

PhD Programme Table - 38th cycle
Call for Applications for further PhD positions funded by Next Generation EU - NRRP
“National Recovery and Resilience Plan” and from other sources



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NextGenerationEU



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

PROGRAMME'S NAME	GENERAL MEDICAL AND SERVICES SCIENCES
DURATION	3 years
PROGRAMME START DATE	01/03/2023 (DD/MM/YYYY)
LANGUAGES	Italian
MANDATORY STAY ABROAD	No
COORDINATOR	Prof. Fabio Piscaglia (fabio.piscaglia@unibo.it)
PHD POSITIONS	7
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

Available Positions and Scholarships

Pos. n.	Financial Support	Description	Position linked to a specific research topic
1	PhD Scholarship NRRP PE	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Partenariati Estesi (PE10 - ONFOOD) - CUP J33C22002860001	Definition of sustainable dietetic-behavioral patterns with positive impact on the interaction between microbiota and clinic-instrumental manifestations of chronic hepato-gastrointestinal and cardiometabolic disorders
2	PhD Scholarship NRRP PE	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Partenariati Estesi (PE10 - ONFOOD) - CUP J33C22002860001	Definition of sustainable dietetic-behavioral patterns with positive impact on the interaction between microbiota and clinic-instrumental manifestations of chronic hepato-gastrointestinal and cardiometabolic disorders
3	PhD Scholarship NRRP PE	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Partenariati Estesi (PE12 - MNESYS) - CUP J33C22002970002	Generation and characterization of iPSC (induced Pluripotent Stem Cells) and brain organoids from patients' biological samples to study neurodevelopmental disorder
4	PhD Scholarship NRRP PE	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Partenariati Estesi (PE3 - RETURN) - CUP J33C22002840002	Analytical methods in mass spectrometry for the quantification of biomarkers of exposition to polluting agents in biological matrix in connection with environmental risks and models of assessment of exposition of subjects at risk.
5	PhD Scholarship NRRP CN	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Campioni Nazionali (CN mRNA) - CUP J33C22001140001	RNA Treatment of complex neurodevelopmental disorders that regulate common signaling pathways as gene therapy methods for pathology-specific deficits

6	PhD Scholarship NRRP CN	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Campioni Nazionali (CN mRNA) - CUP J33C22001140001	Development and testing of gene therapies and mRNA drugs for hereditary genetic mitochondrial diseases. In particular the project aims to validate the safety and efficacy of a nuclease library in matrilineally transmitted mitochondrial encephalopathies and gene therapies with AAV and CRISPR with genetic and / or epigenetic targets (miRNA) in the Mendelian inheritance forms
7	PhD Scholarship NRRP IR	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Infrastrutture di Ricerca (IR Strengthening BBMRI.it) - CUP B53C22001820006	Biobanks of tissues and biologic samples (including feces) for the prediction of disease courses and response to treatments.

Applicants awarded with PhD scholarships funded by Next Generation EU shall fulfil specific obligations foreseen in the relevant funding scheme and in the relevant regulations.

Admission Exams

The admission exams detailed schedule shall be published **starting from December 1st, 2022:**

- on the [University website](#), selecting the relevant PhD Programme > “More information”, at the bottom of the page in the section “Notices”;
- on [Studenti Online](#) (select “summary of the requests in progress” > “see detail” and open the .pdf file at the bottom of the page). **No personal written communication will be sent to applicants.**

Required and Supporting Documents to be attached to the application

All the documents listed below **shall be drawn up in English or in Italian.** In case of documents originally issued in any other language (e.g. identity document, qualifications), an official translation is required.

Only qualifications obtained **during the last 5 calendar years** shall be taken into consideration, except for the University Degree. The Admission Board will assess the relevance of the supporting documents to the PhD Programme.

REQUIRED DOCUMENTS	
Identity document	Valid identity document with photo (i.e. identity card, passport)
Curriculum Vitae	No specific CV format is required
Degrees	Documents attesting the awarding of the first and second cycle degrees, the exams taken and the marks obtained (see Art. 3 of the Call for Applications)
Research proposal	Multi-annual research proposal, with special emphasis on the activities to be completed during the first-year course . The proposal must meet the following requirements: <ul style="list-style-type: none"> - it must mention on the cover page the main research topic the applicant is interested to and the proposal is about; - it cannot exceed 20,000 characters, including spaces and formula possibly used. This figure does not include: the title of proposal, the outline, references and images (such as graphs, diagrams, tables, etc. - if present); - it must include: the state of the art; description of the proposal; expected results; articulation of the proposal and implementation times; outlining of the criteria meant to be used to assess the research results; references.
SUPPORTING DOCUMENTS	
Thesis abstract	Abstract of the second cycle degree thesis . Graduated applicants may submit the draft of the thesis. Abstracts cannot exceed 5,000 characters, including spaces and formula possibly used. The

	above figure does not include: the title of the thesis, the outline, references, and images such as graphs, diagrams, tables etc.
Reference letter/s	No more than 2 reference letters signed by Italian or international academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest in the scientific research. Letters shall be uploaded following the procedure detailed in the Call for Applications (Art. 3.2)
Personal Statement	The statement shall include the reasons prompting the applicant to attend the PhD Programme and those relevant experiences and research interests , that make the applicant suitable for the specific PhD Programme (3000 characters maximum, including spaces).
Publications	<ul style="list-style-type: none"> - Full text publications (i.e. monographs, articles on scientific journals) – max n. 10 - Full text minor publications (conference papers, etc.) - max n. 8 - Abstracts and posters presented during national and international conferences, etc. - max n. 8 Please, remember to attach a list of the minor publications and abstracts submitted to evaluation.
Other documents	<ul style="list-style-type: none"> - Postgraduate vocational training programmes relevant to the PhD Programme main research topics - Specialisation thesis abstract (max 5,000 characters) - Teaching activities carried out at academic level - Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, covered by research fellowships or grants, and as a staff member of research projects - Documents attesting the applicant's foreign languages proficiency - Peer reviewer activities on PubMed journals - Periods of research abroad, completed by applicants outside their countries of origin - Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc.) Please, remember to attach a list of the experiences submitted to evaluation.

Evaluation criteria*

Scores will be expressed in points out of 100, as follows.

1. Qualifications and research proposal evaluation

Minimum score for admission to the oral examination: 30 points, Maximum score: 50 points

Qualifications evaluation	First (Bachelor's) and second cycle (Master's) degrees final marks. Graduates shall be evaluated according to the Weighted Average Mark (WAM)	10 points max
	Publications	4 points max
	Reference letter/s	1 point max
	Other evaluable documents (CV, training and research activity, etc.)	3 points max
	Second cycle thesis abstract	4 points max
Research proposal evaluation	Scientific value and ground-breaking nature of the proposal	20 points max
	Structure of the proposal	4 points max
	Proposal feasibility	4 points max

2. Oral examination

Minimum score for eligibility: 30 points, Maximum score 50 points

English language proficiency	10 points max
Research proposal presentation	25 points max
General knowledge of the research topics linked to the available PhD positions	15 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of the research topics linked to the available PhD positions.

During the oral examination, the applicant's English language proficiency shall be assessed.

The oral examination is carried out in English.

* Possible further evaluation criteria will be available on the [University website](#), selecting the relevant PhD Programme > "More information".