

PhD PROGRAMME IN CLINICAL PATHOPHYSIOLOGY
ACADEMIC YEAR 2026/2027 (42ND CYCLE)

Coordinator professor *Luca Bruschini*

Administrative headquarters: Department of Surgical, Medical, Molecular and Critical Area Pathology
(<http://www.medpat.unipi.it>)

SELECTION PROCEDURES

Total no. of positions with grant 7

FISIO01_B	Type of selection procedure Single ranking list		
	No. of available positions with grant 2 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	2	University of Pisa	
FISIO02_B	Type of selection procedure Single ranking list for research project		
	No. of available positions with grant 1 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine of the University of Pisa	Perioperative study of the main pathophysiological alterations in patients undergoing major organ-sparing surgery.
FISIO03_B	Type of selection procedure Single ranking list for research project		
	No. of available positions with grant 1 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine of the University of Pisa	Specific stimulation of the p75NTR receptor and blockade of TrkA may represent an alternative anti-remodeling strategy in cellular models of pulmonary arterial hypertension (PAH).

FISIO04_B	Type of selection procedure Single ranking list for research project		
	No. of available positions with grant 1 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	Tecnoss-Dental s.r.l	Alveolar ridge preservation (ARP) in post-extraction sockets regenerated with Lamina versus Derma and collagenated porcine bone: a randomized controlled trial (RCT).
FISIO05_B	Type of selection procedure Single ranking list for research project		
	No. of available positions with grant 1 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	Fondazione Istituto Italiano di Tecnologia IIT	Multifunctional piezoelectric nanomaterials for controlled drug delivery and cellular electromechanical stimulation.
FISIO06_B	Type of selection procedure Single ranking list for research project		
	No. of available positions with grant 1 of which		
	No.	Funding organisation / Partner institution	Subject / Research project (if any)
	Positions with grant		
	1	Medtronic Italy S.p.A	Intraoperative imaging-guided neurosurgery

NB: For the above-mentioned selection procedures, candidates who, on the closing date of the Call for applications, are employed under a subordinate employment contract with a public body, for a duration at least equal to that of the PhD programme, may choose whether to:

1. participate in the selection as a public employee, thereby automatically waiving the doctoral grant;
2. participate in the selection for a position with grant, without declaring their status as a public employee at the application stage.

Applicants who are public employees, in the case referred to under point 1, must declare their status during the above-mentioned online application procedure by selecting the corresponding option in the dedicated field available on the “Alice” platform <https://www.studenti.unipi.it>. Such candidates must also submit a self-declaration certifying their employment with the relevant public body, in accordance with Annex 1 to the Call for applications. Any applicant who, when submitting the online application, declares that they wish to participate as a public employee shall automatically waive the grant, and the provisions governing the ranking list set out in Article 5 of the Call shall apply. This choice is irrevocable and may not be changed at a later stage.

The information below applies to all the selection procedures indicated above

ADMISSION REQUIREMENTS (Article 3 of the Call for applications)

Master’s Degree (LM) /Second Degree (Specialistica-LS) (or Old system University Degree): **ALL**

or
equivalent academic qualification in accordance with *Ministerial Decree of 9 July 2009* to be obtained by **31 October 2026**.
In the event that the degree has not yet been awarded by the deadline of the Call for applications, the candidate must attach a list of the examinations taken, including the corresponding marks.

Important: In this regard, during the online application procedure for the selection, the candidate must attach a self-declaration concerning the degree already obtained, or to be obtained, drawn up in accordance with Presidential Decree no. 445/2000, as per Annex 2 to the Call for applications.

SELECTION METHODS AND CRITERIA (*Article 4 of the Call for applications*)

Curriculum vitae

The CV, duly signed and accompanied by a photocopy of a valid identity document, must be uploaded exclusively during the online application procedure for the selection, and must outline the candidate's educational background, as well as their professional and research experience. **Candidates are advised to submit any documentation deemed useful for the purposes of assessing the CV.**

Interview

The interview which will be conducted entirely in English shall assess the candidate's knowledge, aptitude for research, willingness to undertake training pathways in Italy and abroad, and interest in further scientific study.

Videoconferencing YES

Candidates wishing to take the interview by videoconference must upload the VIDEO Annex to the Call for applications **exclusively during the online application procedure for the selection**. Requests received after the deadline of the Call for applications (**10 August 2026**) shall be submitted to the Selection Committee, which will assess whether to accept them in light of the technical time required to organise the interview by videoconference.

Research Project:

to be presented at the interview

The research project must be uploaded **must be uploaded during the online application process using the attached form**.

The research project, assessed together with the CV, is intended to highlight the candidate's ability to design a research proposal and to verify the consistency of its content with the PhD programme themes.

The research project, which will be discussed during the interview, must be presented by the candidate in order to demonstrate its feasibility and sustainability.

	Minimum score	Maximum score
CV	0	10
Interview	21	30
Eligibility is achieved with a minimum score of 21 out of 40 points		

SCHEDULE OF THE TESTS

The tests may take place in the period **between 14 and 30 September 2026**.

The schedule of the tests, for each of the selections below, will be published **by 24 July 2026** at <https://www.unipi.it/bando-dottorato>, including the indication of the venue where they will be held.

RANKING LIST AND ENROLMENT

Article 5 of the Call for applications sets out:

- the procedures for drawing up the ranking list
- the date of publication of the ranking list
- the procedures and deadlines for enrolment
- the procedures and deadlines for subsequent admissions from the ranking list.

Important: Subsequent admissions from the ranking lists, after 6 October and until 31 December 2026, are permitted only for "open" grants (i.e. those without a specific research topic), namely: **FISIO01_B**

In the other selection procedures, as they involve subject-based grants, any unassigned positions at the end of the third round of admissions from the ranking list will be made available by means of a specific notice, to be issued by Rector's Decree in November. Such notice will be reserved for eligible candidates suitably placed in the ranking lists of the selection procedures already completed and will be published at <https://www.unipi.it/didattica/corsi/dottorati/>.

With regard to the publication of the notice and the procedures for the reallocation of the grants, **no individual email communication will be sent to eligible candidates**, as all relevant information will be provided upon publication of the ranking lists.

INFORMATION ON THE TEACHING ACTIVITIES OF THE PROGRAMME

Educational project and objectives of the programme:

<https://www.unipi.it/didattica/corsi/dottorati/scienze-mediche-farmaceutiche-e-veterinarie/fisiopatologia-clinica/>

Curricula of the PhD programme

1. *Pathological Anatomy and Oncology*
2. *Bio-Psychological and Statistical*
3. *Cardiopulmonary*
4. *Surgical, Integrated Surgical and Anaesthesiological*

PhD programme website:

<https://physpath.med.unipi.it/>

PhD programme regulations:

<https://www.unipi.it/wp-content/uploads/Fisiopatologia-clinica.pdf>

Applicant Name	
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RESEARCH PROJECT PROPOSAL
(Use plain typed text, in English)

Proposal title	
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<u>Area</u> <i>Research program of the Doctorate which the project refers to</i>	
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<u>Summary of proposal</u> <i>Brief summary of the research project, highlighting objectives and milestones (maximum 500 characters)</i>	
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<u>Current state of the art of the research field</u> <i>(maximum 2.000 characters)</i>	
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<u>Research objectives and methods</u> <i>detailed description of the research project, emphasizing innovative aspects and scientific relevance (maximum 4.000 characters)</i>	
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<u>Outline of work plan</u> <i>methodology, time scales, milestones; duration should be no more than three years (maximum 2.500 characters)</i>	
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