

**PhD Programme Table - 39th cycle**  
**Call for Applications for further PhD positions**  
**funded by Next Generation EU - NRRP ex M.D. 117/2023 and 118/2023**  
**and from other sources - PhD Programmes (39th cycle)**  
**A.Y. 2023/2024**



Section "Available Positions and Scholarships" integrated on 20/07/2023

Sections "Available Positions and Scholarships" / "Admission Exams" integrated on 02/08/2023

PROGRAMME'S NAME	<b>SURGICAL SCIENCES AND INNOVATIVE TECHNOLOGIES</b>
DURATION	3 years
PROGRAMME START DATE	01/11/2023 (DD/MM/YYYY)
LANGUAGES	Italian, English
COORDINATOR	Prof. Bianca Maria Piraccini ( <a href="mailto:biancamaria.piraccini@unibo.it">biancamaria.piraccini@unibo.it</a> )
PHD POSITIONS	9
ADMISSION PROCEDURE	Qualifications and research proposal evaluation Oral examination

### Available Positions and Scholarships

Pos. n.	Financial Support	Description	Positions linked to a specific research topic
1	<b>PhD Scholarship PNRR ex M.D. 117/2023</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. 117/2023) and by Ordine delle Professioni Infermieristiche di Forlì Cesena	Evaluation and development of new technologies and new dressings in the treatment of skin ulcers and in the approach to skin and soft tissue wounds
2	<b>PhD Scholarship PNRR ex M.D. 117/2023</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. 117/2023) and by Alifax S.r.l	Development of molecular technologies for the rapid diagnosis of infectious diseases
3	<b>PhD Scholarship PNRR ex M.D. 117/2023</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. 117/2023) and by DiaSorin Italia S.p.A.	Development and diagnostic validation of recombinant antigens from Arbovirus
4	<b>PhD Scholarship PNRR ex M.D. 117/2023</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. 117/2023) and by IRCCS Azienda Ospedaliero Universitaria di Bologna	Development of new research activities in the "field of robotic surgery"
5	<b>PhD Scholarship</b>	Funded by Sanofi Srl	Creation of an interdisciplinary network to improve the management of adult and paediatric patients with moderate to severe atopic dermatitis, in the presence of type 2 inflammatory comorbidities

6	<i>PhD Position without Scholarship</i>		Development and Validation of Computer Vision and Artificial Intelligence Algorithms to support image-guided surgery
7	<i>PhD Position without Scholarship</i>		Determinants of plaque evolution in asymptomatic carotid stenosis
8	<i>PhD Position without Scholarship</i>		High tibial osteotomy for treatment of knee osteoarthritis: definition of a decision-making diagnostic algorithm and development of a personalised surgical procedure
9	<i>PhD Scholarship PNRR ex M.D. 117/2023</i>	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. 117/2023) and by Angiodroid S.p.A.	Development of a technique for preimplantation washing of endovascular thoracic prostheses with carbon dioxide for the reduction of risk of cerebral embolisms and post-operative infarctions

The number of positions and scholarships may be incremented in case additional funding becomes available, notwithstanding the terms of the application process as detailed in Art. 3 of the Call for Applications. Any amendment, update or integration of the Programme Table will be published, even after the Call for Applications has expired. Any further PhD positions shall be integrated in the PhD Programme Table within ten days before the oral examination.

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, and in the Call for Applications. Moreover, applicants awarded with PhD scholarships funded by Next Generation EU shall fulfill specific obligations foreseen in the relevant funding scheme, in the relevant regulations and in the Call for Applications.

## Admission Exams

	DATE AND TIME	RESULTS
<b>Qualifications and research proposal evaluation</b>	Applicants' participation is not required	Available from <b>04/09/2023**</b>
<b>Oral examination</b>	<b>Date:</b> starting from <b>06/09/2023 – 9.00 a.m. CEST*</b> <b>Place:</b> In presence Aula Giada Dermatologia, Via Massarenti 1, Bologna. Remotely, using Microsoft Teams	Available from <b>08/09/2023**</b>

\* In case that the oral examination cannot be completed in one day due to the large number of applicants, the oral examination detailed schedule shall be made available on the webpage [Studenti Online](#) together with the results of the qualifications and research proposal evaluation. **During the oral examination, applicants may express their interest in one or more positions linked to specific research topics.**

\*\* The **results of the admission exams** will 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). **No personal written communication will be sent to applicants concerning the examinations results.**

## 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>	No specific CV format is required
<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)
<b>Research proposal</b>	Multi-annual research proposal, with special emphasis on the <b>activities to be completed during the first-year course</b> . The proposal must meet the following requirements: <ul style="list-style-type: none"> <li>- it must <b>mention on the cover page the main research topic</b> the applicant is interested to and the proposal is about;</li> <li>- <b>it cannot exceed 20,000 characters</b>, 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);</li> <li>- <b>it must include</b>: the state of the art; description of the proposal; expected results; outlining of the criteria meant to be used to assess the research results; references.</li> </ul> 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.
<b>SUPPORTING DOCUMENTS</b>	
<b>Thesis abstract</b>	Abstract of the <b>second cycle degree thesis</b> . Graduands 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.
<b>Reference letter/s</b>	<b>No more than 1 reference letters</b> 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)
<b>Personal Statement</b>	The statement shall include the reasons prompting the applicant to attend the PhD Programme and <b>those relevant experiences and research interests</b> , that make the applicant suitable for the specific PhD Programme (3,000 characters maximum, including spaces).
<b>Publications</b>	Lists of publications (i.e. monographs, articles on scientific journals) and minor publications (conference papers, 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>- Specialisation thesis</li> <li>- Teaching activities carried out at academic 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>- Periods of study abroad, completed by applicants outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes)</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 (Bachelor's) and second cycle (Master's) degree final mark. Graduands shall be evaluated according to the Weighted Average Mark (WAM)	10 points max
	Publications and other evaluable documents	10 points max
<b>Research proposal evaluation</b>	Scientific value and ground-breaking nature of the proposal	20 points max
	Structure of the proposal	5 points max
	Proposal feasibility	5 points max

### 2. Oral examination

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

English language proficiency	10 points max
Research proposal presentation	20 points max
General knowledge of the PhD programme's main research topics and of the research topics linked to the available PhD positions	20 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".