# 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







PROGRAMME'S NAME	BIOTECHNOLOGICAL, BIOCOMPUTATIONAL,
	PHARMACEUTICAL AND PHARMACOLOGICAL SCIENCES
DURATION	3 years
PROGRAMME START DATE	01/03/2023 (DD/MM/YYYY)
LANGUAGES	Italian
MANDATORY STAY ABROAD	3 months
COORDINATOR	Prof.ssa Maria Laura Bolognesi ( <u>marialaura.bolognesi@unibo.it</u> )
PhD POSITIONS	4
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 mRNA) - CUP J33C22001140001	Targeting RNA for degradation with small molecules: development of ribonuclease targeting chimeras (RIBOTACs) (Prof. Bolognesi)
2	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 ElixirxNextGenIT) - CUP B53C22001800006	Development of computational methods for the structural and functional annotation of biological macromolecules and their variants, in the context of the ELIXIR tool ecosystem (Prof. Martelli)
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	Identification of proteolysis-targeting chimeras (PROTACs) directed to neuroinflammatory targets (Prof. Bartolini/Dr. Uliassi)
4	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	Multi-omics profiling of disease-associated microbiomes for the development of personalized precision intervention strategies (Prof. Turroni)

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 <u>University website</u>, selecting the relevant PhD Programme > "More information", at the bottom of the page in the section "Notices";
- on <u>Studenti Online</u> (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 DOCUME Identity document	Valid identity document with photo (i.e. identity card, passport)
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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	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
	<u>University Website</u> (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:
	- 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
	- Chosen position/s linked to a specific research topic (max n. 2)
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:
	- It must be drawn up in English;
	- it must mention on the cover page the topic-specific position/s 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);
	- <b>it must include</b> : 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.
	The research proposal 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.
SUPPORTING DOCUI	
Publications	- Full text publications (i.e. monographs, articles on scientific journals)
	- Full text minor publications (conference papers, abstracts and posters presented during
	national and international conferences, etc.)

#### 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

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Qualifications	Second cycle degree	10 points max distributed as follows:
evaluation	(Master's) final mark.	(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)	8 point max
	Weighted Average Mark	(in brackets the points awarded to applicants holding a non-
	(WAM)	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 pubblication on an internationally reknowned scientific journal
		- up to 1 point for minor publications, posters and other evaluable publications
	Other qualifications (research	3 points max
	activities, period of study or	- up to 1 point per month, for postgraduate experiences
	training, in Italy or abroad for	- up to 0,5 per month for Erasmus or other curricular
	no less than 1 continuative month)	experiences
Research proposal evaluation	Scientific value and ground- breaking nature of the proposal	7 points max
	Structure of the proposal	7 points max
	Consistency of the proposal with the PhD programme main topics	12 points max
	Proposal feasibility and potential impact	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 applicants English language proficiency shall be assessed.

The oral examination is carried out in Italian or in English.

\* Possible further evaluation criteria will be available on the <u>University website</u>, selecting the relevant PhD Programme

> "More information".

#### **Curriculum Vitae**

# PhD Programme in Biotechnological, Biocomputational, Pharmaceutical and Pharmacological Sciences

Personal information	
First name(s) / Surname(s)	
Nationality	
Date of birth [day, month, year]	
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# **University Education**

#### Master (2-vears)

Master (2-years)				
Dates (start -end or planned end)				
Awarding institution	(e.g. Univers	sity of Bologna -	Italy)	
Title of qualification awarded	(e.g. MSc in	Biology)		
Marks	YOUR mark	Minimum PASS mark	Maximum mark	ECTS conversion (if available)
Final grade (if available)				
Weighted average of the exams (if you are yet to obtain your degree)				
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Master (5-years / Single cycle)

Musier (5-years / Single cycle)				
Dates (start -end or planned end)				
Awarding institution	(e.g. Univers	ity of Bologna -	Italy)	
Title of qualification awarded	(e.g. MSc in	Pharmacy)		
Marks	YOUR mark	Minimum PASS mark	Maximum mark	ECTS conversion (if available)
Final grade (if available)				
Weighted average of the exams (if you are yet to obtain your degree)				
Title and topic of the Master's Thesis				

#### **Employment**

Currently employed	□Yes	□No
Summary of current employment		
Past employment record and skills		
obtained		

#### **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 of 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
Chapters in Books

# **Research Experiences**

•	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.
blic	e, list scholarships, fellowships and research periods at foreign Universities or in private institutions occurred during your Master's degree (including Erasmus periods of abroad, "Tesi all'estero", etc.).
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