

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	CELLULAR AND MOLECULAR BIOLOGY
DURATION	3 years
PROGRAMME START DATE	01/03/2023 (DD/MM/YYYY)
LANGUAGES	Italian, English
MANDATORY STAY ABROAD	3 months
COORDINATOR	Prof. Vincenzo Scarlato (vincenzo.scarlato@unibo.it)
PHD POSITIONS	6
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

Available Positions and Scholarships

Pos. n.	Financial Support	Description	Positions linked to research topics
1	PhD Scholarship NRRP CN	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Campioni Nazionali (CN HPC) - CUP J33C22001170001	Drug repurposing studies on known and newly discovered drug targets (Prof. Musiani)
2	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	Microglia immunomodulation through nucleic acids nanostructures targeted towards exosomal miRNAs in in vitro models (Dr. Zuccheri/Prof. Monti)
3	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	Study of Mrna targets and the regulatory mechanism of small non-coding RNAs of Helicobacter pylori that modulate hostbacterium interactions and contribute to the predisposition to stomach cancer (Dr. Vannini/Prof. Roncarati)
4	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	Identification of new gene therapy targets against Neuroblastoma: functional validation by in vivo RNA interference of genes over-expressed in a Drosophila Neuroblastoma model (Dr. Bernardoni/Prof. Perini)
5	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	Role of the PRR12 factor in neurodevelopmental diseases of the eye (NDVD) (Prof. Perini/Prof. Monti)

6	PhD Scholarship NRRP PE	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) - Partenariati Estesi (PE6 - HEAL ITALIA) - CUP J33C22002920006	Development of three-dimensional in vitro models to scale up the study of regulatory molecular circuits in cancer (Prof. Angelini)
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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)
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)
Curriculum Vitae	<p>The Curriculum Vitae must be drawn up using exclusively the Curriculum Vitae form, in Attachment 1 to the present PhD programme table and downloadable in .docx from the University Website (select the PhD Programme → “More information”, then check “Notices” at the bottom of the page). A 5 points penalty on the total qualification evaluation score shall be applied to applicants not using the attached form. The curriculum vitae must contain the following pieces of information, subject to evaluation:</p> <ul style="list-style-type: none"> - Name and final mark of the awarded second cycle degree, name of the awarding institution, thesis title and supervisor - Lists of publications (i.e. monographs, articles on scientific journals), minor publications (i.e. contributions in proceedings of national and international conferences, book chapters) and abstracts and posters presented during academic conferences - Research activity (please, indicate the kind and lengths of the research period; include research activities covered by research grants, and as a staff member of research units) - Periods of study abroad, outside the country of origin (e.g. Erasmus programme or other similar mobility programmes) - Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc)
Research proposal	<p>The multi-annual research proposal must meet the following requirements:</p> <ul style="list-style-type: none"> - it must be drawn up in English; - it must mention on the cover page the main research topic the applicant is interested to and the project 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; outline of the proposed findings assessment criteria; references. <p>The research proposals that successful applicants shall carry out during their PhD career may possibly differ from the one proposed at the application stage. This shall be defined together with the supervisor and approved by the Academic Board, according to the research topics</p>

	linked to the available PhD positions (see “Available Positions and Scholarships” table, column “Positions linked to research topics”).
SUPPORTING DOCUMENTS	
Personal statement	This must 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 (3,000 characters maximum, including spaces).

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	Second cycle degree final mark	10 points max (in brackets the points awarded to applicants holding a non-Italian degree, calculated according to the percentage with respect to the maximum score) - 10 points - 110 e lode (maximum score with honour) - 8 points - from 109 to 110 included (98-100% with respect to the maximum score) - 6 points - from 105 to 108 included (95-97% with respect to the maximum score) - 4 points from 101 to 104 included (90-94% with respect to the maximum score) - 3 points from 95 to 100 included (89-90% with respect to the maximum score)
	(for graduands only) Weighted Average Mark (WAM)	8 point max (in brackets the points awarded to applicants holding a non-Italian degree, calculated according to the percentage with respect to the maximum score) - 8 points - from 29 to 30 included (98-100% with respect to the maximum WAM score) - 6 points da 27 a 28 included (95-97% with respect to the maximum WAM score) - 4 points da 25 a 26 included (90-94% with respect to the maximum WAM score) - 3 points da 23 a 24 included (89-90% with respect to the maximum WAM score)
	Publications	7 points max - 3 points for each publication on an internationally renowned scientific journal - up to 1 point for each minor publication, poster or other evaluable publication
	Other qualifications (research activities, period of study abroad for no less than 1 continuative month)	3 points max (up to 1 point per month)
Research proposal evaluation	Scientific value and ground-breaking nature of the proposal	7 points max
	Description and structure of the proposal	7 points max
	Consistency of the proposal with the main research topics	12 points max

	encompassed by the PhD programme	
	Proposal feasibility	4 points max

2. Oral examination

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

English language proficiency	5 points max
Research proposal presentation	20 points max
General knowledge of the research topics linked to the available PhD positions	25 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 proficiency shall be assessed.**

The oral examination is carried out in Italian or English.

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

Attachment 1

Curriculum Vitae

PhD Programme in Cellular and Molecular Biology

Personal information

First name(s) / Surname(s)	
Nationality	
Date of birth [day, month, year]	
Gender	

University Education

Master (2-years)

Dates (start -end or planned end)				
Awarding institution	<i>(e.g. University of Bologna - Italy)</i>			
Title of qualification awarded	<i>(e.g. MSc in Biology)</i>			
Marks	YOUR mark	Minimum PASS mark	Maximum mark	ECTS conversion (if available)
Final grade (if available)				
Weighted average of the exams				
Title and topic of the Master's Thesis				

Master (5-years / Single cycle)

Dates (start -end or planned end)				
Awarding institution	<i>(e.g. University of Bologna - Italy)</i>			
Title of qualification awarded	<i>(e.g. MSc in Pharmacy)</i>			
Marks	YOUR mark	Minimum PASS mark	Maximum mark	ECTS conversion (if available)
Final grade (if available)				
Weighted average of the exams				
Title and topic of the Master's Thesis				

Employment

Currently employed	<input type="checkbox"/> Yes <input type="checkbox"/> No
Summary of current employment	

Past employment record and skills obtained	
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Publications

Please, list:

- *Publications of the last five years (considering the last day of the call)*
- *Only papers accepted or published at the last day if the call will be considered - Submitted papers will be excluded*
- *Abstracts/posters to conferences already held at the last day of the call*

ALL PAPERS/ABSTRACT MUST BE UPLOADED (or they will not be evaluated)

Abstract/poster presented in national and international conferences
Publication on national and international journals
Chapters in books

Research Experiences

Please, list periods of study abroad (Erasmus and/or others), scholarships, fellowships and research periods at universities or public/private institutions.

- *Periods of time are calculated at the date of closure of the call*
- *Periods must be within the last 5 years excluding the calendar year of this call.*

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Other qualifications

Please, list prizes and fellowships

- *last five years will be considered*

Prizes for scientific capability

Certificates proving education or scientific ability