



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

AREA
FORMAZIONE E DOTTORATO

PHD PROGRAMME TABLE

Call for applications for the admission to the PhD programmes (42nd cycle) - A.Y. 2026/2027
Second round

Section "Available Positions and Scholarships" integrated on 29/05/2026

PROGRAMME'S NAME	SURGICAL SCIENCES AND INNOVATIVE TECHNOLOGIES
DURATION	3 years
PROGRAMME START DATE	01/11/2026 (DD/MM/YYYY)
LANGUAGES	Italian, English
COORDINATOR	Prof. Emanuela Marcelli (emanuela.marcelli@unibo.it)
PhD POSITIONS	13
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	PhD Scholarship	Totally funded by the University of Bologna general budget	Innovative techniques for the Characterization of Dysmetabolic and Cardiovascular Risk in Female Endocrine Disorders
2	PhD Scholarship	Totally funded by the University of Bologna general budget	Patient-specific simulation in head and neck surgery: from digital modelling to competency-based training
3	PhD Scholarship	Totally funded by the University of Bologna general budget	Innovative technologies to Restore Chemosensitivity in Chemoresistant Solid Tumors
4	PhD Scholarship	Totally funded by the University of Bologna general budget	Integration of Imaging, Surgical, and Histological Data for Quantitative Modeling in inflammatory Bowel Diseases
5	PhD Scholarship	Totally funded by the University of Bologna general budget	Evaluation of Perfusion CT in the indications for Carotid Revascularization
6	PhD Scholarship	Funded by the Dept. of Medical and Surgical Sciences	Predictive factors, complications, and clinical outcomes in the endovascular treatment of complex aortic diseases
7	PhD Scholarship	Funded by the Dept. of Medical and Surgical Sciences	Computational Modeling of Cardiovascular Fluid Dynamics for the Identification of Predictive Parameters of Post-Treatment Complications in Surgically and Endovascularly Treated Aortic Diseases
8	PhD Position without a Scholarship		Innovative technologies for simulation and training in vascular surgical procedures
9	PhD Scholarship	Funded by the Dept. of Medical and Surgical Sciences	Research, technological innovation, and advanced orthopedic devices in lower limb surgery

10	PhD Scholarship	Funded by the Dept. of Medical and Surgical Sciences	Innovative technologies in the field of surgical prevention
11	PhD Position without a Scholarship		Development of integrated predictive models for the assessment of nocebo risk in patients with psoriasis receiving biological therapy
12	PhD Position without a Scholarship		Innovative technologies for biomechanical movement analysis in the orthopedic field, with applications in lower-limb injury prevention and post-surgical rehabilitation
13	PhD Scholarship	Funded by Adler Ortho S.p.A.	Innovative technologies and regenerative strategies in lower limb orthopedic surgery

The yearly gross amount of the scholarships awarded for the PhD Programme in “Surgical sciences and innovative technologies” is €18,341.04.

All winners of PhD positions must fulfil the study and research obligations decided by the Academic Board, as well as the obligations set out in the relevant regulations, in the call for applications, in the funding schemes and in any agreements relating to specific positions.

Admission Exams

	DATE AND TIME	RESULTS
Qualifications and research proposal evaluation	Applicants’ participation is not required	Available from 08/07/2026
Oral examination	Date: starting from 15/07/2026 – 9.00 a.m. CEST Place: In presence Aula Pisi, Pad. 11, Policlinico S. Orsola Malpighi, Via Massarenti 9, Bologna. Remotely, using Microsoft Teams	Available from 20/07/2026

The results of the qualifications and research proposal evaluation, as well as the oral examination detailed schedule, shall be available on the webpage [Studenti Online](#) (select “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.

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

Required and Supporting Documents to be attached to the application

Only documents in Italian or English will be considered valid and will be assessed by the Admission Board. Identity documents and diplomas/degree certificates issued in a language other than Italian or English must be accompanied by an official translation. The translation must be carried out by an authorized body or by the awarding university. Only qualifications obtained in the last 5 years will be taken into account, with the exception of university degrees. 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)
Curriculum Vitae	No specific CV format is required
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)
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 mention on the cover page the position/s linked to a specific research topic the applicant is interested to and the proposal is about; - it must include: title of the proposal; description of the proposal; main activities and timeline; 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. In accordance with the University's policy on the ethical and responsible use of Generative Artificial Intelligence in teaching and research activities, candidates must explicitly state whether they have used Generative Artificial Intelligence systems in the production of the research proposal attached to their application form, specifying which tools were used and for which parts of the document. During the oral examination, the Admission Board will assess the candidate's full mastery of the content included in the document and their ability to justify the methodological and scientific choices made in the project.
SUPPORTING DOCUMENTS	
Reference letter/s	No more than 2 reference letters 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)
Personal Statement	The statement shall 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).
Publications	Lists of publications (i.e. monographs, articles on scientific journals) and minor publications (conference papers, etc.)
Other documents	- Postgraduate vocational training programmes relevant to the PhD Programme main research topics - Specialisation thesis - Teaching activities carried out at academic level - 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 - Work activity - Curricular or non-curricular professional internships - Periods of study abroad, completed by applicants outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes) - Other qualifications attesting the suitability of the applicants (scholarships, prizes, 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

Qualifications evaluation	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	8 points max
	Reference letters	1 point max
	Personal statement	1 point max
Research proposal evaluation	Scientific value and ground-breaking nature of the proposal	15 points max
	Structure of the proposal	10 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 includes the presentation and discussion of the research proposal and 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".