

**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	DATA SCIENCE AND COMPUTATION
ASSOCIATED PARTNERS <i>Pursuant to art. 3 para 2 lett. b) of the MD n. 226/2021</i>	Istituto Italiano di Tecnologia – IIT INFN
DURATION	3 years
PROGRAMME START DATE	01/11/2024 (DD/MM/YYYY)
LANGUAGES	Italian, English
COORDINATOR	Prof. Daniele Bonacorsi ( <a href="mailto:daniele.bonacorsi@unibo.it">daniele.bonacorsi@unibo.it</a> )
PhD POSITIONS	3
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

### Available Positions and Scholarships

Pos. n.	Financial Support	Description	Positions linked to research topics
1	<b>PhD Scholarship PNRR ex M.D. 630/2024</b>	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 IRCSS Azienda Ospedaliero - Universitaria di Bologna	Development of a Computational Infrastructure for the Analysis, Integration, and Management of Clinical Genomic Data
2	<b>PhD Scholarship PNRR ex M.D. 630/2024</b>	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 Look at me Italia S.r.l.	New methodologies of video analysis for the development of intelligent cameras
3	<b>PhD Scholarship PNRR ex M.D. 630/2024</b>	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 Studio Oculistico d'Azeglio S.r.l.	Deep Learning methods for the early diagnosis of Optic Neuropathies

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 <b>21/08/2024</b>

<b>Oral examination</b>	<b>Date:</b> starting from <b>27/08/2024 – 9.30 a.m. CEST</b> <b>Place:</b> Remotely, using Microsoft Teams	Available from <b>03/09/2024</b>
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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	
<b>Identity document</b>	Valid identity document with photo (i.e. identity card, passport)
<b>Curriculum Vitae</b>	The Curriculum Vitae must be drawn up using the <a href="#">CV form</a> , downloadable in .docx from the <a href="#">University website</a> (select the PhD Programme → “More information”, then check “Notices” at the bottom of the page). <b>A 5 points penalty on the total qualification evaluation score shall be applied to applicants not using the above-mentioned CV form.</b>
<b>Degrees</b>	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). Applicants are required to indicate the Weighted Average Mark (WAM) for each degree submitted.
<b>Research proposal</b>	Brief research statement (3 pages maximum in Times New Roman 11, with references including maximum 20 articles). <b>A 5 points penalty on the total Research Statement evaluation score shall be applied to applicants exceeding the indicated maximum lengths.</b>
SUPPORTING DOCUMENTS	
<b>Publications</b>	Lists of publications (i.e. monographs, articles on scientific journals), minor publications (conference papers, book’s chapters etc.), abstracts and posters presented during national and international conferences, etc.
<b>Other documents</b>	<ul style="list-style-type: none"> <li>- Postgraduate vocational training programmes relevant to the PhD Programme main research topics</li> <li>- Teaching activity carried out at university level</li> <li>- Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research projects</li> <li>- Work activity</li> <li>- Curricular or non-curricular professional internships</li> <li>- Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc.)</li> </ul>

## 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

<b>Qualifications evaluation</b>	First cycle degree Weighted Average Mark (WAM) - 50% Second cycle degree Weighted Average Mark (WAM) - 50% Or Single cycle degree Weighted Average Mark (WAM) - 100% Or “Vecchio ordinamento” Italian degree (pre-1999 reform) average mark - 100%	25 points max
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	For degrees awarded abroad – CGPA - 100%	
	Publications	4 points max
	Postgraduate scholarships, research grants, research activity carried out in Universities, public or private bodies, in the last 5 years and after being awarded a second cycle degree	2 points max
	Other qualifications attesting the applicant's training and skills	3 points max
	Participation in conferences as a speaker or author/co-author of original contributions	1 points max
<b>Research proposal evaluation</b>	Scientific value and ground-breaking nature, structure and feasibility of the proposal (note that a 5 points penalty on the total evaluation score of this item shall be applied to applicants exceeding the maximum lengths of three pages)	15 points max

## 2. Oral examination

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

English language proficiency	10 points max
Research proposal presentation	15 points max
General knowledge of the PhD programme's main research topics and 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 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 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 [University website](#), selecting the relevant PhD Programme > "More information".