

Rector Decree no. 2079

## THE RECTOR

CONSIDERING the current Statute of the University of Bari Aldo Moro;  
 CONSIDERING the Law no. 210 of 3 July 1998, in particular Article 4;  
 CONSIDERING the Legislative Decree no. 198 of 11 April 2006 "Code of equal opportunities between men and women";  
 CONSIDERING the Law no. 240 of 30 December 2010, as amended;  
 CONSIDERING the Gender Equality Plan (GEP) 2022-2024 of the University of Bari "Aldo Moro" adopted with D.R. no. 4781 of 23/12/2021;  
 CONSIDERING the 2021 Gender Report of the University of Bari "Aldo Moro" adopted with D.R. no. 4782 of 23/12/2021;  
 CONSIDERING the Ministerial Decree no. 226 of 14.12.2021 Rules on accreditation of doctoral venues and programmes and criteria for the institution of doctoral programmes by accredited bodies";  
 CONSIDERING the Ethical Code of this University;  
 CONSIDERING the Regulations of the University of Bari on the subject of PhDs, issued with D.R. no. 1867 of 17.05.2022;  
 CONSIDERING the Didactic Regulations of the University of Bari Aldo Moro;  
 CONSIDERING the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (General Regulation on Data Protection);  
 CONSIDERED the need to comply with the cross-cutting principles set out in the PNRR, such as, among other things, the principle of contribution to the climate and digital objective (so-called tagging), the principle of gender equality and the obligation to protect and empower young people;  
 CONSIDERING Ministerial Decree no. 247 of 23 February 2022 with which, starting from 1 July, the annual amount of the scholarship for attendance at PhD courses is set at € 16,243.00;  
 CONSIDERING Ministerial Decree no. 301 of 22.03.2022 with which the Ministry approved the Guidelines for the accreditation of PhD Courses;  
 CONSIDERING Directorial Decree 1409 of 14.09.2022 establishing the PRIN 2022 PNRR (Research Projects of Relevant National Interest) programme intended for the financing of public research projects, in order to promote the national research system, to strengthen interactions between universities and research institutions in line with the objectives outlined by the National Recovery and Resilience Plan (PNRR) and to encourage Italian participation in initiatives related to the Programme European Union Research and Innovation Framework;  
 CONSIDERING the Reporting Guidelines for the implementing entities of the PNRR interventions in Italy of which the Ministry of University and Research is the titular administration of 8 February 2024 in which art. 6.2.1.2 "*Personnel specifically recruited for the project*" PhD scholarships are expressly referred to among the eligible expenses under the PRIN 2022 PNRR projects;  
 SEEN projects funded under notice 1409 of 14 September 2022 - PRIN PNRR 2022 and referred to in the attached sheets;  
 SEEN Directorial Decree no. 1236 of 01.08.2023 "Competitive Procedure for the Development of Fundamental Research Activities, Using the Italian Science Fund 2022 – 2023 (Fis 2 Call)";  
 CONSIDERING that the project "FEMALE – Macrosector SH – Social Sciences and Humanities - "Starting Grant" financing scheme, Project Code FIS-2023-02153- CUP B53C24009690001- PI Dr. Lavinia Cerioni, was funded within the scope of the above-

- mentioned Decree;
- SEEN the Call for the financing of PhD scholarships in the field of cybersecurity – XLI PhD cycle issued by the National Cybersecurity Agency with D.D.G. n. 53402 of 02.24.2025;
- SEEN the letters of intent and agreements of the private bodies/companies for the activation and financing or co-financing of doctoral research grants for the XLI cycle;
- CONSIDERING the resolutions adopted by the Academic Senate and the Board of Directors respectively at the meetings of 13.05.2025, of 27.05.2025/3.06.2025 and 14.05.2025, and 29.05.2025/4.06.2025;
- CONSIDERING the agreements signed with external bodies for the activation and operation of PhD courses of National Interest and Industrial Doctoral courses pursuant to articles 10 and 11 of Ministerial Decree no. 226/21;
- CONSIDERING the agreements signed with external bodies for the activation and operation of PhD courses in an associated form pursuant to Article 3 paragraph 2 of Ministerial Decree no. 226/21;
- CONSIDERING the accreditation proposals of this University transmitted to the MUR through the CINECA platform;
- RESERVED the provisions of the Ministry of University and Research, with the approval of ANVUR, regarding the application for accreditation for the establishment and/or activation of the Doctoral Courses of the XLI cycle for which the University of Bari Aldo Moro is the administrative seat;
- ASCERTAINED the availability of financial resources;
- ALLOWING FOR any amendments and/or additions to this announcement that will be published exclusively on <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/> and on the website of each PhD course, the link to which can be found on the individual sheets

## TITLE I

### CALLS FOR ADMITTANCE TO PHD PROGRAMMES

#### Art.1 – ESTABLISHMENT AND ANNOUNCEMENT OF SELECTIONS

The XLI cycle of the PhD programme is established at the University of Bari Aldo Moro for the academic year 2025/2026 and the relevant selections for admission to the following three-year doctoral programmes are announced:

1. Biodiversity, Agriculture and Environment
2. Biosciences & Biotechnologies
3. Digital Innovation and E-Health
4. Rights and Protections in Globalized Markets
5. Mediterranean rights, economies and cultures
6. Rights, Institutions and Guarantees
7. Earth Processes and Management of Resources and Risks for a Resilient Society and Territory  
(*Doctorate of National Interest*)
8. Economics and Finance of Public Administrations
9. Economics and Management
10. Physics
11. Gender Studies (*Doctorate of National Interest*)
12. Sustainable Land Management
13. Computer Science and Mathematics
14. Leadership, Empowerment, and Digital Innovation in Education and Learning (Lediel)
15. Humanities, Languages and Arts
16. Metabolism, Aging And Social Medicine - Metabolismo, Invecchiamento E Medicina Sociale

17. Applied Neuroscience
18. Archaeological, Historical, Architectural Mediterranean Landscape Heritage: Integrated Systems of Knowledge, Planning, Preservation and Promotion
19. Historical and Philosophical Heritage for sustainable innovation
20. Animal Health and Zoonosis
21. Public Health, Clinical Medicine and Oncology
22. Chemical and Molecular Sciences
23. Veterinary Internal Medicine, Surgery and Obstetric Clinical Sciences
24. Pharmaceutical Sciences
25. Soil and Food Sciences
26. Human Relations' Sciences
27. Political and Social Sciences for Security and Development - SPSSS
28. Sustainable Technologies for the Industrial Development of Medicinal and Diagnostics – TeSSMeD
29. Organs and tissues Transplantation and Cellular Therapies

Pursuant to Ministerial Decree 226/2021, the doctoral courses listed above will be activated after verification of the possession or maintenance of the accreditation requirements by the Ministry of University and Research. Therefore, the assignment of places put out for competition as well as the awarding of scholarships are subject to the confirmation of accreditation by ANVUR and are subject to ministerial approval.

For each PhD course, the attached forms from 1 to 29, which are an integral part of this call, indicate:

- the Administrative Headquarters Department
- the number of places with and without scholarship that will be assigned according to the order of the specific rankings of the Course, taking into account any breakdown by curriculum;
- the number of potential apprenticeship contracts;
- the number of places reserved for candidates with a qualification obtained abroad;
- the number of places reserved for candidates with degrees from foreign universities;
- the number of places reserved for employees of affiliated companies and institutions (only in the case of an industrial doctorate);
- curricula, if any;
- the procedures for carrying out the admission tests, the diary and the location of the tests, as well as any additional admission requirements.

The number of places and scholarships referred to in the annexes could be increased as a result of funding from public and/or private bodies.

All positions with scholarships provided by external funders and Departments and higher education apprenticeships will be activated if the relevant agreement is successful. The individual agreements regulate the organization of the Course, the specific management of financial resources and the resources made available by the affiliated universities for each Course, the relationships and commitments of the Parties and of the PhD student, who will be required to fulfill them.

PhD students whose position is funded under specific international cooperation and/or mobility programmes may be admitted as supernumerary, even after the tests have been held. Admission is in any case subject to the assessment of the candidate's suitability by the Doctoral Board, which will establish evaluation methods and criteria.

**This announcement has the value of notification to all intents and purposes, therefore candidates are required to comply with the indications specified in the form relating to the doctorate attached to this decree for the completion of the tests.**

**The absence of the candidate from the test(s), whatever the cause, will therefore be considered as a withdrawal from the competition.**

Any changes, updates or additions to the content of the announcement will be announced, exclusively, with the publication on the website: <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/> and on the website of each PhD course, the link to which can be found on the individual sheets.

## Art. 2 – ADMISSION REQUIREMENTS

Those who have obtained one of the following qualifications may apply to participate in the competition for admission to PhD programmes, without limitations of age and citizenship, without prejudice to the age not exceeding 29 years for those who apply for positions with an apprenticeship contract:

- Bachelor's degree (old system) or master's degree or second-level academic qualification issued by the institutions belonging to the AFAM (Higher Artistic and Musical Education) sector
- Equivalent academic qualification obtained from foreign universities.

### A) Admission to the selection process for candidates with an academic qualification obtained abroad:

Those who have a qualification obtained at a foreign university and which has not already been declared equivalent to the Italian degree, must apply for its equivalence only for the purpose of admission to the doctorate to which they intend to compete.

In this case, the application form must be accompanied by the following documentation, in order to allow the evaluation of the qualification held:

- self-certification pursuant to D.P.R. 445/2000 and subsequent amendments of the academic qualification obtained with the list of exams taken, the relative evaluation and the legal duration of the course, if Italian and EU citizens;
- certificate attesting to the academic qualification obtained with an indication of the exams taken, the relative grades and the legal duration of the course together with the translation into Italian and/or English if non-EU citizens. The translation must be signed under one's own responsibility in order to allow the recognition of the qualification.

The suitability of the qualification obtained abroad will be assessed by the Examining Committee for admission to the doctorate in compliance with the regulations in force in Italy and in the country where the degree was obtained and with international treaties and agreements on the recognition of qualifications for the continuation of studies.

The Commission will proceed to evaluate the suitability of the foreign qualification on the basis of the documentation attached to the application for admission to the competition and may therefore exclude the candidate even if the documentation presented does not provide sufficient elements for the evaluation. In case of admission to the Ph.D., candidates must submit, within 60 days from the date of enrolment, the following documentation:

- curricular qualifications translated into Italian and legalized by the competent Italian diplomatic or consular representations abroad (Master's Degree or Master's Degree certificate in original or certified copy of the original);
- certificate of the exams (Transcripts) taken during the second cycle course in original or certified copy of the original;
- "declaration of value on site" of the qualification obtained abroad issued by the competent diplomatic or consular representations abroad; **alternatively, the Certificate of Comparability of the foreign university qualification issued by the ENIC-NARIC centre in Italy (CIMEA) may be submitted, which contains all the information necessary for the evaluation of the qualification.**

**In order to enter Italy, citizens of non-EU countries residing abroad must register on the University portal and apply for an entry visa (postgraduate visa type D) at the Italian Embassy or Consulate competent for the territory.**

The Administration reserves the right to request the "declaration of value on site" also to those who have obtained the qualification in a country of the European Union in the event that there are doubts about the validity of the same.

### B) Admission to the selection for candidates who have not yet obtained the qualification



Those who obtain the qualification suitable for access to the PhD may also apply to participate in the selection, no later than **30 September 2025**, under penalty of forfeiture of admission to the course.

These candidates will be admitted *sub condizione* and no later than **30 September 2025** they must send by certified email ([universitabari@pec.it](mailto:universitabari@pec.it)) and email to [dottorato@uniba.it](mailto:dottorato@uniba.it) the self-certification (or certification in the case of qualifications obtained abroad) dated and handwritten, accompanied by a copy of a valid photo identification document indicating:

- name of the University that awarded the degree
- Date of graduation
- type of qualification (specialized/master's degree, old system, second-level academic qualifications issued by institutions belonging to the AFAM sector)
- Final Vote

Candidates who, for any reason, do not communicate the achievement of the degree within the deadline or who send incomplete, incorrect communications, by different means or to addresses other than those indicated above, will be excluded.

### Art. 3 – APPLICATION FORM AND REGISTRATION PROCEDURE

The application to participate in the selection must be submitted exclusively using the appropriate procedure made available at: <https://pica.cineca.it/uniba/dottorati41> no later than **24 July 2025 at 12.00 noon (Italian time CET) under penalty of exclusion from the selection.**

Access to the procedure takes place on the PICA portal (Integrated Platform for University Competitions) which can be accessed after registration or with SPID credentials, as indicated in the Guidelines.

Applications received in a manner other than the one indicated will not be considered valid.

The registration fee for the competition tests is € 40.00 for candidates residing in Italy and EU countries and € 20.00 for candidates residing in non-EU countries;

The registration fee for the test is non-refundable for any reason, given its destination.

The candidate residing in Italy must pay the fee by clicking on the "Pay with Pago PA" button and choosing the following payment method:

- Credit/debit card: for payment with cards
- Current account: for direct debit from your account
- Any other payment methods and circuits that allow the fulfilment of PagoPA notices.

Candidates residing in EU and non-EU countries must pay the fee by bank transfer to a dedicated current account whose coordinates are available on the PICA platform; The reason for the transfer must include the following wording: (Name – Surname) Cost of PhD selection. A copy of the bank transfer must be uploaded to the PICA platform.

Candidates who wish to participate in more than one admission competition must submit as many applications accompanied by the required qualifications, and make as many payments as there are courses chosen.

Each candidate, in the application form, will be able to indicate a position for which to apply and present the related research project, if requested. The choice made will not be binding on the Selection Committee for the purpose of awarding the aforementioned scholarships, in accordance with the provisions of Article 7 below.

All candidates are conditionally admitted to the competition.

The procedure for filling in and submitting applications online can be carried out from any computer connected to the network.

For any technical problems please write to Support .

Candidates are invited to complete the application for participation in the competition **well in advance** of the deadline of this announcement.

It is the responsibility of the candidates to verify the correct conclusion of the procedure. Complaints will not be accepted for any malfunctions of the computer system due to overloads encountered by candidates close to the deadline.

Registration for the selection test is not the sole payment of the above-mentioned fees, even if made within the deadline of the call for applications, in the absence of the submission of the application form.

The application form must be attached, in pdf format, to the documents required by the chosen course sheet as well as:

1. Self-certification declaration relating to the qualification:

- **for graduate candidates:** self-certification declaration (art.46 T.U. – D.P.R. n. 445 of 28/12/2000) dated and handwritten, containing the type of qualification (old system, specialized/master's degree), the date of achievement, the final grade and the indication of the University that issued the degree;
- **for graduating candidates:** self-certification declaration (art.46 T.U. – D.P.R. n.445 of 28/12/2000), dated and handwritten, indicating the University at which they are enrolled, the type of degree (old system, specialized/master's degree), the name of the degree course, the list of exams taken with relative marks and the date scheduled for the graduation session. In the same self-certification, the weighted average of the marks of all the exams taken at the deadline of this announcement must be specified (the weighted average is obtained by multiplying each grade by the credits of the corresponding exam, adding the products obtained and dividing this sum by the total credits obtained through exams with grade);

2. dated and signed curriculum vitae;

3. numbered, dated and signed list of qualifications deemed useful for the purposes of the competition attached to the application;

4. numbered, dated and signed list of publications deemed useful for the purposes of the competition attached to the application;

5. qualifications that the candidate deems useful for the purposes of the competition;

6. scientific publications numbered in sequential order; publications indicated in the list but not uploaded will not be taken into consideration;

7. photocopy of a valid identity document or identification document of the candidate and residence permit (where relevant);

8. **where required, a research project, related to the restricted topic chosen by the candidate**, of a maximum of 3500 words (**unless otherwise indicated in the PhD form attached to this notice**) which must include:

- scientific assumptions and related bibliographic data;
- research purpose, methodologies and expectations;
- where necessary, experimental methodologies and data analysis.

If the candidate chooses to apply for a “restricted topic” position, the title of your research project must correspond to the title of the chosen topic, shown on the PhD form attached to this notice.

The application is to be considered for all legal purposes as a self-certification, pursuant to art. 46 and 47 of Presidential Decree 445/2000 and subsequent amendments, of the data contained therein and in the documents attached to it.

Once completed, the application must be printed, signed and re-uploaded in the procedure following the instructions described in the online procedure. The absence of a signature and/or identity document is grounds for exclusion from the selection. In the case of authentication with the use of SPID (Public Digital Identity System) credentials, it will not be necessary to sign the application.

Failure to choose a curriculum, where applicable, will result in exclusion from the competition. The submission of the application to the University takes place automatically with the final closure of the online procedure. Therefore, no delivery or shipment of paper material to the Offices must be made.

At the end, the application will be registered and the submission confirmed by email by the system.

The Administration may order, at any time, with a reasoned decision of the Rector, the exclusion from the selection procedure for failure to meet the prescribed requirements and/or for failure to choose the curriculum where provided for in the appropriate forms.

Candidates with sensory and motor disabilities recognized pursuant to Law 104/1992 and subsequent amendments, candidates with a percentage of civil disability equal to or greater than 66% pursuant to Law 68/1999 and

Candidates with specific learning disabilities (SLD) recognized pursuant to Law 170/2010 may, in relation to their status, request the necessary aids for the performance of the competition tests and/or any additional time. Interested candidates must submit to this University, by the deadline of **24 July 2025 at 12.00 noon** (Italian time CET) the completed application accompanied by appropriate medical certification issued by the competent health authorities.

The preparation of the required aids is not guaranteed if the request is received after the deadline of this announcement. It should be noted that for candidates with SLD and candidates with sensory and motor disabilities recognized pursuant to Law 104/1992, the attached certification must be issued no more than three years ago, by facilities accredited by the aforementioned NHS. In addition, upon request, they will be granted additional time as required by current legislation.

The Administration assumes no responsibility for the event of unavailability or dispersion of communications due to inaccurate indications of the address by the applicant, failure or late communication of the change of address indicated in the application, nor for any misunderstandings or in any case of third parties, fortuitous events or force majeure.

#### Art.4 – SELECTION BOARDS

The Selection Committees for admission to the Doctoral Courses will be appointed by decree of the Rector in compliance with the Regulations on the subject of PhDs of the University of Bari Aldo Moro. By way of derogation from the current University Regulations on Research Doctorates, for National Doctorates, the Selection Committees will be formed in such a way as to ensure the participation of foreign or external members of the affiliated subjects.

The composition of the individual commissions will be published, after the deadline of the call, on the website: <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/>

#### Art.5 – SELECTION PROCEDURE BASED ON QUALIFICATIONS AND EXAMS: CRITERIA FOR THE EVALUATION OF QUALIFICATIONS

With regard to competitions based on qualifications and exams, it is established that qualifications will be awarded an overall score of 20 points.

The categories of qualifications that will be evaluated, provided that they are relevant to the subjects of the relevant doctoral courses offered and for which you are applying, with the maximum score attributable to each of them are the following:

- ♦ **Graduation assessment** up to a maximum of **10 points** determined as follows:

up to 100	0 points
101/104	4 points
105/107	6 points
108/110	8 points
110 laude	10 points

For graduating students, the degree grade will be calculated on the weighted average of the marks of all the exams taken at the deadline of this call. If the candidate has more than one degree related to the

course for which he/she intends to compete, he/she must indicate the qualification to be taken into consideration for the purposes of evaluation by the Selection Committee.

- ♦ **Scientific qualifications**, relevant to the topics covered by the PhD course for which you are applying, up to a maximum of **4 points** for:
  - Scientific publications (monographs, articles in scientific journals)
  - Minor publications (proceedings of national and international conferences, specific contributions in volumes, etc.).
- ♦ **Academic and study qualifications**, related to the topics covered by the PhD course for which you are applying, up to a maximum of **4 points** for:
  - First or second level university master's degree, postgraduate specialization courses, specialization diplomas.
- ♦ Up to a maximum of **2 points** for:
  - Documented research activity at qualified Italian and foreign institutes related to the topics covered by the PhD course for which you are applying.

The evaluation of the qualifications, after identification of the criteria, will be carried out after the completion of the written test, and before the evaluation of the papers.

For procedure B referred to in Article 6 below, the evaluation of qualifications will be carried out before the evaluation of the projects.

Documents and certificates must be produced on plain paper in accordance with Article 1 of Law No. 370 of 23 August 1988; if they are written in a foreign language, they must be accompanied by a certified translation into Italian that conforms to the foreign text, drawn up by the competent diplomatic or consular representation, or by an official translator.

Reference to documents and publications already submitted to this University for any reason is not permitted. Documents, titles or publications not uploaded to the platform will not be taken into consideration.

#### ART.6 – SELECTION PROCEDURE BASED ON QUALIFICATIONS AND EXAMS: EXAMS

With regard to competitions based on qualifications and exams, the admission examination consists of carrying out a special test, aimed at ensuring an appropriate comparative evaluation and ascertaining the candidates' aptitude for scientific research.

Without prejudice to the valuation of the securities pursuant to art. 5, the assessment method, indicated in the doctoral form attached to the call for applications, is carried out, alternatively, through:

- A) written and oral tests;
- B) evaluation of the research project and oral exam;
- C) oral exam.

In the case of verification methods referred to in letter B), as well as where expressly required by the PhD course sheet (attached), **the research project must be attached to the application, under penalty of exclusion.**

The scores for the various tests are awarded as follows:

	A)	B)	C)
<b>Title Score*</b>	<b>max 20</b>	<b>max 20</b>	<b>max 20</b>
<b>Score of the written test</b>	<b>max 40</b>		
<b>Research Project Score</b>		<b>max 40</b>	



Oral exam score**	max 40	max 40	max 80
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\* Up to 10 per graduation grade

\*\* Includes the verification of the English/other language, as well as the evaluation of the research project, where provided for in the form.

The topics covered by the tests are related to the scientific-disciplinary sectors of reference of the Courses Ph.D.

In order to be admitted to the examinations, candidates must be in possession of one of the following valid identification documents: identity card, passport, driving license, boat license, firearms license, identification cards, provided that they have photographs and a stamp or other equivalent signature, issued by a State administration.

For foreign candidates, the written and oral tests may be carried out, upon prior request, in English or in one of the other foreign languages specified in the doctoral form.

In the case of a written test, only a black ink pen can be used.

The oral exam includes a verification of the knowledge of at least one foreign language indicated by the candidate, among those provided for in the form of the chosen doctoral course.

At the end of the oral examination, the Commission will also examine in depth the topics of finalized research as indicated in the relevant form, without prejudice to the provisions of Article 9 below.

#### A) Written and oral exam

Each Commission, for the evaluation of each candidate, has, in addition to the score for qualifications, **forty points for each of the two tests.**

On the day of the written test, the Commission will inform the candidates of the date and place where they will be able to view the list of those admitted to the oral test.

The Examining Committee will draw up the list of candidates admitted to take the oral test. Before taking the oral exam, candidates will be informed of the score obtained in the evaluation of their qualifications and the mark obtained in the written test.

Candidates who have passed the written test with a score of not less than 27/40 are admitted to the oral exam.

Where provided for in the individual PhD sheet, the oral exam may also consist of the discussion of a research project.

The oral exam will be considered passed only if the candidate has obtained a score of not less than 27/40.

At the end of each session dedicated to the oral examination, the Examining Committee will draw up a list of the candidates examined with an indication of the mark obtained by each candidate.

The list, signed by the President and the Secretary of the Commission, will be made public by posting on the same day on the notice board of the examination center or by publication on the doctoral website indicated in the form.

#### B) Evaluation of the research project and oral exam

Each Commission, for the evaluation of each candidate, has, in addition to the score for qualifications, forty points for the evaluation of the project and forty points for the oral examination.

The Examining Committee will draw up the list of candidates admitted to take the oral test. Before taking the oral exam, candidates will be informed of the score obtained in the evaluation of qualifications and in the evaluation of the project.

Candidates who have obtained a score of not less than 27/40 in the evaluation of the project are admitted to the oral exam.

The oral exam will be considered passed only if the candidate has obtained a score of not less than 27/40.

At the end of each session dedicated to the oral examination, the Examining Committee will draw up a

list of the candidates examined with an indication of the mark obtained by each candidate.

The list, signed by the President and the Secretary of the Commission, will be made public through the doctoral website indicated in the form.

### C) Oral exam

Each Commission, for the evaluation of each candidate, has, in addition to the score for qualifications, **eighty points for the oral examination.**

Before taking the oral exam, candidates will be informed of the score obtained in the evaluation of qualifications.

Where provided for in the individual PhD sheet, the oral exam may also consist of the discussion of a research project.

The oral exam will be considered passed only if the candidate has obtained a score of not less than 54/80.

At the end of each session dedicated to the oral examination, the Examining Committee will draw up a list of the candidates examined with an indication of the mark obtained by each candidate.

The list, signed by the President and the Secretary of the Commission, will be made public by posting on the same day on the notice board of the examination centre or by publication on the doctoral website indicated in the form.

### TELEMATICS TEST

If expressly indicated in the form, candidates may request to take the test remotely when submitting their application, justifying the request in the same application on the PICA platform,

The e-mail address indicated by the candidate will be used by the Selection Committee of the competition to invite him/her to be part of a "group" created through the MICROSOFT TEAMS platform or other telematic platform and thus allow him/her to carry out the tests in shared audio-video mode. Operational instructions will be provided to candidates in the vicinity of the test, through a public notice on the doctoral web page indicated in the form relating to the doctorate of interest to the candidate. Candidates are required to verify their admission to the test on the date established for the presentation of the results of the research project and, in the event that the test is scheduled in telematic mode, they are required to connect on the day and at the time indicated to take it in audio-video mode shared through the MICROSOFT TEAMS platform or similar, install the software of the indicated platform on their own device, and equip yourself with a webcam that allows you to identify them before the test.

### ART.7 RANKINGS FOR ADMISSION TO COURSES

Once the tests of the competition have been completed, the Commission compiles the general merit ranking on the basis of the sum of the marks obtained by each candidate in the individual tests.

At the end of the competition procedure, the Rector, having ascertained their regularity, will approve the acts of the competition and the relative merit ranking and will declare the winners of the competition.

The merit ranking will be formed according to the order of the points of the overall mark obtained by each candidate in the exams and in the evaluation of qualifications.

**Unless otherwise indicated in the forms, the places offered on specific topics will be assigned according to the order resulting from the separate merit rankings; In case of lack of suitable candidates for the specific project, the places will be assigned according to the order of the general ranking, in which the places with a free theme will also be merged.**

Candidates who have been successfully placed in the merit list **will be declared winners**, within the limits of the places available.

In the event of a tie for the assignment of places with scholarships, the evaluation of the economic condition determined pursuant to the D.P.C.M. of 9.4.2001 and the D.P.C.M. of 5.12.2013, n. 159. In this case, the candidate must declare the indicator of the economic and financial position using the valid ISEE PhD form. This declaration must be received within 20 days from the date of publication of the ranking; After the aforementioned 20 days, the candidate will be placed in the least favourable

position of the merit list. To this end, the candidate may avail himself of the right to submit the ISEE with a restricted family unit instead of the ordinary one as provided for by art. 8 paragraph 4 of Prime Ministerial Decree 159/2013.

For the assignment of places without a scholarship, the youngest candidate prevails.

For the places reserved for graduates of foreign universities, the Commission will draw up specific merit rankings, according to the overall grade reported by each candidate. In the event of a tie between two or more candidates, preference will be given to the youngest candidate.

The decrees approving the acts and the relative rankings will be made public by means of an online bulletin board and by publication on the website, at the following address: <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/>.

This publication shall be deemed to be an official notification to the successful candidates. No communications will be sent to your home.

#### Art. 8 – ADMISSION TO DOCTORAL COURSES

Candidates will be declared winners according to the order of the competition ranking up to the number of places offered for each doctoral course.

In correspondence with any renunciations by the winners of the competition, the Administration will proceed to call the suitable candidates according to the order of the ranking. Interested parties must enrol **within three working days, under penalty of forfeiture**.

In the event of a useful placement in more than one ranking, the candidate must exercise the option for only one PhD Course.

Candidates who already hold a Ph.D. degree may be admitted to a second doctorate, other than the one already attended, without a scholarship, after passing the selection tests. In the event of a tie, the candidate who competes for the first time will prevail.

Positions with scholarships and places without scholarship reserved for graduates of foreign universities, if not used, may be assigned to candidates who have been placed in the ordinary ranking.

All candidates are admitted to the course subject to verification of self-certified declarations pursuant to the D.P.R. 445/2000 e ss.mm.ii..

#### Art. 9 - HIGHER EDUCATION APPRENTICESHIP CONTRACTS

In compliance with current legislation and pursuant to Ministerial Decree 226/2021, it is possible to carry out an advanced training course in the exercise of apprenticeship for the acquisition of the title of PhD and at the same time be hired, with an apprenticeship contract, by a company.

The selected candidate, admitted to the doctorate without a scholarship, is hired by the company with an apprenticeship contract of equivalent duration to that of the training course. For the purpose of providing training activities and tutoring, the company and the University adopt appropriate forms of coordination and integration throughout the duration of the contract.

Those who meet the requirements set out in Article 2 above, who are between 18 and 29 years of age at the time of recruitment by the company and who have Italian nationality or those of other countries belonging to the European Union or nationalities of countries outside the European Union may apply to participate. with a regular residence permit in Italy. Interested candidates must declare in the application their interest in the "position with apprenticeship contract" by selecting the appropriate box on the PICA platform and will have to deepen at the end of the oral exam the topics on which the doctorate in apprenticeship will focus.

For these reserved places, admission will be carried out through the procedures provided for in the form relating to the doctoral course for which the candidate is applying, without prejudice to the evaluation of a research project discussed with the commission (referred to in art. 4) possibly integrated by a member of the company. To this end, candidates must attach to the application form a specific research project related to the topic indicated in the form relating to the PhD course for which they are applying.

The agreements stipulated between the University and the Company regulate the funding, the methods of carrying out research activities and the distribution of the commitment of the doctoral student-worker. The employee's salary is considered equivalent to a doctoral scholarship and contributes to the calculation

of the scholarships advertised.

#### Art.10 – PLACES RESERVED FOR EMPLOYEES OF AFFILIATED COMPANIES OR INSTITUTIONS

As established by art.10 of Ministerial Decree 226/2021 and in accordance with the guidelines defined at European level and with the development strategies of the national system, for industrial doctorates, a quota of the available places is reserved for employees of affiliated companies or bodies engaged in highly qualified activities, admitted to the doctorate following the passing of the relevant selection.

Interested candidates must declare in the application their interest in the "place intended for employees of affiliated institutions", by selecting the appropriate box on the PICA platform.

These positions do not provide for the assignment of scholarships.

For these reserved places, admission will be carried out through the methods set out in the form relating to the doctoral course for which one is competing, without prejudice to the evaluation of a research project discussed with the commission (referred to in art. 4) possibly integrated by a member of the company. To this end, candidates must attach to their application a specific research project pertaining to the topic indicated in the form for the doctoral course for which they are competing.

The methods of carrying out research activities at institutions or companies and the distribution of the employee's overall commitment are agreed between the parties. The parties involved and the available places are listed in the forms attached to this announcement.

#### Art. 11 - SCHOLARSHIPS

The scholarships offered in the attached forms of this announcement, as well as those in addition pursuant to Article 1, will be awarded by Rector's Decree in compliance with the merit rankings of each PhD Course, taking into account any breakdown by curriculum. The assignment of the different types of scholarships in favor of those entitled will be carried out, at the sole discretion, by the Academic Board of each Doctoral Course on the basis of the outcome of the tests and the candidate's curriculum vitae et studiorum. For the purpose of awarding scholarships funded by external companies/bodies, the Academic Board of the relevant Doctoral Course, where it deems it appropriate, may be supplemented by a contact person of the funding body, with advisory functions.

In the case of scholarships funded by a third party and/or aimed at carrying out a specific research project, it will be the responsibility of the Coordinator to inform the successful candidate who will carry out this project of the related commitments and to obtain their consent, to be transmitted to the competent Office.

The number of places and scholarships may be subject to a subsequent expansion as a result of the University's participation in competitive calls, public notices issued by public or private bodies, to be assigned to candidates in possession of the requirements of the selection notice issued by the aforementioned Institute.

The assignment of the relevant scholarships will be carried out on the basis of the rules contained in the calls themselves and, where applicable, in the regulations, after admission to funding, using, in the absence of different indications contained in the aforementioned calls, the general ranking of eligibility of the competitions for admission to the XL cycle of the PhD Courses referred to in this call.

The annual amount of the scholarship is € 16,243.00 subject to the separately managed INPS social security contribution.

The duration of the scholarship is equal to the entire duration of the course.

The scholarship will be disbursed in deferred monthly installments and for its use the limit of total gross annual personal income set at Euro 16,000.00 (Euro sixteen thousand/00).

Income from assets as well as emoluments of any other nature contribute to the determination of this income. Exceeding the income limit results in the loss of the right to the scholarship for the year in which it occurs and entails the obligation to repay any monthly payments already received.

The scholarship cannot be combined with any other scholarship or form of subsidy, except for those provided to integrate, with stays abroad, the research training activity.

The scholarship cannot be awarded in the event of suspension of more than thirty days or exclusion from the course.



The amount of the scholarship increased for any periods of stay abroad to the extent of 50%.

Those who have benefited from a scholarship for a doctoral course (even for a single year or part of it) cannot apply for it a second time.

Those who are entitled to the scholarship must submit at the time of enrolment a presumptive declaration relating to the total gross personal income and the absence of the causes of incompatibility contained in this article. Scholarship recipients will also have to provide for the establishment of an INPS contribution position, enrolling in the "Separate Management" of the Institute itself.

The provisions on tax benefits referred to in art. 4 of Law no. 476 of 13.08.1984.

In any case, the particular provisions indicated in each specific scholarship financing agreement remain unaffected.

It is understood that, if a scholarship is declared ineligible for funding following verification by the competent ministerial office, the candidate enrolled in the position corresponding to said scholarship will be declared forfeited.

#### Art. 12 – SUPERNUMERARY ADMISSION

**Any supernumerary admitted will not benefit from the scholarship.**

**They may be admitted as supernumerary, up to a maximum of 10% of the positions with scholarships, subject to a resolution taken by the Department Councils concerned regarding the guarantee of the payment, from their own funds, of 10% (or 20% in the case of Doctorates of national interest) and 50% of the amount of the scholarship for research activities in Italy and abroad and without prejudice to the maximum number of places for which it has been requested accreditation pursuant to Article 5, paragraph 2 of Ministerial Decree no. 226/21:**

- **holders of research fellowships**, where the competition for the award of the fellowship did not include the necessary requirement of a Ph.D. degree, **who were found to be eligible**, following passing the admission tests to a PhD course, provided that the doctoral course concerns the same scientific-disciplinary area as the research referred to the fellowship. Admission to the course will take place upon resolution of the Board of Professors of the PhD and the Council of the Department where the research grant takes place, which must express themselves favorably on the compatibility in carrying out the two activities. In the event that the research fellow carries out the activity at another university, the authorization of the said university is required;
- **non-EU citizens and civil servants who will be eligible**, following the passing of the admission tests. For civil servants, admission as supernumerary is also subject to the opinion expressed, pursuant to Article 8, paragraph 3 of the current University Regulations on PhDs, by the Academic Board, which may eventually request the signing of a special agreement with the public body to which they belong, without prejudice to the regulatory provisions and the sector's CCNL.

Admission to the PhD programme will also be granted to those who, although not having applied to the competition, at the official start date of the PhD have been selected within the actions of the HORIZON 2020 programme of the European Union or other international cooperation and/or mobility programmes (e.g. Erasmus Mundus) and have been awarded a scholarship or a research contract within the Scientific Disciplinary Area of interest of the Doctorate. They will have to submit a specific application for registration, which must be approved by the Academic Board. Enrolment is in any case subject to the prior approval of the Academic Board of the doctoral course, which may eventually establish further evaluation methods.

#### Art. 13 - PUBLIC EMPLOYEES

The civil servant admitted to the PhD courses is placed, upon request, compatibly with the needs of the relevant Administration, on extraordinary leave for study reasons without allowances for the duration of the course and benefits from the scholarship if the required conditions are met.

In the event of admission to PhD programmes without a scholarship, or renunciation of one, the person on leave retains the economic, social security and retirement benefits enjoyed by the public administration with which the employment relationship is established.

**If, after obtaining the PhD, the employment relationship with the public administration is**



**terminated by the employee's will in the following two years, the amounts paid pursuant to the second sentence shall be recovered.**

Public servants who have already obtained the title of Ph.D., nor public employees who have been enrolled in doctoral courses for at least one academic year, benefiting from such leave, are not entitled to extraordinary leave, with or without allowances. The period of special leave is useful for the purposes of career progression, retirement and social security benefits.

#### Art. 14 – DOCTORATE AND MEDICAL SPECIALIZATION SCHOOLS

Students enrolled in university medical specialization schools, **if they have been awarded a Ph.D.**, will be able to enrol in the Ph.D. programme in compliance with the following conditions:

- a) compatibility, also in consideration of the distance between the locations, the activities and the commitment provided by the postgraduate school and the doctoral course, certified by the council of the medical postgraduate school and the doctoral board;
- b) incompatibility between the doctoral scholarship and the emoluments, however named, received in relation to the activities of the Graduate School.

In cases of joint attendance, the request for reduction of doctoral activities is accepted by the Academic Board of the doctoral course, subject to a positive assessment of the consistency of the research activities, already carried out in the medical specialization course, with the doctoral project. In order to accept the application referred to in this paragraph, the opinion of the compatibility of the doctoral project with the teaching purposes of the school of specialization is also required, expressed by the board of the school of specialization. If the application referred to in this paragraph is accepted, the doctoral course shall in any case last not less than two years.

#### Art. 15 - ENROLMENT

The successful candidates must enrol by the dates that will be announced at the same time as the publication of the rankings.

No communication will be sent to the winners regarding the deadline for enrolment.

Failure to enrol within the deadlines established for each PhD Programme will be considered as renunciation of the place, which will be assigned to the next candidate, according to the order of the ranking.

The enrolment application and its attachments must be uploaded to the Esse3 platform during enrolment, with the documentation listed below:

1. photocopy of a valid identity document, duly signed;
2. proof of payment of the enrolment fee by civil servants admitted to the doctoral course, who are not beneficiaries of a scholarship;
3. receipt of payment of the Regional Tax for the right to university study to be made by following the instructions on the ADISU website at the link: <https://w3.adisupuglia.it/pagamenti-pa/>;
4. photocopy of the tax code;
5. a passport-sized photo duly signed on the reverse;
6. payment of stamp duty of Euro 16.00 through PagoPA on the Esse3 platform;
7. residence permit (for non-EU citizens where already in possession).

In addition, in case of admission to the doctorate, candidates in possession of an academic qualification obtained abroad must also submit, within 60 days from the date of enrolment, the following documentation:

- curricular qualifications translated into Italian and legalized by the competent Italian diplomatic or consular representations abroad (Master's Degree or Master's Degree certificate in original or certified copy of the original);
- Certificate of the exams (Transcripts) taken during the second cycle course in original or certified copy of the original;
- "declaration of value on site" of the qualification obtained abroad issued by the competent diplomatic or consular representations abroad; alternatively, the Certificate of Comparability of the foreign university qualification issued by the ENIC-NARIC centre in Italy (CIMEA) may be submitted, which contains all

the information necessary for the evaluation of the qualification.

The Administration reserves the right to request the "declaration of value on site" also to those who have obtained the qualification in a country of the European Union in the event that there are doubts about the validity of the same.

Foreign citizens not residing in Italy must submit the following certificates within 60 days from the date of enrolment:

- a) Birth certificate
- b) Certificate of citizenship
- c) certificate of enjoyment of civil and political rights in the country of origin or origin;
- d) certificate equivalent to the general criminal record certificate issued by the competent authority of the State of which the foreign candidate is a national.

In order to enter Italy, citizens of non-EU countries residing abroad must register on the University portal and apply for an entry visa (postgraduate visa type D) at the Italian Embassy or Consulate competent for the territory.

In addition, non-EU citizens must present a valid residence permit or a copy of the application to the competent authorities and an Italian tax code.

The certificates issued by the competent authorities of the State to which the foreigner is a citizen must comply with the provisions in force in the State itself and the signatures on them must be legalized by the competent Italian consular authorities. Those written in a foreign language must be accompanied by a certified translation into Italian that conforms to the foreign text, drawn up by the competent diplomatic and consular representation or by an official translator.

The forms relating to the aforementioned obligations will also be available on the website at the following address: <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/>

#### Art.15 – FEES AND CONTRIBUTIONS

The annual fee for access to and attendance at PhD courses, payable **only by public employees** who do not benefit from a scholarship, amounts to € 940.00 divided as follows:

1st installment, of €388.50, to be paid at the time of registration using PAGOPA together with the Regional Tax;

2nd installment, of €559.50, due by PhD students with an *ISEE Dottorato di ricerca indicator* greater than €14,518.38, must be paid by July 31 of each year of the course using PAGOPA.

PhD students who do not benefit from a scholarship (winners who renounce the scholarship or are eligible and admitted in excess) who are employees of the University of Bari Aldo Moro will receive a 75% reduction in the annual contribution. The contribution will be paid upon registration/registration for subsequent years.

PhD students who have won places with a scholarship and places without a scholarship are exempt from paying the contribution.

Doctoral students who are beneficiaries of ADISU scholarships and any honor loans, eligible students, who are not beneficiaries due to lack of resources, are exempt from paying the contribution.

Doctoral students with a disability with a recognized disability equal to or greater than 66%, even if they already have an academic qualification, are totally exempt from fees and contributions.

All students enrolled in PhD programmes are required to pay the regional tax for the right to university education, except for doctoral students with disabilities with a recognised disability equal to or greater than 66%.

All PhD students are required to pay the Regional Tax, determined according to the income of their family unit (ISEE Form), the amount that will be indicated at the time of enrollment.

Students who do not submit the ISEE are placed in the maximum range of the regional tax. The amount of the ADISU regional tax must be made by following the instructions on the ADISU website at the link: <https://w3.adisupuglia.it/pagamenti-pa/>.

PhD students already in possession of another Ph.D. degree are required to pay the maximum amount of the contribution.

Doctoral students who do not renew their enrolment in the years following the first will be excluded from the PhD programme. In any case, the amount of € 67.60 is due for the diploma cost, in addition to the stamp duty in force from time to time.

Late payments will be charged a penalty of € 20.00 for payments made within 30 days of the deadline, € 40.00 for those made within 60 days, € 80.00 for those made after 60 days of the deadline.

## TITLE II

### COMPETITIONS FOR POSITIONS RESERVED FOR GRADUATES IN FOREIGN UNIVERSITIES

#### Art. 17 – PROVISIONS FOR PLACES RESERVED FOR GRADUATES OF FOREIGN UNIVERSITIES

The provisions of this Title govern the procedures for participation in competitions reserved for graduates of foreign universities, where provided for in the individual doctoral forms attached (from 1 to 29).

Candidates who have graduated from foreign universities and hold a qualification equivalent to the Italian degree referred to in Article 2 may apply to participate in the reserved selection.

Those who are in possession of a qualification obtained at a foreign university and which has not already been declared equivalent to the Italian degree, must apply for its equivalence only for the purpose of admission to the doctorate to which they intend to compete as regulated in article 2 of this call.

Applications for admission must be completed online using the appropriate procedure available at: <https://pica.cineca.it/uniba/dottorati41>

Applicants must indicate in their application:

- surname and first name, date and place of birth, citizenship, tax code, if any, residence and address elected for the purposes of the competition, postal code, e-mail address and telephone number;
- the exact name of the Ph.D. course in which they intend to compete.

#### Art. 18 - SUBMISSION OF APPLICATIONS AND SELECTION PROCEDURES

The application for participation in the selection must be submitted exclusively using the appropriate procedure made available at: <https://pica.cineca.it/uniba/dottorati41> no later than **24 July 2025 at 12.00 noon (CET Italian time)** under penalty of exclusion from the selection.

Access to the procedure takes place on the PICA portal (Integrated Platform for University Competitions) which can be accessed after registration or with SPID credentials, as indicated in the Guidelines.

Applications received in a manner other than the one indicated will not be considered valid.

The application for participation in the competition must refer exclusively to the PhD Course for which you intend to participate. In the event that you intend to participate in more than one Course, you must submit as many applications.

The application is to be considered for all legal purposes as a self-certification, pursuant to art. 46 and 47 of Presidential Decree 445/2000 and subsequent amendments, of the data contained therein and in the documents attached to it.

The University Administration assumes no responsibility for the loss of communications, due to inaccurate indications of residence and address by the candidate or failure or late communication of the change of the same, nor for any misunderstandings not attributable to the fault of the Administration itself. The following documents must be attached to the application form:

- ♦ certificate attesting to the foreign qualification with an indication of the exams taken and the relative grades together with the translation into Italian. The translation must be signed under one's own responsibility in order to allow the recognition of the qualification;
- ♦ curriculum vitae including academic qualifications and study of scientific activity and professional

experience, written in Italian or in English or in French, indicating the academic qualifications obtained. In particular, the candidate will indicate: any scholarships awarded by Italian, foreign or international institutions, specifying the start, end and duration dates; certificates of participation in post-graduate and master's courses, specifying the date of achievement, duration and the provider of the training; any awards and other scientific/academic qualifications deemed useful for the selection;

- ◆ scientific publications;
- ◆ a summary of the degree thesis in English or French, with a minimum length of 3 and a maximum of 6 pages organized as follows: topic of the thesis, research methodology, results obtained;
- ◆ Statement of Research Interest;
- ◆ at least two letters of reference, from specialists in the field or professors from institutions where the candidate has been trained or has worked or with which he/she has collaborated;
- ◆ research project where provided for in the form relating to the PhD course for which the candidate is applying;
- ◆ photocopy of a valid identity document, duly signed;

The conformity of the qualifications to the original will be declared by the candidate by means of self-certification or declaration in lieu of an affidavit provided for by art. 19, 46 and 47 of D.P.R. 445/2000. Once completed, the application must be printed, signed and reloaded in the procedure following the instructions described in the online procedure. The absence of a signature and/or identity document is grounds for exclusion from the selection.

In the case of authentication with the use of SPID (Public Digital Identity System) credentials, it will not be necessary to sign the application.

Failure to choose a curriculum, where applicable, will result in exclusion from the competition. The submission of the application to the University takes place automatically with the final closure of the online procedure. Therefore, no delivery or shipment of paper material to the Offices must be made. At the end, the application will be registered and the submission confirmed by email by the system.

The Selection Committees will be appointed by Rector's Decree as provided for in art. 4 of this call.

The Commission has a total of 100 points available for the evaluation of candidates, which will be done only for qualifications (procedure 1), for qualifications and oral examination (procedure 2), according to the indications contained in the individual doctoral sheets attached. Candidates who have obtained a score lower than 60/100 will not be considered eligible.

The categories of qualifications that will be evaluated, provided that they are related to the subjects of the relevant doctoral courses put up for competition, and the maximum score attributable to each of them are described below:

#### **A) Selection procedure for qualifications only (procedure 1)**

Unless otherwise indicated in the form for each doctoral programme, the Selection Board has 100 points for the evaluation of the qualifications presented by the candidates, divided as follows:

- ◆ for curriculum vitae and studiorum (including academic and study qualifications as well as scientific activity and professional experience) up to a maximum of 60 points;
- ◆ for scientific qualifications, related to the topics covered by the PhD course for which the competition is held, up to a maximum of 20 points:
  - scientific publications (monographs, articles in scientific journals)
  - minor publications (proceedings of national and international conferences, specific contributions in volumes, etc.);
- ◆ for professional expertise and reference letters, illustrating the candidate's skills, competencies and aptitudes, written in English, up to a maximum of 20 points.

#### **B) Selection procedure based on qualifications and oral examination (procedure 2)**

For the evaluation of the qualifications presented by the candidates, the Selection Board has, unless otherwise indicated in the form relating to each doctoral course, 60 points, distributed as indicated:

- ◆ for curriculum vitae and studiorum (including academic and study qualifications as well as scientific



- activity and professional experience), up to a maximum of 30 points;
- ♦ for scientific qualifications, related to the topics covered by the PhD course for which the competition is being held, up to a maximum of 15 points:
  - scientific publications (monographs, articles in scientific journals)
  - minor publications (proceedings of national and international conferences, specific contributions in volumes, etc.);
- ♦ for professional expertise and letters of reference, illustrating the candidate's skills, competencies and aptitudes, written in English, up to a maximum of 15 points.

In the event that the PhD form requires the research project, the positive evaluation of which together with the other qualifications is a condition for admission to the oral examination, it is awarded up to a maximum of 20 points. In this case, the scores assigned to the other titles will be reduced, assigning 20 points for resumes, 10 points for publications and 10 points for letters of reference.

The oral exam, up to a maximum of 40 points, is aimed at ascertaining the knowledge of the foreign language and the aptitude of the candidates for scientific research, also through discussion of the research project presented by the candidate, for those doctoral courses for which it is provided for in the relevant sheet referred to in Article 1.

The oral exam will be considered passed only if the candidate has obtained a score of not less than 27/40.

Only and exclusively if provided for in the form relating to the chosen PhD Course, candidates residing abroad can take the oral exam remotely, using the MICROSOFT TEAMS platform or other online platform. In this case, interested parties must make a specific request and provide their contact in the application for admission to the selection and guarantee the use of a webcam to allow their identification to the Selection Board. The candidate must be available at the personal address, previously communicated, on the day of the oral examination, according to the calendar published on the website indicated in the form. The Commission has the right to agree with the candidate on a precise time for the start of the interview.

For the purposes of identification and, under penalty of exclusion from the selection procedure, each candidate is required, before the interview begins, to identify himself, by showing the same identity document already sent, in copy, as an attachment to the application.

Failure to provide the personal address, failure to connect, unavailability of the candidate on the day or time established or failure to show a valid identification document pursuant to the previous paragraph are grounds for exclusion from the selection procedure.

The University of Bari declines any responsibility for the eventuality that technical reasons prevent the regular conduct of the oral exam.

The provisions of Article 6 of this announcement shall apply as far as they are compatible.

In the event of a tie between two or more candidates, preference will be given to the youngest candidate.

For places reserved for graduates from foreign universities, the Commission will draw up a specific merit list. The merit ranking will be formed according to the order of the points of the overall mark reported by each candidate.

Candidates who have been successfully placed in the merit list will be declared winners, within the limits of the places available.

At the end of the selection procedure, the Rector will approve the acts of the competition and the relative merit ranking.

All candidates are conditionally admitted to the competition.

The decrees approving the acts and the relative rankings will be made public by means of an online bulletin board and by publication on the website, at the following address: <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/>. This publication shall be deemed to be an official notification to the successful candidates. No communications will be sent to your home.

In case of withdrawal by one of the winners, the next candidate will be summoned on the basis of the merit ranking.



Successful candidates must enrol by the dates that will be announced at the same time as the publication of the rankings.

Failure to enrol within the established deadline will be considered as renunciation of the place that will be assigned to the next candidate, according to the order of the ranking.

The enrolment application and its attachments, referred to in Article 14, must be uploaded to the Esse3 platform during enrolment.

The forms relating to the aforementioned obligations will also be available on the website at the following address: <https://www.uniba.it/it/dottorati/dottorati/41-ciclo/bando/>

### TITLE III

#### FINAL PROVISIONS

##### Art. 20 - TRANSLATION AND LEGALIZATION OF DOCUMENTS

Deeds and documents drawn up in a foreign language must be translated and legalized by the competent authorities. Italian diplomatic or consular representations to the foreign State and must comply with the provisions in force in the State itself.

##### Art. 21 – INSURANCE COVERAGE

The University guarantees the insurance coverage of doctoral students for civil liability and accidents for the entire duration of the course for the activities that refer to the doctoral course, providing for the stipulation of the relevant policy.

##### Art. 22 – RIGHTS AND OBLIGATIONS OF DOCTORAL STUDENTS

Without prejudice to the rights and obligations provided for by the current University Regulations on PhDs, students are required to attend courses and to continuously carry out study and research activities within the structures intended for this purpose according to the procedures that will be established by the Academic Board of the doctoral course, with an exclusive and full-time commitment of 1500 hours per year.

This commitment is ascertained by the compilation of an activity register.

The Academic Board, at the motivated request of the PhD student, may authorize the performance of paid activities, verifying their compatibility with the profitable performance of the training activities (teaching and research) related to the course. In particular, it is understood that for doctoral students with scholarships, paid activities must be limited to those consistent with the doctoral student's educational path; For doctoral students without a scholarship, the possible incompatibility deriving from the work activity must in any case be concretely assessed, without this leading to conduct detrimental to rights protected at the constitutional level, such as the right to study for the capable and deserving even if they lack means.

Doctoral students, as an integral part of the training project, can carry out, subject to the authorization of the Academic Board and the opinion of the competent teaching structures, without this entailing any increase in the scholarship, tutoring activities for students of bachelor's and master's degree courses as well as, in any case within the maximum limit provided for by the regulations, supplementary teaching activities. PhD students in the medical area can participate in clinical-assistance activities, without prejudice to the provisions of art. 4, paragraph 1 of the current Regulations on PhDs. After the third year of the doctorate, the limit is abolished.

The interventions provided for by Legislative Decree no. 68 of 29 March 2012 are extended to doctoral students, in the manner regulated therein.

In addition, where compatible, Ministerial Decree no. 930/22 "Provisions to allow simultaneous enrolment in two university courses" applies to doctoral students.

The provisions for the protection of maternity referred to in the decree of the Minister of Labour and Social Security of 12 July 2007, published in the Official Gazette no. 247 of 23 October 2007, apply to doctoral students. The University regulations ensure that doctoral students are represented on the Doctoral

Board for the treatment of teaching and organizational problems.

Attendance of the doctoral course may be suspended, subject to deliberation by the Academic Board, up to a maximum of one year, maintaining the rights to any scholarship in use, unless the relative disbursement is interrupted, with subsequent recovery upon resumption of attendance, in cases of maternity, military service or civil service, serious and documented illness.

The enjoyment of the scholarship for attendance at the doctorate is compatible with other incomes, even those received continuously in the calendar year in which the scholarship is received, as long as they do not exceed the maximum limit established by the regulations in force. If the income limit is exceeded, the scholarship is deemed to be revoked for the entire year. The interested party is required to declare annually the income received and to report any exceeding of the prescribed limit.

By the date established by the Academic Board (CdD), for the purposes of the annual tests, the doctoral student is required to submit to the Board a written report regarding the research activity carried out and the results achieved, as well as the certificates of any participation in seminars and congresses and other scientific initiatives, together with the publications produced. A positive evaluation by the Academic Board entails the transfer to the next year of the course, i.e. admission to the final exam in the case of students enrolled in the last year. The CdD may propose, with a reasoned resolution, after hearing the interested party, that a doctoral student be temporarily suspended from the course, or that he be excluded, with the consequent partial or total loss of any scholarship in use, in the event of:

- negative opinion by the Academic Board during the annual verification of the activity;
- unexcused and prolonged absences;
- conduct that is contrary to the rules of incompatibility.

#### Art. 23 – INTELLECTUAL PROPERTY AND CONFIDENTIALITY OBLIGATIONS

In cases where the doctoral student, during his/her doctoral course, has obtained research products that qualify as intellectual property rights, on which it is possible to obtain an industrial property right, such as inventions (patentable or not), know-how, utility models, ex ornamental models and designs, software, data and data collections, these will be regulated in accordance with the current legislation on the inventions of university researchers and the University regulations, without prejudice to the various agreements concluded by virtue of particular types of relationship (such as apprenticeship contracts).

The PhD student is required to sign a specific commitment of confidentiality and recognition of intellectual property rights in relation to information, data and documents of a confidential nature that may become aware of in the performance of his/her activity, including any carried out at a company or an institution/university.

In any case, the doctoral student is guaranteed the possibility of carrying out the ordinary publication activities provided for by the training course, which must take place in compliance with the confidentiality commitment undertaken with the University for the activity carried out also in a company, as well as any specific agreements concluded by virtue of particular types of relationship (such as doctorates with an apprenticeship contract).

#### Art. 24 – GRADUATION

The title of Ph.D. or Ph.D. is awarded following the positive evaluation of a research thesis that contributes to the advancement of knowledge or methodologies in the chosen field of investigation. The PhD thesis, accompanied by a summary in Italian and English, is written in Italian or English, or, with the authorization of the Academic Board, in another language.

The Selection Committees of the final examination will be formed and appointed, for each PhD Course, in accordance with the current University Regulations on PhDs.

The exam cannot be repeated.

#### Art. 25– CONTROLS

The University carries out appropriate checks on the truthfulness of the self-declarations made by the candidate. If the control ascertains the falsity of the content of the declarations, the candidate is excluded from taking the competition tests or, if already registered, because he or she is the winner of

the competition, he or she is declared forfeited, without prejudice to the criminal sanctions provided for by art. 76 of D.P.R. n. 445/2000.

#### Art. 26 - PROCESSING OF PERSONAL DATA AND RIGHT OF ACCESS

The personal data contained in the application form (and in the curriculum vitae) will be processed for the purposes of managing this procedure and in application of the current regulatory provisions on the processing of personal data. The data will be processed – by the subjects authorised to process – with manual, IT and telematic tools within the scope and for the purposes specified above, in compliance with the security measures adopted by the University and in compliance with the provisions of EU Regulation no. 2016/679 and current national legislation on the protection of natural persons with regard to the processing of personal data. The Data Controller is the University of Bari Aldo Moro, with registered office in Piazza Umberto I, n. 1, 70121 - BARI. The designated Data Protection Officer can be contacted at the following email address: [rp@uniba.it](mailto:rp@uniba.it). The full text of the policy it is

available at

<https://www.uniba.it/it/ateneo/privacy/informative/informativa-selezioni/view>.

Insolvency proceedings are public.

Candidates have the right to exercise their right of access to the documents of the competition procedure in accordance with the procedures and terms provided for by current legislation.

#### Art.27 - PERSON IN CHARGE OF THE PROCEDURE

Pursuant to Law no. 241/1990 and subsequent amendments, the person in charge of the procedure is Dr. Laura Fracassi – Head of the O.U. Accreditation, competitive procedure, agreements and course financing. Any clarifications can be requested at the following e-mail address: [finanziamenti.phd@uniba.it](mailto:finanziamenti.phd@uniba.it)

#### Art. 28 – REFERENCE STANDARDS

For anything not provided for in this announcement, please refer to the regulations currently in force on the subject and in particular to the University Regulations on the subject of PhDs published on the [www.uniba.it](http://www.uniba.it) website. Foreign students can obtain more information at “[Procedura per l'ingresso, il soggiorno, l'immatricolazione degli studenti internazionali e il relativo riconoscimento dei titoli, per i corsi della formazione superiore in Italia](#)”. Acknowledging that this announcement will be translated into English, in the event of any disputes, only the text in Italian will be authentic.

#### Art. 29 – PUBLICATION

The notice of the announcement of this competition has been forwarded to the Ministry of Justice for publication in the Official Gazette of the Italian Republic – 4th Special Series – Competitions and is published on the online register and on the Euraxess platform.

This decree will be ratified by the Governing Bodies in the first available sessions.

Bari, 24.06.2025

THE RECTOR  
Signed Prof. Stefano BRONZINI

## ANNEX 1)

### SUMMARY SHEET

#### PhD PROGRAM in BIODIVERSITY, AGRICULTURE, AND ENVIRONMENT

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	07 - Agricultural and Veterinary Sciences; 05 - Biological Sciences
SCIENTIFIC -DISCIPLINAR GROUPS	AGRI-01/A, AGRI-02/A, AGRI-02/B, AGRI-03/A, AGRI-03/B, AGRI-05/A, AGRI-05/B, AGRI-06/A, AGRI-06/B, AGRI-09/A, AGRI-09/C, BIOS-01B, BIOS-01/C, BIOS-03/A, BIOS04-A, BIOS-05/A, BIOS-14/A, CHEM-01/B, e CEAR-02/A.
COORDINATOR	CINZIA MONTEMURRO
ADMINISTRATIVE OFFICE	Department of Soil, Plant and Food Sciences
PEC	<a href="mailto:dispa@pec.uniba.it">dispa@pec.uniba.it</a>
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	YES
CURRICULA DESCRIPTION	<p>1) Genetics and Plant Biotechnology (Scientific Subject Code: AGRI/06A)</p> <p>2) Environmental Sciences (Scientific Subject Codes: BIOS-01B, BIOS-01/C, BIOS-03/A, BIOS04/A, BIOS-05/A, BIOS-14/A, CHEM-01/B, e CEAR-02/A, AGRI-06/B)</p> <p>3) Mediterranean Sustainable Agriculture (Scientific Subject Codes: AGRI-01/A, AGRI-02/A, AGRI-02/B, AGRI-03/A, AGRI-03/B, AGRI-09/A, AGRI-09/C, BIOS05/A)</p> <p>4) Crop Protection (Scientific Subject Codes: AGRI-05/A, AGRI-05/B)</p>

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	12
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	12
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	3 (2 scholarships granted by CNR ISPA and ISPS e 1 scholarship granted by ENI)
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 (CREA 2/3, 1/3 University of Bari)
POSITIONS FUNDED BY RESEARCH PROJECTS	5 (3 scholarships granted by research projects for 2/3 and for 1/3 by the University of Bari; 1 scholarship granted by research projects; 1

	scholarship granted for 2/3 by research project and for 1/3 by private company)
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	

3. **PROJECT DESCRIPTION:** (divided by type and curriculum, where applicable. If not applicable, indicate “open-topic scholarship” in the first box. The box must be repeated for each scholarship.)

#### POSITIONS WITH A SCHOLARSHIP FUNDED BY THE UNIVERSITY OF BARI

<b>Scholarship curriculum ENVIRONMENTAL SCIENCES</b>	<b>n.1</b>	Coastal ecosystems are characterized by considerable biological and conservation value. Within the European Union, coastal environments include numerous habitat types as listed in the Annex I to the 92/43/EEC Directive. At the same time, these are fragile systems subject, especially in the Mediterranean area, to numerous pressures and threats. Knowledge on the floristic-vegetational composition of these environments, as well as on the distribution and conservation status of the plant communities and habitats, is rather discontinuous and still incomplete. The project aims at classifying and describing, through phytosociological approach, some vegetation types that most characterize the coastal areas of the Puglia region. It also provides for the application of monitoring procedures that define their conservation status, also through the integration of data collected in the field with earth observation data.
<b>Planned period abroad</b>		6 months
<b>Planned period in Company/insitution ecc</b>		No

<b>Scholarship n.2 curriculum CROP PROTECTION</b>		Entomopathogenic nematodes (EPNs) are a promising alternative to pesticides for the control of agricultural pests. The present PhD project aims at exploring whether nematodes and their associated metabolites can be exploited either for interfering with Xylella fastidiosa transmission by its spittlebug vectors. Specifically, three are the main project goals: i) characterizing entomopathogenic nematodes (EPN) fauna associated with spittlebugs in Apulian agroecosystems (mainly vineyards and semi-natural habitats); ii) evaluating lethal and sub-lethal effects on insect vectors and impact on pathogen transmission caused by EPN and bioactive compounds isolated from EPN; iii) analysis of plant response to roots colonization by plant parasitic nematodes and impact on the insect vector-plant interaction and
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	pathogen transmission.
Planned period abroad	6 months
Planned period in Company/insitution ecc	No

<b>Scholarship n.3 - curriculum MEDITERRANEAN SUSTAINABLE AGRICULTURE</b>  <b>“Phenotypic characterization and analysis of genetic variability in autochthonous sheep and goat breeds/populations from Basilicata Region”</b>	<p>Over the centuries, human and natural selection have resulted in thousands of genetically diverse breeds of domestic animals adapted to a wide range of environmental conditions and human needs. Animal genetic diversity, represented by this wide range of breeds, is essential to face the new livestock challenges.</p> <p>The project aims to provide the phenotypical characterization of some sheep and goat breeds/populations reared in Basilicata region through the use of primary and secondary morphological descriptors. Furthermore, the genetic variability of the animals will be investigated giving particular attention to the genes affecting quality and production traits.</p>
Planned period abroad	6 months
Planned period in Company/insitution ecc	No

#### POSITIONS WITH A SCHOLARSHIP FUNDED BY EXTERNAL ORGANIZATIONS

<b>Scholarship n.4 curriculum CROP PROTECTION</b>  <b>“Deciphering plant resilience to invasive systemic pathogens: from microbial communities to plant immunity”.</b>  <i>Position granted by: Research actions for reducing the impact on agricultural and natural ecosystems of the harmful plant pathogen Xylella fastidiosa (REACH-XY)</i>  <i>CUP: BS3C22001S20001</i>	<p>Plant resilience involves harnessing a plant's natural defense mechanisms and beneficial interactions with its environment to resist pathogens.</p> <p>The project have 2 main objectives:</p> <ol style="list-style-type: none"> <li>1. develop genomics tools for their application in germplasm screening, genomics-assisted breeding and generating new resistant genotypes to invasive pathogen, likewise Xylella fastidiosa. To reach this ambitious objective, critical steps are the generation and analysis of massive genomic datasets, the establishment of transformation and regeneration tools from single and multiple cell explants for a successful application of DNA-free genome editing protocols.</li> <li>2. developing strategies to effectively manipulate beneficial plant-associated microbiomes is an important challenge in microbial ecology. To achieve this, the efficacy of microbiome transplantation in managing plant diseases has so far been little explored. The cultivation of synthetic (SynCom) and endophyte (EnCom) microbiomes together with their 'protective' transplant to susceptible host-pathogen combinations.</li> </ol>
Planned period abroad	6 months

Planned period in Company/insitution ecc	18 months CNR IPSP of Bari
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<b>Scholarship n.5 - curriculum MEDITERRANEAN SUSTAINABLE AGRICULTURE</b>  <b>“Recovery and valorization of innovative biomass for high-quality vegetable production in soilless cultivation systems.”</b>	<p>The aim of the project is to evaluate the recovery and the utilization of innovative biomasses in soils cultivation of vegetables, in controlled environment. The effects of adding biomasses, processed or in their natural state, to commercial growing substrates will be evaluated in order to enhance vegetable growth, resistance to biotic and abiotic stress, and nutritional quality. At the same time, the project seeks to improve the sustainability of soilless production systems.</p>
Planned period abroad	6 months
Planned period in Company/insitution ecc	18 months CNR ISPA of Bari

<b>Scholarship n.6 - curriculum ENVIRONMENTAL SCIENCES</b>  <b>“Circular Bioeconomy: Integrated production of terrestrial and marine algal biomass for the removal of pollutants and the production of raw materials and energy valorization”</b>	<p>Nature-based solutions (NBS) are sustainable and cost-effective measures to counteract the degradation processes of environmental matrices (water, soil, air). These technologies can offer multiple benefits for the restoration of ecosystem services, such as climate change mitigation, biodiversity conservation and improvement of the living conditions of local communities. Among the environmental recovery technologies based on NBS, with reference to soil, the plant-assisted bioremediation (PABR) strategy promotes the removal or degradation of contaminants through biological, chemical and physical processes carried out synergistically by plants and microorganisms in the rhizosphere; with reference to contaminated marine waters, algae culture represents an effective technological strategy to promote bioremediation of organic and inorganic pollutants. NBS are economic and circular methods as they allow the reuse of the biomass produced through upcycling approaches and produce products of high economic interest, biofuels, biohydrogen, biochemicals, syngas, etc.</p> <p>This research is aimed at developing innovative protocols of phyto-assisted bioremediation techniques and/or algae culture for the bioremediation of degraded environmental matrices and at the same time aims to develop innovative protocols to energetically valorize the biomass produced. To this end, plant/algal species will be tested on degraded environmental matrices of the Environmental Crisis Area and/or the Mar Piccolo of Taranto and analyzed through a multidisciplinary approach based on the joint use of different investigative techniques (chemical, microbiological, molecular, spectroscopic, etc.).</p>
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Planned period abroad	6 months
Planned period in Company/insitution ecc	18 months CNR ITC of Bari

## POSITIONS WITH A SCHOLARSHIP CO-FUNDED BY EXTERNAL ORGANIZATIONS

<p>Scholarship n.7 - curriculum</p> <p><b>GENETICS AND PLANT BIOTECHNOLOGY</b></p> <p><b>“Integrated analysis of host-pathogen interaction (olive tree—<i>Xylella fastidiosa</i>): toward understanding mechanisms of resistance and virulence”</b></p> <p><i>Position granted for 2 years by the project: “Nuove prospettive di sviluppo per l'Olivicoltura italiana attraverso la valorizzazione della biodiversità e la selezione di materiale GENetico d'olivo tollerante/resistente a Xylella fastidiosa e azioni mirate a prevenire il possibile impatto sulla Vlticoltura Novixgen – CUP: C83C2200128000c</i></p>	<p>The olive tree is a species characterized by phenotypic plasticity and broad genetic variability, which have allowed it to survive in diverse and complex agro-ecological conditions. The common olive (<i>Olea europaea</i>), subsp. <i>europaea</i>, includes two botanical varieties: the cultivated olive (var. <i>europaea</i>) and the wild olive or oleaster (var. <i>sylvestris</i>). Although more than 2,600 varieties have been described to date, this figure is not considered exhaustive, and Italy, with its approximately 730 unique varieties, is the country richest in olive diversity. <i>Xylella fastidiosa</i> subsp. <i>pauca</i> was identified in 2013 in Puglia, near Gallipoli, and from there it spread very rapidly, covering the entire olive-growing area of the provinces of Lecce and Brindisi, and partially also the provinces of Taranto and Bari. Subsequently, its presence was also detected in France, Spain, and Germany, although rapid detection monitoring is underway to prevent further spread of the bacterium. In olive trees, the bacterium causes a symptomatic manifestation called "rapid desiccation," characterized by the withering of more or less extensive portions of the canopy, often leading to the death of the host plant. <i>X. fastidiosa</i> is a quarantine pathogen listed in the A2 list of the EPPO (European and Mediterranean Plant Protection Organization), with over 550 host species belonging to more than 80 plant families.</p> <p>The research project to be developed during this three-year PhD program will focus on studying the mechanisms of host-pathogen interaction using an integrated multidisciplinary approach. The goal is to develop a screening system for resistant olive plant material, considering three different contexts: controlled greenhouse environments, in vitro culture laboratories, and the Puglia region—particularly the infected area—as an open-air laboratory. The objective is to provide new insights into the mechanisms of plant-pathogen interaction and to better clarify the genetic basis of the heritability of tolerance/resistance in olive trees. The expected outcomes include the development of a multi-omic screening system to pre-select and select new tolerant/resistant genotypes to the pathogen, as well as the development of a breeding program dedicated to selecting lines resistant to <i>X. fastidiosa</i>.</p>
Planned period abroad	6 months
Planned period in Company/insitution ecc	18 months CREA OFA Rende (CS)

## POSITIONS FUNDED BY RESEARCH PROJECTS

<p><b>Scholarship n.8 - curriculum ENVIRONMENTAL SCIENCES</b></p> <p><b>“Structure, distribution, and monitoring of marine bioconstructions in the Apulian Region: management and conservation for the Nature Restoration Law”</b></p> <p><i>Position granted for 2 years by the project: - POR Puglia FESR-FSE 2014-2020 - Piano di gestione ai fini della conservazione del corallo rosso pugliese - UPB: Corriero00502318CoralRos</i></p>	<p>The project will focus on the study of biogenic marine formations, known as “bioconstructions,” which are primarily composed of the calcareous skeletons of marine organisms capable of depositing calcium carbonate. Particular attention will be given to coralligenous formations and vermetid platforms. The aim is to deepen knowledge about the distribution, extent, biodiversity, and conservation status of these structures along the Adriatic and Ionian coasts of the Apulia region. Special emphasis will be placed on developing targeted strategies for their conservation and restoration, considering their increasing vulnerability to anthropogenic pressures such as overexploitation, pollution, and climate change.</p>
<p><b>Planned period abroad</b></p>	<p>6 months</p>
<p><b>Planned period in Company/insitution ecc</b></p>	<p>No</p>

<p><b>Scholarship n.G - curriculum CROP PROTECTION</b></p> <p><b>“Application of multi-omics and functional genomics approaches to the study of phytopathogens and characterization of plant-associated microbial communities”</b></p> <p><i>Position granted for 2 years by the project: Research actions for reducing the impact on agricultural and natural ecosystems of the harmful plant pathogen Xylella fastidiosa (REACH-XY)” (UPB: Dispa.DeMiccolis.CNR_REACH-XY; CUP: BS3C22001S20001),</i></p>	<p>The 2030 Agenda emphasizes the importance of protecting plants from pathogens to ensure food security and sustainable agriculture, as plant diseases account for up to 40% of global crop losses. This project focuses on the olive tree, which is threatened by <i>Xylella fastidiosa</i>, a highly virulent bacterium responsible for rapid tree decline and capable of infecting over 500 plant species. Using multi-omics approaches such as metagenomics and transcriptomics, the project will investigate endophytic microbial communities and their interactions with both the host plant and the pathogen. Furthermore, the innovative SIGS (Spray-Induced Gene Silencing) technology will be employed to silence susceptibility genes such as DMR6, thereby enhancing olive resistance. The integration of next-generation (NGS) and third-generation sequencing (TGS) technologies, together with advanced bioinformatics tools, will enable the identification of novel molecular targets and bioactive compounds, promoting sustainable biocontrol strategies and crop protection.</p>
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Planned period abroad	6 months
Planned period in Company/insitution ecc	No

<p><b>Scholarship n.10 - curriculum CROP PROTECTION</b></p> <p><b>“Regenerative strategies for the mitigation of olive quick decline syndrome: effects of tolerant genotypes, microbial consortia, and organic amendments on symptoms expression and olive resilience”</b></p> <p><i>Position granted for 3 years by the projects:</i>  <b>Progetto Novixgen</b>  UPB:  Disspa.Montemurro.Masaf_  NOVIXGEN  CUP: C83C22001280006</p> <p><b>Progetto Rigenera</b>  UPB:  Disspa.Montemurro.Masaf_  RIGENERA  CUP: H93C22000750001</p> <p><b>Progetto Biosavex</b>  BIOSAVEX: CUP  B89J20000060009;  25.000,00</p>	<p>Olive Quick Decline Syndrome (OQDS), caused by <i>Xylella fastidiosa</i> subsp. <i>pauca</i>, represents one of the most severe phytosanitary emergencies in the Mediterranean region, with devastating impacts on the landscape, economy, and agricultural biodiversity. Although the pathogen colonizes xylem tissues, the severity of the disease appears to be influenced not only by the host's tolerance/resistance, but also by environmental, agronomic, and microbiological factors. Among these, soil health has been identified as a key determinant. Regenerative practices -such as the application of microbial consortia (antagonistic microorganisms, arbuscular mycorrhizal fungi, etc.) and organic amendments (compost, biochar, etc.)- may offer promising opportunities to enhance plant resilience, improve soil structure and microbial diversity, and modulate the physiological response of olive trees to infection.</p> <p>To assess the role of such regenerative practices in mitigating OQDS, experimental trials will be conducted using tolerant olive genotypes and treatments based on compost, biochar, and microbial consortia. Physiological and phytosanitary parameters will be monitored, complemented by molecular and microbiological analyses. In particular, -omics approaches—such as metagenomic profiling of the soil and plant microbiomes and transcriptomic analyses on tolerant genotypes—will be employed to investigate soil-plant-pathogen interactions. The resulting data will be integrated with phenotypic and agronomic observations, in order to identify the most effective combinations for improving olive resilience and reducing disease severity.</p>
Planned period abroad	6 months
Planned period in Company/insitution ecc	No

<p><b>Scholarship n.11 - curriculum CROP PROTECTION</b></p>	<p>The research project aims to valorise Mediterranean ornamentals in direct uses or as a source of biocides, biocontrol agents and resistance inducers on crops of particular agronomic and economic value in the national context, such as Grapes and Olives and</p>
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<p><b>“Valorization of mediterranean ornamentals for improving protection strategies in both fields and post-harvest”</b></p> <p><i>Position granted for 2 years by the project and 1 year by the company:</i></p> <p><i>Project: Innovazione di prodotto e di processo nel florovivaismo biologico per il verde pubblico, healing e kitchen garden (BIOGARDEN)” (CUP HS3C24000S20001 BIOGARDEN)</i></p> <p><i>Company: Studio tecnico Parente Pasquale, Partita IVA 08581220723</i></p>	<p>nevertheless the ornamentals themselves, with the aim of mitigating the environmental risk associated with the use of chemical products such as copper, a candidate for substitution, and improving the quality of the products and their post-harvest shelf life. Among the essences under study, reference will be made to those of the Mediterranean scrub and halophytes (e.g. <i>Achillea</i> spp., <i>Agastache</i> spp., <i>Aloe</i> spp., <i>Asteriscus maritimus</i>, <i>Dymondia margaretae</i>, <i>Capparis spinosa</i>, <i>Iberis semperflorens</i>, <i>Limoniastrum monopetalum</i>, <i>Rosa canina</i>, <i>Lithodora diffusa</i>, <i>Salicornia</i>, <i>Suaeda</i>, sea fennel, myrtle, mastic, thyme, marjoram, mint, rosemary, lemon balm, sage, lavender, prickly pear, carob, olive and wild olive) both with respect to the introduction of these species in healing and kitchen gardens and with respect to what can be reused from them. The direct and induced antimicrobial activity of extracts, dried products and gels as well as that exerted by the microbial communities residing in them can be evaluated against the main microorganisms that affect crops and preserved products. The best products obtained will be used in greenhouses and in the field on plants to evaluate the effects on production and in conservation to improve shelf life. The possibility of using the best essences in grassing trials, even in mixtures, will also be evaluated to evaluate the effects on the health of plants and their products and on the sequestration of synthetic chemicals. Omic, biological, biochemical, AI and nanotechnology techniques also useful for the production of new formulations will be applied in the study.</p>
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	10 months, Studio tecnico Parente Pasquale, Mola di Bari (BA)

<p><b>Scholarship n.12 - curriculum CROP PROTECTION</b></p> <p><b>“Monitoring and mitigation strategies of mycotoxin-producing phytopathogenic fungi on foodstuffs”</b></p> <p><i>Position granted for 2 years by the projects:</i></p> <p><i>MILLCHAIN (CUP BSSJ2300c450005. UPB Disspa.Porcelli.MimitMILL_CHAIN)</i></p>	<p>The project idea is part of the growing need to improve the qualitative and quantitative management of products within the agri-food chain. Consumers are increasingly demanding confirmation of the safety of products, processing techniques and sites, distribution cycle, as well as the nutraceutical values of the product. Within this framework, the project aims to implement monitoring systems to ensure qualitative and quantitative optimisation of fresh and derived products, from some of the crops of major regional and national interest, including durum wheat. In particular, assays will be developed/applied to detect the presence and proliferation of phytopathogens, as well as the risk of contamination by mycotoxins, for example from filamentous fungi belonging to the genera <i>Fusarium</i> (producer of deoxynivalenol), <i>Alternaria</i> (producer of alternariols) and <i>Penicillium</i> (producer of ochratoxin A and patulin) will be of interest. Alternative and eco-sustainable solutions applicable to the postharvest supply chain (from processing, storage, packaging) will be evaluated that can prolong shelf life and marketability thus reducing product losses</p>
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<b>OLTREBIO</b> (CUP: Bc7H2000081000S. UPB: Disspa.Ippolito.Rpu.OLTREBIO	and waste. The aim is to obtain an approach useful in guaranteeing the "safety and security" of the agri-food products studied.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	No

#### 4. EXAMINATION:

The available positions concern specific topics and will be assigned according to the order resulting from the separate curricula rankings. In the event of a lack of suitable candidates for the specific project, the positions will be assigned according to the order of the general ranking. It is mandatory for all candidates the selection of the curriculum, under penalty of exclusion.

**Admission procedure:** The selection will be made according to art. 6 letter B of the call. The selection will be made on the basis of the evaluation of the qualifications, of a research project (maximum 12,000 characters including spaces) related to the specific topic, oral exam (discussion of the qualifications and the presented project) and verification of the knowledge of the foreign language (English) during the oral exam.

**Telematics oral exam:** Candidates may request to take the test remotely when submitting their application, justifying the request in the same application on the PICA platform, The e-mail address indicated by the candidate will be used by the Selection Committee of the competition to invite him/her to be part of a "group" created through the MICROSOFT TEAMS platform and thus allow him/her to carry out the tests in shared audio-video mode. Operational instructions will be provided to candidates, through a public notice on the doctoral web page indicated in the form relating to the doctorate of interest to the candidate and by email. Candidates are required to verify their admission to the test on the date established for the presentation of the results of the research project and, in the event that the test is scheduled in telematic mode, they are required to connect on the day and at the time indicated to take it in audio-video mode shared through the MICROSOFT TEAMS platform or similar, install the software of the indicated platform on their own device, and equip yourself with a webcam that allows you to identify them before the test.

#### Procedures for carrying out the tests for foreign candidates:

Foreign candidates may choose to take the exam in English.

#### Calendar and location of the exam:

1. **Qualifications Rating:** July 30<sup>th</sup> 9:00 am CET
2. **Project Rating:** July 31<sup>st</sup> 9:00 am CET
3. **Oral exam:** August 1<sup>st</sup> 9:00 am CET

Oral exam place: Aula XI - Agricultural Building, Via Amendola, 165/A - Bari

For further information, please visit the website:

[https://www.uniba.it/en/phd-courses/phd?set\\_language=en](https://www.uniba.it/en/phd-courses/phd?set_language=en)

## ANNEX 2)

### SUMMARY SHEET

#### PhD PROGRAM IN BIOSCIENCES AND BIOTECHNOLOGIES

##### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	05-Biological Sciences, 06-Medical Sciences, 07-Agricultural and Veterinary Sciences, 03-Chemical Sciences, 09 - Industrial and Information Engineering.
SCIENTIFIC -DISCIPLINAR GROUPS	BIO01; BIO04; BIO05; BIO06; BIO07; BIO08; BIO09; BIO10; BIO11; BIO12; BIO13; BIO14; BIO16; BIO17; BIO18; BIO19; AGR17; CHIM11; MED03; MED04; MED46; ING-IND/34; VET10
COORDINATOR	Professor GIOVANNA VALENTI
ADMINISTRATIVE OFFICE	Department of Biosciences, Biotechnologies and Environment
PEC	
ORGANIZATION	ORDINARY
DURATION	3 Years
CURRICULA	YES
CURRICULA DESCRIPTION	1. Biomolecular Sciences and Bioinformatics 2. Cellular and Molecular Physiology and Biotechnology 3. Biochemical Sciences and Cellular Biology 4. Genetics, Microbiology and Molecular Evolution 5. Morpho-functional Biology

##### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

###### CURRICULUM 1

TOTAL NUMBER OF POSITIONS (with and without scholarship)	2
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	1
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF	

UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	1

### **CURRICULUM 2**

TOTAL NUMBER OF POSITIONS (with and without scholarship)	1
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	1
POSITIONS WITH UNIBA SCHOLARSHIP	
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 (33%)
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	

### **CURRICULUM 3**

TOTAL NUMBER OF POSITIONS (with and without scholarship)	1
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	1
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	

### **CURRICULUM 4**

TOTAL NUMBER OF POSITIONS (with and without scholarship)	1
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	1
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP	

FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	

#### CURRICULUM 5

TOTAL NUMBER OF POSITIONS (with and without scholarship)	1
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	1
POSITIONS WITH UNIBA SCHOLARSHIP	
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS FUNDED BY RESEARCH PROJECTS	Position funded for 33% by research project of the research team (U.P.B. Maiorano00635915Min01-Raccolta dati Alieutici -MEDITS)
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	

3. **PROJECT DESCRIPTION:** (divided by type and curriculum, where applicable. If not applicable, indicate “open-topic scholarship” in the first box. The box must be repeated for each scholarship.)

#### CURRICULUM 1

<p>Scholarship n.1 - project title:</p> <p>Colorectal cancer stem cell reprogramming in diet-induced dysbiosis for novel precision medicine strategies</p>	<p>Cancer stem cells (CSCs) play a crucial role in the initiation, progression and metastasis of colorectal cancer (CRC), contributing to therapeutic resistance, recurrence and intra-tumour heterogeneity. Diet-induced intestinal dysbiosis can alter the intestinal stem cell (ISC) niche, promoting the acquisition of the CSC phenotype. The project, leveraging a multi-omics approach in mouse models, intestinal organoids and clinical samples, will develop an AI-based big data integration model. This model will explore the relationship between CSCs, diet and dysbiosis in CRC, to identify bacterial strains capable of modulating tumour stemness and</p>
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	develop precision medicine strategies based on CSC reprogramming.
Planned period abroad	12 months maximum
Planned period in Company/insitution ecc	NOT APPLICABLE

<b>POSITIONS WITHOUT SCHOLARSHIP - project title:</b>  <b>Validation of a targeted NGS-based algorithm for the novel classification and personalized therapy of aggressive B-cell lymphomas.</b>	<p>The project aims to validate a targeted NGS-based algorithm for the classification of aggressive B- cell lymphomas (DLBCL), comparing it with WES-seq using tools such as LymphGen. A central element is the development of 3D organoid models derived from biopsies and cell lines, representing different molecular subtypes. These ex vivo models will allow the study of tumor biology, drug response testing, and validation of targeted therapies. The integration of NGS data with functional assays on organoids strengthens clinical translation and supports a personalized medicine approach.</p>
Planned period abroad	To be defined
Planned period in Company/insitution ecc	NOT APPLICABLE

## CURRICULUM 2

<b>Scholarship n.3 - project title:</b>  <b>Endometrial receptivity: study of the molecular targets and activated intracellular mechanisms</b>	<p>According to data from the Istituto Superiore di Sanità, in Italy 15% of couples have infertility problems and in 40% of cases for mainly female causes. Endometrial receptivity is crucial for the establishment of pregnancy. A compromised endometrial receptivity can be one of the causes of infertility or implantation failures in PMA treatments. Therefore, the evaluation of endometrial receptivity is assuming an increasingly important role in reproductive medicine. The present project aims to investigate the existence of new biomarkers able to allow a reliable analysis of the endometrial state, in relation to receptivity. Once these markers have been identified, the aim of the project is to test, in collaboration with SESTRE, the role of new supplements and nutraceuticals in increasing endometrial receptivity, identifying the molecular targets and the activated intracellular mechanisms.</p>
Planned period abroad	6 months maximum
Planned period in Company/insitution ecc	9 months in SESTRE Via Oberdan, 9 - Trinitapoli (BT) 76015

## CURRICULUM 3

<b>Scholarship n.4 - project title:</b>  <b>Chrysin's impact on neuroinflammation damage in in vivo and in vitro models.</b>	<p>Neuroinflammation is a mechanism through which the brain immune cells eliminate pathogens, cell debris or misfolded proteins, but if prolonged, contributes to the onset neurodegenerative disorders. Activated microglia is believed to exacerbate neuronal damage, as reported in many neurodegenerative diseases, including Alzheimer's and Parkinson's disease. Chrysin (5,7-dihydroxy-2-phenyl-4H-cromen-4-one) belongs to the group of natural polyphenols and is a</p>
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	promising compound to be used in the prevention of many diseases, including neurodegenerative diseases. In the present research the effect of chrysin on oxidative stress, inflammatory responses and motor deficits in a mouse model of neuroinflammation will be investigated. This project will also investigate the effects of chrysin on the modulation of specific pathways involved in neuroinflammation, using an in vitro model represented by activated microglial cells.
Planned period abroad	6 months (University of Angers - France)
Planned period in Company/insitution ecc	NOT APPLICABLE

#### CURRICULUM 4

<b>Scholarship n.5 - project title:</b>  <b>Molecular bioanthropology of complex traits in Southern Italy.</b>	The molecular variation of people living in present-day Southern Italy has been shaped by millennia of evolutionary processes, including founder effects, migrations, and adaptation. Understanding the history of the region is crucial from anthropological, historical, and medical perspectives. In recent decades, there has been growing recognition that incorporating evolutionary information into translational research enhances the discovery of the genetic architecture underlying complex phenotypic traits. In this project, we will analyse bioanthropological markers and phenotypic data from 2,200 individuals from Apulia to disentangle the region's evolutionary history and its contribution to observed phenotypic variation.
Planned period abroad	6 months
Planned period in Company/insitution ecc	NOT APPLICABLE

#### CURRICULUM 5

<b>Scholarship n.6 - project title:</b>  <b>Molecular bioanthropology of complex traits in Southern Italy.</b>	The molecular variation of people living in present-day Southern Italy has been shaped by millennia of evolutionary processes, including founder effects, migrations, and adaptation. Understanding the history of the region is crucial from anthropological, historical, and medical perspectives. In recent decades, there has been growing recognition that incorporating evolutionary information into translational research enhances the discovery of the genetic architecture underlying complex phenotypic traits. In this project, we will analyse bioanthropological markers and phenotypic data from 2,200 individuals from Apulia to disentangle the region's evolutionary history and its contribution to observed phenotypic variation.
Planned period abroad	6 months
Planned period in Company/insitution ecc	NOT APPLICABLE

#### 4. EXAMINATION:

**General information:** The exam tests will be distinct for each curriculum and the respective rankings

will be merged into a single final ranking that will give access rights. The available fellowships will be assigned, among the curricula, according to the merit ranking. Positions that have not been assigned, due to a lack of suitable candidates in a curriculum, will be assigned to candidates who are found suitable for other curricula, based on the score obtained in the general ranking. Candidates must indicate their choice of curriculum, under penalty of exclusion from the competition.

**Admission procedure:** The selection will be made in accordance with art. 6 letter B. The selection will be made on the basis of the evaluation of the qualifications, a research project (maximum 12,000 characters including spaces) related to the specific topic, an oral exam (discussion of the qualifications and the project presented) and verification of knowledge of the foreign language (English) during the oral exam.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the exam in English.

**Calendar and location of the exam:**

1. **Qualifications Rating:** 30/7/2025 9.30 a.m.
2. **Project Rating:** 31/7/2025 9.30 a.m.
3. **Oral exam:** 4/8/2025 9.30 a.m.

Exams will be held in the Aula Magna located on the ground floor of the Biological Departments Building - "Ernesto Quagliariello" University Campus in Via Orabona - Bari

For further information, please visit the website: <https://www.uniba.it/it/dottorati/bioscienze-biotecnologie>

## ANNEX 3)

### SUMMARY SHEET

#### PhD PROGRAM IN “DIGITAL INNOVATION AND eHEALTH”

##### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	01 - Mathematical and Computer Sciences, 03 - Chemical Sciences, 05 - Biological Sciences, 06 - Medical Sciences, 09 - Industrial and Information Engineering, 11 - Historical, Philosophical, Pedagogical, Psychological Sciences, 13 - Economics and Statistics
SCIENTIFIC -DISCIPLINAR GROUPS	INF/01 - Informatics; CHIM/12 - Chemistry of the environment and cultural heritage; BIO/12 - Clinical biochemistry and clinical molecular biology; BIO/14 - Pharmacology; BIO/18 - Genetics; MED/09 - Internal Medicine; MED/13 - Endocrinology; MED/14 - Nephrology; MED/48 - Nursing Sciences and Neuropsychiatric and Rehabilitative Techniques; ING-INF/05 - Information Processing Systems; M-PSI/01 - General Psychology; M-PSI/08 - Clinical Psychology; SECS-S/01 - Statistics; SECS-P/10 - Business Organization
COORDINATOR	Monica MONTAGNANI
ADMINISTRATIVE OFFICE	Department of Precision and Regenerative Medicine and Ionian Area (DiMePre-J)
PEC	<a href="mailto:direzione.dimeprej@pec.uniba.it">direzione.dimeprej@pec.uniba.it</a>
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No

##### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA SCHOLARSHIP	3

<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	1 (33%) Azienda DotCMedia
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	1 (33%) ProBen MoEBIUS 2, Avviso MUR 1396/2024
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	0
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	0

### 3. PROJECT DESCRIPTION:

<b>Scholarship n. 1 - Open-topic scholarship</b>	Candidates are asked to freely develop a research project of interest to the doctorate on one of the topics relating to the ERC macro-sectors Life Sciences (LS), Physical Sciences and Engineering (PE) and/or Social Sciences and Humanities (SH ), which summarizes the objectives of research on the protection and prevention of human health through the implementation of e-Health approaches.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Optional -Up to 6 months

<b>Scholarship n. 2- Open-topic scholarship</b>	Candidates are asked to freely develop a research project of interest to the doctorate on one of the topics relating to the ERC macro-sectors Life Sciences (LS), Physical Sciences and Engineering (PE) and/or Social Sciences and Humanities (SH ), which summarizes the objectives of research on the protection and prevention of human health through the implementation of e-Health approaches.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Optional -Up to 6 months

<b>Scholarship n. 3 - Open-topic scholarship</b>	Candidates are asked to freely develop a research project of interest to the doctorate on one of the topics relating to the ERC macro-sectors Life Sciences (LS), Physical Sciences and Engineering (PE) and/or Social Sciences and Humanities (SH ), which summarizes the objectives of research on the protection and prevention of human health through the implementation of e-Health approaches.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Optional -Up to 6 months



<b>Scholarship n. 4 - Co-sponsored fellowship (DotsMedia s.r.l.)</b>	<p><b>Project title and scholarship topic:</b> <i>"AI to support Personalized, Empathetic and Effective Human-Robot Interaction in the Digital Health Field"</i></p> <p><b>Research Description:</b> The general objective of this doctoral research is to explore and develop innovative solutions based on Artificial Intelligence (AI) to support the creation of personalized, empathetic and effective interactions between humans and social robots, with reference to the emerging field of Digital Health. The project aims to contribute to the definition of new paradigms of Human-Robot Interaction (HRI) in therapeutic, rehabilitative and psycho-emotional support contexts, through an interdisciplinary approach that integrates knowledge of artificial intelligence, computational psychology, affective neuroscience and interaction design.</p>
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Up to 6 months

<p><b>Scholarship n. 5 - Co-funded fellowship (ProBen MoEBIUS 2, Avviso MUR 13G6/2024)</b></p> <p><b>CUP: MASTER H53C240004G0001</b></p>	<p><b>Project title and scholarship topic:</b> <i>"The Use of Chatbots Amid Social Anxiety and Emerging Addictions in the University Student Population"</i></p> <p><b>Research Description:</b> The present project aims to investigate how interaction with chatbots can serve as a strategy for emotional regulation, addressing needs such as acceptance, understanding, uncertainty management, fear of rejection (FOR), fear of negative evaluation (FONE), and social interaction anxiety. The project intends to:</p> <p>(i) explore how university students use chatbots to manage and modulate their emotional states, identifying the underlying emotional needs in virtual interactions; (ii) outline the psychological profile of users who turn to chatbots for emotional purposes, identifying stable cognitive and affective traits associated with contemporary forms of social anxiety and behavioral addictions, such as Fear of Missing Out, Phubbing, and Nomophobia.</p>
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Optional -Up to 6 months

#### 4. EXAMINATION:

**General information:** The exam tests will be included in a single final ranking that will give access. The places put up for competition will be assigned according to the order in the ranking of merit, until the places themselves are filled.

**Admission procedure:** Theselectionwilltakeplaceinaccordancewith Article 6letter B. The selection will be based on the evaluation of the qualifications, a research project (maximum 12,000 characters including spaces) relating to the specific topic, an oral exam (discussion of the qualifications and the project presented) and verification of knowledge of the foreign language (English) during the oral exam.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the entrance exam in English.

#### Calendar and location of the exam:

1. Qualifications Rating: Friday, August 1<sup>st</sup>, 2025 - 9:30 a.m.
2. Project Rating: Friday, August 1<sup>st</sup>, 2025 - 3:00 p.m.
3. Oral exam: Wednesday, August 6, 2025 - 9:30 a.m.

#### Oral exam location:

Department of Precision and Regenerative Medicine and Ionian Area - DIMEPRE\_J

Policlinico - Istituti Biologici - Ist Floor - Auletta di Farmacologia

For further information, please visit the website:

<https://www.uniba.it/it/ricerca/dipartimenti/dimepre-j/ricerca/dottorato/digital-innovation-and-e-health>

## SUMMARY SHEET

### PhD PROGRAM IN RIGHTS AND PROTECTION IN GLOBALIZED MARKETS

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	12 - Legal Sciences 13- Economics and statistics
SCIENTIFIC -DISCIPLINAR GROUPS	12/GIUR-01, 12/GIUR-02, 12/GIUR-03, 12/GIUR-04, 12/GIUR-09, 12/GIUR-10, 12/GIUR-11, 12/GIUR-12, 12/GIUR-14, 12/GIUR-17, 13/ECON-01, 13/ECON-06
COORDINATOR	Prof. Vito Sandro Leccese
ADMINISTRATIVE OFFICE	Department of Law (Dipartimento di Giurisprudenza)
PEC	direzione.giurisprudenza@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	4
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	//
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	//
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	//
POSITIONS FUNDED BY RESEARCH PROJECTS	//
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	//
POSITIONS WITHOUT SCHOLARSHIP	//

#### 3. PROJECT DESCRIPTION: (divided by type and curriculum, where applicable. If not applicable, indicate "open-topic scholarship" in the first box. The box must be repeated for each scholarship.)

Scholarship n.1 - project title	Short summary of the research project linked to the scholarship position, outlining its aim and key objectives.
"Judicial Protection of Migrants' Rights" (SSD GIUR-12/A)	The right of non-EU nationals to transit through and reside in Italian territory is subject to a series of requirements which, in most cases, entail an assessment carried out by the administrative authority and, in case of refusal, the use of judicial remedies aimed at obtaining

	recognition of such rights and opposing expulsion orders. The complexity and volatility of both primary and secondary sources governing the recognition of legal statuses related to the fundamental rights enshrined in Article 10, paragraphs 2, 3, and 4 of the Italian Constitution necessitate ongoing monitoring and legal updating. With regard to judicial protection, it is necessary to assess the actual accessibility of justice and the procedural protection techniques available.
<b>Planned period abroad</b>	6 months

<b>Scholarship n.2 - project title</b>  <b>“The protection of foreign direct investments in the maritime sector between globalisation and polarisation of markets” (SSD GIUR-0G/A)</b>	<p>Short summary of the research project linked to the scholarship position, outlining its aim and key objectives.</p> <p>The research focuses on international investment law, with specific regard to the means of protecting foreign direct investments (FDI) in the maritime sector. The study will examine the interactions between the Italian market and markets across the so-called ‘Enlarged Mediterranean’ against the backdrop of the current geopolitical tensions that are generating increasingly polarised State-to-State relationships. It will outline the FDI’s legal framework and its developments, taking into account the Bilateral Investment Treaties (BITs) to which Italy is a party, as well as the new BIT models adopted by States, along with the impact of the EU’s exclusive competence in matters of FDI. Attention will be drawn to the increasing demand for a balance between investors’ interests and the host State’s regulatory powers aimed at protecting non-economic values. When addressing the means of protection, the research will explore the policy on the agenda of specific international organisations, such as UNIDROIT, aimed at strengthening and modernising international investment contracts, including drawing on the practices developed by the International Chamber of Commerce (ICC).</p>
<b>Planned period abroad</b>	6 months

<b>Scholarship n.3 - project title</b>  <b>“Civil Liability in the Age of Artificial Intelligence: A Comparative Reflection on the Limits of Existing Law” (SSD GIUR-11/A)</b>	<p>Short summary of the research project linked to the scholarship position, outlining its aim and key objectives.</p> <p>The research aims at investigating, from a comparative law perspective, the issue of civil liability for damages caused by the use of AI systems, with particular concern to the level of protection afforded to injured parties. The Regulation (EU) 2024/1689 on Artificial Intelligence (AI Act) highlights how the features of such technologies - particularly their autonomy and opacity - raise significant questions concerning the allocation of the burden of proof, the reconfiguration of risk and safety obligations, making it difficult, if not impossible, for the injured party to obtain compensation. In this regard, the EU legislature attempted - unsuccessfully - to address such challenges through a proposed directive on AI liability, which was later withdrawn. The project seeks to analyze the relevant legal frameworks and judicial interpretations, with the aim of rethinking traditional legal categories in light of fundamental human rights.</p>
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Planned period abroad	6 months
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<b>Scholarship n.4 - project title</b>  <b>“The cross-cutting nature of EU competition policy” (SSD GIUR-10/A)</b>	<p>Short summary of the research project linked to the scholarship position, outlining its aim and key objectives.</p> <p>In the EU Treaties, the value of free competition favours a highly competitive social market economy within the framework of sustainable development (Artt.3TEU; 119TFEU). Specifically, competition policy is the exclusive responsibility of the Union and promotes innovation, competitiveness and consumer protection (Artt.101-109TFEU; Prot.n.27). It is transversal to the policies of the Treaties; although strict, it limits public intervention where this is necessary for the proper functioning of the internal market. The EU Commission has recently highlighted the policy developments of the EU antitrust framework, as well as its ability to support the EU's industrial objectives (art.173TFEU) [COM(2025)181final]. In finalistic terms, the EU institution intends to continue the reforms launched in 2024 to adapt free market rules to global challenges. In the coming years, therefore, compliance with competition rules may be the guiding thread of the EU's commitment to a green, digital and inclusive European economic transition. While the objective remains the resilience of the European integration process, the challenge is to ensure that free competition works in tandem with the Union's growth strategies.</p>
Planned period abroad	6 months

The available positions scholarships will be assigned according to the order in the merit ranking for each topic. In the absence of suitable candidates for a specific research activity, positions will be assigned according to the order in the merit ranking. Any additional scholarship will be assigned according to the order in the merit ranking.

#### 4. EXAMINATION:

##### Admission procedure:

The selection will be made following the art. 6 letter B of the call, by qualifications, research project and interview. The oral exam will be based on the discussion of an original research project (maximum 12000 characters including spaces) on the topic of the call, previously sent by the candidate, together with the admission application under penalty of exclusion, to be assessed in relation to its originality, rigor methodological and consistency with the topic covered by the call. The oral exam will also be based on verifying the maturity and knowledge, skills and aptitude for scientific research of each candidate in relation to the Academic discipline (or disciplines) to which the research refers, as well as foreign language knowledge checking (English/French/German/Spain, at the choice of the candidate). The oral exam will be held in person

##### Procedures for carrying out the tests for foreign candidates:

Foreign candidates can choose to do the admission test in Italian or English language.

##### Calendar and location of the exam:

1. **Qualifications Rating:** 31st July 2025, h 10.00
2. **Project Rating:** 31st July, h 14.00
3. **Oral exam:** 4th August 2025, h 9.30

**Location of oral exam:** Meeting Room Private Law - 1st floor - Dipartimento di Giurisprudenza - Corso Italia, 23 - Bari (Italy)





For further information, please visit the website: (PhD website):  
<https://www.uniba.it/it/dottorati/diritti-tutele-mercati-globalizzati>

## SUMMARY SHEET

### PhD PROGRAM IN IN MEDITERRANEAN RIGHTS, ECONOMIES AND CULTURES

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	11 - Historical, philosophical and pedagogical sciences, 12 - Legal sciences 13 - Economic and statistical sciences 14 - Political and social sciences
SCIENTIFIC -DISCIPLINAR GROUPS	IUS/01, IUS/02, IUS/03, IUS/04, IUS/05, IUS/06, IUS/07, IUS/08, IUS/10, IUS/11, IUS/12, IUS/13, IUS/16, IUS/17, IUS/19, IUS/21, SECS-P/01, SECS-P/02, SECS-P/06, SECS-P/07, SECS-P/08, SECS-P/11, SECS-P/13, SECS-S/01, M-PED/01, SPS/12
COORDINATOR	Prof. Pietro Alexander Renzulli
ADMINISTRATIVE OFFICE	Dipartimento Jonico in "Sistemi Giuridici ed Economici del Mediterraneo: società, ambiente, culture"
PEC	segreteria.djsge@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No

#### 2. POSITIONS OPEN FOR APPLICATION :

TOTAL NUMBER OF POSITIONS (with and without scholarship)	6
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	1
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 (33.3%)
POSITIONS FUNDED BY RESEARCH PROJECTS	0
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	1

### 3. PROJECT DESCRIPTION:

<p><b>Scholarship n.1</b> – <i>Renewable Energy Communities as a model of shared governance: Towards a just energy transition</i></p> <p>SSD GIUR-0c/A. Fully funded by Italcave SpA.</p>	<p>The project aims to investigate the role of Renewable Energy Communities (REC) in promoting a fair and inclusive energy transition. The REC model, introduced by Directive 2018/2001/EU, is an excellent tool for involving citizens in the decarbonisation process through forms of public-private partnership that have already been tested in other sectors of the legal system.</p> <p>The aim is to analyse regulatory instruments, governance models and participatory practices that encourage the active involvement of citizens in the production and management of energy from renewable sources. A shared energy transition can strengthen social acceptance of renewable energy, expanding the scope of democratic participation and the social economy. Particular attention will be paid to the inclusion of vulnerable social groups and overcoming energy inequalities. The project will adopt an interdisciplinary approach, integrating legal analysis, public policy and participatory practices. European and Italian cases of CER will be studied, with a focus on the effectiveness of co-design tools. The ultimate goal is to contribute to the definition of a theoretical and practical framework for the implementation of a “just transition” centred on energy citizenship and to provide some possible solutions, particularly in the Ionian area, to involve the local community in the creation of energy communities in agreement with local public authorities.</p> <p>The purpose of the research is therefore to contribute to the development of a theoretical and operational framework to support a “just transition” based on the principle of energy citizenship, including the identification of concrete proposals for the creation of energy communities with the active involvement of local communities – with particular reference to the Ionian region – in agreement with local public authorities.</p>
<b>Planned period abroad</b>	3 months, Faculty of Social Sciences (SWPS) University of Warsaw, Poland (prof. Agnieszka Golinska)
<b>Planned period in Company/insitution ecc</b>	NA

<p><b>Scholarship n.2</b> – <i>Technological, economic and environmental evaluation of the use of slag as raw material in a micronization plant for the production of high quality binders.</i></p> <p>SSD ECON-10/A - Commodity sciences. Co-financed by Italcave SpA.</p>	<p>The research project aims to test the use of blast furnace slag from the steel industry for the production of cement mixes. The project will evaluate from a technological, economic and environmental point of view the use of slag as a raw material in a micronization plant for the production of high-quality binders. The project will use a pilot plant specifically designed for the use and will proceed to use both blast furnace slag currently sold on the market to cement factories, and slag classified as waste and destined for landfill disposal because it does not comply with certain quality standards. In the second case, the treatment tested on the pilot plant will allow the end of waste qualification, with the obtaining of a secondary raw material of interest for the cement and cement conglomerate industry.</p>
<b>Planned period abroad</b>	3 months, Università Tecnica Gheorghe Asachi, Department of Environmental Engineering and Management
<b>Planned period in Company/ institution ecc</b>	6 months, Italcave SpA, Taranto

Scholarship n.3 - Free theme scholarship	Free theme scholarship
Planned period abroad	6 months (to be defined after scholarship award)
Planned period in Company/ institution ecc	NA

Scholarship n.4- Free theme scholarship	Free theme scholarship
Planned period abroad	6 months (to be defined after scholarship award)
Planned period in Company/ institution ecc	NA

Scholarship n.5 - Free theme scholarship	Free theme scholarship
Planned period abroad	6 months (to be defined after scholarship award)
Planned period in Company/ institution ecc	NA

Position without a scholarship n.1 - Free theme	Position without a scholarship, free theme
Planned period abroad	To be defined after scholarship awarding
Planned period in Company/institution ecc	NA

#### 4. EXAMINATION:

**General information:** the positions offered with scholarships, with a specific topic, financed or co-financed by external bodies, will be assigned according to the order in the merit ranking for each topic, until the places are filled.

The positions offered with free-theme scholarships will be assigned, according to the order of a single specific merit ranking, until the places are filled.

The places offered without scholarships will be assigned, according to the order of a single specific merit ranking, until the places are filled.

**Admission procedure:** The selection will be made in accordance with art. 6 letter B.

The selection will be made on the basis of the evaluation of the qualifications and the oral exam with discussion of a research project, original and consistent with any specific topic and/or with the research lines of the doctoral program, previously sent by the candidate (maximum 12,000 characters including spaces) together with the application for admission under penalty of exclusion.

The oral exam will focus on the discussion of the qualifications and the research project in relation to its originality, methodological rigor and consistency with the research lines of the doctoral program, as well as the candidate's aptitude for scientific research and the consistency of his/her scientific profile with the themes of the doctoral program. Knowledge of the foreign language: English will also be verified as part of the oral exam.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the entrance exam in English.

#### Calendar and location of the exam:

1. Qualifications Rating: 30th July 2025
2. Project Rating: 30th July 2025

3. **Oral exam: 31th July 2025**

**Exam location:** Classroom IV, " Ionian Department in "Sistemi Giuridici ed Economici del Mediterraneo: società, ambiente, culture ", Via Duomo, 259 Taranto or, if the candidate is resident abroad and expressly requests it, remotely on the Microsoft Teams platform. The access code to the platform will be promptly communicated to candidates on the website of the Doctorate in Rights, Economies and Cultures of the Mediterranean

**For further information, please visit the website: (PhD website)**

<https://www.uniba.it/it/ricerca/dipartimenti/sistemi-giuridici-ed-economici/postlaurea/dottorato-di-ricerca>



## SUMMARY SHEET PhD PROGRAM IN

### RIGHTS, INSTITUTIONS AND SAFEGUARDS IN TRANSITIONAL SOCIETIES

#### 1. GENERAL INFORMATION

CUN SCIENTIFIC AREAS	12. Law Studies 14. Political and Social Sciences
SCIENTIFIC -DISCIPLINAR GROUPS	12/GIUR-01, 12/GIUR-05, 12/GIUR-06, 12/GIUR-07, 12/GIUR-08, 12/GIUR-09, 12/GIUR-10, 12/GIUR-11, 12/GIUR-13, 12/GIUR-16, 12/GIUR-17, 14/GSPS-04
COORDINATOR	Prof. Giuseppe Andrea Primerano
ADMINISTRATIVE OFFICE	Department of Law
PEC	direzione.giurisprudenza@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	NO

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

TOTAL NUMBER OF POSITIONS (with and without scholarship)	4
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS FUNDED BY RESEARCH PROJECTS	0
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	0

#### 3. PROJECT DESCRIPTION

The candidate shall present his/her own research project related to one of the following topics:

Scholarship n.1 - Project title: Automation and artificial intelligence in administrative procedures: critical	In the context of the progressive digitalization of administrative activity, automated procedures or those based on A.I. systems adopted by p.a. - in particular by the Financial Administration - raise increasingly pressing questions on the compatibility between technological innovation and the protection of subjective legal situations. The research aims to prepare a general survey of the
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<b>profiles and regulatory perspectives</b>	methods of use of these tools, with particular attention to the functioning of some relevant application cases in order to analyze their impact on the system of guarantees and protections, both at internal and supranational level. The objective of the project is to verify the possibility of creating a constitutionally oriented algorithmic governance, capable of combining the efficiency of the digital transition with full compliance with the fundamental principles of the European rule of law.
<b>Planned period abroad</b>	6 months

<b>Scholarship n.2 - Project title: The protection of cultural heritage of religious interest</b>	The research aims to investigate, from an interdisciplinary perspective, the forms and limits of the protection of cultural heritage of religious interest in the context of societies in transition, characterized by regulatory, institutional and cultural changes. The investigation is located at the intersection between law and religion, administrative law and constitutional law, aiming to outline an updated framework of the legal instruments responsible for the conservation, enhancement and management of religious cultural heritage, with particular attention to the challenges posed by religious pluralism. The aim is to contribute to the development of regulatory solutions consistent with constitutional values and adapted to the transformations taking place in contemporary multicultural societies.
<b>Planned period abroad</b>	6 months

<b>Scholarship n.3 - Project title: The protection of rights in the European regulation of digital technologies</b>	The research focuses on the protection of fundamental rights in European digital technology regulation. The project aims to examine how the EU is seeking to guarantee individual freedoms, personal data protection, transparency and non-discrimination through the latest regulatory instruments, identifying solutions to ensure a balance between technological innovation and the protection of rights. Objectives will include the analysis of the European legal framework, the impact of regulations on user rights and the role of public authorities. The research will also draw on the resources of the Jean Monnet Centre of Excellence DIGITIMPACT and the Jean Monnet Module COMEU4PAR of Uniba.
<b>Planned period abroad</b>	6 months

<b>Scholarship n.4 - Project title: New technologies, artificial intelligence and jurisdictional activity in Common law countries: legal, practical and epistemological profiles</b>	The adoption of new technologies, and in particular artificial intelligence (AI), is profoundly transforming the administration of justice. In common law countries, where precedent and judicial discretion play a central role, the integration of AI into judicial activity raises new questions about the balance between technological innovation and fundamental principles of due process. This research therefore aims to explore the theoretical, practical and constitutional implications of the use of artificial intelligence in common law jurisdictions, with particular attention to the cases of the United Kingdom, the United States, Canada and Australia. The aim is to analyse how the introduction of automated tools affects the autonomy of the judge (whose discretion in the analysis of individual cases may be compressed by the automated algorithmic decision), the predictability of decisions, access to justice and, more generally, the balance between technological innovation and the constitutional rule of law.
<b>Planned period abroad</b>	6 months

In the formulation of the application for the competition, and in particular in the project to be submitted, the candidate must indicate for which theme he/she intends to compete.

The places put up for competition will be assigned according to the order in the merit ranking for each scholarship. In the event of a lack of suitable candidates for a specific project, places will be assigned according to the order of the general ranking in respect of the projects identified.

#### 4. EXAMINATION

**Admission procedure:** The selection will take place pursuant to art. 6, letter B, for titles, research project and oral test. The oral test will focus on the discussion of the original research project related to the topic covered by the call, previously sent by the candidate together with the application for admission under penalty of exclusion, and on the verification of the maturity and knowledge, skills and aptitude for scientific research of each candidate in relation to the sector to which the research pertains (Scholarship I: GIUR-08/A; Scholarship II: GIUR-07/A; Scholarship III: GIUR-10/A; Scholarship IV: GIUR-11/B). During the oral test, knowledge of the English language will also be assessed. The oral exam will be carried out in presence.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates can choose to take the admission exam in English.

#### Calendar and location of the exam:

1. Qualifications Rating: 2025, July 30, h 9:00
2. Project Rating: 2025, July 30, h 12:00
3. Oral exam: 2025, August 1, h 9:00. Place: Palazzo Del Prete - IV floor of the Department of Law, Aula B, P.zza Cesare Battisti 1, 70122 - Bari (BA).

For further information, please visit the website:

<https://www.uniba.it/it/dottorati/diritti-istituzioni-garanzie-societa-transizione>

## SUMMARY SHEET

### PhD PROGRAM IN EARTH PROCESSES AND MANAGEMENT OF RESOURCES AND RISKS FOR A RESILIENT SOCIETY AND TERRITORY

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	02-04-06-08
SCIENTIFIC -DISCIPLINAR GROUPS	04/GEOS-01 04/GEOS-02 04/GEOS-03 04/GEOS-04 04/GEOS-01 08/CEAR-05 08/CEAR-07 06/MEDS-25 13/ECON-01 13/STAT-01
COORDINATOR	Prof. Roberto Sulpizio
ADMINISTRATIVE OFFICE	Dipartimento di Scienze della Terra e Geoambientali
PEC	direttore.geo@pec.uniba.it
ORGANIZATION	ASSOCIATED, INDUSTRIAL, DOCTORATE OF NATIONAL INTEREST
DURATION	3 years
CURRICULA	Yes
CURRICULA DESCRIPTION	1 Earth processes
	2 Risk assessment and mitigation
	3 Resource management
	4 Resilient Society and Territory

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

TOTAL NUMBER OF POSITIONS (with and without scholarship)	34
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	34
• POSITIONS WITH UNIBA SCHOLARSHIP	9
• POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	4
• SCHOLARSHIPS FUNDED BY AFFILIATED INSTITUTIONS - Scholarship reserved for employees	10
• SCHOLARSHIPS FUNDED BY AFFILIATED INSTITUTIONS - Apprenticeship track	1
• POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	1
• POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS (Co-funding percentage of 35% or 47%)	6
• POSITIONS CO-FUNDED BY	3

**RESEARCH PROJECTS:**

- GO FORWARD" Prof. LIOTTA CUP: B73C24001150005
- PRIN 2022 Prof. ZEMA cod. prog. 2022HSEB7P CUP: H53C24001420006
- PRIN 2022 Prof.ssa LACALAMITA cod. prog. 20223WGKPM CUP: H53C24001080006

**3. PROJECT DESCRIPTION:**

• **UNIBA SCHOLARSHIPS**

n. Scholarship (1) - project title	Open-topic scholarship (UNIBA)
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (2) - project title	Open-topic scholarship (UNIBA)
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (3) - project title	Open-topic scholarship (UNIBA)
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (4) - project title (If not applicable, indicate "open-topic scholarship)	Open-topic scholarship (UNIBA)
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (5) - project title (If not applicable, indicate "open-topic scholarship)	Open-topic scholarship (UNIBA)
Planned period abroad	6 months
Planned period in Company/insitution ecc	



n. Scholarship (6) - project title	Open-topic scholarship (Regione Puglia)
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (7) - project title	Open-topic scholarship (Regione Puglia)
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (8) - project title	Scholarship funded by DiSTeGeo-Composition, preparation, and physico-mechanical properties of hot-hydraulic lime mixtures
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (G) - project title	Scholarship funded by DiSTeGeo-Economic and social assessments of volcanic and seismic risk
Planned period abroad	
Planned period in Company/insitution ecc	

#### • SCHOLARSHIPS FUNDED BY AFFILIATED INSTITUTIONS

n. Scholarship (10) - project title	Scholarship funded by University of Palermo - Open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution ecc	

n. Scholarship (11) - project title	Scholarship funded by INGV-Sea level rise projections and scenarios in the Mediterranean through 2150
Planned period abroad	6 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (12) - project title	Scholarship funded by Environmental Surveys Srl -Marine investigations for geognostic and subsurface characterization
Planned period abroad	6 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (13) - project title	Scholarship funded by Environmental Surveys Srl -Remote sensing techniques for seabed characterization
Planned period abroad	6 months
Planned period in Company/insitution ecc	Up to 12 months

- **SCHOLARSHIPS FUNDED BY AFFILIATED INSTITUTIONS** - Scholarship reserved for employees

n. Scholarship (14) - project title (If not applicable, indicate "open-topic scholarship)	Scholarship reserved for employees of INGV- Development of a participatory laboratory and a smart network for the collaborative management of geophysical instrumentation in support of territorial resilience and Citizen Science
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (15) - project title	Scholarship reserved for employees of INGV - Participatory Seismological Education: Development, Implementation, and Evaluation of a School Network for Awareness and Citizen Science on Seismic Risk
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (16) - project title	Scholarship reserved for employees of Planetek Srl - Open-topic scholarship
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (17) - project title	Scholarship reserved for employees of Agenzia regionale Strategica per lo Sviluppo Ecosostenibile del Territorio - ASSET - Open-topic scholarship
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (18) - project title	Scholarship reserved for employees of Agenzia regionale Strategica per lo Sviluppo Ecosostenibile del Territorio - ASSET - Open-topic scholarship
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (1G) - project title	Scholarship reserved for employees of Agenzia regionale Strategica per lo Sviluppo Ecosostenibile del Territorio - ASSET - Open-topic scholarship
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (20) - project title	Scholarship reserved for employees of Ethra srl - Lithic resources and anthropization of the Ionian arc
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (21) - project title	Scholarship reserved for employees of DyrectaLab Srl - Intelligent regulation and ESG-driven contractual frameworks: legal and technological governance of corporate processes for territorial environmental resilience
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (22) - project title	Scholarship reserved for employees of Environmental Surveys Srl - Open-topic scholarship
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (23) - project title	Scholarship reserved for employees of Environmental Surveys Srl - Open-topic scholarship
Planned period abroad	
Planned period in Company/insitution ecc	

• . SCHOLARSHIPS FUNDED BY PARTNER INSTITUTIONS - Apprenticeship track

n. Scholarship (24) - project title	Apprenticeship track for Geoprosys Srl - Innovative development and engineering of systems for geoelectrical surveys in marine investigations
Planned period abroad	

Planned period in  
Company/insitution ecc

• **SCHOLARSHIPS FULLY FUNDED BY EXTERNAL ENTITIES**

n. Scholarship (25) - project title	Scholarship funded by ENI- Carbon credits and marine supply chains as economic drivers for the sustainable blue economy: scientific models and legal tools for traceability and certification
Planned period abroad	6 months
Planned period in Company/insitution ecc	Up to 12 months

• **Scholarships co-funded by external entities (Co-funding percentage of 35% or 47%)**

n. Scholarship (26) - project title	Scholarship co-funded by CNR-IREA- Development of innovative methods for estimating soil and vegetation water content from synthetic aperture radar (SAR) data
Planned period abroad	3 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (27) - project title	Scholarship co-funded by INGV- Seismotectonic study of Tuscany: identification and characterization of seismogenic sources
Planned period abroad	3 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (28) - project title	Scholarship co-funded by Geoprosys s.r.l.- 3D inversion of magnetotelluric data in Southern Italy
Planned period abroad	3 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (2G) - project title	Scholarship co-funded by ACCIONA AGUA SA - Satellite and UAV observation technologies for integrated monitoring of water facility stability
Planned period abroad	3 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (30) - project title	Scholarship co-funded by Planetek s.r.l.- Satellite technologies for structural monitoring: support for innovative infrastructure management and maintenance
Planned period abroad	3 months

Planned period in Company/insitution ecc	Up to 12 months
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n. Scholarship (31) - project title	Scholarship co-funded by DISTAR UNINA-Toward the quantification of the probabilistic tsunami hazard from non seismic sources
Planned period abroad	
Planned period in Company/insitution ecc	

• **SCHOLARSHIPS CO-FUNDED BY national and international projects**

n. Scholarship (32) - project title (If not applicable, indicate "open-topic scholarship)	Scholarship co-funded by project PRIN 2022 Prof.ssa LACALAMITA cod. prog. 20223WGKPM CUP: H53C24001080006-Valorization of red muds and other industrial residues for the recovery of critical raw materials recovery and catalytic applications
Planned period abroad	
Planned period in Company/insitution ecc	

n. Scholarship (33) - project title (If not applicable, indicate "open-topic scholarship)	Scholarship co-funded by project PRIN 2022 Prof. ZEMA cod. prog. 2022HSEB7P CUP: H53C24001420006 - From raw matter to functional material: pathways of knowledge in the material culture
Planned period abroad	6 months
Planned period in Company/insitution ecc	Up to 12 months

n. Scholarship (34) - project title (If not applicable, indicate "open-topic scholarship)	Scholarship co-funded by project HORIZON-RIA "GO-FORWARD" Prof. LIOTTA CUP: B73C24001150005- Relationships between fractures and fluid flow in crystalline basement rocks
Planned period abroad	6 months
Planned period in Company/insitution ecc	Up to 12 months

**4. EXAMINATION:**

**Admission procedure:** The selection will take place pursuant to art. 6 lett.B) of the call. The selection will be based on the evaluation of qualifications, a research project (maximum 12,000 characters including spaces) related to the specific topic, an oral exam (discussion of qualifications and the submitted project), and an assessment of foreign language proficiency (English) during the oral exam.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the admission exam in English.



**Calendar and location of the exam:**

**Location** Dipartimento di Scienze della Terra e Geoambientali, University Campus or via TEAMS

1. **Qualifications Rating:** July 31, 2025
2. **Project Rating:** August 1-4, 2025
3. **Oral exam:** August 6-8, 2025

For further information, please visit the website: [www.dindistegegeo.it](http://www.dindistegegeo.it)

## SUMMARY SHEET

### PHD PROGRAM IN ECONOMICS AND FINANCE OF PUBLIC ADMINISTRATIONS

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	13a - Economics and statistics; 12 - Law studies; 13b - Business administration and management
SCIENTIFIC -DISCIPLINAR GROUPS	SECS-P/01, SECS-P/02, SECS-P/03, SECS-P/05, SECS-P/06, SECS-P/07, IUS/05, IUS/09, IUS/10, IUS/12, IUS/21, SEC-S/01, SEC-S/06
COORDINATOR	Prof.ssa Laura Serlenga
ADMINISTRATIVE OFFICE	Dipartimento di Economia e Finanza, Università degli Studi di Bari Aldo Moro
PEC	direttore.dsem@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No
CURRICULA DESCRIPTION	

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	4
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS FUNDED BY RESEARCH PROJECTS	0
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	0

#### 3. PROJECT DESCRIPTION:

Scholarships n.1	open-topic scholarship
Planned period abroad	6 months

Scholarships n.2	open-topic scholarship
Planned period abroad	6 months

Scholarships n.3	open-topic scholarship
Planned period abroad	6 months

Scholarships n.4	open-topic scholarship
Planned period abroad	6 months

#### 4. EXAMINATION:

**Admission procedure:** The selection will take place in accordance with Article 6 letter B of the call. The exam will be based on the evaluation of academic titles and of the PhD project on a topic related to the Doctoral school proposed by the applicant. In addition, the oral exam will consist of a discussion of the PhD project.

The selection of PhD candidates will be carried out considering the academic titles/professional experiences of the applicants as well as an interview. During the interview (oral exam), applicants will also discuss their PhD project (max 4 pages). The candidates are required to submit the PhD project together with the application form. The interview will also be finalized to test proficiency in English language. The interview might be done in videoconference.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates might decide to take the written test and the interview in Italian or in English.

#### Calendar and location of the exam:

##### Calendar:

1. **Qualifications Rating:** 30th of July at 9.00
2. **Project Rating:** 30th of July at 15.00
3. **Oral exam:** 1<sup>st</sup> of August at 9.00

**Location:** Aula V, Dipartimento di Economia e Finanza, Università degli Studi di Bari Aldo Moro, Largo Abbazia Santa Scolastica, 70124 Bari (Italy).

For further information: <https://www.uniba.it/ricerca/dipartimenti/dse/dottorato>

## SUMMARY SHEET

### PhD PROGRAM IN ECONOMICS AND MANAGEMENT

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	13 Economics and statistics
SCIENTIFIC -DISCIPLINAR GROUPS	SECS-P/01, SECS-P/02, SECS-P/03, SECS-P/05, SECS-P/06, SECS-P/07, SECS-P/11, SECS-P/13 and SECS-S/01
COORDINATOR	Prof. Andrea Morone
ADMINISTRATIVE OFFICE	Department of Economic, Management and Business Law
PEC	direzione.demdi@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	YES
CURRICULA DESCRIPTION	<p><b>ECONOMICS</b> Within this curriculum, students are trained in theoretical and empirical research on individual and collective decisions, on the functioning of markets, economic organizations and businesses; the theory of regulation and the problems of competition and coordination between institutions; the economy and industrial organization, public finance and taxation issues and, more generally, the production and service sectors (transport, tourism, energy, environment, etc.).</p> <p><b>MANAGEMENT AND TECHNOLOGY</b>, within this curriculum, study activities of company systems are carried out with the typical approaches of the disciplines of a company matrix with specific reference also to the themes of technological process and product innovation, finance and quality, including the environment, production systems and goods.</p>

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITHOUT SCHOLARSHIP	1

#### 3. PROJECT DESCRIPTION: (divided by type and curriculum, where applicable. If not applicable, indicate "open-topic scholarship" in the first box. The box must be repeated for each scholarship.)

Scholarship n.1	open-topic scholarship
Planned period abroad	6 months

Scholarship n.2	open-topic scholarship
Planned period abroad	6 months

Scholarship n.3	open-topic scholarship
Planned period abroad	6 months

Scholarship n.4	open-topic scholarship
Planned period abroad	6 months

#### 4. EXAMINATION:

**General information:** There will be only one examination and a single ranking list of merit.

The places offered in the competition will be allocated, among the various curricula, according to the order in the merit list, until the places are filled. Scholarship places will be allocated in priority according to the order of the merit list. In the event of the renouncement of successful candidates, the ranking list may be extended.

**Admission procedure:** The selection will take place in accordance with Article 6 letter B of the call.

The examination will consist of a discussion of a research project proposed by the candidate, related to the themes of the PhD program. The project (written in Italian or English, maximum 12,000 characters including spaces) must be submitted along with the application for admission; failure to do so will result in exclusion.

The oral exam will include a discussion of the submitted qualifications and research project, as well as an assessment of the candidate's knowledge of a foreign language (English).

The oral examination for the discussion of the research project may also be conducted online. The request must be made on the PICA platform.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the entrance exam in English.

The oral examination for the discussion of the research project may also be conducted online.

#### Calendar and location of the exam:

1. **Qualifications Rating:** July 30, 2025 at 09:00
2. **Project Rating:** July 30, 2025
3. **Oral exam:** July 31, 2025 from 2:00 PM at the P. E. Cassandro Lecture Hall, (3rd floor - Department Body) - according to the schedule that will be published on the website

For further information, please visit the website: [Dottorato di ricerca in Economia e Management – Economia, Management e Diritto dell'Impresa](#)



## SUMMARY SHEET

### PhD PROGRAM IN PHYSICS

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	02 - Scienze Fisiche
SCIENTIFIC -DISCIPLINAR GROUPS	PHYS-01/A, PHYS-02/A, PHYS-03/A, PHYS-04/A, PHYS-06/A
COORDINATOR	Prof. Domenico Di Bari
ADMINISTRATIVE OFFICE	Interuniversity Department of Physics "M. Merlin"
PEC	direzione.fisica@pec.uniba.it
ORGANIZATION	ASSOCIATED
DURATION	3 years
CURRICULA	YES
CURRICULA DESCRIPTION	Nuclear, Subnuclear and Astroparticle Physics
	Condensed Matter Physics, Photonics and Quantum Technologies
	Applied Physics
	Theoretical Physics

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	9
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	8
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	3
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 (50%) INFN 1 (33%) QSENSATO srl
POSITIONS WITHOUT SCHOLARSHIP	1

#### 3. PROJECT DESCRIPTION

Scholarship n.1	open-topic scholarship - UniBa
Planned period abroad	6 months
Planned period in Company/insitution ecc	Not expected

Scholarship n.2	open-topic scholarship - UniBa
Planned period abroad	6 months
Planned period in Company/insitution ecc	Not expected

<b>Scholarship n.3</b>	open-topic scholarship - UniBa
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Not expected

<b>Scholarship n.4</b>	open-topic scholarship - INFN
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Not expected

<b>Scholarship n.5</b>	open-topic scholarship - INFN
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Not expected

<b>Scholarship n.6</b>	open-topic scholarship - INFN
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	Not expected

<b>Scholarship n.7</b>	<p>The research activity will focus on the development of the vertex detectors for the ePIC and ALICE experiments. Both systems are based on an innovative technology that uses ultra-thin sensors, the size of a wafer, folded in the shape of a semi-cylinder and supported by extremely light structures, such as carbon foam.</p> <p>A significant part of the work will consist in the characterization of the final sensors intended for the construction of the two detectors, whose delivery is scheduled starting from the end of 2025. This characterization will be carried out both through laboratory measurements and through participation in test-beams, with the aim of evaluating the dependence of the detection efficiency and the uniformity of the digital threshold on the internal parameters of the sensor and on the level of irradiation suffered.</p> <p>Another component of the activity will concern the assembly of prototypes of detector layers and the subsequent thermo-mechanical and functional characterization. The extreme thinness of the sensors makes them considerably fragile, requiring delicate handling operations in a clean room environment and the definition of rigorous operating procedures to avoid breakage.</p>
<b>Project title</b>	Performance study of the vertex detector of the ePIC experiment at EIC
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	6 months at INFN Bari

<b>Scholarship n.8</b>	The project aims to train the candidate on the design and optimization of atomic vapor cells for integrated quantum atomic sensors. The applications of interest are optically pumped magnetometers (OPMs), RF sensing, and on-chip atomic frequency references. The student will be part of the AQuTech (Atomic Quantum Technologies) research group led by Prof. Lucivero, while, regarding the period in the company, he/she will collaborate with the team of the spinoff QSENSATO S.r.l. under the co-supervision of the Prototyping C Projects Manager and RCD Scientist. The PhD project aims to integrate theoretical skills in the modeling of quantum atomic sensors with the design and experimental prototyping of vapor cells with 3D versatility and custom geometry. The activities will include the theoretical study of quantum sensing applications such as on-chip atomic frequency references, radio frequency electric field detection, lab-on-chip magnetometry platforms, and the development of arrays for biomedical applications.
<b>Project title</b>	Development of Integrated Vapor Cells for Quantum Sensors
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	12 months at QSENSATO S.r.l - Bari -

#### 4. EXAMINATION:

**General information:** The available positions will be assigned according to the order of the merit ranking, until all positions have been filled.

**Admission procedure:** The selection will take place pursuant to Art. 6, letter C. The selection will be based on the evaluation of qualifications, a research project (maximum 12,000 characters including spaces) related to the specific topic, an oral examination (discussion of the qualifications, the submitted project, and fundamental topics of Physics from the Bachelor's degree in Physics), and an assessment of foreign language proficiency (English), which will be conducted during the oral examination.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the entrance exam in English.

#### Calendar and location of the exam:

1. **Qualifications Rating:** July 30, 2025 10:00 a.m.
2. **Project Rating:** July 30, 2025 at 3:30 p.m.
3. **Oral exam:** July 31, 2025 10:00 a.m.

**Oral exam location:** Interuniversity Department of Physics, Room A, University Campus "E. Quagliariello", via Amendola 173, 70125 Bari, Italy.

For further information, please visit the website: <https://dottorato.fisica.uniba.it/>

ANNEX 11)

SUMMARY SHEET

PhD PROGRAM IN GENDER STUDIES

1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	Area06-Medicine Area08-Civilengineeringandarchitecture Area 10 - Antiquities, philology, literary studies, art history Area 11 - History, philosophy, pedagogy, psychology Area 12 -Law Area 13 - Economicsand statistics Area 14- Politicalandsocial sciences
SCIENTIFIC -DISCIPLINAR GROUPS	06/MEDS-24; 08/CEAR-0G; 08/CEAR-11; 10/ANGL-01; 10/ARTE-01; 10/COMP-01; 10/GERM-01; 10/ITAL-01; 10/PEMM-01; 10/STAA-01; 11/GEOG-01; 11/HIST-02; 11/HIST-03; 11/HIST-04; 11/PAED-01; 11/PHIL-01; 11/PHIL-03; 11/PHIL-04; 11/PHIL-05; 11/PSIC-01; 11/PSIC-02; 11/PSIC-04; 12/GIUR-01; 12/GIUR-06; 12/GIUR-0G; 12/GIUR-17; 13/ECON-01; 13/ECON-02; 13/ECON-04; 13/ECON-0G; 14/GSPS-01; 14/GSPS-02; 14/GSPS-03; 14/GSPS-05; 14/GSPS-06
COORDINATOR	Francesca R. RECCHIA LUCIANI
ADMINISTRATIVE OFFICE	UNIVERSITÀ DI BARI ALDO MORO Dipartimento di Ricercae Innovazione Umanistica
PEC	<a href="mailto:universitabari@pec.it">universitabari@pec.it</a>
ORGANIZATION	ASSOCIATED
DURATION	3years
CURRICULA	YES
CURRICULA DESCRIPTION	<p><u>Philosophical-Political Field:</u> 11/HIST-02 - MODERN HISTORY; 11/HIST-03 - CONTEMPORARY HISTORY; 11/HIST-04 - BOOK AND ARCHIVE STUDIES, HISTORICAL-RELIGIOUS SCIENCES; 11/PHIL-01 - THEORETICAL PHILOSOPHY; 11/PHIL-04 - AESTHETICS AND PHILOSOPHY OF LANGUAGES; 11/PHIL-05 - HISTORY OF PHILOSOPHY; 14/GSPS-01 - POLITICAL PHILOSOPHY; 14/GSPS-02 - POLITICAL SCIENCE; 14/GSPS- 03 - HISTORY OF POLITICAL THOUGHT AND INSTITUTIONS</p> <p><u>Economic, Ethical, and Legal Field:</u> 11/GEOG-01 - GEOGRAPHY; 11/PHIL-03 - MORAL PHILOSOPHY; 12/GIUR-01 - PRIVATE LAW; 12/GIUR-06 - ADMINISTRATIVE AND PUBLIC LAW; 12/GIUR-0G - INTERNATIONAL LAW; 12/GIUR-17 - PHILOSOPHY OF LAW; 13/ECON-01 - ECONOMICS; 13/ECON-02 - ECONOMIC POLICY; 13/ECON-04 - APPLIED ECONOMICS; 13/ECON-0G- FINANCIAL MARKETS, FINANCIAL INSTITUTIONS, CORPORATE FINANCE</p>

Pedagogical, Psychological, and Sociological Field:  
06/MEDS-24 - MEDICAL STATISTICS, HYGIENE, PUB- LIC  
HEALTH, NURSING AND MIDWIFERY-10/STAA-

01 - ANCIENT AND MODERN CULTURES AND LAN-  
GUAGES OF AFRICA AND WESTERN AND CENTRAL  
ASIA 11/PAED-01 - PEDAGOGY AND THE HISTORY OF  
PEDAGOGY AND EDUCATION; 11/PSIC-01 - GENERAL  
PSYCHOLOGY, NEUROPSYCHOLOGY AND COGNI-  
TIVE NEUROSCIENCE, PSYCHOMETRICS; 11/PSIC-  
02 - DEVELOPMENTAL AND EDUCATIONAL PSYCHOL-  
OGY; 11/PSIC-04 - CLINICAL PSYCHOLOGY AND DY-  
NAMIC PSYCHOLOGY; 14/GSPS-05 - GENERAL SOCI-  
OLOGY

Artistic, Literary, Linguistic, and Media Field: 08/CEAR-  
0G - ARCHITECTURAL DESIGN; 08/CEAR-  
11 - ARCHITECTURAL HISTORY AND RESTORATION;  
10/ANGL-01 - ENGLISH AND ANGLO-AMERICAN  
STUDIES; 10/ARTE-01 - ART HISTORY; 10/COMP-01 -  
COMPARATIVE LITERATURE AND LITERARY THEORY;  
10/GERM-01 - GERMANIC PHILOLOGIES, LAN-  
GUAGES, LITERATURES, AND CULTURES; 10/ITAL-01 -  
ITALIAN LITERATURE; 10/PEMM-01 - PERFORMING,  
MUSICAL, CINEMATOGRAPHIC, AND MEDIA ARTS;  
14/GSPS-06 - SOCIOLOGY OF CULTURE AND COM-  
MUNICATION

## 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	22
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	22
POSITIONS WITH UNIBA SCHOLARSHIP	10
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	6
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	4
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	2 (1 annuity for each scholarship)

## 3. PROJECT DESCRIPTION

Scholarship n. 1	Open-topics scholarship
Funding institution	Università degli Studi di Bari Aldo Moro
Planned period abroad	6 months - location to be determined
Scholarship n. 2	Open-topics scholarship



<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 3</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 4</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 5</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 6</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 7</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 8</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. G</b>	Open-topicscholarship
<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 10</b>	Open-topicscholarship
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<b>Fundinginstitution</b>	UniversitàdegliStudidiBariAldoMoro
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Plannedperiodabroad	6 months- location to be determined
Scholarship n. 11	Open-topicscholarship
Fundinginstitution	Regione Puglia
Plannedperiodabroad	6 months- location to be determined
Plannedperiod in Com- pany/insitution ecc	1 to 12 months- at Regione Puglia
Scholarship n. 12	Open-topicscholarship
Fundinginstitution	Regione Puglia
Plannedperiodabroad	6 months- location to be determined
Plannedperiod in Com- pany/insitution ecc	1 to 12 months- at Regione Puglia
Scholarship n. 13	Open-topicscholarship
Fundinginstitution	Regione Puglia
Plannedperiodabroad	6 months- location to be determined
Plannedperiod in Com- pany/insitution ecc	1 to 12 months- at Regione Puglia
Scholarship n. 14	Open-topicscholarship
Fundinginstitution	Regione Puglia
Plannedperiodabroad	6 months- location to be determined
Plannedperiod in Com- pany/insitution ecc	1 to 12 months- at Regione Puglia
Scholarship n. 15	Open-topicscholarship
Fundinginstitution	Universitàdegli Studidella Campania“Luigi Vanvitelli”
Plannedperiodabroad	6 months- location to be determined
Scholarship n. 16 Open-topic scholarship	Open-topicscholarship
Fundinginstitution	Universitàdegli Studi“Magna Graecia” di Catanzaro
Plannedperiodabroad	6 months- location to be determined
Scholarship n. 17	Open-topicscholarship

<b>Fundinginstitution</b>	Universitàdegli Studi di Napoli“Federico II”
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 18</b>	Open-topicscholarship
<b>Fundinginstitution</b>	Università di Roma“La Sapienza”
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 1G- project title: “Norea: gender perspectives in Gnosticism.”</b>	<p>The doctoral project, incardinated on disciplinary area 11/HIST-04, “Norea: Gender Perspectives in Gnosticism” is part of the FIS 2 project “Feminine Metaphors and Allegories: Uncovering Layers of Meaning in Early Christianity” (FEMALE), which investigates the formative role of gendered metaphorical language in shaping roles and social expectations in early Christian literature.</p> <p>The doctoral project specifically focuses on Gnostic texts that depict the figure of Norea, such as The Thought of Norea (NHC IX, 2) and The Hypostasis of the Archons (NHC II, 4). This character, largely overlooked by contemporary scholarship, represents a privileged subject for exploring a wide range of gender-related themes in ancient Christian texts: from the use of symbolic and allegorical language to intertextual connections with both apocryphal and canonical Old and New Testament writings, and to the dialogue with Hellenistic and Late Antique philosophies. Particular attention will also be given to gender-based violence dynamics and the representation of the female role in ancient society.</p>
<b>Fundinginstitution</b>	Università di Roma“La Sapienza”
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 20 - project title: “Beyond genres: biographies, curation and AI in the digital age.”</b>	<p>The doctoral project is a part of the European project Horizon Europe entitled “Virtual Twins as tools for personalized clinical care (VITAL),” Grant Agreement n.101136728, CUP I57G23000520006.</p> <p>The research line, of Sociology of Cultural and Communication Processes (GSPS-06/A), intends to explore the role of AI as a “resource” within the processes of personalization of care. Particular attention will be paid to bring out the dynamics of biographical and relational re-composition mobilized by social actors within precise cultural patterns at the intersection of genders, roles, and health expectations. The project intends to investigate the processes of composition and re-composition of meaning around the practices of auto-surveillance, between expert and lay knowledge, prevention, individual responsibility and preparedness.</p>
<b>Fundinginstitution</b>	Universitàdegli Studi di Pisa
<b>Plannedperiodabroad</b>	6 months- location to be determined

<b>Scholarship n. 21- project title: “Health,</b>	There search project, incardinated in the disciplinary fields ANGL-01/C and PSIC-01/A, will focus on designing a prevention and health
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<b>wellness, lifestyles and the gender gap: how to promote prevention through effective communication</b>	promotion campaign to enhance the support and counseling services already present in the university setting. Particular attention will be paid to the development of effective and inclusive communication strategies capable of reaching different targets and reducing the gender gap in the use of prevention services. The approach taken will be intersectional and attentive to gender dimensions to highlight any inequalities and specificities in the experiences of male and female students.
<b>Co-funding institution</b>	Project ProBenMoEBIUS 2, Notice MUR 1396/2024 (P.I. prof. Antonietta Curci)
<b>Planned period abroad</b>	6 months- location to be determined

  

<b>Scholarship n. 22 - project title: "Back to Work: Inclusive and Sustainable Reemployment Strategies in Businesses"</b>	Acquedotto Pugliese S.p.A. (AQP), as a co-funder of the PhD, intends to promote a line of research applied to the "Back to Work" project, a structured action of the People Care Master Plan, which aims at the smooth reintegration of colleagues returning from long periods of absence (e.g. maternity, illness, parental leave or other personal reasons). The main aim is to study and develop tools, methodologies and policies capable of supporting return to work with a gender-sensitive approach, enhancing competencies and ensuring inclusiveness, organizational well-being and professional continuity
<b>Co-funding institution</b>	AQP Acquedotto Pugliese S.p.A.
<b>Planned period abroad</b>	6 months- location to be determined
<b>Planned period in Company/institution ecc</b>	6 to 12 months- at AQP Acquedotto Pugliese S.p.A.

#### 4. EXAMINATION:

**General information:** The examination tests will be separate for each curriculum, and the respective rankings will merge into a single final ranking list that will provide eligibility. The places put up for competition will be assigned, among the various curricula, according to the order in the merit list, until the places are filled. Places that have not been assigned, due to lack of eligible candidates in one curriculum, will be assigned to candidates found eligible for other curricula, according to the score obtained in the overall ranking. Applicants must indicate their choice of curriculum, under penalty of exclusion from the competition.

**Admission procedure:** The selection will be made in accordance with Article 6 letter B.

The selection will be made on the basis of the evaluation of the qualifications, a research project (maximum 12000 characters including spaces) related to the specific topic, oral test (discussion of the qualifications and the submitted project) and verification of the knowledge of the foreign language (English) during the oral test.

**Procedures for carrying out the tests for foreign candidates:** Foreign applicants may choose to take the entrance exam in English.

It is possible to carry out the competition telematically.

**Calendar and location of the exam:**

1. **QualificationsRating:** July 30- 31, 2025, 9a.m.
2. **Project Rating:** August 01-02, 2025, 9a.m.
3. **Oralexam:** August 05-06, 2025, 9a.m.

**Venue of the oral exam:** University of Bari Aldo Moro, Palazzo Ateneo, Department of Humanities Research and Innovation, 2nd floor, Room C

For further information, please visit the website: <https://www.uniba.it/it/dottorati/gender-studies/gender-studies>

## ANNEX 12)

### SUMMARY SHEET

#### PhD PROGRAM IN SUSTAINABLE LAND MANAGEMENT in agreement with POLITECNICO di BARI

#### 1. GENERAL INFORMATION:

<b>CUN SCIENTIFIC AREAS</b>	Area 02 - Physical Sciences, Area 03 - Chemical Sciences, Area 04 - Earth Sciences, Area 05 - Biological Sciences, Area 07 - Agricultural and Veterinary Sciences, Area 08 - Civil Engineering and Architecture, Area 09 - Industrial and Information Engineering, Area 11 - Historical, Philosophical, Pedagogical and Psychological Sciences.
<b>SCIENTIFIC -DISCIPLINAR GROUPS</b>	07/AGRI-01, 07/AGRI-02, 07/AGRI-03, 07/AGRI-04, 07/AGRI-05, 08/CEAR-01, 08/CEAR-02, 08/CEAR-04, 08/CEAR-05, 08/CEAR-12, 03/CHEM-06, 09/IIND-04, 09/IMAT-01, 09/IEGE-01, 09/IMIS-01, 02/PHYS-01, 02/PHYS-06, 05/BIOS-01, 04/GEOS-03, 11/PAED-01.
<b>COORDINATOR</b>	PROF. FRANCESCO GENTILE
<b>ADMINISTRATIVE OFFICE</b>	Department of Soil, Plant and Food Sciences (DISSPA)
<b>PEC</b>	disspa@pec.uniba.it
<b>ORGANIZATION</b>	ASSOCIATED
<b>AFFILIATED BODY</b>	POLYTECHNIC UNIVERSITY OF BARI
<b>DURATION</b>	3 YEARS
<b>CURRICULA</b>	NO

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

<b>TOTAL NUMBER OF POSITIONS (with and without scholarship)</b>	10
<b>TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP</b>	10
<b>POSITIONS WITH UNIBA SCHOLARSHIP</b>	1
<b>POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION</b>	3 Polytechnic University of Bari
<b>POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS</b>	1 CNR - IREA
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	Total No. 5: No. 1 Company Alberami S.r.l. Benefit Company (33%) No. 1 Company Sfera Informatica C Strumentazione (33%)



	<p>No. 1 Department of Mechanics, Mathematics and Management - Poliba (33%)</p> <p>No. 1 Department of Civil, Environmental, Land, Building and Chemical Engineering - Poliba DUT - MUR Project "PED-oriented urban regeneration: Tailored strategies for JUST energy transition in disadvantaged neighbourhoods (PED-JUST)" CUP: D93C24001610007 (33%)</p> <p>No. 1 Department of Soil, Plant and Food Sciences - Uniba Interreg Project "Strengthening BIOdiversity Preservation through Sustainable Exploitation of the Bioresources CHAIN in the Programme Area (BIOCHAIN)" (33%)</p>
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	

### 3. PROJECT DESCRIPTION:

<b>n. 1 - University of Bari Aldo Moro</b>	Open topic scholarship
<b>Planned period abroad</b>	Max 18 months
<b>Planned period in company/institution</b>	Not expected

<b>n. 2 - Polytechnic University of Bari</b>	Open topic scholarship
<b>Planned period abroad</b>	Max 18 months
<b>Planned period in company/institution</b>	Not expected

<b>n. 3 - Polytechnic University of Bari</b>	Open topic scholarship
<b>Planned period abroad</b>	Max 18 months
<b>Planned period in company/institution</b>	Not expected

<b>n. 4 - Polytechnic University of Bari</b>	Open topic scholarship
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Planned period abroad	Max 18 months
Planned period in company/institution	Not expected

n. 5 - CNR -IREA	Topic: Remote Sensing Techniques for Orchard Monitoring
Planned period abroad	Max 18 months
Planned period in company/institution	12 months at CNR - IREA

n. 6 - Cofinanced by Company Alberami S.r.l. Benefit Company	Topic: Carbon Farming in Mediterranean Agroforestry Systems
Planned period abroad	6 months
Planned period in company/institution	2 months at Alberami S.r.l.

n. 7 - Cofinanced by Company Sfera Informatica Strumentazione	Topic: Machine learning techniques and multisource remote sensing data to understand the effect of wildfire on multifunctionality of forest ecosystems
Planned period abroad	6 months
Planned period in company/institution	3 months at Sfera Informatica C Strumentazione

n. 8 - Cofinanced by Department of Mechanics, Mathematics and Management - Poliba	Open topic scholarship
Planned period abroad	Max 18 months
Planned period in company/institution	To be defined

n. G - Cofinanced by Department of Civil, Environmental, Land, Building and Chemical Engineering - Poliba DUT - MUR Project "PED-oriented urban regeneration: Tailored strategies for JUST energy transition in	Topic: PED-oriented urban regeneration: Tailored strategies for JUST energy transition in disadvantaged neighbourhoods
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disadvantaged neighbourhoods (PED-JUST)” DG3C24001610007	
Planned period abroad	6 months
Planned period in company/institution	Non expected

n. 10 - Cofinanced by No. 1 Department of Soil, Plant and Food Sciences - Uniba Interreg Project “Strengthening Biodiversity Preservation through Sustainable Exploitation of the Bioresources CHAIN in the Programme Area (BIOCHAIN)”	Topic: Strengthening Biodiversity Preservation through Sustainable Exploitation of the Bioresources CHAIN in the Programme Area”
Planned period abroad	Max 18 months
Planned period in company/institution	Non expected

#### 4. EXAMINATION:

**General information:** The positions will be assigned, according to the order in the merit ranking, until the places themselves are filled.

**Admission procedure:** The selection will take place in accordance with art. 6 letter C of the call.

The selection will be based on the evaluation of the qualifications and on an oral test. The knowledge of a foreign language (English) will be evaluated.

When submitting the application, **the candidate must attach a brief research project**, which can be written in Italian or English, with a maximum length of 12,000 characters, spaces included. The research project must be relevant to the themes of the PhD in Sustainable Land Management, and will be discussed during the oral exam. Knowledge of the English language will also be verified during the oral exam.

For positions with an open topic scholarship, the topics covered in the research project are not binding for the identification of the theme that will be developed during the PhD course.

**Failure to submit the project is a reason for exclusion from the competition procedure.**

**Procedures for carrying out the tests for foreign candidates::** Foreign candidates may choose to take the entrance exam in English.

#### Calendar and location of the exam:

1. **Qualifications Rating:** July 30, 2025 9:00 AM
2. **Oral exam:** : 1 August 2025 starting at 9:00 am with a possible continuation on 4 August

2025 starting at 9:00 am until the evaluation of all candidates is completed.

**Oral exam location:** The oral exam will be held at the Department of Soil, Plant and Food Sciences, via Amendola 165/A, 70126 Bari.

Candidates residing abroad and candidates who, for justified reasons, cannot take the oral exam in person can send a request to take the exam online. The letter with the motivated request must be uploaded to the PICA platform together with the application for the competition.

The list of those admitted to the oral exam, the exam calendar and the methods of access to the Teams platform will be published on the doctorate website by 2:00 p.m. on July 31, 2025.

For further information, please visit the website: <https://www.uniba.it/it/dottorati/gst>

## ANNEX 13)

### SUMMARY SHEET

#### PhD PROGRAM IN COMPUTER SCIENCE AND MATHEMATICS

##### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	AREA 01, AREA 09		
SCIENTIFIC -DISCIPLINAR GROUPS	01/MATH-01, 01/MATH-02, 01/MATH-03, 01/MATH-04, 01/MATH-05, 01/INFO-01, 09/IINF-05		
COORDINATOR	Francesca Mazzia		
ADMINISTRATIVE OFFICE	Dipartimento di Informatica		
PEC	<a href="mailto:direzione.di@pec.uniba.it">direzione.di@pec.uniba.it</a>		
ORGANIZATION	ORDINARY		
DURATION	3 years		
CURRICULA	YES		
CURRICULA DESCRIPTION	COMPUTER SCIENCE (Scientific Subject Code: IINFO-01/A- Informatica, IINF-05/A - Sistemi di elaborazione delle informazioni)		
	MATHEMATICS (Scientific Subject Code: MATH-01/B - Mathematics Education and History of Mathematics, MATH-02/A - Algebra, MATH-02/B - Geometry, MATH-03/A - Mathematical Analysis, MATH-03/B - Probability and Mathematical Statistics, MATH-04/A- Mathematical Physics, MATH-05/A - Numerical Analysis)		

##### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	8
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	7
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	1
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 scholarship (33%), 2 scholarship (50%)

POSITIONS FUNDED BY RESEARCH PROJECTS	0
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	1

### 3. PROJECT DESCRIPTION:

Scholarship n. 1 - "open-topic scholarship"	Open topic scholarship
Planned period abroad	6 months
Planned period in Company/institution ecc	-

Scholarship n. 2 - "open-topic scholarship"	
Planned period abroad	6 months
Planned period in Company/institution ecc	

Scholarship n. 3 - "open-topic scholarship"	
Planned period abroad	6 months
Planned period in Company/institution ecc	

Scholarship n. 4 - project title: Algorithms for signal preprocessing, validation, and calibration	The project will focus on the study of numerical algorithms for signal preprocessing, validation, and calibration, also analyzing key metrics such as radiometric accuracy, geometric accuracy, temporal robustness, computational efficiency, and energy consumption. One of the applications will involve the analysis of demosaicing techniques, using both traditional methods (such as bilinear interpolation and intensity difference algorithms) and Artificial Intelligence algorithms, with the goal of reconstructing high-quality images.
Planned period abroad	6 months
Planned period in Company/institution ecc	12 months (Planetek Italia s.r.l.)

Scholarship n. 5 - project title: Quantum machine learning through Tensor Networks	Quantum Machine Learning (QML) has developed by combining machine learning with quantum mechanics, while Tensor Networks (TN) have also become useful in classical machine learning. The intersection of QML and TN promises more expressive and efficient
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	models, but it presents challenges such as parameter optimization in high-dimensional spaces and the lack of a systematic framework for converting TN into quantum circuits. The project aims to develop hybrid architectures that unify the two paradigms, improving the generalization capabilities of models, making parameter optimization more efficient and stable, and creating bridges between quantum circuits and TN representations for interoperability and hybrid compilation.
<b>Planned period abroad</b>	6 months (University Paris Cité)
<b>Planned period in Company/institution etc</b>	6 months (Dot and Media srl -Milano)

<b>Scholarship n. 6 - project title: Secure Human-Centered Generative AI</b>	With the growing spread of Generative Artificial Intelligence (GenAI), it is essential to ensure systems that are safe, ethical, and human-centered. New regulatory frameworks, such as the AI Act, impose obligations to protect individuals and society. GenAI offers significant opportunities but also poses risks that require a multidisciplinary approach. This project aims to define a paradigm—in terms of technological frameworks, techniques, and approaches—for developing GenAI systems that enhance user autonomy, control, and protection without compromising their effectiveness.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/institution etc</b>	6 months (Eulogic NT SpA)

<b>Scholarship n. 7 - project title: Engineering Fair and Socially Responsible Generative AI Systems for Social Cybersecurity</b>	Generative Artificial Intelligence (GenAI) has the potential to transform communication, creativity, and information ecosystems, but it also poses risks to social cybersecurity, including disinformation, synthetic identities, and online manipulation. This project extends software engineering principles to address these socio-technical challenges, with a focus on fairness, transparency, and societal well-being. It will develop methods, tools, and evaluation frameworks to build responsible GenAI systems that safeguard public digital spaces and promote inclusive technological development.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/institution etc</b>	6 months (Eulogic NT SpA)

<b>Position without Scholarship - project title: Development of innovative algorithms for soil moisture estimation from SAR data</b>	The project focuses on the development of innovative algorithms for the estimation of soil moisture using Synthetic Aperture Radar (SAR) data. Soil moisture is a key environmental variable with significant impacts on agriculture and climate studies. SAR offers valuable capabilities for monitoring this parameter due to its all-weather and day-night observation potential. The research will explore advanced signal processing techniques, statistical modeling, and machine
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	learning approaches, potentially including deep learning and data/model fusion methods, to extract accurate soil moisture information from SAR images. The developed algorithms are expected to contribute to environmental monitoring systems and decision support tools for land and water resource management.
Planned period abroad	6 months
Planned period in Company/institution etc	6 months (CNR-IREA, via Amendola 122/D, 70126 Bari)

#### 4. EXAMINATION:

**General information:** Even if the PhD programme is organized in the two curricula mentioned above, the available positions will be assigned according to the ranking obtained by the applicants, until all positions are covered and by taking into account the reserved positions. Thus, the applicants do not have to provide their choice of the curriculum in attachment A), which is an integral part of this call for applications.

**Admission procedure:** The selection will take place by Article 6 letter B of the call. The selection will be based on the evaluation of: academic qualification, the submission of a research project (written in English, maximum 6,000 characters including spaces. If the candidates are interested in the topic of a specific scholarship, they may indicate this in the project, which must be relevant to that specific theme), an oral examination (discussion of the applicant's qualifications and the proposed research), and an assessment of foreign language proficiency (English) during the oral examination. Foreign candidates may choose to take the admission exam in English.

#### Calendar and location of the exam:

1. **Qualifications Rating:** starting from **July 30, 2025**
2. **Project Rating:** starting from **July 30, 2025**
3. **Oral exam:** starting from **August 1, 2025 at 9:30 am**, Room C on the ground floor of the Computer Science Department.

If it is not possible to attend in person, candidates may submit a reasoned request to take the exam remotely. The letter containing the reasoned request, accompanied by a copy of a valid identification document (suitable for international travel), must be sent to the PhD coordinator, Prof. Francesca Mazzia, via email to both addresses: [dottorato.informat@uniba.it](mailto:dottorato.informat@uniba.it) and [dottorato.ricerca@uniba.it](mailto:dottorato.ricerca@uniba.it), starting from **July 25** and no later than **July 26, 2025**, at 11:59 PM (Italian time). Requests received after this deadline, or not properly justified, or not accompanied by a copy of a valid identification document suitable for international travel, will not be considered. The candidate must ensure a stable, uninterrupted internet connection in a quiet environment. The committee will communicate the connection procedures via the website: <http://dottorato.di.uniba.it>. If conditions prevent adequate communication or objective assessment, the committee reserves the right to permanently interrupt and invalidate the exam.

For further information, please visit the website: <http://dottorato.di.uniba.it>

## ANNEX 14)

### SUMMARY SHEET

#### PhD PROGRAM IN LEADERSHIP, EMPOWERMENT AND DIGITAL INNOVATION IN EDUCATION AND LEARNING (LEDIEL)

##### 1. GENERAL INFORMATION:

<b>CUN SCIENTIFIC AREAS</b>	01 - Mathematics and informatics 10 Antiquities, philology, literary studies, art history; 11 - History, philosophy, pedagogy and psychology 13 Economics and statistics		
<b>SCIENTIFIC -DISCIPLINAR GROUPS</b>	FRAN-01/A, LIFI-01/A, PAED-01/A, PAED-02/A, PAED-02/B, PSIC-01/C, PSIC-03/A, PSIC-03/B, M-PSI/07, PSIC-04/A, MATH-01/B, ECON-07/A		
<b>COORDINATOR</b>	Michele Baldassarre		
<b>ADMINISTRATIVE OFFICE</b>	University of Bari - Department of "Scienze della Formazione, Psicologia, Comunicazione (FOR.PSI.COM.)"		
<b>PEC</b>			
<b>ORGANIZATION</b>	ORDINARY	ASSOCIATED X	OF NATIONAL INTEREST
<b>DURATION</b>	3 YEARS		
<b>CURRICULA</b>	YES	No	X
<b>CURRICULA DESCRIPTION</b>			

##### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

<b>TOTAL NUMBER OF POSITIONS (with and without scholarship)</b>	8
<b>TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP</b>	7
<b>POSITIONS WITH UNIBA SCHOLARSHIP</b>	3
<b>POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION</b>	2
<b>POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS</b>	0
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	2 (for each scholarship n.1 YEAR co-financed)
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	0
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	0

POSITIONS WITHOUT SCHOLARSHIP	
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### 3. PROJECT DESCRIPTION:

Scholarship n.1 - <i>“Faculty Development: theories, teaching strategies and new technologies to qualify learning processes in the university context”</i>	The course develops Faculty Development and explores theories, teaching strategies and new technologies to qualify the teaching-learning process in the university context. The interest is to investigate how it is possible to contribute to developing transversal competences in university students, making use of specific teaching strategies and devices considered effective by national and international research.
Headquarters	University of Bari Aldo Moro
Planned period abroad	6 months
Planned period in Company/insitution ecc	NO

Scholarship n.2 - <i>“MixEd: Exploring the potential, benefits and challenges of Mixed Reality in educational contexts”</i>	The research project aims to explore the potential and educational benefits of integrating Mixed Reality (MR) technologies into educational pathways, contributing to the development of more effective and inclusive teaching methodologies. The project will investigate not only the effectiveness of MR technologies in terms of learning outcomes, but also their sustainability and scalability in the educational context, considering aspects such as costs, teacher training and the necessary technological infrastructure.
Headquarters	University of Bari Aldo Moro
Planned period abroad	6 months, not obligatory
Planned period in Company/insitution ecc	NO

Scholarship n.3 - <i>“Generative Artificial Intelligence methodologies and tools for a new science of learning”</i>	This research project aims to define new AI-based methodologies and tools to revolutionise teaching and learning, creating truly personalised, inclusive and engaging learning paths. AI will make it possible to objectively assess skills, generate ad hoc teaching materials and reduce cognitive load through extended reality and gamification. The research will address significant technological and educational challenges, while maintaining an ethical and human-centred vision, with significant spin-offs for education as well.
Headquarters	University of Bari Aldo Moro
Planned period abroad	6 months
Planned period in Company/insitution ecc	NO

Scholarship n.4 - “Sustainability and communication for reliable and transparent information that facilitates the adoption of technologically and environmentally superior products by businesses and consumers”	The project intends to deepen the planning and implementation actions of corporate projects in line with the 2030 Agenda (declined in 169 targets on economic, social and environmental areas) that need dedicated communication and valorisation activities aligned with international reporting standards and able to involve and motivate the various stakeholders of the organisation.
Headquarters	University of Bari Aldo Moro
Planned period abroad	6 months
Planned period in Company/insitution ecc	6 months At Forethinking srl Società Benefit - via Amendola, 219, cap. 70126, Bari (BA)

Scholarship n.5 - “Educating on relationships through immersive digital environments, conversational technologies and playful-sports dynamics in the Verse Room”	The research project aims to explore the potential of immersive digital environments, specifically within a "Verse Room", as innovative contexts for interpersonal relationship education. The investigation will focus on the design and testing of training courses that integrate advanced conversational technologies (such as empathetic chatbots or interactive virtual agents) and collaborative playful-sports dynamics. The aim is to develop and validate pedagogical models that, by exploiting the immersiveness and interactivity of the Verse Room, can enhance socio-emotional skills, empathy, effective communication and constructive conflict management. The aim is to analyze how these digital experiences can foster individual and group empowerment, while promoting positive and inclusive leadership within educational and training contexts. The research will also indicate the impact of these learning methodologies on students' motivation and psychological well-being, providing concrete indications for the effective integration of digital innovations in educational processes aimed at developing relational skills.
Headquarters	University of Bari Aldo Moro
Planned period abroad	6 months
Planned period in Company/insitution ecc	6 months At Dotslot - viale dei Promontori, 440, cap. 00122, Roma (RM)

Scholarship n.6 - “Pedagogy and didactics of training systems, for the development of leadership, empowerment and relationship skills”	The project intends to study and fine-tune innovative pedagogical models and educational methodologies with the aim of monitoring their effectiveness in increasing leadership, empowerment and relational competences with particular reference to intentionally formal and non-formal learning contexts through targeted and validated strategies.
Headquarters	University of Foggia
Planned period abroad	6 months
Planned period in	NO



Company/insitution ecc	
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Scholarship n.7 - <i>“Teacher Education and learning innovation. Teacher training as a keystone for promoting educational innovation capable of activating significant learning”</i>	The research project aims to address the challenge of developing teacher professionalism capable of translating didactic innovation into daily practice. Didactic innovation involves conceiving and implementing actions that respond to the formative needs of a specific context, stimulating creative and meaningful learning in students, making knowledge transferable and part of their individual toolkit. To transform this idea into professional practice, a teacher is needed who can combine didactic, critical-reflective, and heuristic competencies through strategic intelligence, capable of relating to fluid and multifaceted contexts. Such a complex professionalism requires a training pathway that adequately supports future teachers, offering them a significant and creative learning experience. The candidate will be required to undertake an exhaustive analysis of international literature on the new needs of Teacher Education, identify emerging needs from the Italian context, and design, implement, and evaluate a coherent training action. The research's impact is expected in terms of accelerating and optimizing the processes of teacher professional development, and the results will be disseminated through the training action, scientific and popular publications (including open access), and digital channels.
Headquarters	University of Verona
Planned period abroad	6 months
Planned period in Company/insitution ecc	NO

Position without scholarship: <i>“Pedagogical innovations for inclusion: an analysis of the intersections between disability, affectivity and emotional education in educational and training environments”</i>	The PhD project aims to explore and develop innovative pedagogical approaches that promote the inclusion of students with disabilities, including through new ICT. The aim is to design pedagogical interventions aimed at improving the inclusion and well-being of students with disabilities; to create teaching materials and training resources that specifically address the intersections between disability, affectivity and emotional education; and to implement programmes in schools and/or training institutions to test the effectiveness of the proposed interventions.
Headquarters	University of Bari Aldo Moro
Planned period abroad	6 months
Planned period in Company/insitution ecc	NO

#### 4. EXAMINATION:

**General information:** The examinations will be separate for each curriculum and the respective rankings will merge into a single final ranking list giving eligibility for admission. The positions available will be allocated, among the various curricula, according to the order in the merit list, until the positions are filled.



Positions that have not been allocated, due to a lack of successful candidates in one curriculum, will be allocated to successful candidates in other curricula, according to the score obtained in the general ranking.

**Admission procedure:** The selection will take place in accordance with art. 6 letter B of the call.

The selection will take place on the basis of the evaluation of the titles, a research project (maximum 12,000 characters including spaces) relating to the specific topic (the project must include four sections: 1) state of the art and objectives of the project, 2) Methodology, 3) expected results, 4) potential threats to the success of the project), an oral test in presence (discussion of the qualifications and the project presented) and verification of the knowledge of the foreign language (English) during the oral test. Admission to the oral interview is subject to successful evaluation of the research project.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the entrance examination in English.

**Calendar and location of the exam:**

1. Opening of proceedings (committee only) with assessment of qualifications and evaluation of projects: 04 August 2025 at 9:00 a.m.
2. Publication of the admitted candidates to the oral test: 05 August 2025, on the website: <https://www.uniba.it/ricerca/dipartimenti/forpsicom/didattica/formazione-postlaurea/dottorato>.
3. Oral test: 06 August 2025 at 9:00 a.m.

For further information, please visit the website:  
<https://www.uniba.it/it/ricerca/dipartimenti/forpsicom/didattica/post-laurea/dottorati-di-ricerca/dottorato-ricerca-lediel/dottorato-lediel>

## ANNEX 15)

### SUMMARY SHEET

#### PhD PROGRAM IN LITERATURE, LANGUAGES AND ARTS

##### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	10 - Antiquity Studies, Philology, Literary Studies, Art History
SCIENTIFIC -DISCIPLINAR GROUPS	L-FIL-LET/02, L-FIL-LET/09, L-FIL-LET/10, L-FIL-LET/11, L-FIL-LET/13, L-FIL-LET/14, L-LIN/01, L-LIN/02, L-LIN/03, L-LIN/04, L-LIN/05, L-LIN/07, L-LIN/10, L-LIN/11, L-LIN/12, L-LIN/13, L-LIN/21, L-ART/01, L-ART/02, L-ART/03, L-ART/05, L-ART/06, L-ART/07, M-GGR/01.
COORDINATOR	Olimpia Imperio
ADMINISTRATIVE OFFICE	Department of Humanities Research and Innovation
PEC	direzione.dirium@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 Years
CURRICULA	YES
CURRICULA DESCRIPTION	1. Literary Studies and Philology
	2) Language Studies, Linguistics and Translation
	3) Art, Theatre, Music and Performance Studies

##### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	4
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS FUNDED BY RESEARCH PROJECTS	0

POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	0

### 3. PROJECT DESCRIPTION:

n. 4 open-topic scholarships	The proposed research project must align with one of the academic fields represented within the PhD board
Planned period abroad	6 months
Planned period in Company/insitution ecc	Not planned

### 4. EXAMINATION:

**General information:** The entrance exams will be specific to each curriculum, and the respective rankings will be merged into a single final merit ranking, which will determine admission eligibility. The available places will be allocated among the various curricula according to the order of the final merit ranking, until all available positions are filled. Any places not assigned due to a lack of eligible candidates in a given curriculum will be reallocated to eligible candidates from other curricula, based on their score in the overall ranking. Candidates must indicate their chosen curriculum; failure to do so will result in exclusion from the selection process.

**Admission procedure:** The selection will take place in accordance with Art. 6 letter B.

The selection will be based on the evaluation of qualifications, a research project (maximum 12,000 characters including spaces) related to the topic chosen by the candidate within the scientific-disciplinary sectors represented by the PhD board, an oral examination (discussion of the qualifications and the submitted research project), and an assessment of the candidate's knowledge of a foreign language (English), which will take place during the oral examination.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the admission exam in English

#### Calendar and location of the exam:

1. **Qualifications Rating:** July 31<sup>st</sup> at 9:00 AM
2. **Project Rating:** August 1<sup>st</sup> at 9:00 AM
3. **Oral exam:** August 4<sup>th</sup> at 9:00 AM

**Oral exam location:** Room 8 - second floor, Palazzo Lingue, via Garruba 6 - Bari

For further information, please visit the website: (PhD website)

<https://www.uniba.it/it/dottorati/lettere-lingue-arti>

## ANNEX 16)

### SUMMARY SHEET

#### PhD PROGRAM IN METABOLISM, AGING AND SOCIAL MEDICINE

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	05 - Biological sciences; 06 - Medical Sciences; 07 - Agricultural and veterinary sciences
SCIENTIFIC -DISCIPLINAR GROUPS	MED/04; MED/06; MED/07; MED/09; MED/11; MED/13; MED/18; MED/28; MED/36; MED/40; MED/43; MED/44; MED/46; MED/50; AGR/15; BIO/10; BIO/18; VET/04.
COORDINATOR	Prof. Antonio Moschetta
ADMINISTRATIVE OFFICE	Interdisciplinary Department of Medicine - p.zza G. Cesare n.11 - 70124 Bari
PEC	direzione.dim@pec.uniba.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No
CURRICULA DESCRIPTION	--

#### 2. POSITIONS OPEN FOR APPLICATION:

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	-
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	-
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	-
POSITIONS FUNDED BY RESEARCH PROJECTS	-
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	-
POSITIONS WITHOUT SCHOLARSHIP	1

#### 3. PROJECT DESCRIPTION:

n.4 positions with Scholarship	open-topic scholarship
Planned period	6 months

abroad	
Planned period in Company/insitution ecc	-

#### 4. EXAMINATION:

**General information:** The places put up for competition will be assigned according to the order in the merit ranking, until the places themselves are filled.

#### Admission procedure:

The selection will take place in accordance with Article 6 letter B of the call for applications. The examination will be based on the assessment of the qualifications, the research project proposed by the candidate (to be sent with the application), and an oral exam. The latter will be aimed at discussing the research project submitted as well as verifying general knowledge of the topics to which the project refers.

The Project, written in Italian or English, must be attached, under penalty of exclusion, to the application and must not exceed 12,000 characters in length, including spaces.

During the oral test, knowledge of the English language will also be tested.

#### Procedures for carrying out the tests for foreign candidates:

Foreign candidates may choose to take the same admission tests in Italian or in English. If necessary, the tests will take place telematically on a Microsoft Teams platform.

#### Calendar and location of the exam:

1. **Qualifications Rating:** 31 July 2025, 9:30 am
2. **Project Rating:** 04 August 2025, 9:30 am
3. **Oral exam:** 02 August 2025, 9:00 am
4. **Location:** Frugoni Hall - Interdisciplinary Department of Medicine, c/o Bari Polyclinic (Pad. Chini), p.zza G. Cesare n.11 - 70124 Bari

For further information, please visit the website:  
<https://www.uniba.it/it/ricerca/dipartimenti/dim/didattica/dottorato>

## ANNEX 17)

### SUMMARY SHEET

#### PhD PROGRAM IN APPLIED NEUROSCIENCES

##### 1. GENERAL INFORMATION:

<b>CUN SCIENTIFIC AREAS</b>	05 (BIOLOGICAL SCIENCES), 06 (MEDICAL SCIENCES), 11(HISTORY, PHILOSOPHY, PEDAGOGY AND PSYCHOLOGY Sciences), 02 (PHYSICAL SCIENCES)
<b>SCIENTIFIC -DISCIPLINAR GROUPS</b>	<p><b>Curriculum 1) Basic Sciences:</b> 05/BIOS-06, 05/BIOS-07, 05/BIOS-08, 05/BIOS-09, 05/BIOS-10, 05/BIOS-12, 05/BIOS-13, 11/PSIC-01 e 02/PHYS-06.</p> <p><b>Curriculum 2) Clinical Sciences:</b> 06/MEDS-02, 06/MEDS-07, 06/MEDS-11, 6/MEDS-12, 06/MEDS-15, 06/MEDS-17, 06/MEDS-18, 06/MEDS-19, 06/MEDS-20, 06/MEDS-26, 11/PSIC-01, 06/MEDF-01.</p>
<b>COORDINATOR</b>	Prof.ssa Tiziana Maria COCCO
<b>ADMINISTRATIVE OFFICE</b>	Department of Translational Biomedicine and Neuroscience
<b>PEC</b>	
<b>ORGANIZATION</b>	ORDINARY
<b>DURATION</b>	3 years
<b>CURRICULA</b>	YES
<b>CURRICULA DESCRIPTION</b>	<p>The PhD course is a multidisciplinary and translational PhD in neuroscience, organised into two curricula</p> <p><b>Curriculum 1) Basic Sciences:</b></p> <ul style="list-style-type: none"> <li>- Studies of neuronal function in cellular models (focus on stem-cell-based differentiation techniques) and in animals, by analyzing molecular and metabolic pathways, genetic determinants and neuronal and glial physiology under physio-pathological conditions.</li> <li>- Studies on alterations in the molecular, cellular, physiological and pathophysiological mechanisms of plasticity and adaptation in the central and peripheral nervous systems, present in patients even in the early stages of neurological, neurodegenerative and psychiatric diseases. This is achieved through anatomical, functional and molecular approaches, employing methods such as functional genomics, behavioural genetics, transcriptomics, proteomics, machine learning, network science, functional neuroimaging, neurophysiology and electrophysiology. Studies also examine the neural basis of cognitive and behavioural functions in humans. This curriculum aims to train researchers and/or biotechnologists for employment in</li> </ul>



	<p>universities, public or private research centers, the healthcare sector and industry. At the end of the PhD course, these professional figures will be able to plan a research project, from theoretical assumptions to experimental design, and autonomously manage the data collection phase, solving any problems that arise from integrating technologies and methodologies characteristic of an interdisciplinary approach. They will also be able to evaluate the results achieved and possible further developments, including innovative technological applications.</p> <p><b>Curriculum 2) Clinical Sciences:</b></p> <p>The study of psychiatric and neurological disorders using brain imaging techniques, such as functional magnetic resonance imaging (fMRI) and computed tomography. The focus is on diagnosis, treatment and rehabilitation, and the aim is to train researchers to have advanced clinical neuroscience and neuroimaging skills.</p> <p>The study of cognitive and affective neuroscience focuses on the relationship between the mind and the brain in the context of new methods for preventing, diagnosing and rehabilitating cognitive and affective disorders that can arise throughout life. This curriculum provides knowledge for neuroscience research, including research methods such as brain imaging and behavioural techniques, as well as the application of these studies to the prevention, diagnosis, and rehabilitation of cognitive disorders.</p> <p>The curriculum aims to prepare physicians and psychologists for professional roles in academia, healthcare or industry. Trained researchers will be able to evaluate the results achieved during the studies and consider possible further developments, including innovative applications in clinical and rehabilitation settings.</p>
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## 2. POSITIONS OPEN FOR APPLICATION

### FOR CURRICULUM 1) BASIC SCIENCES:

TOTAL NUMBER OF POSITIONS (with and without scholarship)	3
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	3
POSITIONS WITH UNIBA SCHOLARSHIP	2
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1
POSITIONS FUNDED BY RESEARCH	0

<b>PROJECTS</b>	
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	0
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	0

#### FOR CURRICULUM 2) CLINICAL SCIENCES:

<b>TOTAL NUMBER OF POSITIONS (with and without scholarship)</b>	3
<b>TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP</b>	2
<b>POSITIONS WITH UNIBA SCHOLARSHIP</b>	1
<b>POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION</b>	0
<b>POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS</b>	0
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	1
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	0
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	0
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	1

#### 3. PROJECT DESCRIPTION:

##### FOR CURRICULUM 1) BASIC SCIENCES:

<b>n. 2 Scholarship</b>	Open-topic scholarship
<b>Planned period abroad</b>	Number of months: at least six (6)
<b>Planned period in Company/insitution ecc</b>	Non applicabile

<b>n. 1 Scholarship (es.1) - project title "Deciphering Early AD Progression via Olfactory System and AQP4 dynamics"</b>	<p><b>Short summary of the research project:</b></p> <p>Sensory systems, especially olfaction, may reflect brain health, serving as early indicators of neurodegenerative diseases like Alzheimer's disease (AD). Olfactory dysfunction often precedes cognitive symptoms and correlates with AD pathology in the olfactory epithelium and bulb. This project hypothesizes a key role for the lymphatic system—specifically Aquaporin-4 (AQP4) isoforms—in early olfactory deficits in AD. Using AQP4 isoform-specific knockout mice crossed with 5xFAD AD models, we will investigate AQP4's contribution to lymphatic clearance, neurovascular coupling, and</p>
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	early AD pathophysiology. This study may reveal novel biomarkers and mechanisms in AD's pre-symptomatic stages.
Planned period abroad	Number of months: at least six (6)
Planned period in Company/insitution ecc	Non applicabile

## FOR CURRICULUM 2) CLINICAL SCIENCES:

n. 1 Scholarship	Open-topic scholarship
Planned period abroad	Number of months: at least six (6)
Planned period in Company/insitution ecc	Non applicabile

n. 1 Scholarship (es.1) - project title " <i>Study of Airway Inflammation Using Non-Invasive Techniques</i> "	<p><b>Short summary of the research project:</b></p> <p>Implementing inflammatory endotyping in respiratory diseases enables more effective patient stratification, supports precision therapy, and reduces the costs associated with overtreatment. This project aims to characterize the cellular and biomolecular endotypes of asthma, COPD, interstitial lung diseases, sleep-related breathing disorders, neuromuscular diseases (e.g., ALS), tuberculosis, and infectious airway conditions through non-invasive methods: induced sputum, nasal cytology, FeNO, and analysis of cytokines and oxidative stress markers in surfactants, nasal secretions, and exhaled breath condensate.</p> <p>A more accurate definition of inflammatory endotypes may revolutionize therapeutic strategies, enabling personalized, more effective, and sustainable interventions with tangible benefits for prognosis and patients' quality of life.</p>
Planned period abroad	Number of months: at least six (6)
Planned period in Company/insitution ecc	Non applicabile

n. 1 Positions without Scholarship	Open-topic scholarship
Planned period abroad	Number of months: at least six (6)
Planned period in Company/insitution ecc	Non applicabile

## 4. EXAMINATION:

**General information:** Each curriculum will have its own examinations, and the resulting individual rankings will be combined to create a single final ranking list. This will determine eligibility for admission. Places put up for competition will be assigned according to the order in the merit ranking, until they are filled. Any places that have not been assigned due to a lack of suitable candidates for a particular curriculum will be offered to candidates who are suitable for other curricula, based on their

score in the general ranking. Candidates must indicate their choice of curriculum. Otherwise, they will be excluded from the competition.

**Admission procedure:** Selection will be conducted in accordance with Article 6(B) of the call for applications. Selection will be based on evaluation of qualifications, a research project relating to the specific topic (maximum 12,000 characters including spaces), an oral test and verification of English language proficiency.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates can do the exam in Italian or in English.

**Calendar and location of the exam:**

1. **Qualifications Rating:** WEDNESDAY, JULY 30, 2025, at 10:00 AM
2. **Project Rating:** THURSDAY, JULY 31, 2025, at 10:00 AM
3. **Oral exam:** MONDAY, AUGUST 4, 2025, at 10:00 AM
4. **Venue of the exams:** Classroom “A” - “New Complex of Biomedical Sciences” - Policlinico Consorziale di Bari - Piazza Giulio Cesare, 11 - Bari - 70124.

For further information, please visit the website:

<https://www.uniba.it/it/ricerca/dipartimenti/dibrain>

## ANNEX 18)

### SUMMARY SHEET

#### PhD PROGRAM IN ARCHAEOLOGICAL, HISTORICAL, ARCHITECTURAL AND LANDSCAPE HERITAGE OF THE MEDITERRANEAN AREA: INTEGRATED SYSTEMS OF KNOWLEDGE, DESIGN, PROTECTION AND ENHANCEMENT

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	08, 10, 11		
SCIENTIFIC -DISCIPLINAR GROUPS	ARCH-01/A; ARCH-01/C; ARCH-01/D; ARCH-01/E; ARCH-01/F; ARCH-01/G; ASIA-01/A; STAA-01/B; STAA-01/E; STAA-01/F; STAN-01/A; STAN-01/B; ARTE-01/A; ARTE-01/B; ARTE-01/C; ARTE-01/D; CEAR-06/A; CEAR-08/A; CEAR-08/B; CEAR-08/D; CEAR-09/A; CEAR-09/B; CEAR-09/C; CEAR-10/A; CEAR-11/A; CEAR-11/B; CEAR-12/B; CEAR-03/C; SDEA-01/A; PAED-01/A; PSIC-04/B; HIST-01/A; HIST-02/A; HIST-03/A; HIST-04/D		
COORDINATOR	Prof. Giuliano Volpe		
ADMINISTRATIVE OFFICE	University of Bari “Aldo Moro”		
PEC	<a href="mailto:universitabari@pec.it">universitabari@pec.it</a>		
ORGANIZATION	<del>ORDINARY</del>	<u>ASSOCIATED</u> <u>X</u>	OF NATIONAL INTEREST
DURATION	3 years		
CURRICULA	<u>YES</u>	No	
CURRICULA DESCRIPTION	Archaeological, Historical, Architectural and Landscape Heritage: Methods and Techniques of Knowledge		
	Archaeological, Historical, Architectural and Landscape Heritage: Methods and Techniques of Design		
	Archaeological, Historical, Architectural and Landscape Heritage: Methods and Techniques of Participation and Inclusion		

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	20
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	20
POSITIONS WITH UNIBA SCHOLARSHIP	13
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	7
POSITIONS FULLY FUNDED BY	

EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	2
POSITIONS WITHOUT SCHOLARSHIP	

### 3. PROJECT DESCRIPTION:

2.	UniBa scholarship	open-topic	
3.	UniBa scholarship	open-topic	
4.	UniBa scholarship	open-topic	
5.	UniBa scholarship	open-topic	
6.	UniBa scholarship	open-topic	
7.	UniBa scholarship	open-topic	
8.	UniBa scholarship	open-topic	
G.	UniBa scholarship	open-topic	
10.	UniBa scholarship	open-topic	
11.	UniBa scholarship	open-topic	
12.	UniBa scholarship	open-topic	
13.	UniBa scholarship	open-topic	
14.	UniBa Scholarship- Project title: RENEL South - Religious Networks and Landscapes: Southern Italy from the Republican to the Roman Imperial Age		Research within the framework of the RENEL South project (Religious Networks and Landscapes: Southern Italy from the Republican to the Roman Imperial Age), focusing on a digital and quantitative study of cult places in Apulia, Basilicata, and Calabria from the 5th century BCE to the 4th-5th century CE. The project involves spatial and social network analysis to understand religious plurality shaped by both natural and human-modified landscapes and diverse cultural identities in Southern Italy. It also aims to promote cultural heritage and religious and cultural diversity through educational activities, research, and public engagement, targeting both academic and general audiences on a national and international level.



15.	PoliBa scholarship	open-topic	
16.	PoliBa scholarship	open-topic	
17.	PoliBa scholarship	open-topic	
18.	CNR scholarship	open-topic	
1G.	CNR scholarship	open-topic	
20.	UniNa scholarship	open-topic	
21.	UniOr scholarship	open-topic	
Planned period abroad		Yes - 6 months	
Planned period in Company/insitution ecc		NO	

#### 4. EXAMINATION:

##### General information:

A single admission procedure and merit ranking will be applied. The available positions will be assigned to the three curricula based on ranking order until all positions are filled. Candidates must indicate their chosen curriculum; failure to do so will result in exclusion from the selection process.

##### Admission procedure:

Pursuant to Art. 6, letter B of the call for applications.

The admission exam consists of the evaluation of qualifications, the research proposal submitted by the candidate, and an interview, including an assessment of foreign language proficiency (English, French, or Spanish). The interview will preferably take place in person but may be conducted online upon a motivated request. Candidates may submit up to two reference letters from scholars in the relevant field along with their research proposal. Research project guidelines (max 16,000 characters):

- 1.1 Title
- 2.1 Keywords (5)
- 2.2 Project description
  - 2.2.a State of the art
  - 2.2.b Objectives
  - 2.2.c Methodology
  - 2.2.d Expected outcomes
- 2.3 Bibliographic references

##### Procedures for carrying out the tests for foreign candidates:

Foreign applicants may choose to take the exam in Italian, English, French, or Spanish.

The selection will be based on qualifications, the submitted research proposal, and an interview. Candidates must demonstrate proficiency in a language other than their native one, as well as sufficient knowledge of Italian. Up to two reference letters may be submitted.

If in-person participation is not possible, a motivated request for remote participation must be uploaded to the PICA platform together with the application. The Exam Board will provide technical instructions accordingly.

**Calendar and location of the exam:**

1. **Qualifications Rating:**  
July 30, 8:00-20:00: Italian degrees  
August 1, 8:00-14:00: Foreign degrees
2. **Project Rating:**  
July 31, 8:00-20:00: Italian candidates  
August 1, 14:30-20:00: Foreign candidates
3. **Oral exam:**  
August 4-5, 9:00-19:00: Italian candidates  
August 6, 9:00-15:00: Foreign candidates

**Interview venue:**

Santa Teresa dei Maschi, Via Torretta, Old Town, Bari

For further information, please visit the website: 🖱️

<https://www.uniba.it/it/dottorati/pasapm>

## ANNEX 1G)

### SUMMARY SHEET

#### PhD PROGRAM IN HISTORICAL AND PHILOSOPHICAL HERITAGE FOR SUSTAINABLE INNOVATION

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	10 Antiquities; Philology; Literary Studies; Art History 11 - History, Philosophy, Pedagogy and Psychology		
SCIENTIFIC -DISCIPLINAR GROUPS	11/PHIL-01 (theoretical philosophy); 11/PHIL-03 (moral philosophy); 11/PHIL-04 (aesthetics and philosophy of languages); 11/PHIL-05 (history of philosophy); 11/PHIL-02 (logic, philosophy and history of science and technology); 10/STAN-01 (Greek and Roman history); 11/HIST-01 (medieval history); 11/HIST-02 (modern history); 11/HIST-03 (contemporary history); 11/HIST-04 (book, document and historical-religious sciences)		
COORDINATOR	Prof. Francesco Paolo de Ceglia		
ADMINISTRATIVE OFFICE	Dipartimento di RICERCA E INNOVAZIONE UMANISTICA		
PEC	francescopaolo.deceglia@pec.it		
ORGANIZATION	ORDINARY	ASSOCIATED	OF NATIONAL INTEREST
	X		
DURATION	3 years		
CURRICULA	YES X		No
CURRICULA DESCRIPTION	HISTORICAL DISCIPLINES. Scientific-disciplinary fields: STAN-01/A (Greek history), STAN-01/B (Roman history), HIST-01/A (medieval history), HIST-02/A (modern history), HIST-03/A (contemporary history), HIST-04/B (history of Christianity and churches), HIST-04/D (Paleography, Diplomatics); HIST-04C (Archival, Bibliography and Library Science).		
	PHILOSOPHICAL DISCIPLINES. Scientific-disciplinary fields: PHIL-01/A (theoretical philosophy); PHIL-03/A (moral philosophy); PHIL-04/A (aesthetics), PHIL-05/A (history of philosophy), PHIL-05/B (history of ancient philosophy); PHIL-05/C (history of medieval philosophy), PHIL-02/B (history of science and techniques); PHIL-02/A (Logic and Philosophy of Science).		

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	No. 5
----------------------------------------------------------	-------

TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	No. 5
POSITIONS WITH UNIBA SCHOLARSHIP	No. 3, one of which reserved for graduates from universities abroad
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	No. 2
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	No. 1
POSITIONS WITHOUT SCHOLARSHIP	

### 3. PROJECT DESCRIPTION:

Scholarship n. 1:	Open-topic scholarship reserved for applicants for the “Historical Disciplines” curriculum
Open-topic scholarship	
Planned period abroad	6 months
Planned period in Company/insitution etc	

Scholarship n. 2	Open-topic scholarship reserved for applicants, graduates from universities abroad, for the “Historical Disciplines” curriculum
Open-topic scholarship	
Planned period abroad	6 months
Planned period in Company/insitution etc	

Scholarship n. 3	Open-topic scholarship reserved for applicants for the “Philosophical Disciplines” curriculum
Open-topic scholarship	
Planned period abroad	6 months
Planned period in Company/insitution etc	

Scholarship n. 4	Co-funded scholarship reserved for applicants for the “Philosophical Disciplines” curriculum
Epistemology of artificial intelligence: developing	The project aims to critically explore the epistemological and ethical challenges posed by the use of AI in a growing number of fields,

<b>operational frameworks for ethical implementation in decision-making contexts in a pluralistic world</b>	including industry, with a focus on advanced manufacturing sectors and digital services. Objectives of the research are: 1. To draw a historical-critical review of the most recent acquisitions of AI, particularly in the area of decision-making processes. 2. To identify the main epistemological and ethical dilemmas arising from the application of AI systems in the industrial sector in the light of concrete case studies. 3. Develop policy briefs, practical guidelines and decision-making frameworks to support business decision-making processes, which, in an increasingly complex and pluralistic world, take into account effectiveness and operational sustainability.
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	6 months at SFERA INFORMATICA C STRUMENTAZIONE S.r.l. (Bari)

<b>Scholarship n. 5</b>	<b>Co-funded scholarship reserved for applicants for the “Philosophical Disciplines” curriculum</b>
<b>Thinking about the city. Philosophy, urban imageries, regeneration practices</b>	The project aims to explore the most recent developments and elaborations of the concept of city, meant not only as a physical space, but as a purveyor of meanings, practices, tensions and possibilities. In an era marked by massive urbanisation, gentrification, migration, environmental crises and inequalities, reflecting on the city means questioning the very conditions of coexistence and sociality. The main themes of the research will be, from a theoretical point of view, the concepts of space, place, community, social identity, justice, sustainability and citizenship, and, from a practical point of view, the contemporary models of urban regeneration and the production of new configurations of the public space..
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	6 months at the Municipality of Corato

#### 4. EXAMINATION:

##### General information:

The examination tests will be separate for each curriculum, and the respective rankings will merge into a single final ranking list that will provide eligibility.

The places put up for competition will be assigned, among the various curricula, according to the order in the merit list, until the places are filled.

Places that have not been assigned, due to lack of eligible candidates in one curriculum, will be assigned to candidates found eligible for other curricula, according to the score obtained in the overall ranking.

Applicants must indicate their choice of curriculum, under penalty of exclusion from the competition

##### Admission procedure:

The selection will be made in accordance with Article 6 lect. B of the notice of competition.

The selection will be made on the basis of the evaluation of the qualifications, a research project (maximum 12000 characters including spaces) related to the specific topic, oral test (discussion of the qualifications and the submitted project) and verification of the knowledge of the foreign language

(English) during the oral test.

**Procedures for carrying out the tests for foreign candidates:**

Foreign applicants may choose to take the entrance exam in English.

**Calendar and location of the exam:**

1. **Qualifications Rating:** July 30, 2025, 9 a.m.
2. **Project Rating:** : July 31, 2025, 9 a.m.
3. **Oral exam:** August 1, 2025, 9. a.m.

For further information, please visit the website: (PhD website)

<https://www.uniba.it/it/dottorati/patrimoni-storici-filosofici>



## ANNEX 20)

### SUMMARY SHEET

#### PhD PROGRAM IN ANIMAL HEALTH AND ZOOZOSES

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	07-05
SCIENTIFIC -DISCIPLINAR GROUPS	MVET-01/B, MVET-02/A, MVET-02/B, MVET-03/A, MVET-03/B, MEDS-25/B
COORDINATOR	Prof.ssa Maria Tempesta
ADMINISTRATIVE OFFICE	Valenzano (Bari)
PEC	Direttore.dimev@pec.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No
CURRICULA DESCRIPTION	//

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	6
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	//
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	//
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	2 ( 33%, corresponding to 1 year for each grant)
POSITIONS FUNDED BY RESEARCH PROJECTS	//
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	//
POSITIONS WITHOUT SCHOLARSHIP	1

#### 3. PROJECT DESCRIPTION:

Scholarship n. 1 cofounded by Mylav srl	open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution ecc	6 months at Mylav srl in Milan

Scholarship n. 2 cofounded	open-topic scholarship
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by Specilamangimi Galtieri spa	
Planned period abroad	6 months
Planned period in Company/insitution ecc	6 months at Specilamangimi Galtieri spa in Modugno (BA)

#### 4. EXAMINATION:

##### Admission procedure:

The selection will be made in accordance with the Article 6(B).

The selection will be made based on the evaluation of the qualifications, a research project (maximum 12000 characters including spaces) related to the research lines of the doctoral program, an oral test (i.e. discussion of the qualifications and the submitted project), and the verification of foreign language proficiency (English) during the oral test.

##### Procedures for carrying out the tests for foreign candidates:

Foreign applicants may choose to take the entrance exam in English.

##### Calendar and location of the exam:

1. Qualifications Rating: 07/30/2025 9.00 a.m.
2. Project Rating: 07/30/2025 2.00.p.m.
3. Oral exam: 07/31/ 2025 9.30 a.m.

##### Venue of the oral examination:

Library of the Infectious Diseases Section of the Department of Veterinary Medicine, Sp 62 Casamassima km 3, 70010 Valenzano (BA, Italy). For foreign candidates, the oral examination will be held on a Skype platform. The time will be agreed with the committee and published in a timely manner on the PhD page on the Department's website.

For further information, please visit the website:

<https://www.uniba.it/it/dottorati/saz/reclutamento>

## ANNEX 21)

### SUMMARY SHEET

#### PhD PROGRAM IN PUBLIC HEALTH, CLINICAL MEDICINA AND ONCOLOGY

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	05 - Biological Sciences 06 - Medical Sciences 12 - Legal Sciences
SCIENTIFIC -DISCIPLINAR GROUPS	BIOS-11/A - MEDS-05/A - MEDS-06/A - MEDS-08/C - MEDS-10/A - MEDS-10/B - MEDS-10/C - MEDS-20/A - MEDS-21/A - MEDS-24/A - MEDS-24/B - MEDS-26/A - GIUR-05/A
COORDINATOR	Prof. Jean-François DESAPHY
ADMINISTRATIVE OFFICE	Department of Precision and Regenerative Medicine and Ionian Area
PEC	<a href="mailto:direzione.dimeprej@pec.uniba.it">direzione.dimeprej@pec.uniba.it</a>
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	4
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS FUNDED BY RESEARCH PROJECTS	0
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	1

#### 3. PROJECT DESCRIPTION:

<b>n. 1- UNIBA scholarship “open-topic scholarship”</b>	Research project related to the research topics developed in the PhD, as highlighted by the scientific-disciplinary sectors
<b>Planned period abroad</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project
<b>Planned period in private company or public institution</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project

<b>n. 2 - UNIBA scholarship “open-topic scholarship”</b>	Research project related to the research topics developed in the PhD, as highlighted by the scientific-disciplinary sectors
<b>Planned period abroad</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project
<b>Planned period in private company or public institution</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project

<b>n. 3- UNIBA scholarship “open-topic scholarship”</b>	Research project related to the research topics developed in the PhD, as highlighted by the scientific-disciplinary sectors
<b>Planned period abroad</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project
<b>Planned period in private company or public institution</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project

<b>n. 4 - UNIBA scholarship “open-topic scholarship”</b>	Research project related to the research topics developed in the PhD, as highlighted by the scientific-disciplinary sectors
<b>Planned period abroad</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project
<b>Planned period in private company or public institution</b>	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project

<b>position without scholarship entitled “Role of breast nuclear magnetic resonance imaging in the post-neoadjuvant setting in patients with locally advanced cancer.”</b>	<p>Project description:</p> <p>In cases of locally advanced breast cancer and in cases of triple-negative or HER2-positive tumors, neoadjuvant systemic therapy (NAC) is indicated. NAC therapy aims to reduce the stage of these tumors, increasing the opportunity for intervention in inoperable patients, allowing the evaluation of the drug's efficacy and guiding adjuvant treatment strategies.</p> <p>In this scenario, it is crucial to subject patients to an adequate radiological assessment before, during and after NAC, and to evaluate</p>
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	<p>the right surgical indication with a preoperative study. Together with ultrasound and mammography, the role of nuclear magnetic resonance (MRI) is important in the pre- and post-NAC setting, providing useful information for planning the surgical procedure. However, despite the ability of MRI to provide a relatively accurate prediction of the response to treatment after NAC in most cases, there are still discrepancies between MRI results and post-operative pathological findings.</p> <p>The planned research work, therefore, aims to analyze the positive predictive value, sensitivity and specificity of MRI in predicting a complete radiological response in accordance with the definitive histology. It also aims to analyze the factors that influence a possible discordance and the reliability of the method in assisting the surgical choice after neoadjuvant therapy.</p>
Planned period abroad	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project
Planned period in private company or public institution	Optional up to 12 months, to be defined during the PhD course according to the needs of the research project

#### 4. EXAMINATION:

##### General information:

The positions will be assigned according to the order in the merit ranking, until the complete assignment.

**Admission procedure:** in accordance with article 6 letter B of the call

The selection will be based on the evaluation of the qualifications, an original research project, and an oral exam with discussion of the project.

The research project, written in Italian or English (maximum 12,000 chars including spaces), must be related to the specific topic of the PhD position or to the scientific-disciplinary sectors covered in the PhD.

The oral exam will consist of the discussion of the qualifications, the research project presented, and topics related to the themes of the Doctorate and includes verification of knowledge of the foreign language (English).

##### **Procedures for carrying out the tests for foreign candidates:**

Foreign candidates may choose to take the examination in Italian or English

##### **Calendar of the exam:**

1. **Qualifications Rating:** 2025/7/30, 12:00 AM (CEST)
2. **Project Rating:** 2025/7/31, 9:00 AM (CEST)
3. **Oral exam:** 2025/8/4, 10:00 AM (CEST)

##### **Location of the oral exam:**

Pharmacology classroom, first floor of Biological Institute, Polyclinic of Bari

For further information, please visit the website: <https://www.uniba.it/it/dottorati/spmco/spmco>

**ANNEX 22)**

**SUMMARY SHEET**

**PhD PROGRAM IN CHEMICAL AND MOLECULAR SCIENCE**

**1. GENERAL INFORMATION:**

<b>CUN SCIENTIFIC AREAS</b>	<b>03 Chemical Science</b>
<b>SCIENTIFIC -DISCIPLINAR GROUPS</b>	<b>03/CHEM-01, 03/CHEM-02, 03/CHEM-03, 03/CHEM-04, 03/CHEM-05, 03/CHEM-07, 13/ECON-10;</b>
<b>COORDINATOR</b>	<b>Prof. Pietro Favia</b>
<b>ADMINISTRATIVE OFFICE</b>	<b>Department of Chemistry</b>
<b>PEC</b>	<b>direttore.chimica@pec.uniba.it</b>
<b>ORGANIZATION</b>	<b>ORDINARY</b>
<b>DURATION</b>	<b>3 years</b>
<b>CURRICULA</b>	<b>YES</b>
<b>CURRICULA DESCRIPTION</b>	<b>Advanced chemical processes (Scientific-Disciplinar groups 03/CHEM-01, 03/CHEM-02, 03/CHEM-03, 03/CHEM-04, 03/CHEM-05)</b>
	<b>Chemistry of innovative materials (Scientific-Disciplinar groups 03/CHEM-01, 03/CHEM-02, 03/CHEM-03, 03/CHEM-04, 03/CHEM-05, 13/ECON-10)</b>
	<b>Chemistry of biological systems (Scientific-Disciplinar groups 03/CHEM-01, 03/CHEM-02, 03/CHEM-03, 03/CHEM-04, 03/CHEM-05, 03/CHEM-07)</b>

**2. POSITIONS OPEN FOR APPLICATION**

<b>TOTAL NUMBER OF POSITIONS (with and without scholarship)</b>	<b>6</b>
<b>TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP</b>	<b>6</b>
<b>POSITIONS WITH UNIBA SCHOLARSHIP</b>	<b>3 positions with University scholarship</b>
<b>POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS</b>	<b>1 position founded by Procter s Gamble Services Company N.V.</b>
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	<b>1 position co-founded for 1 annuity by the Institute of Sciences of Food Production (ISPA) of the National Research Council, Bari, Italy</b>
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	<b>1 position co-founded for 1 annuity by Project Progetto BIOCHAIN: Strengthening BIOdiversity Preservation through Sustainable Exploitation of the Bioresources CHAIN</b>



3. **PROJECT DESCRIPTION:** (divided by type and curriculum, where applicable. If not applicable, indicate “open-topic scholarship” in the first box. The box must be repeated for each scholarship.)

n. Scholarship 1	Open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution	Not foreseen

n. Scholarship 2	Open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution	Not foreseen

n. Scholarship 3	Open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution	Not foreseen

n. Scholarship 4 - Micro-encapsulation of fragrances with biocompatible polymers	Polymer-stabilized fragrance emulsions and corresponding capsules formed by cross-linking of polymer chains will be studied. The effect of the nature and molecular weight of polymers will be evaluated using physicochemical techniques. The breakdown of the various molecular species that make up the fragrances will also be considered.
Planned period abroad	6 months at PCG Innovation center Bruxelles
Planned period in Company	6 months at PCG Innovation center Bruxelles

n. Scholarship 5 - Development of Analytical Methods for Food Quality and Safety	<p>Food quality and safety are key aspects for public health and the competitiveness of the agri-food sector. The increasing complexity of supply chains and emerging risks require the use of adequate analytical tools for effective monitoring. Consumers demand safe, traceable, and authentic foods, and European regulations mandate the analysis of specific quality and safety parameters. Beyond the implementation of conventional techniques (such as chromatography combined with mass spectrometry), research has promoted rapid and innovative methods, mainly useful for large-scale screening. However, challenges remain, particularly in the detection of emerging contaminants and in the analysis of complex matrices.</p> <p>The PhD project aims to develop and validate analytical methods, both classical and innovative, through selected case studies. Targeted and non-targeted approaches will be employed, using techniques such as HPLC-MS, GC-MS, biosensors, IR spectroscopy, and electronic nose, also in combination with multivariate analysis tools. Methodologies will be chosen based on the matrix, contaminant, and analytical</p>
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	objective, and validated according to international guidelines or through new validation approaches. The main objective is to provide reliable and versatile analytical tools for contaminant control, which are aligned with the needs of authorities, industry, and research.
<b>Planned period abroad</b>	-
<b>Planned period in Institution</b>	6 months at the Institute of Sciences of Food Production (ISPA) of the National Research Council, Bari, Italy

<b>n. Scholarship 6 - BIOCHAIN: valorization of mediterranean native plants</b>	The project involves the study of Medicinal and Aromatic Plants (MAP), native plant species in the Mediterranean areas (including Greece and Italy), which play key roles in the protection of biodiversity. They constitute sources of sustenance and habitat for a wide range of insects, birds and other wildlife, including vital pollinators such as bees and butterflies, are reliable indicators of ecosystem health, contribute significantly to the genetic diversity of terrestrial flora. This diversity is essential to improve the resilience of ecosystems in the face of both abiotic and biotic challenges, including climate change, diseases, pests and soil erosion. MAPs contain numerous secondary metabolites, substances that play functional roles in the defense mechanisms of plants, which have evolved to face environmental threats and pressures, such as herbivores, insects, pathogens, abiotic and biotic stresses. Many MAPs are currently used as raw materials in the production of drugs and other "bioproducts". The aim of this project is the in-depth analytical characterization of these secondary metabolites using mass spectrometry techniques coupled with chromatographic separation. Plants subjected to biotic/abiotic stress will be evaluated to follow the modification of the metabolome and understand the defense mechanisms of MAPs.
<b>Planned period abroad</b>	6 months at University of Ioannina
<b>Planned period in Company/insitution</b>	-

#### 4. EXAMINATION:

##### General information:

The exams are unique and the ranking list will be unique. The available positions will be assigned according to the ranking list.

##### Admission procedure:

The exam procedures will be taken in accordance with art. 6 lett. C.

The selection process will include the evaluation of the titles and oral exams as well as a verification of the knowledge of English language.

The oral examination will deal with the fundamentals of Chemistry from the main topics of the bachelor (Laurea Triennale) degree in Chemistry, the research interests of the candidates related to the PhD in Chemical and Molecular Sciences and the research project submitted by the candidates (maximum 12000 characters including spaces).

##### Procedures for carrying out the tests for foreign candidates:

Foreign candidates may choose to take the entrance exam in Italian or in English.

**Calendar and location of the exam:**

1. **Qualifications Rating:** July 30th, 2025 at 09.00 a.m.
2. **Oral exam:** July 31st, 2025 at 09.00 a.m.
3. **Venue:** Dipartimento di Chimica - Aula 2 - Ground floor - Campus Universitario -  
Via Edoardo Orabona, 4 - 70125 Bari (Italy)

For further information, please visit the website: (PhD website)  
<https://www.uniba.it/it/ricerca/dipartimenti/chimica/didattica/dottorato-di-ricerca>

## ANNEX 23)

### SUMMARY SHEET

#### PHD PROGRAM IN VETERINARY INTERNAL, SURGICAL AND OBSTETRICAL CLINICAL SCIENCES

##### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	07-05
SCIENTIFIC -DISCIPLINAR GROUPS	07/H5, 07/H4, 06/E1, 13/D1, 06/E2, 06C1, 06/D3
COORDINATOR	Prof. Andrea Zatelli
ADMINISTRATIVE OFFICE	Valenzano (Bari)
PEC	Direttore.dimev@pec.it
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No
CURRICULA DESCRIPTION	//

##### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	4
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	3
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	//
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	//
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	//
POSITIONS FUNDED BY RESEARCH PROJECTS	//
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	//
POSITIONS WITHOUT SCHOLARSHIP	1

##### 3. PROJECT DESCRIPTION:

Scholarship n. cofounded by	
Planned period abroad	
Planned period in Company/insitution ecc	

#### **4. EXAMINATION:**

##### **Admission procedure:**

The selection will be made in accordance with the Article 6(B).

The selection will be made based on the evaluation of the qualifications, a research project (maximum 12000 characters including spaces) related to the research lines of the doctoral program, an oral test (i.e. discussion of the qualifications and the submitted project), and the verification of foreign language proficiency (English) during the oral test.

##### **Procedures for carrying out the tests for foreign candidates:**

Foreign applicants may choose to take the entrance exam in English.

##### **Calendar and location of the exam:**

1. **Qualifications Rating:** 07/30/2025 9.00 a.m.
2. **Projects Rating:** 07/30/2025 2.00.p.m.
3. **Oral exam:** 07/31/ 2025 2.00 p.m.

##### **Venue of the oral examination:**

Library of the Clinical Internal Medicine Section of the Department of Veterinary Medicine, Sp 62 Casamassima km 3, 70010 Valenzano (BA, Italy). For foreign candidates, the oral examination will be held on a Teams platform. The time will be agreed with the committee and published in a timely manner on the PhD page on the Department's website.

**For further information, please visit the website:**

**<https://www.uniba.it/it/dottorati/saz/reclutamento>**

## ANNEX 24)

### SUMMARY SHEET

#### PhD PROGRAM IN PHARMACEUTICAL SCIENCES

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	03 Chemical sciences; 05 Biological sciences
SCIENTIFIC -DISCIPLINAR GROUPS	CHEM-05/A Organic Chemistry CHEM-07/A Pharmaceutical Chemistry CHEM-08/A Technology, Socioeconomics, and Regulation of Medicines and Products for Well-being and Health CHEM-01/A Analytical Chemistry BIOS-01/D Pharmaceutical Biology BIOS-11/A Pharmacology
COORDINATOR	Prof. Renzo Luisi
ADMINISTRATIVE OFFICE	Department of Pharmacy-Pharmaceutical Science - Campus Universitario "Ernesto Quagliariello" Via E. Orabona, 4 - 70125 Bari (Italy)
PEC	<a href="mailto:direzione.farmacia@pec.uniba.it">direzione.farmacia@pec.uniba.it</a>
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No
CURRICULA DESCRIPTION	/

#### 2. POSITIONS OPEN FOR APPLICATION completed

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA	4



<b>SCHOLARSHIP</b>	
<b>POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION</b>	
<b>POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS</b>	
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	1 Cotutel fellowship 50% funded by the University of Rouen, Normandie - France
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF</b>	

<b>UNIVERSITIES ABROAD</b>	
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	

### 3. PROJECT DESCRIPTION:

<b>Scholarship n.1 - “Open- topic scholarship”</b>	Propose a project consistent with the topics and scientific- disciplinary groups of the PhD program in Pharmaceutical Sciences.
<b>Planned period abroad</b>	Minimum 6 months
<b>Planned period in Company/insituti on ecc</b>	Minimum 3 months (not compulsory)
<b>Scholarship n.2 - “Open- topic scholarship”</b>	Propose a project consistent with the topics and scientific- disciplinary groups of the PhD program in Pharmaceutical Sciences.
<b>Planned period abroad</b>	Minimum 6 months
<b>Planned period in Company/insituti on ecc</b>	Minimum 3 months (not compulsory)
<b>Scholarship n.3 “Open- topic scholarship”</b>	Propose a project consistent with the topics and scientific- disciplinary groups of the PhD program in Pharmaceutical Sciences.
<b>Planned period</b>	Minimum 6 months

<b>abroad</b>	
<b>Planned period in Company/institution ecc</b>	Minimum 3 months (not compulsory)
<b>Scholarship n.4 - "Open-topic scholarship"</b>	Propose a project consistent with the topics and scientific-disciplinary groups of the PhD program in Pharmaceutical Sciences.
<b>Planned period abroad</b>	Minimum 6 months
<b>Planned period in Company/institution ecc</b>	Minimum 3 months (not compulsory)

<b>"Co-tutelle PhD fellowship focused on the project: ePHOTOBC"</b>	The project will focus on the following topic: Synthesis of Bicyclo pentanes and Cyclobutanes via Photo and Electrochemical Activation in Batch and Continuous Flow
<b>Period abroad</b>	18 months at the University of Normandy
<b>Placement in a company, public institution, or government agency</b>	"The project entails 18 months at the University of Bari Aldo Moro and 18 months at the University of Normandy - Rouen (France)."

#### 4. EXAMINATION:

##### General information:

The examination tests will be specific to each type of scholarship, and the respective rankings will be merged into a single final merit ranking, which will determine admission.

The available positions will be allocated among the different types of scholarships according to the order in the overall merit ranking, until all positions have been filled.

Any positions not assigned due to a lack of eligible candidates for a given type of scholarship will be reallocated to eligible candidates for the other types, based on their score in the general ranking.

Candidates must indicate their chosen type of scholarship; failure to do so will result in exclusion from the selection process.

**Admission procedure:**

The selection will take place pursuant to Article 6 letter B).

The selection will be based on the evaluation of qualifications, a research proposal (maximum 10,000 characters including spaces) related to the specific topic, an oral exam (discussion of the submitted qualifications and project), and an assessment of foreign language proficiency (English), which will take place during the oral exam.

**Procedures for carrying out the tests for foreign candidates:**

Foreign candidates may choose to take the admission exam in English.

**Calendar and location of the exam:**

1. **Qualifications Rating:** 30/07/2025
2. **Project Rating:** 30/07/2025
3. **Oral exam:** 31/07/2025 h: 9:00 AM

**Oral examination venue:** Classroom 1 of Department of Pharmacy- Pharmaceutical Science -  
Campus Universitario "Ernesto Quagliariello" Via E. Orabona, 4 - 70125 Bari (Italy)

For further information, please visit the website:  
<https://www.uniba.it/it/ricerca/dipartimenti/farmacia/ricerca/dottorati-di-ricerca/dottorato-di-ricerca-in-scienze-del-farmaco/bando-di-concorso-dottorato-di-ricerca-xxxviii-ciclo-anno-accademico-2025-2026>

## SUMMARY SHEET

### PhD PROGRAM IN SOIL AND FOOD SCIENCES

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	02 (Physical Sciences), 03 (Chemical Sciences), 05 (Biological Sciences), 06 (Medical Sciences), 07 (Agricultural and Veterinary Sciences)		
SCIENTIFIC -DISCIPLINAR GROUPS	AGRI-01/A, AGRI-02/A, AGRI-02/B, AGRI-04/B, AGRI-06/B, AGRI-07/A, AGRI-08/A, AGRI-09/B, AGRI-09/C, BIOS-08/A, CHEM-01/A, CHEM-05/A, CHEM-07/B, MEDS-10/A, MEDS-20/A, PHYS-06/A		
COORDINATOR	Prof. Erica PONTONIO		
ADMINISTRATIVE OFFICE	Department of Soil, Plant and Food Sciences		
PEC	dissppa@pec.uniba.it		
ORGANIZATION	ORDINARY (X)	ASSOCIATED	OF NATIONAL INTEREST
DURATION			
CURRICULA	YES (X)	No	
CURRICULA DESCRIPTION	Food Microbiology, Technology, Safety, and Chemistry		
	Agricultural Chemistry		

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

##### Curriculum 1: Food Microbiology, Technology, Safety, and Chemistry

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 (2 annual installments: Su.It 1 (1 annual installment Amenduni s.r.l.)
POSITIONS FUNDED BY RESEARCH PROJECTS	2 (RETI PROKARANEXT - PRIN 2022 CALIMERO)
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	0

##### Curriculum 2: Agricultural Chemistry

TOTAL NUMBER OF POSITIONS (with and without scholarship)	5
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	0
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	0
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1 (21 months: CREA)
POSITIONS FUNDED BY RESEARCH PROJECTS	3 (SRH06 CSR Puglia 2023-2027, AgRibot, RETI PROKARANEXT)
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	0
POSITIONS WITHOUT SCHOLARSHIP	0

3. **PROJECT DESCRIPTION:** (divided by type and curriculum, where applicable. If not applicable, indicate “open-topic scholarship” in the first box. The box must be repeated for each scholarship.)

#### Curriculum 1: Food Microbiology, Technology, Safety, and Chemistry

##### POSITIONS WITH UNIBA SCHOLARSHIP

Scholarship n. 1 - The production system of native breeds: balancing tradition and innovation	The project aims to analyze and enhance production systems based on native pig breeds, combining tradition and innovation. Starting from the genetic, nutritional, and management characteristics typical of these farming systems, the goal is to develop sustainable models that reduce environmental impact, promote biodiversity, and ensure efficient use of resources. The introduction of smart technologies and data-driven approaches will improve farm management, monitor environmental parameters, and optimize performance without compromising the identity of traditional products. Particular attention will be given to the quality of the final product, promoting goods with high nutritional, sensory, and territorial value, in line with modern consumer expectations and European strategies for greener and more traceable agriculture.
Planned period abroad	6 months - Destination to be defined
Planned period in Company/institution ecc	NO

##### POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS

Scholarship n. 2 - Pig Production 4.0: Technological and Management Innovations for Improving Animal Welfare, Sustainability, and Product Quality	Pig farming is evolving due to new regulations and growing focus on sustainability, animal welfare, and product quality. “Pig Production 4.0” integrates digital technologies to monitor physiological and environmental parameters in real time, optimizing management, feeding, and resource use. The data-driven approach improves efficiency and reduces environmental impact, ensuring traceability and high standards across the supply chain. The project aims to develop an innovative, sustainable model aligned with the EU’s green
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	and digital transition.
<b>Planned period abroad</b>	6 months - Ceteca - Centro tecnológico da Carne, Oruense (Spain)
<b>Planned period in Company/institution ecc</b>	6 months - Su.It.

<b>Scholarship n. 3 - Adaptive Management of the Decanter for Controlling Oil Extraction Efficiency and Energy Consumption</b>	The PhD project aims to develop an innovative approach for the adaptive management of the centrifuge decanter, a key component in the olive oil extraction process. The objective is to simultaneously optimize extraction efficiency and reduce energy consumption, thus contributing to environmental sustainability and improving product quality. The project intends to integrate advanced control systems, predictive algorithms, and sensors to monitor and regulate in real time the main operational variables (rotational speed of the rotating body, feed paste flow rate/moisture/viscosity, and the position of the feed tube). This will enable the adaptation of process conditions to the characteristics of the processed olives, ensuring higher efficiency, reduced energy costs, and improved quality of the extracted oil.
<b>Planned period abroad</b>	6 months - Destination to be defined
<b>Planned period in Company/institution ecc</b>	6 months, Amenduni Nicola S.p.a., Via delle Mimose, 3, 70026 Modugno BA

#### POSITIONS FUNDED BY RESEARCH PROJECTS

<b>Scholarship n. 4 - Biotechnological Approaches to Produce Cereal-Based Products with High Nutritional Value and Extended Shelf Life</b>	The PhD project aims to develop new food formulations based on cereals and alternative plant-based ingredients, also obtained through specific technological and biotechnological treatments. Particular attention will be given to nutritional balance and the evaluation of health-related properties of the optimized foods. In addition, shelf-life studies of the products will be carried out, also by optimizing new non-destructive analytical techniques such as NIR spectroscopy and hyperspectral imaging.
<b>Planned period abroad</b>	6 months - Destination to be defined
<b>Planned period in Company/institution ecc</b>	NO

<b>Scholarship n. 5 - Biotechnological approaches for the valorization of by-products from traditional agri-food processing</b>	The project aims to develop biotechnological approaches for the valorization of by-products from agro-industrial transformations, focusing on plant matrices. The objective is to convert these residues into value-added products using selected microbial starters and specific enzymes, optimizing fermentation or enzymatic processes. Operating conditions will be studied to maximize yield and functionality of the obtained compounds, with potential applications in the food, nutraceutical, and environmental sectors, contributing to sustainability and waste reduction.
<b>Planned period abroad</b>	n. 6 months - Destination to be defined
<b>Planned period in Company/institution ecc</b>	NO

#### Curriculum 2: Chimica Agraria

#### POSITIONS WITH UNIBA SCHOLARSHIP



<p><b>Scholarship n. 6 - Molecular investigations of complex matrices of agri-food and environmental interest using mass spectrometry</b></p>	<p>The research activity aims at the development of investigation protocols, both untargeted and targeted, using high-resolution mass spectrometry for the characterization of molecules of agro-food and environmental interest. It will include the development of extraction, purification, and separation procedures as well as methods for metabolomic and proteomic investigations. Using a bioinformatics approach with specific software, it will be possible to identify classes of molecules involved in the metabolic processes of plants and microorganisms, in physiological or pathological states, associated with issues of agricultural, food, and environmental interest. Part of the research will also focus on the identification and quantification of organic contaminants in environmental and food matrices</p>
<p><b>Planned period abroad</b></p>	<p>6 months - Destination to be defined</p>
<p><b>Planned period in Company/institution ecc</b></p>	<p>NO</p>

#### POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS

<p><b>Scholarship n. 7- Certification of ecosystem services (carbon sequestration) through Blockchain technologies and simulation models for estimating greenhouse gas emissions in different cropping systems</b></p>	<p>The PhD project aims to contribute to the calibration/validation of the CARBOND platform through both historical data series deriving from previous experimental campaigns and new data deriving from experimental trials focused on measuring and monitoring greenhouse gases fluxes (CO<sub>2</sub>, N<sub>2</sub>O, CH<sub>4</sub>) and key soil indicators mainly involved into carbon, water and nutrient cycles such as hydraulic conductivity, apparent density, organic carbon content.</p> <p>The activity will be based on the CARBOND-BC project funded by the “Fondo per lo sviluppo di tecnologie e applicazioni di intelligenza artificiale, blockchain e internet of things - Decreto direttoriale 24 giugno 2022 e Decreto interministeriale 6 dicembre 2021 - Domanda FTE0000307 - Decreto di concessione delle agevolazioni n. 2168 del 10-12-2024”.</p>
<p><b>Planned period abroad</b></p>	<p>6 months - Destination to be defined</p>
<p><b>Planned period in Company/institution ecc</b></p>	<p>12 months will be performed at the CREA-AA of Bari</p>

#### POSITIONS FUNDED BY RESEARCH PROJECTS

<p><b>Scholarship n. 8 - Innovations in agriculture and agri-food: socio-economic analysis and assessments</b></p>	<p>The doctoral project aims to analyze and evaluate innovations in agricultural and agri-food systems, with a particular focus on the economic, environmental, and social sustainability of new production and consumption models. The focus will be on the evolution of behaviors and needs of stakeholders involved in agri-food supply chains, as well as the evaluation of economic opportunities related to the adoption of innovations. Additionally, it will explore new ways of generating value in the agricultural and agri-food sectors. The general objective is to develop analytical tools based on empirical evidence, useful to support the development of public policies and strategies oriented to sustainable rural development, contributing to the promotion of competitiveness, resilience to climate change and the ecological transition of the agri-food system.</p>
<p><b>Planned period abroad</b></p>	<p>6 months - Destination to be defined</p>
<p><b>Planned period in Company/institution ecc</b></p>	<p>NO</p>

Scholarship n. G - Analysis and models for the economic valorization of innovations in agriculture	The PhD project aims to analyze and develop models for the economic value of innovations in agriculture, to develop a more competitive, sustainable, and resilient agricultural sector. The project therefore aims to understand the factors that influence the adoption and diffusion of innovations, measure their economic impact, and provide useful tools for companies, consultants, and policy makers. The project concerns: the analysis of the main typologies of innovation in agricultural contexts and the identification of the factors that influence their adoption; the development of methodologies to measure the impacts achievable at company and territorial level; the analysis of policy tools useful for economic valorization. Therefore, the general objective of the project is to strengthen the interaction between research and companies to promote participatory and sustainable innovation paths.
Planned period abroad	6 months - Destination to be defined
Planned period in Company/institution ecc	NO

Scholarship n. 10 - Agronomic management of cropping processes in open field and protected environments based on robotic technologies	The PhD project aims to implement research activities in the field of the use of innovative robotic platforms applied to agronomic processes in open fields and greenhouse environments. Agronomic algorithms based on data collected by sensors installed on the platforms will be defined, with the aim to improve the use of inputs also through actuators mounted on the robotic platforms. The research activity will be developed within the project "Harnessing Robotics, XR/AR, and 5G for a New Era of Safe, Sustainable, and Smart Agriculture" (AgRibot), program HORIZON-CL6-2024-GOVERNANCE-01 (Innovative governance, environmental observations and digital solutions in support of the Green Deal) Topic: HORIZON-CL6-2024-GOVERNANCE-01-7
Planned period abroad	6 months - Destination to be defined
Planned period in Company/institution ecc	NO

#### 4. EXAMINATION:

**General information:** Exams will be held separately for each curriculum, but rankings will merge into a single final ranking. Positions will be assigned according to merit across curricula. Unfilled positions in one curriculum may be reassigned to eligible candidates from the other. Candidates must specify their curriculum preference, otherwise they will be excluded from the selection.

**Admission procedure:** Based on Art. 6 par. B). Evaluation includes qualifications, a research project (max 12,000 characters), oral interview, and English language assessment.

#### Procedures for carrying out the tests for foreign candidates:

Foreign candidates may take the exam in English.

#### Calendar and location of the exam:

1. Qualifications Rating: July 30<sup>th</sup>, 9:00 AM

2. **Project Rating:** July 31<sup>st</sup>, 9:00 AM
3. **Oral exam:** August 1<sup>st</sup>, 9:00 AM

Venue: Room X, Entrance E, Ground Floor, Department of Soil, Plant and Food Sciences, Via Giovanni Amendola 165/A, 70126 Bari (BA). For those who make an explicit request by sending an email to the chair of the committee, it will be possible to take the exam online (via Microsoft Teams).

For further information, please visit the website: <https://www.uniba.it/en/phdprograms/ssa>

## SUMMARY SHEET

### PhD PROGRAM IN SCIENCES OF HUMAN RELATIONS

#### 1. GENERAL INFORMATION:

<b>CUN SCIENTIFIC AREAS</b>	11a, 11b, 10, 13, 6
<b>SCIENTIFIC -DISCIPLINAR GROUPS</b>	10/PEMM-01, 10/FRAN-01, 10/ANGL-01, 11/PHIL-01, 11/PHIL-04, 11/GEOG-01, 11/PAED-01, 11/PAED-02, 11/PSIC-01, 11/PSIC-02, 11/PSIC-03, 11/PSIC-04, 06/MEDS-25, 13/STAT-01, 13/ECON-07
<b>COORDINATOR</b>	Prof. Alessandro Oronzo Caffò
<b>ADMINISTRATIVE OFFICE</b>	Department of Educational Sciences, Psychology, Communication
<b>PEC</b>	direttore.forpsicom@pec.uniba.it
<b>ORGANIZATION</b>	ORDINARY
<b>DURATION</b>	3 years
<b>CURRICULA</b>	YES
<b>CURRICULA DESCRIPTION</b>	1) LINGUISTIC AND INTERCULTURAL DYNAMICS OF COMMUNICATION
	2) TRAINING DYNAMICS AND POLITICAL EDUCATION
	3) PSYCHOLOGY: COGNITIVE, EMOTIONAL AND COMMUNICATIVE PROCESSES

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

##### CURRICULUM 1) LINGUISTIC AND INTERCULTURAL DYNAMICS OF COMMUNICATION

<b>TOTAL NUMBER OF POSITIONS (with and without scholarship)</b>	2
<b>TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP</b>	1
<b>POSITIONS WITH UNIBA SCHOLARSHIP</b>	1
<b>POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION</b>	-
<b>POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS</b>	-
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	-
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	-
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	-
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	1

##### CURRICULUM 2) TRAINING DYNAMICS AND POLITICAL EDUCATION

<b>TOTAL NUMBER OF POSITIONS (with and without scholarship)</b>	2
-----------------------------------------------------------------	---

without scholarship)	
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	2
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	-
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	-
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1
POSITIONS FUNDED BY RESEARCH PROJECTS	-
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	-
POSITIONS WITHOUT SCHOLARSHIP	-

### CURRICULUM 3) PSYCHOLOGY: COGNITIVE, EMOTIONAL AND COMMUNICATIVE PROCESSES

TOTAL NUMBER OF POSITIONS (with and without scholarship)	1
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	1
POSITIONS WITH UNIBA SCHOLARSHIP	1
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	-
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	-
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	-
POSITIONS FUNDED BY RESEARCH PROJECTS	-
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	-
POSITIONS WITHOUT SCHOLARSHIP	-

### 3. PROJECT DESCRIPTION:

#### CURRICULUM 1) LINGUISTIC AND INTERCULTURAL DYNAMICS OF COMMUNICATION

Scholarship n.1	open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution ecc	—

#### CURRICULUM 2) TRAINING DYNAMICS AND POLITICAL EDUCATION

Scholarship n.1	open-topic scholarship
Planned period abroad	6 months
Planned period in	—

<p><b>Scholarship n. 2</b> “Combating Educational Poverty and Alleviating Social Disadvantage”</p>	<p>This doctoral project aims to investigate and experiment with the activation of participatory processes. The research seeks to thoroughly explore the phenomenon of educational poverty and its impact on social distress, with the goal of outlining effective strategies for its prevention and mitigation. Educational poverty, understood as the deprivation of opportunities for learning, growth, and the development of cultural and social skills, is a key factor in the reproduction of inequalities and the exacerbation of individual and collective vulnerability.</p> <p>The research will adopt a multidisciplinary approach, drawing from pedagogical, sociological, psychological, and economic perspectives to analyze the structural and contingent causes of educational poverty, its manifestations at both the individual and community levels, and its connections with indicators of social distress such as school dropout, youth unemployment, social exclusion, and deviance. Particular attention will be given to identifying the most at-risk segments of the population (children in disadvantaged contexts, families with low cultural capital, second-generation immigrants) and to the resilience factors that may counteract the negative effects of such deprivations.</p> <p>The empirical analysis will be based on a combination of quantitative and qualitative methodologies, including the collection and processing of national and local statistical data, the analysis of significant case studies, interviews with stakeholders (educators, social workers, third-sector operators), and focus groups with beneficiaries of interventions. The research aims to assess the effectiveness of current policies and interventions at the local, national, and European levels aimed at combating educational poverty and promoting social inclusion, identifying both best practices and critical issues.</p> <p>The expected outcomes of the project will contribute to a deeper understanding of the dynamics underlying educational poverty and social distress, providing scientific evidence useful for the formulation of policy recommendations and the development of innovative and sustainable intervention strategies. The ultimate goal is to promote an integrated and systemic approach that fosters educational equity, strengthens social capital, and significantly improves community well-being, thereby contributing to the construction of a more inclusive and cohesive society.</p>
<p><b>Planned period abroad</b></p>	<p>6 months</p>
<p><b>Planned period in Company/insitution ecc</b></p>	<p>6 months</p>

### CURRICULUM 3) PSYCHOLOGY: COGNITIVE, EMOTIONAL AND COMMUNICATIVE PROCESSES

<p><b>Scholarship n.1</b></p>	<p>open-topic scholarship</p>
<p><b>Planned period abroad</b></p>	<p>6 months</p>
<p><b>Planned period in Company/insitution ecc</b></p>	<p>–</p>



#### 4. **EXAMINATION:**

**General information:** The examination will be conducted separately for each curriculum, and the respective rankings will be merged into a single final ranking list, which will determine admission eligibility. The available positions will be allocated across the different curricula based on the order of the final merit ranking, until all available positions are filled.

Positions not assigned due to a lack of eligible candidates in one curriculum will be reallocated to eligible candidates from other curricula, according to their score in the general ranking.

Applicants must indicate a single project and curriculum of choice; failure to do so will result in exclusion from the selection process. In the case of scholarships without a predefined topic, candidates may submit a project on a topic of their choice but must still specify the curriculum they are applying for.

**Admission procedure:** The selection will take place in accordance with Article 6, letter B of the call for applications.

Regarding the criteria for the examination, the assessment will consist of the evaluation of qualifications, the submission of an original research project (to be attached to the application), and an oral interview focusing on theoretical and methodological aspects related to the proposed project.

The project text must not exceed 15,000 characters, including spaces and bibliography. The project must include four sections: 1) State of the art / rationale and project objectives, 2) Methodology, 3) Expected results, 4) Potential risks to project success.

**Procedures for carrying out the tests for foreign candidates:** Foreign candidates may choose to take the admission exam in Italian or in English.

#### **Calendar and location of the exam:**

1. **Qualifications Rating:** 30/07/2025 and 31/07/2025
2. **Project Rating:** 30/07/2025 and 31/07/2025
3. **Oral exam:** 01/08/2025 time 9.30, at Aula Mandela, I floor Chiaia-Napolitano building, Via Crisanzio, 42 - 70121 Bari

**For further information, please visit the website:**

<https://manageweb.ict.uniba.it/it/ricerca/dipartimenti/forpsicom/didattica/post-laurea/dottorato>

## SUMMARY SHEET

### PHD PROGRAM IN POLITICAL AND SOCIAL SCIENCES FOR SECURITY AND DEVELOPMENT

#### 1. GENERAL INFORMATION

<b>CUN SCIENTIFIC AREAS</b>	Area 10 - Antiquities, philology, literary studies, art history Area 11 - History, philosophy, pedagogy and psychology Area 12 - Law studies Area 13 - Economics and statistics Area 14 - Political and social sciences
<b>SCIENTIFIC-DISCIPLINARY GROUPS</b>	10/ANGL-01 10/Fran-01 11/PAED-01 11/PSIC-02 12/GIUR-01 12/GIUR-03 12/GIUR-04 12/GIUR-07 12/GIUR-08 12/GIUR-10 12/GIUR-14 12/GIUR-17 13/ECON-02 13/ECON-04 13/STAT-03 14/GSPS-01 14/GSPS-03 14/GSPS-04 14/GSPS-05 14/GSPS-06 14/GSPS-07 14/GSPS-08
<b>COORDINATOR</b>	Prof. Giuseppe Campesi
<b>ADMINISTRATIVE OFFICE</b>	Department of Political Sciences
<b>PEC</b>	direzione.scienzepolitiche@pec.uniba.it
<b>ORGANIZATION</b>	ORDINARY
<b>DURATION</b>	3 years
<b>CURRICULA</b>	YES
<b>CURRICULA DESCRIPTION</b>	<b>22.</b> Politics, Institutions, and Rights
	<b>23.</b> Social Policies and Inclusion
	<b>24.</b> Policies for Employment, Development, and Innovation

#### 2. POSITIONS OPEN FOR APPLICATION

<b>TOTAL NUMBER OF POSITIONS</b>	No. 4
<b>TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP</b>	No. 4
<b>POSITIONS WITH UNIBA SCHOLARSHIP</b>	No. 3
<b>POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION</b>	0
<b>POSITIONS FULLY FUNDED BY</b>	0

<b>EXTERNAL ORGANIZATIONS</b>	
<b>POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS</b>	No. 1 33% (one year)
<b>POSITIONS FUNDED BY RESEARCH PROJECTS</b>	0
<b>POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD</b>	0
<b>POSITIONS WITHOUT SCHOLARSHIP</b>	0

### 3. PROJECT DESCRIPTION

<b>PhD Scholarship No. 1</b>	Open-topic PhD scholarship. Applicants are required to submit a research proposal aligned with the thematic and disciplinary areas of the curriculum.
<b>Curriculum 1</b>	Politics, Institutions, and Rights
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/institution</b>	6 months

<b>PhD Scholarship No. 2</b>	Open-topic PhD scholarship. Applicants are required to submit a research proposal aligned with the thematic and disciplinary areas of the curriculum.
<b>Curriculum 2</b>	Social Policies and Inclusion
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/institution</b>	6 months

<b>PhD Scholarship No. 3</b>	Open-topic PhD scholarship. Applicants are required to submit a research proposal aligned with the thematic and disciplinary areas of the curriculum.
<b>Curriculum 3</b>	Policies for Employment, Development, and Innovation
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/institution</b>	6 months

<b>PhD Scholarship No. 4</b>	The digital transformation of social services represents one of the central challenges for the evolution of the Italian welfare system, with direct effects on administrative efficiency, service quality, and equity in access to services. The introduction of digital tools, such as the Electronic Social File ( <i>Cartella Sociale Informatizzata</i> ), and the growing use of technologies based on artificial intelligence are changing the ways in which professionals work and the relationship between institutions and citizens. In this context, the research project should critically analyse these innovation processes, with particular attention to the role of digitalization in promoting - or hindering - social inclusion, especially in the most vulnerable territorial contexts. The aim of the research path will be to understand how technological solutions can be designed and implemented to improve the quality of services while ensuring accessibility, transparency, and respect for social rights. The project is part of the applied research activities promoted by Synergia S.r.l., with the aim of providing tools and knowledge to support the development of more sustainable, effective, and needs-oriented welfare models.
<b>Digitization of social services: innovation, artificial intelligence, and territorial accessibility</b>	

Curriculum 2	Social Policies and Inclusion
Planned period abroad	6 months
Planned period in Company/institution	12 months at Synergia S.r.l.

#### 4. ADMISSION

**General information** The examination will be conducted separately for each curriculum, and the respective rankings will be merged into a single final ranking, which will determine admission.

The positions available will be allocated among the various curricula according to the order of merit in the overall ranking, until all positions have been filled.

Any positions that remain unassigned due to the lack of eligible candidates in a given curriculum will be reallocated to eligible candidates from other curricula, based on their score in the general ranking.

**Candidates must indicate their chosen curriculum, failing which they will be excluded from the competition.**

**Admission procedure:** The admission procedure will take place in accordance with Article 6, letter B, of the call.

The selection process will include the evaluation of:

1. Candidates' Qualifications.
2. Submitted Research Project: The research project, written in either Italian or English, must not exceed 15,000 characters (including spaces and bibliography). It should be relevant to one of the thematic and disciplinary areas of the Doctorate or to a topic related to the themed PhD Scholarship No. 4.
3. Oral Interview: The interview will assess the candidate's theoretical and methodological skills necessary for the effective implementation of the proposed project, as well as their proficiency in the English language.

**Admission procedure for foreign candidates:** foreign candidates may choose to take the oral interview in English.

#### Schedule for the Selection Process

1. Evaluation of Candidates' Qualifications: 30 July 2025
2. Evaluation of Research Projects: 31 July 2025
3. Oral Interviews: 1 August 2025, 9:00 AM

#### Venue for the Oral Interviews

Room I, Dept. of Political Sciences, Palazzo Del Prete, Piazza Cesare Battisti 2, 70121 Bari,

For further information, please visit the website

<https://www.uniba.it/it/ricerca/dipartimenti/scienze-politiche/didattica/dottorato/ammissione>

## SUMMARY SHEET

### PhD PROGRAM IN "SUSTAINABLE TECHNOLOGIES FOR THE INDUSTRIAL DEVELOPMENT OF MEDICINES AND DIAGNOSTICS"

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	03 Scienze Chimiche, 05 Scienze Biologiche, 06 Scienze Mediche, 02 Scienze fisiche		
SCIENTIFIC-DISCIPLINAR GROUPS	CHEM-08/A-, CHEM-07/A-, CHEM-05/A-, CHEM-01/A, BIOS-01/D, BIOS-11/A, BIOS-07/A, MEDS-24/B, MEDS-03/A, PHYS-06/A		
COORDINATOR	Prof. Nunzio Denora		
ADMINISTRATIVE OFFICE	Department of Pharmacy- Pharmaceutical Science - Campus Universitario "Ernesto Quagliariello" - Via E. Orabona, 4 - 70125 Bari (Italy)		
PEC	direzione.farmacia@pec.uniba.i		
ORGANIZATION		ASSOCIATED	
DURATION	3 years		
CURRICULA	No		
CURRICULA DESCRIPTION			

#### 2. POSITIONS OPEN FOR APPLICATION

TOTAL NUMBER OF POSITIONS (with and without scholarship)	7
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	7
POSITIONS WITH UNIBA SCHOLARSHIP	4
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	2
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	1
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	

### 3. PROJECT DESCRIPTION:

Scholarship n. 1 - "Open-topic scholarship"	Propose a project consistent with the topics and scientific-disciplinary groups of the PhD program in TeSSMeD.
Planned period abroad	Minimum 6 months
Planned period in Company/insitution ecc	Minimum 3 months (not compulsory)
Scholarship n. 2 - "Open-topic scholarship"	Propose a project consistent with the topics and scientific-disciplinary groups of the PhD program in TeSSMeD.
Planned period abroad	Minimum 6 months
Planned period in Company/insitution ecc	Minimum 3 months (not compulsory)
Scholarship n. 3 - "Open-topic scholarship"	Propose a project consistent with the topics and scientific-disciplinary groups of the PhD program in TeSSMeD.
Planned period abroad	Minimum 6 months
Planned period in Company/insitution ecc	Minimum 3 months (not compulsory)
Scholarship n. 4 - "Open-topic scholarship"	Propose a project consistent with the topics and scientific-disciplinary groups of the PhD program in TeSSMeD.
Planned period abroad	Minimum 6 months
Planned period in Company/insitution ecc	Minimum 3 months (not compulsory)
<b>Scholarship n. 5 - Scholarship covered by advanced training and research apprenticeship contract financed by the company Farmalaborsrl</b>	The theme of the advanced training apprenticeship contract project shared with the company Farmalabor srl is technology transfer and co-development of technologies, know-how and solutions, in which the apprentice plays a proactive role in the creation and invention processes, starting from clear company needs, in order to support and accelerate the company's innovationandgrowthprocesses, strengthening links and synergies with the applied research system.
<b>Scholarship n. 6 - Scholarship covered by advanced training and research apprenticeship contract financed by the company Farmalaborsrl</b>	The theme of the advanced training apprenticeship contract project shared with the company Farmalabor srl is technology transfer and co-development of technologies, know-how and solutions, in which the apprentice plays a proactive role in the creation and invention processes, starting from clear company needs, in order to support and accelerate the company's innovationandgrowthprocesses, strengthening links and synergies with the applied research system.
<b>Scholarship n. 7 - "Structural characterisation of compoundsof</b>	The theme of the project shared with Excelsus Structural Solutions concerns the structural characterisation of compounds of pharmaceutical interest by pair distribution function.



pharmaceutical interest by pair distribution function”	
Planned period abroad	Minimum 6 months
Planned period in Company/insitution ecc	Minimum 3 months (not compulsory)

#### 4. EXAMINATION:

##### General information:

The examination tests will be specific to each type of scholarship, and the respective rankings will be merged into a single final merit ranking, which will determine admission. The available positions will be allocated among the different types of scholarships according to the order in the overall merit ranking, until all positions have been filled. Any positions not assigned due to a lack of eligible candidates for a given type of scholarship will be reallocated to eligible candidates for the other types, based on their score in the general ranking. Candidates must indicate their chosen type of scholarship; failure to do so will result in exclusion from the selection process.

##### Admission procedure:

The selection will take place pursuant to Article 6 letter B).

The selection will be based on the evaluation of qualifications, a research proposal (maximum 10,000 characters including spaces) related to the specific topic, an oral exam (discussion of the submitted qualifications and project), and an assessment of foreign language proficiency (English), which will take place during the oral exam.

##### Procedures for carrying out the tests for foreign candidates:

Foreign candidates may choose to take the admission exam in English.

##### Calendar and location of the exam:

1. Qualifications Rating: 30/07/2025
2. Project Rating: 30/07/2025
3. Oral exam: 31/07/2025 h: 15:00 PM

Oral examination venue: Classroom 2 of Department of Pharmacy- Pharmaceutical Science -  
Campus Universitario "Ernesto Quagliariello" - Via E. Orabona, 4 - 70125 Bari (Italy)

For further information, please visit the website: (PhD website):

<https://www.uniba.it/it/dottorati/dottorati/41-ciclo/schede/tecnologie-soste>

## SUMMARY SHEET

### PHD PROGRAM IN ORGANS AND TISSUES TRANSPLANTATIONS AND CELLULAR THERAPIES

#### 1. GENERAL INFORMATION:

CUN SCIENTIFIC AREAS	06 Scienze Mediche, 07 Scienze Agrarie e Veterinarie, 05 Scienze Biologiche
SCIENTIFIC -DISCIPLINAR GROUPS	AGR/18, BIO/13, BIO/17, VET/09, MED/15, MED/13, MED/14, MED/19, VET/01, MED/41, MED/08, MED/23, MED/18, MED/21, MED/24, MED/16
COORDINATOR	FRANCESCO STAFFIERI
ADMINISTRATIVE OFFICE	DIMEPRE-J
PEC	<a href="mailto:direzione.dimeprej@pec.uniba.it">direzione.dimeprej@pec.uniba.it</a>
ORGANIZATION	ORDINARY
DURATION	3 years
CURRICULA	No
CURRICULA DESCRIPTION	

#### 2. POSITIONS OPEN FOR APPLICATION (if curricula are submitted, the table below must be completed for each curriculum))

TOTAL NUMBER OF POSITIONS (with and without scholarship)	6
TOTAL NUMBER OF POSITIONS WITH SCHOLARSHIP	5
POSITIONS WITH UNIBA SCHOLARSHIP	3
POSITIONS WITH SCHOLARSHIP FUNDED BY AFFILIATED INSTITUTION	
POSITIONS FULLY FUNDED BY EXTERNAL ORGANIZATIONS	
POSITIONS CO-FUNDED BY EXTERNAL ORGANIZATIONS	2 (each co-funded by a company for one year)
POSITIONS FUNDED BY RESEARCH PROJECTS	
POSITIONS WITH SCHOLARSHIP RESERVED FOR GRADUATES OF UNIVERSITIES ABROAD	
POSITIONS WITHOUT SCHOLARSHIP	1

#### 3. PROJECT DESCRIPTION: (divided by type and curriculum, where applicable. If not applicable, indicate "open-topic scholarship" in the first box. The box must be repeated for each scholarship.)

Scholarship n.1	Open-topic scholarship
Planned period abroad	6 months
Planned period in Company/insitution ecc	—

<b>Scholarship n. 2</b>	Open-topic scholarship
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	–

<b>Scholarship n. 3</b>	Open-topic scholarship
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	–

<b>Scholarship n. 4 - “Carbon dioxide removal devices in patients with ARDS: a study on animal models”</b>	<p>Carbon dioxide removal devices in patients with ARDS: a study on animal models</p> <p>Extracorporeal carbon dioxide removal (ECCO2R) is an extracorporeal respiratory support technique used in patients with ARDS or severe COPD, useful for reducing the mechanical load of the ventilator and limiting ventilation-induced damage. However, at low blood flows (&lt;400-500 mL/min), CO2 removal is often insufficient. Increasing flows, however, carries a higher risk of vascular and hemolytic complications. To overcome these limitations, partial recirculation circuits have been proposed that increase the effective flow through the oxygenator, improving CO2 removal without increasing systemic flow.</p> <p>Project objective: To compare the CO2 removal efficacy and biocompatibility between a standard low-flow ECCO2R circuit and an innovative circuit with internal recirculation, both operating at 350 mL/min, in a porcine model of acute hypercapnia.</p>
<b>Planned period abroad</b>	6 months
<b>Planned period in Company/insitution ecc</b>	6 months

<b>n. Scholarship 5 - “Carbon dioxide removal devices in patients with ARDS: a study on animal models”</b>	<p>Carbon dioxide removal devices in patients with ARDS: a study on animal models</p> <p>Extracorporeal carbon dioxide removal (ECCO2R) is an extracorporeal respiratory support technique used in patients with ARDS or severe COPD, useful for reducing the mechanical load of the ventilator and limiting ventilation-induced damage. However, at low blood flows (&lt;400-500 mL/min), CO2 removal is often insufficient. Increasing flows, however, carries a higher risk of vascular and hemolytic complications. To overcome these limitations, partial recirculation circuits have been proposed that increase the effective flow through</p>
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	the oxygenator, improving CO2 removal without increasing systemic flow. Project objective: To compare the CO2 removal efficacy and biocompatibility between a standard low-flow ECCO2R circuit and an innovative circuit with internal recirculation, both operating at 350 mL/min, in a porcine model of acute hypercapnia.
Planned period abroad	6 months
Planned period in Company/insitution ecc	6 months

#### 4. EXAMINATION:

**General information:** The positions available will be assigned according to the order of merit, until all positions are filled.

**Admission procedure:** The selection will be made in accordance with Article 6 letter B.

The selection will be based on the evaluation of the candidate's qualifications, a research project related to the specific topic of the PhD program or, where applicable, the topic-specific scholarship, and an oral exam. The research project must be submitted in advance by the candidate, together with the application form, under penalty of exclusion. The research project, with a maximum length of 3000 words (excluding the bibliography), must necessarily include the following fields: scientific background of the project, purpose of the study, methodology (including statistical considerations), expected results, prospects, and possible repercussions.

Admission to the oral exam is subject to the successful evaluation of qualifications and the research project. During the oral exam, knowledge of the English language will also be tested.

**Procedures for carrying out the tests for foreign candidates:** Foreign applicants may choose to take the admission exam in English.

#### Calendar and location of the exam:

1. **Qualifications Rating:** 30 July 2025 time 9:30
2. **Project Rating:** 30 July 2025 time 14 : 00
3. **Oral exam:** 31 July 2025 time 14:00

Location of the examination: Campus di Medicina Veterinaria, Aula didattica di Chirurgia Veterinaria, SP 63 per Casamassima km 3, 70010 Valenzano, Bari

For further information, please visit the website: <https://www.uniba.it/it/dottorati/ttote>