PHD PROGRAMME TABLE
Call for Applications for further PhD positions
funded by Next Generation EU – NRRP ex M.D. 629/2024 and 630/2024
and from other sources - PhD programmes (40th cycle)
A.Y. 2024/2025

PROGRAMME'S NAME	**CELLULAR AND MOLECULAR BIOLOGY**
DURATION	3 years
PROGRAMME START DATE	01/11/2024 (DD/MM/YYYY)
LANGUAGES	Italian, English
COORDINATOR	Prof. Vincenzo Scarlato (vincenzo.scarlato@unibo.it)
PhD POSITIONS	1
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 PNRR ex M.D. 630/2024*	Funded by the EU - NextGenerationEU with funds made available by the National Recovery and Resilience Plan (NRRP) Mission 4, Component 2, Investment 3.3 (M.D. 630/2024) and by VST S.r.L.	Geometric Deep Learning for data fusion: PPG signals and genetic screening for health assessment

All PhD positions winners shall fulfill the learning and research obligations decided by the Academic Board and the obligations foreseen in the relevant regulations, funding schemes and eventual agreements, in the Call for Applications, and in the MM.DD. 629/2024 and 630/2024.

Admission Exams

	DATE AND TIME	RESULTS
Qualifications and research proposal evaluation	Applicants' participation is not required	Available from **29/08/2024**
Oral examination	**Date**: starting from **02/09/2024** – 9.30 a.m. CEST **Place**: Remotely, using Microsoft Teams	Available from **04/09/2024**

The results of the qualifications and research proposal evaluation shall be available on the webpage Studenti Online (select "summary of the requests in progress" > "see detail" and open the .pdf file at the bottom of the page) together with the oral examination detailed schedule. **No personal written communication will be sent to applicants concerning the examinations results**.

During the oral examination, applicants may express their interest in one or more positions linked to specific research topics.

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	**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: - 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	The multi-annual research proposal must meet the following requirements: - 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. 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 linked to the available PhD positions (see "Available Positions and Scholarships" table, column "Positions linked to research topics").

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 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) - 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	**6 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 (CV, research activities, period of study abroad for no less than 1 continuative month)	**4 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 encompassed by the PhD programme	12 points max
	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	30 points max
General knowledge of the PhD programme's main research topics and of programme's organization as described on the PhD programme's website	15 points max

Oral examination aims to assess the suitability of the applicant for scientific research as well as the general knowledge of the PhD programme's main research topics and 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	*(e.g. University 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				
Title and topic of the Master's Thesis				

Master (5-years / Single cycle)

Dates (start -end or planned end)				
Awarding institution	*(e.g. University 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				
Title and topic of the Master's Thesis				

Employment

Currently employed	☐Yes ☐No
Summary of current employment	

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Via Irnerio 49 | 40126 Bologna | Italia | Tel. + 39 051 2094620 | aform.udottricerca@unibo.it

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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 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.*

Other qualifications

Please, list prizes and fellowships

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- *last five years will be considered*

Prizes for scientific capability

Certificates proving education or scientific ability