

**PhD PROGRAMME IN CLINICAL AND TRANSLATIONAL SCIENCES**  
**ACADEMIC YEAR 2026/2027 (42<sup>ND</sup> CYCLE)**  
**Coordinator professor Mauro Pistello**

**Administrative headquarters:** Department of Department of Translational Research and New Technologies in Medicine and Surgery  
<http://www.medtrasl.unipi.it>

**SELECTION PROCEDURES**

**Total no. of positions available 6**

of which

**No. of positions with grant 5**

**No. of positions reserved for holders of an employment contract: 1**

|            |                                                                                                                                                                                                                                                                                        |                                                                                                 |                                                                                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SC_CLI01_B | <b>Type of selection procedure</b><br>Single ranking list                                                                                                                                                                                                                              |                                                                                                 |                                                                                                                                                                          |
|            | <b>No. of available positions with grant 2</b><br>of which                                                                                                                                                                                                                             |                                                                                                 |                                                                                                                                                                          |
|            | <b>No.</b>                                                                                                                                                                                                                                                                             | <b>Funding organisation / Partner institution</b>                                               | <b>Subject / Research project</b><br>(if any)                                                                                                                            |
|            | <b>Positions with grant</b>                                                                                                                                                                                                                                                            |                                                                                                 |                                                                                                                                                                          |
|            | 2                                                                                                                                                                                                                                                                                      | University of Pisa                                                                              |                                                                                                                                                                          |
| SC_CLI02_B | <b>Type of selection procedure</b><br>Subject-specific PhD grants with separate ranking lists: no. of ranking lists 3                                                                                                                                                                  |                                                                                                 |                                                                                                                                                                          |
|            | <b>No. of available positions with grant 3</b><br>of which                                                                                                                                                                                                                             |                                                                                                 |                                                                                                                                                                          |
|            | <b>No.</b>                                                                                                                                                                                                                                                                             | <b>Funding organisation / Partner institution</b>                                               | <b>Subject / Research project</b><br>(if any)                                                                                                                            |
|            | <b>Positions with grant</b>                                                                                                                                                                                                                                                            |                                                                                                 |                                                                                                                                                                          |
|            | 1                                                                                                                                                                                                                                                                                      | Department of Department of Translational Research and New Technologies in Medicine and Surgery | Quantitative risk assessment of HPV cross-contamination in endocavitary medical devices: evaluation of high-level disinfection strategies and residual viral persistence |
|            | 1                                                                                                                                                                                                                                                                                      | Fondazione GONO GI                                                                              | Predictive and Prognostic Biomarkers in Early-Stage and Advanced Colorectal Cancer                                                                                       |
|            | 1                                                                                                                                                                                                                                                                                      | Istituto Superiore di Sanità                                                                    | Artificial Intelligence and Innovative Digital Solutions for the Automated Surveillance of Healthcare-Associated Infections (HAIs)                                       |
|            | <b>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:</b> |                                                                                                 |                                                                                                                                                                          |

|            | <p>1. <u>participate in the selection as a public employee, thereby automatically waiving the doctoral grant;</u><br/>2. <u>participate in the selection for a position with grant, without declaring their status as a public employee at the application stage.</u></p> <p>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 <a href="https://www.studenti.unipi.it">https://www.studenti.unipi.it</a>. 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 <u>may not be changed at a later stage</u></p> |                                                                                                                                                                                                                    |                     |                                        |   |          |                                                                                                                                                                                                                    |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------|---|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SC_CLI03_B | <p><b>Type of selection procedure</b></p> <p>Ranking list reserved for employees of O2up srl (registered office Reggio Emilia (RE), via Walpot 28e)</p> <div><p><b>Positions reserved for candidates holding a formalised employment contract, of a duration at least equal to that of the programme, with public or private partner organisations affiliated with the University of Pisa</b> (with continued payment of salary) – Article 3 of the Call for applications</p><table><tr><th>No.</th><th>Partner institution</th><th>Subject / Research project<br/>(if any)</th></tr><tr><td>1</td><td>O2up srl</td><td>Establishing the IRT Protocol as a New Standard for Aerobic Assessment in Elite Male and Female Footballers and Defining the Minimum Effective Training Dose for Match-Specific Performance in Professional Soccer</td></tr></table></div>                                                                                                                                                                                                                                                                 | No.                                                                                                                                                                                                                | Partner institution | Subject / Research project<br>(if any) | 1 | O2up srl | Establishing the IRT Protocol as a New Standard for Aerobic Assessment in Elite Male and Female Footballers and Defining the Minimum Effective Training Dose for Match-Specific Performance in Professional Soccer |
| No.        | Partner institution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Subject / Research project<br>(if any)                                                                                                                                                                             |                     |                                        |   |          |                                                                                                                                                                                                                    |
| 1          | O2up srl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Establishing the IRT Protocol as a New Standard for Aerobic Assessment in Elite Male and Female Footballers and Defining the Minimum Effective Training Dose for Match-Specific Performance in Professional Soccer |                     |                                        |   |          |                                                                                                                                                                                                                    |

### **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 **during the online application procedure for registration using the template attached to the form** and presented during the interview in order to demonstrate the candidate's ability to design and develop a research project.

The maximum number of characters specified in the template is to be understood as including spaces. The bibliography is not included in this character limit."

The research project 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                                                                                                       | 15            | 30            |
| Candidates who have obtained a score of at least 15 out of 30 points shall be admitted to the interview. |               |               |
| Interview                                                                                                | 40            | 70            |
| Eligibility is achieved with a minimum score of 55 out of 100 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: **SC\_CLI01\_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/scienze-cliniche-e-traslazionali/>

#### **Curricula of the PhD programme**

1. Endocrinology, Metabolism and Cardiovascular Diseases
2. Oncology and Molecular Medicine
3. Imaging, Simulation and Planning
4. Neuroscience
5. Immunology and Microbiology

6. Public Health.

**PhD programme website:**

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

**PhD programme regulations:**

<https://alboufficiale.unipi.it/wp-content/uploads/2018/11/scienzeclinichetraslazionali.pdf>

|                       |  |
|-----------------------|--|
| <b>Applicant Name</b> |  |
|-----------------------|--|

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

|                       |  |
|-----------------------|--|
| <b>Proposal title</b> |  |
|-----------------------|--|

|                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Curriculum preference</b><br><i>Choose the curriculum that interests you from those listed below. The choice is not binding for the enrollment in PhD course</i> | <input type="checkbox"/> <b><u>Endocrinology, Metabolism and Cardiovascular Diseases</u></b><br><input type="checkbox"/> <b><u>Oncology and Molecular Medicine</u></b><br><input type="checkbox"/> <b><u>Imaging, Simulation and Planning</u></b><br><input type="checkbox"/> <b><u>Neuroscience</u></b><br><input type="checkbox"/> <b><u>Immunology and Microbiology</u></b><br><input type="checkbox"/> <b><u>Public Health</u></b> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                     |  |
|-------------------------------------------------------------------------------------|--|
| <b>Area</b><br><i>Research program of the Doctorate which the project refers to</i> |  |
|-------------------------------------------------------------------------------------|--|

|                                                                                                                                                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b><u>Summary of proposal</u></b><br><i>Brief summary of the research project, highlighting objectives and milestones (maximum 500 characters)</i> |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|

|                                                                                                   |  |
|---------------------------------------------------------------------------------------------------|--|
| <b><u>Current state of the art of the research field</u></b><br><i>(maximum 2.000 characters)</i> |  |
|---------------------------------------------------------------------------------------------------|--|

|                                                                                                                                                                                                  |  |
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| <b><u>Research objectives and methods</u></b><br><i>detailed description of the research project, emphasizing the innovative aspects and the scientific relevance (maximum 4.000 characters)</i> |  |
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| <b><u>Outline of work plan</u></b><br><i>methodology, time scales, milestones; duration should be no more than three years (maximum 2.500 characters)</i> |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|