skills during the admission exam. The PhD research topic will be assigned by the Academic Board.</b>
		<div>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</div> <div>For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice</div>

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
ANNEX A	(art. 3.2 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).
Research Project	Written in Italian or in English, according to the format attached to the competition notice. It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>
LIST OF EVALUABLE QUALIFICATIONS	
(only qualifications attested by a document drawn up in Italian or in English)	



<b>Curriculum Vitae et studiorum</b>	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation. Relevance of the academic career as well as postgraduate experiences and other research activities related to Chemical Sciences.	<b>Up to 21 points</b>
<b>Graduation thesis</b>	Consistency of the Master's Degree thesis with the doctoral program research topics (briefly describe the topics in the curriculum vitae)	<b>Up to 10 points</b>
<b>Research Project</b>	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"> <li>○ Scientific value and originality of the proposal</li> <li>○ description and structure of the proposal</li> <li>○ proposal feasibility</li> <li>○ consistency with the research themes of the PhD course</li> </ul>	<b>Up to 2 points</b>
<b>Statement of Research Interest</b>	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program; the description of specific research interests, with particular reference to the topics relating to the specific topics proposed; the skills possessed that can contribute to a research project in the field of Chemical Sciences.	<b>Up to 3 points</b>
<b>Scientific Publications</b>	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc Impact and relevance of the qualifications presented related to Chemical Sciences	<b>Up to 4 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM includes the presentation of the research project</b> and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ knowledge of the subject and skills of the candidate for the proposed research activities are assessed by a discussion on the qualifications submitted for evaluation</li> <li>○ knowledge of English is assessed by discussion of topics of research and by understanding of scientific texts.</li> </ul>	<b>Up to 80 points</b>

FOOD SCIENCE	
CYCLE	XLI
COORDINATOR	Prof. Massimiliano RINALDI email: <a href="mailto:massimiliano.rinaldi@unipr.it">massimiliano.rinaldi@unipr.it</a> Food and Drug Department
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
CURRICULA	1. Food Science 2. Products for the food and health markets
POSITIONS PUT OUT TO COMPETITION	13
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<p>The PhD course in Food Science aims to train highly skilled professionals, able to face current and future challenges in the agri-food sector. The training plan is designed in alignment with the Next Generation EU strategy. The high-level training courses are accompanied by a dedicated program in the following areas:</p> <ul style="list-style-type: none"> <li>• Circular bioeconomy;</li> <li>• Sustainable and precision agriculture;</li> <li>• Innovative and sustainable production;</li> <li>• Sustainability from a nutritional perspective;</li> <li>• valorization and upcycling of by-products.</li> </ul> <p>These areas of study are complemented by cross-cutting expertise essential to support innovation, including the use of big data and artificial intelligence methodologies.</p> <p>Throughout the doctoral cycle, candidates also participate in high-level courses dedicated to entrepreneurship and exploitation of inventions, thanks to the collaboration with the regional ART-ER structure.</p> <p>The program places strong emphasis on skill integration, multi-, inter- and transdisciplinary training and internationalization, through PhD students participation in international research projects and interaction with leading foreign experts by dedicated seminars and meetings.</p> <p>Additionally, PhD students are encouraged to take part in public engagement initiatives and interaction with the territory, to develop skills of knowledge transfer and dialogue with all stakeholders in the food system.</p>	
RESEARCH AREAS	

1. AGRICULTURAL AND FOOD ECONOMICS: Understanding which factors influence consumers food preferences integrating behavioral and sensory science with digital technology
2. HUMAN NUTRITION: Evaluation of the *in situ* distribution of dietary bioactive metabolites using innovative and traditional approaches)
3. FOOD CHEMISTRY: Advanced modeling of food contaminants and constituents: computational approaches to unveil the molecular underpinnings of their action)
4. HUMAN NUTRITION: Precision nutrition for lung cancer patients: evaluating personalized dietary recommendations on nutritional and metabolic outcomes)
5. HUMAN NUTRITION: Characterizing circulating bioactive compounds and gut microbiota-host interactions through LC-MS metabolomics in lung cancer patients)
6. ORGANIC CHEMISTRY: Study of the allergenic risk in new protein sources by applying molecular approaches)
7. FOOD TECHNOLOGY: Unlocking Flavor, Aroma, and Texture in Plant-Based products Through Microbial Fermentation)
8. INSPECTION OF FOODS OF ANIMAL ORIGIN: Evaluation of the occurrence of inorganic and organic food chemical contaminants and risk assessment)
9. FOOD TECHNOLOGY: Utilization of innovative technologies for controlled structural modification in foods)
10. FOOD TECHNOLOGY: Application of pulsed electric fields to the dairy sector and to plant-based alternatives)
11. FOOD CHEMISTRY: Study of the impact of micro-nanoplastics in strategic food chains)

Position with Scholarship		
N°	Funding entity	Research Topic or Areas
2	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>• Agricultural and Food Economics</li> <li>• Human nutrition</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> <li>• Food Chemistry</li> </ul>
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship funded by Interdepartmental Microbiome Research Center "Microbiome Research Hub" (funds Project HE EIC Pathfinder Precision Nutrition: MENTORING: "assessing malnutrition and metabolic health in non-communicable diseases through precision Nutrition: impact in quality of life and prognosis of lung cancer patients" G.A. no. 101162297 CUP D97G24000120006)   Mentoring for Health	Precision nutrition for lung cancer patients: evaluating personalized dietary recommendations on nutritional and metabolic outcomes)
1	Scholarship funded by Interdepartmental Microbiome Research Center "Microbiome Research Hub" (funds Project HE EIC Pathfinder Precision Nutrition: MENTORING: "assessing malnutrition and metabolic health in non-communicable diseases through precision Nutrition: impact in quality of life and prognosis of lung cancer patients" G.A. no. 101162297 CUP D97G24000120006)   Mentoring for Health	Characterizing circulating bioactive compounds and gut microbiota-host interactions through LC-MS metabolomics in lung cancer patients)
1	Scholarship partly financed with UNIVERSITY funds and co-financed by Food and Drug Department	Study of the allergenic risk in new protein sources by applying molecular approaches
1	Scholarship partly financed with UNIVERSITY funds and co-financed by "Fondazione Edmund Mach"	Unlocking flavor, aroma, and texture in plant-based products through microbial fermentation



1	Scholarship partly financed with MINISTERIAL funds and co-financed by Food and Drug Department	Evaluation of the occurrence of inorganic and organic food chemical contaminants and risk assessment
1	Scholarship partly financed with MINISTERIAL funds and co-financed by Food and Drug Department	Utilization of innovative technologies for controlled structural modification in foods
1	Scholarship funded by the Company Barilla G. e R. F.lli S.p.A. and co-financed by Food and Drug Department (funds Project FOOD-ER CUP E97G22000210002) 	Study of the impact of micro-nanoplastics in strategic food chains
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Pulsed low-intensity electric fields for the metabolic stimulation of lactic acid bacteria: development of innovative solutions in the dairy sector and alternative products.

POSITION RESERVED	
Reserved for <b>EMPLOYEES of Company CORBION-PURAC B.V. (with salary maintenance)</b>	<b>2</b>

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 50 points (a minimum score of 30 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 70 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM		
<b>THE ORAL EXAM TAKES IN THE PRESENCE</b> and with the possibility of carrying out the interview <b>REMOTELY</b> for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit <b>a motivated REQUEST</b> as per the model attached to the competition announcement)		
The ORAL test involves the presentation and discussion of the research project by the candidate without the aid of any Powerpoint presentation or other applications, and is aimed at verifying the candidate's aptitude for scientific research and his/her general preparation on topics relating to research topics of the doctoral course.		
<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific test. For foreign candidates, basic knowledge of <b>ITALIAN LANGUAGE</b> will also be assessed.

SCHEDULE OF THE ADMISSION EXAMS		
<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	2 <sup>nd</sup> September 2025 (with possible extension to 3 <sup>rd</sup> September 2025)



	<b>TIME</b>	10:00 am (Italian Time)
	<b>PLACE</b>	Food and Drug Department Parma Area della Scienze, 27/A - Campus 43124 PARMA - ITALY
<b>FURTHER INFORMATION</b>	<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u></b>	
	<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b>	For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	The research project shall consist of a maximum of 2 pages, be written in English, according to the format attached to the competition notice. It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ), concerning one of the specific topic indicated in this notice and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, argumentation. <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 20 points
Research Project	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"><li>○ Scientific value and or originality of the proposal: max 10 points</li><li>○ description and structure of the proposal: max 5 points</li><li>○ proposal feasibility: max 5 points</li></ul>	Up to 20 points

<b>Statement of Research Interest</b>	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	<b>Up to 2 points</b>
<b>Scientific Publications</b>	Articles and/or reviews in scientific journals with peer reviewing, scientific book chapters with national or international circulation. The explicit indication of the candidate's contribution to the works presented for evaluation is a necessary requirement. International peer-reviewed papers: up to 2 points National peer-reviewed papers: up to 1 point	<b>Up to 3 points</b>
<b>Other Academic qualifications</b>	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	<b>Up to 2 points</b>
<b>Other experiences (training, work, research, teaching, etc.)</b>	<ul style="list-style-type: none"> <li>– Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units</li> <li>– Working activity</li> <li>– Professional and/or training internship</li> <li>– Language proficiency certificates</li> <li>– Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes)</li> <li>– Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)</li> </ul>	<b>Up to 3 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM</b> includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ English reading and speaking and for foreign candidates also Italian language: up to 10 points</li> <li>○ research project presentation: max 40 points</li> <li>○ general knowledge of issues connected to the PhD course: max 20 points</li> </ul>	<b>Up to 70 points</b>

DRUG SCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Fabio SONVICO email: <a href="mailto:fabio.sonvico@unipr.it">fabio.sonvico@unipr.it</a> Food and Drug Department
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
CURRICULA	1. Innovation in Pharmaceutical Sciences 2. Products for the food and health markets
POSITIONS PUT OUT TO COMPETITION	10
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and RESEARCH PROJECT Oral Exam in PRESENCE
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle Master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above-mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
<b>TRAINING OBJECTIVES</b> <p>The aim of the 'Drug Sciences' course is to train PhD students with the knowledge and experience to enter the world of pharmaceutical R&amp;D with a specific focus at the design, discovery, development, production and control of medicinal and health products, and the understanding of their mechanisms of action at the biomolecular level.</p> <p>The PhD Course provides direct teaching to PhD students in the subject areas described above as well as in multidisciplinary and interdisciplinary areas. Multidisciplinary and interdisciplinary approaches are typical features of the doctoral programme, which approaches the ultimate practical goal (producing innovation in drug discovery and development) from different perspectives and with complementary approaches.</p> <p>The research programme leading to the doctoral thesis is overseen by a doctoral supervisor, who not only guides the doctoral student's training, but also encourages him/her to achieve scientific (publications) or technology transfer goals. Doctoral students usually spend a period of secondment at prestigious foreign research institutions. This is facilitated by membership of the ULLA consortium, which provides mobility opportunities to leading academic institutions in the pharmaceutical field such as Uppsala University - Faculty of Pharmacy (Sweden), University College London - School of Pharmacy (United Kingdom), Leiden University - Leiden Academic Centre for Drug Research (the Netherlands), VU Amsterdam - Chemistry and Pharmaceutical Sciences (the Netherlands), University of Copenhagen – Drug Research Academy (Denmark), Université Paris-Saclay – Faculty of Pharmacy (France), KU Leuven – Faculty of Pharmaceutical Sciences (Belgium), University of Helsinki – Faculty of Pharmacy (Finland), Université de Genève – School of Pharmaceutical Sciences.</p>	
<b>RESEARCH AREAS</b> <ul style="list-style-type: none"> <li>• Design and synthesis of biologically active compounds, in the fields of medicinal chemistry;</li> <li>• Biopharmaceutics &amp; pharmacokinetics, within the field of pharmaceuticals;</li> <li>• Experimental pharmacology and toxicology;</li> <li>• Biochemistry, biophysics and molecular biology;</li> <li>• Bio-organic chemistry.</li> </ul>	

#### Position with Scholarship

N°	Funding entity	Research Topic
3	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>Design and synthesis of biologically active compounds, in the fields of medicinal chemistry;</li> <li>Experimental pharmacology and toxicology;</li> <li>Bio-organic chemistry.</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> <li>Biopharmaceutics &amp; pharmacokinetics, within the field of pharmaceutics</li> </ul>
<b>Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)</b>		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship funded by Chiesi Farmaceutici S.p.A.	Characterization and valorization of complex natural matrices for the generation of components with high pharmaceutical, nutritional and cosmetic value and design of advanced formulations capable of maximizing the effectiveness and reducing the environmental impact of the production, use and disposal of active ingredients
1	Scholarship partly financed with UNIVERSITY funds and co-financed by Food and Drug Department (funds Project PRIN 2022 PNRR -M4C2- "Dynamics of recruitment of macromolecular complexes active on the mycobacterial orisome: mechanistic details and target validation" CUP D53D23010750001)	Addressing antibacterial resistance through gene repressors and enzyme inhibitors of nonessential targets in Salmonella Typhimurium
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 2111 del 04/12/2023) – CUP D92J24000010002 	Identification of natural products as gene repressors towards a new paradigm to fight antibacterial resistance
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Big data analysis and simulations for drug design and discovery

POSITION RESERVED	
Reserved for <b>EMPLOYEES of Company "Chiesi Farmaceutici S.p.A."</b> (with salary maintenance)	<b>2</b>
Reserved to <b>Holders of SCHOLARSHIP FUNDED BY FOREIGN STATES</b> (University of Texas at Houston U.S.A.)	<b>1</b>

ADMISSION PROCEDURES	
<b>Assessment of QUALIFICATIONS:</b> up to 50 points (a minimum score of 30 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 70 points <b>Minimum score for ELIGIBILITY:</b> 70/120	
<b>ADMISSION PROCEDURES for positions reserved to holders of scholarship funded by foreign States</b>	<b>Assessment of QUALIFICATIONS:</b> up to 120 points  <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM
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<b>THE ORAL EXAM TAKES PLACE IN THE PRESENCE.</b>		
The <b>ORAL EXAM</b> includes the <b>presentation of the research project</b> and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course		
<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist in reading and translating of a scientific text.

<b>SCHEDULE OF THE ADMISSION EXAMS</b>		
<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	2 <sup>nd</sup> September 2025 (with possible extension in the following days)
	<b>TIME</b>	09.30 am (Italian Time)
	<b>PLACE</b>	Aula G – Plesso di Farmacia Food and Drug Department Parco Area delle Scienze, 27/A 43124 PARMA - ITALY
<b>FURTHER INFORMATION</b>		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u></b>
		<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b> For foreign candidates it is possible to carry out the admission examination exclusively in English. For Italian candidates it will be possible to take the admission examination in Italian or in English at the candidate's choice

<b>LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT</b>	
<b><u>MANDATORY</u> DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION</b>	
<b>ANNEX A</b>	(art. 3.2 of the Competition notice)
<b>Identification Document</b>	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae et studiorum</b>	No specific CV format is required (see art. 3.2 of the Competition notice)
<b>Abstract of degree thesis</b>	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
<b>Academic Qualifications</b>	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).


Research Project	<p>The research project shall consist of a maximum of 3 pages, be written in Italian or in English, focused on an original research topic and it shall be structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results. It should be noted that the Examination Board can use tools useful for verifying the originality of the submitted Project.</p> <p><u>The research project does not represent a constraint with respect to the following choice of the doctoral thesis</u>, that shall be defined together with the supervisor and approved by the Academic Board.</p>	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by documents in Italian or in English will be evaluated)		
Curriculum Vitae et studiorum	<p>Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.</p> <p>The marks of the exams and the graduation mark will be the most relevant element of the evaluation.</p>	Up to 20 points
Graduation thesis	Congruence with the research topics of the PhD course and quality of the research methodology	Up to 10 points
Research Project	<p>Points relating to the research project shall be allocated on the basis of the following criteria:</p> <ul style="list-style-type: none"><li>○ Scientific value and ground-breaking nature of the proposal: 5 points</li><li>○ description and structure of the proposal: 5 points</li><li>○ consistency with the themes of the doctorate: 5 points</li></ul>	Up to 15 points
Scientific Publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings.	Up to 5 points
LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT Positions reserved to holders of scholarship funded by Foreign States		
Curriculum Vitae et studiorum	<p>Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.</p> <p>The marks of the exams and the graduation mark will be the most relevant element of the evaluation.</p>	Up to 40 points
Graduation thesis	Congruence with the research topics of the PhD course and quality of the research methodology	Up to 30 points
Research Project	<p>Points relating to the research project shall be allocated on the basis of the following criteria:</p> <ul style="list-style-type: none"><li>○ Scientific value and ground-breaking nature of the proposal: 10 points</li><li>○ description and structure of the proposal: 10 points</li><li>○ consistency with the themes of the doctorate: 10 points</li></ul>	Up to 30 points
Scientific Publications	Articles and/or reviews in scientific journals with peer reviewing, abstracts of papers or posters presented at conventions or meetings.	Up to 20 points
EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS

<p>The ORAL EXAM includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course</p>	<ul style="list-style-type: none"> <li>○ research project argumentation: max 30 points</li> <li>○ general knowledge of scientific aspects related to the PhD course: max 30 points</li> <li>○ knowledge of the foreign language: max 10 points</li> </ul>	<p><b>Up to 70 points</b></p>
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EARTH SCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Fabrizio BALSAMO email: <a href="mailto:fabrizio.balsamo@unipr.it">fabrizio.balsamo@unipr.it</a> Department of Chemistry, Life Sciences and Environmental Sustainability
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	5
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ol style="list-style-type: none"> <li>2. "Laurea Magistrale" LM-11 Science for the conservation of cultural heritage</li> <li>3. "Laurea Magistrale" LM-35 Environmental Engineering</li> <li>4. "Laurea Magistrale" LM-60 Natural Sciences</li> <li>5. "Laurea Magistrale" LM-74 Geology</li> <li>6. "Laurea Magistrale" LM-75 Environmental and land sciences</li> <li>7. "Laurea Magistrale" LM-79 Geophysics</li> </ol> <p>as well as the equivalent "laurea specialistica" or "laurea" achieved based on the university system in force before the entry into force of Italian Ministerial Decree No. 509/99</p> <ol style="list-style-type: none"> <li>8. Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral programs</li> </ol> <p>Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b></p>
TRAINING OBJECTIVES	
<p>The main objective of the Doctorate Course in Earth Sciences is to provide highly qualified teaching and research paths within numerous scientific disciplinary sectors of the Geosciences, also from an interdisciplinary perspective.</p>	
RESEARCH AREAS	
<ol style="list-style-type: none"> <li>1. Palaeontology and Palaeoecology</li> <li>2. Stratigraphy and Sedimentology</li> <li>3. Structural Geology</li> <li>4. Physical Geography and Geomorphology</li> <li>5. Applied Geology</li> <li>6. Mineralogy</li> <li>7. Petrology and Petrography</li> <li>8. Geochemistry and Volcanology</li> <li>9. Geophysics and Applied Geophysics</li> </ol>	

**Position with Scholarship**

N°	Funding entity	Research Topic (the complete description of the research topics is visible in "Notices from the course" on the website <a href="https://corsi.unipr.it/en/phd-ster">https://corsi.unipr.it/en/phd-ster</a> )
3	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>Controls of lower plate on the shape and development of collisional accretionary wedges: the Calabrian Accretionary Wedge as a case study (<b>AREA no. 2</b>)</li> <li>The North Anatolian Fault in the Aegean Sea: structural and geochronological constraints (<b>AREAS no. 3, no. 6</b>)</li> <li>Scenarios of Mediterranean geodynamics since the Late Miocene constrained by stratigraphic record of vertical lithospheric motions (<b>AREAS no. 9, no. 2, no. 3</b>)</li> <li>Probabilistic earthquake-risk assessment in Italy via geodynamic models constrained by geodetic data and prior structural-geology information (<b>AREAS no. 9, no.2, no. 3</b>)</li> <li>Saline Waters of Emilia-Romagna as a Resource for Critical Raw Materials: Geochemical Characteristics and Environmental Implications (<b>AREA no. 8</b>)</li> <li>Tracing magma source evolution across the Mariana Arc: new insights from drilled volcanics and gabbros (DSDP Leg 60) (<b>AREAS no. 7, no. 8</b>)</li> <li>Impact of carbonate fault zone on groundwater flow at different scale (<b>AREAS no. 5, no. 3</b>)</li> <li>Brittle reactivation of Precambrian shear zones in NE Brazil: implications for the evolution of the offshore Equatorial Margin (<b>AREAS no. 3, no. 2</b>)</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	
<b>Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)</b>		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 2072 del 04/11/2024) CUP D92J25000010006 	<ul style="list-style-type: none"> <li>EVELIN - Transient Effects of VEgetation on rainfall-INDuced landslides: territorial-scale modelling for infrastructures' protection.</li> </ul>

## ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 50 points  
(a minimum score of 30 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 70 points  
**Minimum score for ELIGIBILITY:** 70/120

## ORAL EXAM PROGRAM

**Applicants admitted to the ORAL EXAM can take it either in PRESENCE or REMOTELY in Audio and Video Teleconference**  
(Applicants who intend to take the Oral Exam remotely must submit a formal request, using the form attached to the competition notice)

The ORAL EXAM includes the presentation and discussion of the research project by of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course

<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The assessment of knowledge of this language will be oral and will consist in reading and translating a paragraph of scientific text.
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SCHEDULE OF THE ADMISSION EXAMS		
ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	8 <sup>TH</sup> September 2025 (with possible extension in the following day)
	TIME	09:00 am (Italian Time)
	PLACE	Department of Chemistry, Life Sciences and Environmental Sustainability EARTH SCIENCES BUILDING Parco Area delle Scienze, 157/A – Campus 43124 PARMA - ITALY
FURTHER INFORMATION		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u></b>
		<div>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</div> <div>For foreign candidates, the admission examinations may be held in English at the candidate's choice.</div>

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 6 points

<b>Graduation thesis</b>	Congruence with the research topics of the PhD course and quality of the research methodology	<b>Up to 8 points</b>
<b>Research Project</b>	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"> <li>○ Scientific value and or originality of the proposal: max 8 points</li> <li>○ description and structure of the proposal: max 3 points</li> <li>○ proposal feasibility: max 3 points</li> <li>○ consistency with the research themes of the PhD course: max 8 points</li> </ul>	<b>Up to 22 points</b>
<b>Statement of Research Interest</b>	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	<b>Up to 1 point</b>
<b>Scientific Publications</b>	<ul style="list-style-type: none"> <li>○ Abstract presented at a national or international congress: 0,5 point</li> <li>○ Articles on scientific journals (ISI/SCOPUS): 2 points</li> <li>○ Other publication (related to the topics of PhD program: 1 point</li> </ul>	<b>Up to 5 points</b>
<b>Graduation mark</b>	Score related to the final mark: <ul style="list-style-type: none"> <li>- 110 and 110 with honours (magna cum laude): 5 points</li> <li>- from 107 to 109: 4.5 points</li> <li>- from 105 to 106: 3.5 points</li> <li>- from 100 to 104: 2.5 points</li> <li>- from 95 to 99: 1 point</li> <li>- under 95: 0.5 points</li> </ul>	<b>Up to 5 points</b>
<b>Average of the exam marks</b> (if the candidate will attain the degree no later than 31 October 2025)	Score related to the average of the exam marks: <ul style="list-style-type: none"> <li>- from 28 to 30: 5 points</li> <li>- from 27 to 27.99: 4.5 points</li> <li>- from 26.5 to 26.99: 3.5 points</li> <li>- from 26 to 26.49: 2.5 points</li> <li>- from 25 to 25.99: 1 point</li> <li>- under 25: 0.5 points</li> </ul>	<b>Up to 5 points</b>
<b>Other Academic qualifications</b>	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	<b>Up to 1 point</b>
<b>Other experiences (training, work, research, teaching, etc.)</b>	<ul style="list-style-type: none"> <li>○ Periods of study abroad: 1 point</li> <li>○ Scholarships, scientific associations awards: 1 point</li> </ul>	<b>Up to 2 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM includes the presentation of the research project</b> and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ knowledge of foreign languages: 5 points</li> <li>○ research project presentation: 50 points</li> <li>○ general knowledge of issues connected to the PhD course: 15 points</li> </ul>	<b>Up to 70 points</b>

PHILOSOPHY, SOCIAL SCIENCES, CULTURAL AND ENVIRONMENTAL HERITAGE	
CYCLE	XLI
COORDINATOR	Prof.ssa Federica VERATELLI e-mail: <a href="mailto:federica.veratelli@unipr.it">federica.veratelli@unipr.it</a> Department of Humanities, Social Sciences and Cultural Industries
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
CURRICULA	1. Philosophical Sciences 2. Socio-Anthropological Sciences 3. Educational Sciences 4. Art History, Music and Performing Arts
POSITIONS PUT OUT TO COMPETITION	5
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY VIA VIDEO CONFERENCE (only if special requirements are fulfilled, see below)
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree).</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations).</li> <li>– Second cycle master's degree obtained abroad, equivalent to the above-mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> <p>The qualifications must be included in the classes listed below:</p> <ul style="list-style-type: none"> <li>• LM-1 Cultural anthropology and ethnology</li> <li>• LM-2 Archaeology</li> <li>• LM-3 Landscape Architecture</li> <li>• LM-5 Archival and library science</li> <li>• LM-10 Conservation of architectural and environmental heritage</li> <li>• LM-11 Sciences for the conservation of cultural heritage</li> <li>• LM-12 Design</li> <li>• LM-14 Modern philology</li> <li>• LM-15 Philology, literature and history of antiquity</li> <li>• LM-19 Information and editorial systems</li> <li>• LM-36 Languages and literatures of Africa and Asia</li> <li>• LM-37 Modern European and American languages and literatures</li> <li>• LM-38 Modern languages for communication and international cooperation</li> <li>• LM-39 Linguistics</li> <li>• LM-43 IT methodologies for the humanities</li> <li>• LM-45 Musicology and musical heritage</li> <li>• LM-47 Organization and management of services for sport and physical activities</li> <li>• LM-48 Urban, environmental and territorial planning</li> <li>• LM-49 Design and management of tourism systems</li> <li>• LM-50 Planning and management of educational services</li> <li>• LM-51 Psychology</li> <li>• LM-55 Cognitive Sciences</li> <li>• LM-57 Adult education and continuing training sciences</li> <li>• LM-59 Public, corporate and advertising communication sciences</li> <li>• LM-62 Political sciences</li> <li>• LM-63 Public Administration Sciences</li> <li>• LM-64 Sciences of religions</li> <li>• LM-65 Entertainment sciences and multimedia production</li> <li>• LM-70 Food science and technology</li> <li>• LM-73 Forestry and environmental sciences and technologies</li> <li>• LM-75 Sciences and technologies for the environment and territory</li> <li>• LM-76 Economic sciences for the environment and culture</li> <li>• LM-77 Economic and business sciences</li> </ul>

	<ul style="list-style-type: none"> <li>• LM-78 Philosophical Sciences</li> <li>• LM-80 Geographical Sciences</li> <li>• LM-81 Sciences for development cooperation</li> <li>• LM-84 Historical Sciences</li> <li>• LM-85 Pedagogical sciences</li> <li>• LM-87 Social work and social policies</li> <li>• LM-88 Sociology and social research</li> <li>• LM-89 Art History</li> <li>• LM-90 European Studies</li> <li>• LM-91 Techniques and methods for the information society</li> <li>• LM-92 Communication Theories</li> <li>• LM-93 Theories and methodologies of e-learning and media education</li> <li>• LMR/02 Conservation and restoration of cultural heritage</li> <li>• LM-85 bis Primary education sciences</li> <li>• LM/GASTR Economic and social sciences of gastronomy</li> </ul> <p>Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b></p>
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## TRAINING OBJECTIVES

The objectives of the doctoral course in Philosophy, Social Sciences, Cultural and Environmental Heritage, according to Dublin descriptors for the third cycle, concur to achieve a set of skills and competencies necessary for the final degree:

- full understanding of the disciplinary field of research, as represented by the relevant curriculum, and skill in the research and analytical methods associated with it.
- ability to design, implement and adapt a research process considering ethical issues related to knowledge production.
- design and implement original research that can expand the frontiers of knowledge.
- develop skills in critical analysis, evaluation and synthesis of new and complex ideas.
- achieve a level of dissemination and communication appropriate to their field of research.
- engage in activities to promote, in academic and professional contexts, their results through participation in conferences and scientific publications.
- write a research thesis and support it with the prospect of discussing it before a committee at the conclusion of the three years.

The objectives are aimed, first and foremost, at offering students a training project consistent with the outgoing professional profiles (guaranteed by the different curricula) and the knowledge and skills (both disciplinary and interdisciplinary) associated with them. The training project is composed of a series of enabling elements, among which we highlight:

- the financial and structural resources available and the specificities offered by the University, including links with the territory in which it is embedded, i.e., relations with research institutions, the business world, various cultural and social organizations, sensitive to the themes of the doctoral course, open and available to different forms of collaboration.
- the network of relationships, both national and international, developed by the University and the members of the Teaching Board, which allow a constant alignment with the cultural and scientific evolution of the disciplines of reference of the Doctorate and a sustainable, effective and consistent mobility with the research developed, and offer prospects for cooperation at various levels for doctoral students, who will benefit from economic support consistent with current regulations;
- the centrality of the doctoral students, whose growth as an integral part of the scientific community is promoted and fostered, both through the organization of aggregating and common activities between the various curricula, and through disciplinary activities characterizing the curriculum of reference, including participation, also as speakers, in congresses, workshops and/or training schools both national and international.
- the strong interdisciplinary character of the doctoral course, based on a previous and consolidated interaction among the various members of the College pertaining to the different curricula, involved in common research projects and teaching activities, which guarantee different possibilities of collaboration to the advantage of a multifaceted training not limited to one's own disciplinary field.

## CURRICULA AND RESEARCH AREAS

- **Philosophical Sciences.** In the area of Philosophy, doctoral students' critical and logical-argumentative skills as well as their knowledge of the history of philosophy will be deepened, while enhancing the interdisciplinary character of knowledge and considering the thematic intersections with the other doctoral curricula. Doctoral students in Philosophical Sciences will be enabled to carry out original research-which requires skills of conceptual analysis, argumentation, historical and philological documentation-in the fields of theoretical philosophy, moral philosophy, political and social philosophy, philosophy of language, aesthetics, history of medieval, modern and contemporary philosophy.
- **Socio-Anthropological Sciences.** As part of the Ph.D. program, the curriculum in socio-anthropological disciplines aims to explore the transformations of contemporary society considering ongoing social, cultural and environmental processes, nationally and internationally. Privileging qualitative methodologies, the curriculum promotes diverse and interconnected perspectives and themes, including mobility and migration, sustainability, social and affective relations, cosmologies, religions and consciousness, social movements, gender, borders and frontiers, educational practices and pathways, and processes of patrimonialisation and (de)colonization.
- **Educational Sciences.** The curriculum in Educational Sciences aims to initiate research in all pedagogical areas (GSD 11/PAED-01, 11/PAED-02), also in relation to the area of cultural geography (GEOG-01/A), with special attention to methodological aspects and interdisciplinary connections with the other doctoral curricula, customizing the training based on the students' research project. Specifically, training on education theory and epistemology will dialogue with the philosophical disciplines; on the history and cultures of education with the PhD in Historical and Textual Sciences; training in didactics and special pedagogy with the artistic area (museum education) and with the socio-anthropological area for the themes of school and social inclusion, mediation and marginality and deviance; training on research methodology and social statistics will be able to relate with all curricula for the appropriate definition of research design and the analysis of the data collected. The themes of educational spaces, landscape and environmental education will constitute other aspects of the interdisciplinary vocation of the curriculum. Disciplinary teaching will be complemented by transversal modules, offered to the entire doctoral school, related to scientific communication, participation in conferences and competitive calls, and training in innovative teaching in school and university.
- **Art History, Music and Performing Arts.** The curriculum in Art History, Music and Performing Arts aims to train doctoral students in the areas of cultural and creative expressions, through disciplines aimed at the study, protection and enhancement of cultural heritage, both tangible and intangible. Through the study and research in the history of art, theater, cinema, television, photography, new media and musicology, museology and the history of collecting, librarianship and archives, aesthetics, and the legislation of cultural heritage, and also thanks to the interaction with the other curricula of the PhD program, doctoral students will be able to carry out original research with a strong interdisciplinary character, which will allow them to deepen their understanding of artistic and cultural production, expanding the horizons of knowledge towards a more cohesive and sustainable future.

### Positions with Scholarship

N°	Funding entity	Research Topic or Curricula or Areas
3	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>• Philosophical Sciences</li> <li>• Educational Sciences</li> <li>• Art History, Music and Performing Arts</li> </ul>

### Positions with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)

N°	Funding entity	BOUND RESEARCH TOPIC
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1	Scholarship funded by Department of Economics and Management (funds Project Horizon Europe INTERFACED - Grant Agreement n. 101178268 "Interfaces for Democratic Participation: Deliberation, Mobilization and Contestation Since the Onset of the Covid-19 Pandemic" – CUP D93C24001540006 	The project uses a mixed-methods approach to study the interactions between social movements and media institutions in the post-pandemic era. This approach involves conducting in-depth interviews and analyzing frames, protest events and social platforms.
1	Scholarship partly financed with UNIVERSITY funds and co-financed by the Department of Humanities, Social Sciences and Cultural Industries (funds DUSIC_PEDAGOGIA_RICERCA). 	Schools facing emerging educational needs and contemporary challenges: conducting research and providing training in professional development and didactic innovation.

### ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 80 points  
(a minimum score of 40 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 40 points  
**Minimum score for ELIGIBILITY:** 70/120

### ORAL EXAM PROGRAM

**THE ORAL EXAM IS IN PRESENCE.** If the candidate is residing abroad or temporarily abroad for study / work reasons the interview can be carried out **REMOTELY**, prior to filling the **justification FORM** attached to the call for applications.

**The ORAL test involves the presentation and discussion of the research project** by the candidate and is intended to verify the candidate's aptitude for scientific research and his/her general preparation on topics related to the doctoral course.

**Foreign Language**  
the fluency of which shall be assessed during the Oral Exam

**FRENCH,  
ENGLISH,  
GERMANY  
(AT THE CANDIDATE'S CHOICE)**

The evaluation of the knowledge will be oral and will consist in reading and translating of a scientific text.

### SCHEDULE OF THE ADMISSION EXAMS

<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area at: <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the preceding day the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	8 <sup>th</sup> September 2025 (with possible extension to the following day)
	<b>TIME</b>	10:00 am (Italian Time)
	<b>PLACE</b>	GREAT HALL "Scivoletto" Department of Humanities, Social Sciences and Cultural Industries Borgo Carissimi, 10 43121 PARMA - ITALY
<b>FURTHER INFORMATION</b>		<b>The choice of curriculum to be expressed in Annex A and during the online application procedure by the candidate, is not mandatory for the purposes of possible award of the scholarship by the Examination Board.</b> <u>The PhD research topic will be assigned by the Academic Board</u>




	<p><b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b></p> <p>For foreign candidates, the admission examinations may be held in Italian or in English at the candidate's choice.</p> <p><b>For foreign candidates, knowledge of the Italian language level B2 is required.</b></p>
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LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice It is to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use IT tools to verify the originality of the submitted Project</b> ). <u>It does not represent a constraint with respect to the following choice of the doctoral thesis,</u> which will be assigned by the Academic Board.	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including a university career, accompanied by a declaration in lieu of certification of the profit examinations taken and the relative marks, as well as post-graduate experience, including stays abroad, if they were carried out in an academic or research context. Any master's, postgraduate or specialization qualifications and research grants will be assessed under 'other qualifications'.	Up to 7 points
Graduation thesis	Congruence with the research topics of the PhD course and quality of the research methodology.	Up to 25 points
Research Project	Points relating to the research project shall be allocated based on the following criteria: <ul style="list-style-type: none"><li>○ scientific value and originality of the proposal</li><li>○ description and structure of the proposal</li><li>○ proposal feasibility</li><li>○ consistency with the research themes of the PhD course</li></ul>	Up to 28 points
Scientific Publications	Monographs, articles in scientific journals, chapters of books, convention papers, reviews, catalog entries.	Up to 12 points
Other Academic or professional qualifications	First or second level master’s degree obtained in Italy and/or specialization degree in subjects consistent with the curricula of this PhD program, ost-graduate scholarships, professional activity consistent with the field of research.	Up to 8 points

EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS
<p><b>The ORAL EXAM</b> includes the presentation and discussion of the candidate's research project and aims to test the candidate's aptitude for scientific research and general preparation on topics related to the research themes of the PhD course.</p>	<ul style="list-style-type: none"> <li>○ knowledge of the foreign language: <b>5 points</b></li> <li>○ disciplinary knowledge, methodological and argumentative skills: <b>35 punti</b></li> </ul>	<p><b>Up to 40 points</b></p>

JURIDICAL SCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Francesco MAZZACUVA email: <a href="mailto:francesco.mazzacuva@unipr.it">francesco.mazzacuva@unipr.it</a> Department of Law, Politics and International Studies
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	4
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<p>The main objectives that the Doctoral Course in Legal Sciences aims to achieve, through the provision and conduct of the training project described above (interdisciplinary and/or methodological content teaching offered in the three-year period; as well as seminar activities of sector or common teaching), are:</p> <p>a) the training of highly qualified researchers, capable of carrying out high-profile research activities within the scope of the topics of the scientific-disciplinary sectors of reference. The acquisition of the PhD degree will promote access to various professional careers. On the one hand, PhDs will be able to find employment at universities or national and international research organisations, pursuing their activities in the field of 'pure' legal research; on the other hand, by spending the acquired skills on a more pragmatic level, they will be able to find employment in the corporate sector, in the public administration, not only at central level, as well as in international organisations (operating, for example, in the field of the protection of fundamental rights and judicial cooperation in civil and criminal law);</p> <p>b) the deepening, moreover, of the knowledge required for access to traditional jobs in the legal sector, in the liberal professions (lawyers, notaries), or in the public sector (judiciary, management careers).</p>	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• GIUR-02/A (IUS/04) – Business law</li> <li>• GIUR-08/A (IUS/12) – Tax law</li> <li>• GIUR-11/B (IUS/21) – Comparative public law</li> <li>• GIUR-12/A (IUS/15) – Civil procedural law</li> </ul>	

#### Position with Scholarship

N°	Funding entity	Research Topic
2	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>GIUR-11/B (IUS/21) – Comparative public law</li> <li>GIUR-12/A (IUS/15) – Civil procedural law</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> <li>GIUR-08/A (IUS/12) – Tax law</li> </ul>
<b>Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)</b>		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) – CUP D92J25000110002 	<ul style="list-style-type: none"> <li>GIUR-02/A (IUS/04) – Business law: Intellectual property and innovation in the agri-food chain in the face of new technologies</li> </ul>

### ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 70 points  
(a minimum score of 35 points shall be required to be admitted to the Oral Exam)  
**ORAL EXAM:** up to 50 points  
**Minimum score for ELIGIBILITY:** 70/120

### ORAL EXAM PROGRAM

**THE ORAL EXAM TAKES IN THE PRESENCE** and with the possibility of carrying out the interview **REMOTELY** for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit a **motivated REQUEST** as per the model attached to the competition announcement)

The ORAL EXAM includes the presentation and discussion of the research project by of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course

<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist in translating of a scientific text
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### SCHEDULE OF THE ADMISSION EXAMS

<b>ASSESSMENT OF QUALIFICATIONS</b>		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
<b>ORAL EXAM</b>	<b>DATE</b>	8 <sup>th</sup> September 2025 (with possible extension in the following days)
	<b>TIME</b>	10:00 am (Italian Time)
	<b>PLACE</b>	"BANDIERA" CLASSROOM University of Parma - CENTRAL PALACE – 1 <sup>st</sup> FLOOR Via Università, 12 43121 PARMA - ITALY



FURTHER INFORMATION	The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u>	
	THE INTERVIEW MAY BE HELD ALSO IN ENGLISH for foreign candidates	For foreign candidates, the admission examinations may be held in English at the candidate's choice.

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice. It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis,</u> which will be assigned by the Academic Board	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.  Score related to the final mark: - 110 with honours (magna cum laude): 10 points - 110: 8 points - from 108 to 109: 6 points - from 106 to 107: 4 points - from 104 to 105: 2 points  Score related to the average of the exam marks (if the candidate will attain the degree no later than 31 October 2025): - From 29/30 to 30/30: 8 points - From 28/30 to 28,99/30: 4 points - From 27/30 to 27,99/30: 2 points	Up to 35 points
Graduation thesis	Congruence with the research topics of the PhD course for the scientific disciplinary sectors available for competition	Up to 5 points

<b>Research Project</b>	Points relating to the research project: <ul style="list-style-type: none"> <li>○ methodological rigor: max 10 points</li> <li>○ originality: max 8 points</li> <li>○ consistency with the chosen research area: max 2 points</li> </ul>	<b>Up to 20 points</b>
<b>Scientific Publications</b>	Monographs, articles in scientific journals, chapters in collective volumes (uniquely referable to the candidate).	<b>Up to 5 points</b>
<b>Other Academic qualifications</b>	First or second level Master's degree obtained in Italy and/or specialization degree in subjects consistent with the research topics of this PhD program	<b>Up to 3 points</b>
<b>Other experiences (training, work, research, teaching, etc.)</b>	<ul style="list-style-type: none"> <li>– Research activity (basic, applied, translational, etc.) carried out in any capacity, including when covered by research grant, and as a staff member of research units</li> <li>– Working activity</li> <li>– Professional and/or training internship</li> <li>– Language proficiency certificates</li> <li>– Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes)</li> <li>– Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)</li> </ul>	<b>Up to 2 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM</b> includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ presentation of the project: max 30 points</li> <li>○ preparation on the topics of the scientific disciplinary sector of reference for the project: max 20 points</li> </ul>	<b>Up to 50 points</b>

TRASLATIONAL MEDICAL AND SURGICAL SCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Gabriele MISSALE email: <a href="mailto:gabriele.missale@unipr.it">gabriele.missale@unipr.it</a> Department of Medicine and Surgery
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	11
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Test in PRESENCE
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above-mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
<p>The PhD Program in Translational Medical and Surgical Sciences is designed as a multidisciplinary doctorate, where the common denominator of the various research activities carried out by the PhD students is the application of acquired knowledge to clinical practice. Indeed, the close connection between preclinical and clinical research will enable the transfer of discoveries and methodological skills gained through experimental studies into medical practice. This will allow PhD students to address real-world issues, ranging from diagnosis to therapy and from prevention to rehabilitation—all of which, however, relate to human pathology and patient care.</p> <p>The bidirectional exchange between laboratory research and clinical practice will feed clinical and epidemiological observations back into the lab, while simultaneously anchoring experimental research to topics originating from direct human input and validation.</p> <p>Therefore, the ultimate goal of the PhD Program in Translational Medical and Surgical Sciences is to train highly qualified researchers, providing them with the opportunities, skills, and technological resources needed to conduct high-level translational research within public or private institutions, both nationally and internationally. These include, but are not limited to, universities, research institutes, and PharmaMed industries.</p>	
RESEARCH AREAS	
<ol style="list-style-type: none"> <li>1. Stem cells in the diagnosis and treatment of neoplasms, chronic and degenerative diseases, cardiovascular disorders, and musculoskeletal pathologies;</li> <li>2. Translational medicine and immunological dysregulation of digestive, respiratory, infectious, hematological, oncological, endocrinological, nephrological, dermatological diseases and vasculites;</li> <li>3. Plasticity, function, and diagnostic-therapeutic use of genomic, transcriptomic, proteomic, and metabolomic platforms in cells, organs, and tissues for prevention or management of neoplasms, infections, genetic diseases, chronic, metabolic, and degenerative disorders, obstetric-neonatal conditions, and in response to environmental factors, lifestyle, and drugs;</li> <li>4. Development and "theranostic" function of advanced imaging and phenotyping platforms for prevention or management of neoplasms, infections, chronic, metabolic, and degenerative diseases, obstetric-neonatal conditions, and in response to environmental factors, lifestyle, and drugs;</li> <li>5. Development and application of technologically advanced devices, including those of biological composition or origin, for measuring, supporting, or replacing the function of cells, tissues, and organs in medical and surgical diseases;</li> </ol>	

6. Advanced and innovative strategies for functional recovery and rehabilitation in prevention or management of neoplasms, infections, chronic, metabolic, and degenerative diseases, obstetric-neonatal conditions, and in response to environmental factors, lifestyle, and drugs;
7. Role of governance and organization in healthcare systems and services for the prevention and treatment of diseases with major social and economic impact, including environmental and occupational diseases;
8. Role of the microbiota and microbiome in translational medicine and surgery;
9. Extraction and role of "big data" in translational medicine and surgery;
10. Role of advanced technologies, including robotics, in translational surgery;
11. Role of qualitative and quantitative imaging in the diagnosis of neoplasms, infections, and chronic-degenerative diseases.

Position with Scholarship		
N°	Funding entity	Research Topic, if any
1	Scholarship funded by University of Parma (Ministerial funds)	
1	Scholarship co-funded by Fondazione Cariparma	
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by AIL PARMA ODV	Dissecting the role of PA2G4 in acute Myeloid Leukemia
1	Scholarship partly financed with UNIVERSITY funds and co-financed by Amsterdam UMC – Department Lab. Medical Oncology (LabMO)	Studies of new therapeutic approaches to overcome resistance to targeted agents in pancreatic and lung cancer
2	Scholarship funded by Department of Medicine and Surgery (funds Project no. 3592 ARALDI_2023_HUMANTECHNOPOLE_BRIDGING, CUP D93C23000820005)	<ul style="list-style-type: none"> <li>Interactome and gene regulatory networks of cholesterol biosynthesis intermediates</li> <li>Peptide amidation in GLP-1 secretion and in mechanisms of resistance to GLP-1 receptor agonists</li> </ul>
2	Scholarship funded by Department of Medicine and Surgery (funds ARALDI_2024-HORIZON-EUROPE_ERC-2024-STG Project GLP1RES G.A. no. 101164006 CUP D93C24002190006)	
1	Scholarship funded by Interdepartmental Microbiome Research Center “Microbiome Research Hub” (funds Project HE EIC Pathfinder Precision Nutrition: MENTORING: “assessing malnutrition and metabolic health in non-communicable diseases through precision Nutrition: impact in quality of life and prognosis of lung cancer patients” G.A. no. 101162297 CUP D97G24000120006) 	Evaluation of metabolic and nutritional aspects in the context of lung cancer disease and their prognostic and predictive correlation of treatment efficacy
1	Scholarship funded by EMILIA ROMAGNA REGION (- PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	Transcriptomic trajectories of blood cells as early predictors of cardiometabolic diseases in the Barilla Offspring longitudinal cohort study

POSITION RESERVED



1	Reserved to Holders of RESEARCH GRANT within the Project MARIE SKŁODOWSKA-CURIE ACTIONS – COFUND “Training Future Big Data Experts for Europe (FutureData4EU)”
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ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 45 points <b>ORAL TEST:</b> up to 75 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL TEST PROGRAM		
<b>THE ORAL TEST TAKES IN PRESENCE</b> and with the possibility of carrying out the interview <b>REMOTELY</b> <u>only for candidates unable to take the test in person for valid health reasons</u> . To this end, candidates must submit <b>a motivated REQUEST</b> as per the model attached to the competition announcement)		
The ORAL test involves the presentation and discussion of the research project by the candidate and is aimed at verifying the candidate's aptitude for scientific research and his general preparation on topics related to the research themes of the doctoral course		
<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Test	<b>ENGLISH</b>	The knowledge of the English language will be assessed orally and will consist in reading and translating a scientific text

SCHEDULE OF ADMISSION TEST		
ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the titles evaluation, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Test
ORAL EXAM	DATE	2 <sup>nd</sup> September 2025 (with possible extension to the following day)
	TIME	09:00 am (Italian Time)
	PLACE	ROOM 5 - POLO GRAMSCI Department of Medicine and Surgery Via A. Gramsci, 14 43126 PARMA - ITALY
FURTHER INFORMATION		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission test.</b> <u>The PhD research topic will be assigned by the Academic Board.</u>
		<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b>  For foreign candidates, the admission test may be held in English at the candidate's choice.


LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
ANNEX A	(art. 3.2 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)

Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master's degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
<b>LIST OF EVALUABLE QUALIFICATIONS</b> (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	<b>Up to 9 points</b>
Graduation mark	Score assignable for the final mark: - 110 with honours (magna cum laude): 5 points - 110: 3 points - From 106 to 109: 2 points - From 102 to 105: 1 point	<b>Up to 5 points</b>
Average of the exam marks (only for candidates enrolled under condition and graduating by 10/31/2025)	Score assignable for the average of the exam marks: - 30/30: 5 points - From 28/30 to 29/30: 3 points - From 26/30 to 27/30: 2 points - From 24/30 to 25/30: 1 point	<b>Up to 5 points</b>
Graduation thesis	Congruence with the research topics of the PhD course and quality of the research methodology	<b>Up to 2 points</b>
Research Project	Score assignable for the research project: <ul style="list-style-type: none"><li>Scientific value and originality of the proposal: max 6 points</li><li>Description and structure of the proposal: max 2 points</li><li>Proposal feasibility: 1 point</li><li>Congruence with the training objectives of the PhD program: 1 point</li></ul>	<b>Up to 10 points</b>
Statement of Research Interest	Short text – maximum 1 page – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	<b>Up to 1 point</b>
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc.	<b>Up to 9 points</b>
Reference Letters	A maximum of 2 letters, written by Professors or Researchers from the applicant's University or from other Universities or from experts in the research field working in public or private research facilities. <b>The reference letters must be sent directly by the signer to the address e-mail: <a href="mailto:elisa.araldi@unipr.it">elisa.araldi@unipr.it</a></b> The candidate, therefore, must not uploading them through the procedure of the competition online registration.	<b>Up to 3 points</b>

<b>Other Academic qualifications</b>	<ul style="list-style-type: none"> <li>• Second level Master's degree and Specialization: 3 points</li> <li>• First level Master's degree and/or Advanced training and/or specialization and/or Higher Education course: 1 point</li> </ul>	<b>Up to 3 points</b>
<b>Other experiences (training, work, research, teaching, etc.)</b>	<ul style="list-style-type: none"> <li>• Research activities (basic, applied, translational, etc.) carried out in any way, including those covered by research grant, and conducted as a staff member of research units</li> <li>• Working activity</li> <li>• Activities at accredited laboratories</li> <li>• Professional and/or training internship</li> <li>• Language proficiency certificates</li> <li>• Periods of study abroad, outside the country of origin (e.g. Erasmus or similar programmes)</li> <li>• Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)</li> </ul>	<b>Up to 3 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL TEST includes the presentation of the research project</b> and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ Ability to argument the project proposal: up to 28 points</li> <li>○ Discussion of the critical points of the project: up to 18 points</li> <li>○ Ability to provide an adequate scientific context to the project proposal: up to 12 points</li> <li>○ Ability to mitigate risks deriving from unexpected results: up to 10 points</li> <li>○ Knowledge of the English language: up to 7 points</li> </ul>	<b>Up to 75 points</b>

VETERINARY SCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Gaetano DONOFRIO email: <a href="mailto:gaetano.donofrio@unipr.it">gaetano.donofrio@unipr.it</a> Department of Veterinary Science
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	7
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>- "Laurea Magistrale" LM-42 Veterinary Medicine</li> <li>- "Laurea Magistrale" LM-6 Biology</li> <li>- "Laurea Magistrale" LM-9 Medical Biotechnology, Veterinary and Pharmaceutical</li> <li>- "Laurea Magistrale" LM-86 Zootechnical Sciences and Animal Technologies</li> <li>- as well as the equivalent "laurea specialistica" or "laurea" achieved based on the university system in force before the entry into force of Italian Ministerial Decree No. 509/99</li> <li>- Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral programs</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
Veterinary Science Doctoral course aims at training PhD-students about research topics on basic, pre-clinical, clinical and nonclinical areas (animal production and food inspection) by novel methodology and technology. PhD student chooses to develop his/her own research project under the supervision of a Tutor and to produce scientific outcomes in the following area: VET, AGR and BIO.	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• Biopathology</li> <li>• Clinical Sciences</li> <li>• Basic Sciences</li> <li>• Animal Production Sciences and Technologies</li> <li>• Food Inspection and Public Health</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic, if any
2	Scholarship funded by University of Parma (Ministerial funds)	
1	Scholarship co-funded by Fondazione Cariparma <b>"CARLO GABBI"</b>	

Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with UNIVERSITY funds and co-financed by Department of Veterinary Science (funds CIPOLAT_2023_CONS_CFPR CIPOLAT_2024_CONS_LATTERIA-MANTOVA)	Integrated approaches for assessing animal welfare and milk quality through biomarkers and predictive modelling
1	Scholarship partly financed with UNIVERSITY funds and co-financed by Department of Veterinary Science (funds Ospedale Veterinario P.P._OVUD_2025)	Application of minimally invasive endoscopic surgical techniques in the clinical gastroenterological practice of equids
1	Scholarship funded by Chiesi Farmaceutici S.p.A.	Viral Vectors for lung diseases modelling
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) - CUP D92J25000110002 	Investigation of Shiga toxin-producing Escherichia coli (STEC) contamination in raw milk cheese and raw meat in the Emilia-Romagna Region for risk assessment purposes

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 40 points <b>ORAL EXAM:</b> up to 80 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM		
THE ORAL EXAM TAKES PLACE IN THE PRESENCE.		
The ORAL EXAM includes the presentation and discussion of the research project by of the research project and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course		
Foreign Language the fluency of which shall be assessed during the Oral Exam	ENGLISH	Reading, translation and comprehension of a part of an English scientific paper.

SCHEDULE OF THE ADMISSION EXAMS		
ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	8 <sup>th</sup> September 2025 with possible extension in the following days
	TIME	09:00 AM (Italian Time)
	PLACE	ROOM "C" Department of Veterinary Science Via del Taglio, 10 43126 PARMA - ITALY

<b>FURTHER INFORMATION</b>	The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. <u>The PhD research topic will be assigned by the Academic Board.</u>	
	<b>THE INTERVIEW MAY BE HELD ALSO IN ENGLISH</b>	For foreign candidates, the admission examinations may be held in English at the candidate's choice.

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark. The marks of the exams and the graduation mark will be the most relevant element of the evaluation.	Up to 2 points
Graduation mark	Score related to the final mark: - 110 with honours (magna cum laude): 3 points; - 110: 2 points; - From 100 to 109: 0.1 points for each mark unit	Up to 3 points
Average of the exam marks (if the candidate will attain the degree no later than 31 October 2025)	Score related to the average of the exam marks: - 30/30: 3 points; - From 26/30 to 29/30: 2 points; - From 22/30 to 25/30: 1 point; - From 18/30 to 21/30: 0.5 points	Up to 3 points

<b>Graduation thesis</b>	Congruence with the research topics of the PhD course and quality of the research methodology	<b>Up to 5 points</b>
<b>Research Project</b>	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"> <li>○ Scientific value and or originality of the proposal</li> <li>○ description and structure of the proposal</li> <li>○ proposal feasibility</li> <li>○ consistency with the research themes of the PhD course</li> </ul>	<b>Up to 10 points</b>
<b>Statement of Research Interest</b>	Short text – maximum 2 pages – in Italian or in English, aimed at explaining the candidate's reasons to attend the PhD program and at describing her/his specific research interests	<b>Up to 5 points</b>
<b>Scientific Publications</b>	Articles published in journals indexed in databases Scopus	<b>Up to 5 points</b>
<b>Reference Letters</b>	A maximum of 2 written by professors or researchers at the University of origin of the candidate or from other universities or from experts in the research areas working in public or private research facilities. <b>They must be sent directly by the signer to the address e-mail: <a href="mailto:gaetano.donofrio@unipr.it">gaetano.donofrio@unipr.it</a> .</b> The candidate, therefore, must not uploading them through the procedure of the competition online registration.	<b>Up to 5 points</b>
<b>Other qualifications</b>	Other qualifications certifying the candidate's training and skills (scholarships, prizes, etc.) relevant to the PhD topics: <ul style="list-style-type: none"> <li>– Scientific research, of any type (basic, oriented, finalized, translational, applied, etc.) and carried out with different level of qualification, including the ownership of research grants and participation in research projects</li> <li>– Working activity</li> <li>– Professional and/or training internship</li> <li>– Language proficiency certificates</li> <li>– Periods of study abroad, outside the country of origin (e.g. Erasmus program or other similar mobility programs)</li> <li>– Other qualifications attesting the suitability of the applicants (scholarships, awards, etc.)</li> </ul>	<b>Up to 5 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM includes the presentation of the research project</b> and is intend to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course		<b>Up to 80 points</b>

HISTORICAL AND TEXTUAL SCIENCES	
CYCLE	XLI
COORDINATOR	Prof. Giulio IACOLI email: <a href="mailto:giulio.iacoli@unipr.it">giulio.iacoli@unipr.it</a> Department of Humanities, Social Sciences and Cultural Industries
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
CURRICULA	1. Italian Studies 2. Foreign Languages and Literatures 3. Classical Studies 4. Historical Sciences
POSITIONS PUT OUT TO COMPETITION	4
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY VIA VIDEO CONFERENCE (only if special requirements are fulfilled, see below)
ADMISSION REQUIREMENTS	<p>Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission:</p> <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> <p>The qualifications must be included in the classes listed below:</p> <ul style="list-style-type: none"> <li>• LM-1 Cultural anthropology and ethnology</li> <li>• LM-2 Archaeology</li> <li>• LM-3 Landscape Architecture</li> <li>• LM-5 Archival and library science</li> <li>• LM-10 Conservation of architectural and environmental heritage</li> <li>• LM-11 Sciences for the conservation of cultural heritage</li> <li>• LM-12 Design</li> <li>• LM-14 Modern philology</li> <li>• LM-15 Philology, literature and history of antiquity</li> <li>• LM-19 Information and editorial systems</li> <li>• LM-36 Languages and literatures of Africa and Asia</li> <li>• LM-37 Modern European and American languages and literatures</li> <li>• LM-38 Modern languages for communication and international cooperation</li> <li>• LM-39 Linguistics</li> <li>• LM-43 IT methodologies for the humanities</li> <li>• LM-45 Musicology and musical heritage</li> <li>• LM-48 Urban, environmental and territorial planning</li> <li>• LM-49 Design and management of tourism systems</li> <li>• LM-52 International Relations</li> <li>• LM-55 Cognitive Sciences</li> <li>• LM-56 Economic Sciences</li> <li>• LM-59 Public, corporate and advertising communication sciences</li> <li>• LM-62 Political sciences</li> <li>• LM-63 Public Administration Sciences</li> <li>• LM-64 Sciences of religions</li> <li>• LM-65 Entertainment sciences and multimedia production</li> <li>• LM-75 Sciences and technologies for the environment and territory</li> <li>• LM-76 Economic sciences for the environment and culture</li> <li>• LM-78 Philosophical Sciences</li> <li>• LM-80 Geographical Sciences</li> <li>• LM-81 Sciences for development cooperation</li> </ul>



	<ul style="list-style-type: none"> <li>• LM-84 Historical Sciences</li> <li>• LM-85 Pedagogical sciences</li> <li>• LM-87 Social work and social policies</li> <li>• LM-88 Sociology and social research</li> <li>• LM-89 Art History</li> <li>• LM-90 European Studies</li> <li>• LM-92 Communication Theories</li> <li>• LM-93 Theories and methodologies of e-learning and media education</li> <li>• LM-94 Specialized translation and interpreting</li> </ul> <p>Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b></p>
<b>TRAINING OBJECTIVES</b>	
<p>The objectives of the doctoral course in Historic and Textual Sciences, according to Dublin descriptors for the third cycle, concur to achieve a set of skills and competencies necessary for the final degree:</p> <ul style="list-style-type: none"> <li>- full understanding of the disciplinary field of research, as represented by the relevant curriculum, and skills in the research and analytical methods associated with it;</li> <li>- ability to design, implement and adapt a research process taking into account ethical issues related to knowledge production;</li> <li>- design and implement original research that can expand the frontiers of knowledge;</li> <li>- develop skills in critical analysis, evaluation and synthesis of new and complex ideas;</li> <li>- achieve a level of dissemination and communication appropriate to their field of research;</li> <li>- engage in activities to promote, in academic and professional contexts, their results through participation in conferences and scientific publications;</li> <li>- write a research thesis and support it with the prospect of discussing it before a committee at the conclusion of the three years.</li> </ul> <p>The objectives are aimed, first and foremost, at offering students a training project consistent with the outgoing professional profiles (guaranteed by the different curricula) and the knowledge and skills (both disciplinary and interdisciplinary) associated with them. The training project consists of a series of enabling elements, among which we highlight:</p> <ul style="list-style-type: none"> <li>- the financial and structural resources available and the specificities offered by the University, including links with the territory in which it is embedded, i.e., relations with research institutions, the business world, various cultural and social organizations, sensitive to the themes of the doctoral course, open and available to different forms of collaboration;</li> <li>- the network of relationships, both national and international, developed by the University and the members of the Teaching Board, which allow a constant alignment with the cultural and scientific evolution of the disciplines of reference of the Doctorate and a sustainable, effective and consistent mobility with the research developed, and offer prospects for cooperation at various levels for doctoral students, who will benefit from economic support consistent with current regulations;</li> <li>- the centrality of the doctoral students, whose growth as an integral part of the scientific community is promoted and fostered, both through the organization of aggregating and common activities between the various curricula, and through disciplinary activities characterizing the curriculum of reference, including participation, also as speakers, in congresses, workshops and/or training schools both national and international;</li> <li>- the strong interdisciplinary character of the doctoral course, based on a previous and consolidated interaction among the various members of the College pertaining to the different curricula, involved in common research projects and teaching activities, which guarantee different possibilities of collaboration to the advantage of a multifaceted training not limited to one's own disciplinary field.</li> </ul>	
<b>CURRICULA AND RESEARCH AREAS</b>	
<ul style="list-style-type: none"> <li>• <b>ITALIAN STUDIES</b> The curriculum aims at developing specialistic formations in a wide historical and methodological spectrum, in a variety of disciplines, comprising romance philology to the history and hermeneutics of medieval, modern, and contemporary literature; philology of Italian Literature and linguistics and History of Italian language; the relationship between publishing and literature; literary theory and comparative literature. The curriculum aims at forming researchers who are at ease with both linguistic and philological notions and theoretical ones. They will be able to create critical and annotated editions of texts belonging to the romance or Italian tradition, as well as to innovative analyses in the fields of literary history, educative linguistics, didactics of language and literature, cultural and thematic studies.</li> <li>• <b>FOREIGN LANGUAGES AND LITERATURES</b></li> </ul>	

The curriculum revolves around the study of foreign languages and literatures (English, French, Spanish, German, Russian, Portuguese, Chinese) as well as on their postcolonial expressions. The constant search for original and innovative trajectories favors the connection with most recent theories and methodologies of linguistic disciplines (translation, discourse analysis, corpora studies, lexicography), as well as the theoretical and historical critical analysis of different literary and cultural expression, from Early Modern to the Contemporary Age.

- **CLASSICAL STUDIES**

The curriculum aims at expanding, in the enrolled students, knowledge and competences about classical studies, and especially in the fields of linguistics, classical philology and literature, archaeology, Medieval and Humanistic tradition of Greek and Latin language and culture. Students will be brought to create a critical edition, a commentary, or an essay, concerning texts written in Greek or Latin, or the edition of archaeological sources or contexts, considering the entire timeframe of their tradition, or prolonged life.

- **HISTORICAL SCIENCES**

The curriculum aims at forming young scholars in the critical analysis of the past, from Antiquity to Contemporary age, with a specific focus on socio-economic, institutional-juridical, political-religious, and cultural dimensions of human communities. The curriculum will also involve the history of historiography, intellectual history, the history of political thought, historical geography, and economic history. In this light, the curriculum will promote research paths based on most recent theoretical-disciplinary methods, that will allow students to confront themselves with sources, as well as reconstructing the contexts, as well as classic interpretations and traditions, fostering an original research project, as well as the capacity to look at and reproduce the complexity of the past. In terms of formation, students will acquire solid critical methodologies, among which the capacity to establish a dialogue with archival disciplines, social sciences, and Digital Humanities.

#### Positions with Scholarship

N°	Funding entity	Research Topic, if any
3	Scholarship funded by University of Parma (Ministerial funds)	<ul style="list-style-type: none"> <li>• Italian Studies</li> <li>• Classical Studies</li> <li>• Historical Sciences</li> </ul>
1	Scholarship co-funded by Fondazione Cariparma	<ul style="list-style-type: none"> <li>• Foreign Languages and Literatures</li> </ul>

#### ADMISSION PROCEDURES

**Assessment of QUALIFICATIONS:** up to 80 points

(a minimum score of 40 points shall be required to be admitted to the Oral Exam)

**ORAL EXAM:** up to 40 points

**Minimum score for ELIGIBILITY:** 70/120

#### ORAL EXAM PROGRAM

**THE ORAL EXAM TAKES IN THE PRESENCE** and with the possibility of carrying out the interview **REMOTELY** for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit **a motivated REQUEST** as per the model attached to the competition announcement)

The ORAL test involves the presentation and discussion of the research project by the candidate and is aimed at verifying the candidate's aptitude for scientific research and his general preparation on topics related to the research topics of the doctoral course

<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH, FRENCH, SPANISH, GERMANY (AT THE CANDIDATE'S CHOICE)</b>	The evaluation of the knowledge will be oral and will consist in reading and translating of a scientific text
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SCHEDULE OF THE ADMISSION EXAMS		
ASSESSMENT OF QUALIFICATIONS	It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam	
ORAL EXAM	DATE	9 <sup>th</sup> September 2025 (with possible extension to 10 <sup>th</sup> September 2025)
	TIME	09:00 am (Italian Time)
	PLACE	ROOM C Department of Humanities, Social Sciences and Cultural Industries Via D'Azeglio, 85 43125 PARMA - ITALY
FURTHER INFORMATION	<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam. The PhD research topic will be assigned by the Academic Board.</b>	
	THE INTERVIEW MAY BE HELD ALSO IN ENGLISH	For foreign candidates, the admission examinations may be held in Italian or in English at the candidate's choice.  For foreign candidates, knowledge of the Italian language level B2 is required.

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT		
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION		
ANNEX A	(art. 3.2 of the Competition notice)	
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)	
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)	
Abstract of degree thesis	Abstract of the second cycle master’s degree thesis. Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)	
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor’ and Master’ degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).	
Research Project	Written in Italian or in English, according to the format attached to the competition notice. It will have to focus on an original research topic ( <b>unpublished, developed personally by the candidate, PENALTY NOT EVALUATION. It should be noted that the Examination Board can use of IT tools useful for verifying the originality of the submitted Project</b> ) <u>It does not represent a constraint with respect to the following choice of the doctoral thesis, which will be assigned by the Academic Board</u>	
LIST OF EVALUABLE QUALIFICATIONS		
(only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Including academic career and postgraduate experience, accompanied by a statutory declaration in lieu of the certification of the exams passed with the relevant marks, as well as the final graduation mark.	Up to 7 points

<b>Graduation mark (or alternatively average of the exam marks)</b>	Score related to the final mark: - 110 with honours (magna cum laude). Alternatively, where this is not yet present: score relating to the average of the exam marks	<b>Up to 1 points</b>
<b>Graduation thesis</b>	Consistency of the Master's Degree thesis with the doctoral program research topics, methodological rigor, knowledge of critical literature	<b>Up to 25 points</b>
<b>Research Project</b>	Points relating to the research project (originality, articulation, feasibility of the proposal)	<b>Up to 28 points</b>
<b>Scientific Publications</b>	Monographs, articles in national and international scientific journals, book chapters, conference proceedings, reviews	<b>Up to 11 points</b>
<b>Other qualifications</b>	Post lauream scholarship, experience abroad, award	<b>Up to 8 points</b>
<b>EVALUATION ORAL EXAM</b>		
<b>Interview Program</b>	<b>Evaluation CRITERIA</b>	<b>POINTS</b>
<b>The ORAL EXAM includes the presentation of the research project</b> and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"> <li>○ knowledge of foreign language: <b>max 5 points</b></li> <li>○ knowledge and methodology necessary for the realization of the project: <b>max 35 points</b></li> </ul>	<b>Up to 40 points</b>

INFORMATION TECHNOLOGIES	
CYCLE	XLI
COORDINATOR	Prof. Alberto BONONI email: <a href="mailto:alberto.bononi@unipr.it">alberto.bononi@unipr.it</a> Department of Engineering and Architecture
DURATION	3 years
STARTING DATE OF THE PHD PROGRAM	01/11/2025
POSITIONS PUT OUT TO COMPETITION	14
ADMISSION PROCEDURES	Assessment of QUALIFICATIONS and Research Project Oral Exam in PRESENCE or REMOTELY
ADMISSION REQUIREMENTS	Regardless of age and citizenship, applicants holding at least one of the following academic qualifications can apply for admission: <ul style="list-style-type: none"> <li>– Laurea specialistica or Laurea magistrale (second cycle master's degree)</li> <li>– Laurea Vecchio Ordinamento (degree obtained under the previous Italian regulations);</li> <li>– Second cycle Master's degree obtained abroad, equivalent to the above mentioned Italian degrees and recognized as suitable for the admission to doctoral program</li> </ul> Undergraduates can also apply for admission to the selection, with the obligation to obtain the degree by <b>31.10.2025</b>
TRAINING OBJECTIVES	
The course aims at educating the future Ph.D.'s so that they will enter the research world with an active role, within both universities and industries	
RESEARCH AREAS	
<ul style="list-style-type: none"> <li>• Electronics instrumentation and electrical drives</li> <li>• Computer systems and automatic control</li> <li>• Telecommunications and electromagnetic fields</li> </ul>	

Position with Scholarship		
N°	Funding entity	Research Topic, if any
2	Scholarship funded by University of Parma (Ministerial funds)	
Position with Scholarship LINKED TO SPECIFIC TOPICS (art. 6 of the Competition notice)		
N°	Funding entity	BOUND RESEARCH TOPIC
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Engineering and Architecture (funds Prof. Lodi Rizzini LODIRIZZINI_2023_CT_E80GROUP) and co-financed by the Company E80 Group S.p.A.	3D Localization and Mapping Methods for Unconventional Robots in Industrial Environments
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Company Kosme S.r.l.	Modeling and optimization of a magnetic levitation system for transporting multiple objects, with minimization of transport time and energy consumption
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Engineering and Architecture (funds	Development an assistive exoskeleton for the lower limbs, capable of autonomously managing movement on staircases

	Prof. Guarino Lo Bianco CUP B53C22006840001 – Codice Bando PNC0000007_1)	
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Engineering and Architecture (funds Prof. Bertozzi BROG16DOTT, 66ZANELBR, 66QNXSSL12)	Multi-modal deep learning models for robust detection in autonomous driving
1	Scholarship partly financed with MINISTERIAL funds and UNIVERSITY funds and co-financed by the Department of Engineering and Architecture (funds Prof. Ferrari PROGETTO FERRARI_2024_HE_DISTRIMUSE)	Development of IoT (Internet of Things) systems for motion analysis, with applications mainly in the field of biophysiological monitoring
1	Scholarship funded by Department of Engineering and Architecture (funds Prof. Ferrari)	Development of advanced systems for collecting and integrating terrestrial and satellite data for distributed monitoring in various scenarios, including smart cities and smart agriculture
1	Scholarship funded by Department of Engineering and Architecture (funds Bertozzi BROG16DOTT, 66ZANELBR, 66QNXSSL12)	Simulation of Complex Driving Scenarios with Simulators for Training Artificial Intelligence Models
1	Scholarship funded by the Company Green Waves S.r.l.	Study of innovative solutions for transport networks and antennas for 5G and 6G telecommunication systems
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 2072 del 04/11/2024) CUP D92J25000010006 	Development of embedded sensor nodes with on-device learning capabilities for crop and soil monitoring. Integration of Edge-to-Cloud processing architecture encompassing sensors in the field and remote sensing for optimized irrigation management
1	Scholarship funded by EMILIA ROMAGNA REGION (PR.FSE + 2021/2027 – DGR n. 344 del 10/03/2025) CUP D92J25000110002 	Application of Machine Learning techniques for the optimization of chemical reactions for synthesis of molecules with high pharmaceutical interest

POSITION RESERVED	
Reserved for <b>EMPLOYEES of Company “Casappa S.p.A.”</b> (with salary maintenance)	<b>1</b>
Reserved for <b>EMPLOYEES of Company “Kosme S.r.l.”</b> (with salary maintenance)	<b>1</b>

ADMISSION PROCEDURES
<b>Assessment of QUALIFICATIONS:</b> up to 70 points (a minimum score of 40 points shall be required to be admitted to the Oral Exam) <b>ORAL EXAM:</b> up to 50 points <b>Minimum score for ELIGIBILITY:</b> 70/120

ORAL EXAM PROGRAM
<b>THE ORAL EXAM TAKES IN THE PRESENCE</b> and with the possibility of carrying out the interview <b>REMOTELY</b> for candidates residing abroad or temporarily abroad for study / work reasons. To this end, candidates must submit a <b>motivated REQUEST</b> as per the model attached to the competition announcement)

<b>The ORAL test involves the presentation and discussion of the research project</b> by the candidate and is aimed at verifying the candidate's aptitude for scientific research and his general preparation on topics related to the research topics of the doctoral course		
<b>Foreign Language</b> the fluency of which shall be assessed during the Oral Exam	<b>ENGLISH</b>	The evaluation of the knowledge of this language will be oral and will consist of a brief interview on a technical topic (for example a translation of a scientific text).

SCHEDULE OF THE ADMISSION EXAMS		
ASSESSMENT OF QUALIFICATIONS		It is the candidate's responsibility to verify the outcome of the evaluation of qualifications, which can be consulted in their reserved area by connecting to the page <a href="http://unipr.esse3.cineca.it/Home.do">http://unipr.esse3.cineca.it/Home.do</a> in the days preceding the date of the Oral Exam
ORAL EXAM	DATE	3 <sup>th</sup> September 2025 (with possible extension in the following days)
	TIME	02:00 pm (Italian Time)
	PLACE	Department of Engineering and Architecture SCIENTIFIC ENGINEERING HEADQUARTERS Parco Area delle Scienze, 181/A – Campus Universitario 43124 PARMA - ITALY
FURTHER INFORMATION		<b>The choice of the Research Topic to be expressed in Annex A is not binding on the assignment of the research project, and it is intended to assess candidates skills during the admission exam.</b> <u>The PhD research topic will be assigned by the Academic Board.</u>
		<b>For foreign candidates all documents written in a language other than Italian will have to be translated into English, otherwise they will not be evaluated</b>
THE INTERVIEW MAY BE HELD ALSO IN ENGLISH		For foreign candidates, the admission examinations may be held in English at the candidate's choice.

LIST OF QUALIFICATIONS TO BE SUBMITTED AND THEIR ASSESSMENT	
MANDATORY DOCUMENTS TO BE ATTACHED TO THE ON-LINE APPLICATION	
ANNEX A	(art. 3.2 of the Competition notice)
Identification Document	Scanned Copy of a valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae et studiorum	No specific CV format is required (see art. 3.2 of the Competition notice)
Abstract of degree thesis	<b>Abstract of the second cycle master's degree thesis.</b> Undergraduate applicants must submit the draft of the thesis approved by their supervisor (abstract/draft of the thesis: 10.000 characters including spaces)
Academic Qualifications	<b>Certificates and academic transcript of records for both Bachelor' and Master' degrees</b> containing the following details for each degree held: (art. 3.2 of the Competition notice): University that granted the degree - Type of degree (first cycle/second cycle/single cycle) Name of the degree program - Date of graduation - Final mark - List of exams and corresponding scores (academic transcript of records) - Translation into Italian or English (only for degrees issued in languages other than Italian or English).

Research Project	Max 10.000 characters, written in English, it will have to focus on an original research topic and structured as follows: introduction of the problem in the scientific context, significance of the problem, expected results, argumentation. <u>It does not represent a constraint with respect to the following choice of the doctoral thesis</u> , that shall be defined together with the supervisor and approved by the Academic Board. However, this project must be prepared after having contacted and consulted one of the research groups related to the PhD course in Information Technologies (information on the research groups and their contacts can be found at <a href="https://dia.unipr.it/en/node/3080">https://dia.unipr.it/en/node/3080</a> ).  <b>Failure to submit the project will result in exclusion from procedure for admission to the course.</b>	
LIST OF EVALUABLE QUALIFICATIONS (only qualifications attested by a document drawn up in Italian or in English)		
Curriculum Vitae et studiorum	Evaluation of the marks of the exams and of the master's degree mark (if available). The candidate is required to provide the average of the marks of all the exams of the master's degree, in addition to the details of the same It will also be evaluated the congruence of the degree obtained with the PhD themes.	Up to 25 points
Graduation thesis	It will be evaluated the congruence of the Master’s Degree thesis with the doctoral program research topics	Up to 5 points
Research Project	Points relating to the research project shall be allocated on the basis of the following criteria: <ul style="list-style-type: none"><li>○ Scientific value and originality of the proposal: max 10 points</li><li>○ description and structure of the proposal: max 10 points</li><li>○ proposal feasibility: max 10 points</li></ul>	Up to 30 points
Scientific Publications	Articles on national and international journals, papers presented at conferences or symposia, book chapters etc. Evaluation of the editorial position of the publication and its impact on the scientific community on the basis of the available indicators. It will be evaluated only publications from the past five years.	Up to 5 points
Reference Letters	Maximum 1 letter from professors or researchers belonging to the Collegio Docenti (PhD board) of the PhD in Information Technologies, after a preliminary interview with them. <b>It must be sent directly by the signer to the address e-mail: <a href="mailto:alberto.bononi@unipr.it">alberto.bononi@unipr.it</a></b> (The candidate, therefore, must not upload them through the procedure of the competition online registration).	Up to 2 points
Other experiences (training, work, research, teaching, etc.)	Duration evaluation (for scholarships and internships), score (for the GRE test), prestige (for awards)	Up to 3 points
EVALUATION ORAL EXAM		
Interview Program	Evaluation CRITERIA	POINTS
The ORAL EXAM includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD course	<ul style="list-style-type: none"><li>○ knowledge of the foreign language: max 5 points</li><li>○ research project presentation: max 25 points</li><li>○ general knowledge of issues connected to the PhD course: max 20 points</li></ul>	Up to 50 points