



UNIVERSITÀ DI PISA

Excerpt from the Rector's decree n. 668/2023

Call for the selection of n. 7 Junior Research Fellows (Under the Italian Law 240/2010 article 24, subparagraph 3, point a)

The University of Pisa announces a call for 7 Junior Fixed-Term Research Fellows for the Departments and the Academic Fields or Academic Disciplines as listed in Annex A.

The fixed-term contract is to carry out research activities, teaching, integrative teaching activities and services for students, for a 350 hours commitment, on a full-time basis.

The Junior Research Fellow is required to perform lectures for a minimum of 36 up to a maximum of 60 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree programs, Specialization Schools and PhD programs. It is possible to provide a further derogation up to a maximum of 72 hours, in order to avoid an excessive partitioning of teaching modules.

The Researcher will carry out healthcare activity without remuneration at University of Pisa Hospital Corporation.

Contract duration: 3 years

Deadline for application: 22nd of May 2023, 1 p.m.

Admission requirements

PhD or equivalent academic qualification awarded in Italy or abroad and recognized as eligible for admission. As for a qualification awarded abroad, equivalency or comparability documentation has to be provided as stated under:

D.Lgs.165/2001, article 38:

http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivalenza_Titoli_Accademici.pdf

Or under:

D.P.R. 382/1980, article 74:

<https://www.unipi.it/index.php/titoli-accademici-esteri>

As for an equivalent or comparable academic qualification, the candidate shall be admitted within the application's deadline and shall provide the qualification equivalency or comparability before the signing of the contract.

No admission to this selection for:

- Professors or Research Fellows with permanent position at the university, currently employed or currently retired.
- Fixed-term Research Fellowship or Post PhD research grants at the University of Pisa or other Italian universities, either public, private or online, and other public institutions (Under the Italian Law Italian Law n. 240/2010, articles 22 and 24) for a period that, totaled over this contract, would exceed 12 years altogether, even when not consecutive. As for the duration of the working period mentioned above, parental leave or medical leave, are excluded (under the existing legislation).

Applications

Applications are to be submitted online only, using the following link: <https://pica.cineca.it/unipi/> or shall be invalid. It is necessary to have an email address to login and complete the application.

Applicants should fill in all the required data and upload all documents in PDF format.

The system allows saving a draft of the application within the application deadline. The system will register the online application date and send a receipt with an automatic e-mail reply. After deadline, the system will not allow login nor application submission.

In order to be valid, application shall include all the required data, applicant's signature and a valid identification document.

Each application will be assigned a tracking number to be cited in all subsequent communications, together with the selection code provided by the application form.

Applicants undertake to communicate in writing any variations of what declared in the application form.

The communication shall be edited in PDF format, signed and forwarded to the University of Pisa Rector via the Italian certified e-mail system address (P.E.C. Posta Elettronica Certificata): protocollo@pec.unipi.it or via e-mail at: concorsi@adm.unipi.it. Applicant's valid identification document shall be annexed.

For further information on application submission, please refer to concorsi@adm.unipi.it

For any IT malfunctioning please refer to unipi@cineca.it.

Applications shall be completed with the following annexes:

1. A self-attested Curriculum of the personal didactics, teaching and scientific activities, dated and signed;
2. The Publications applicant considers eligible for this selection with the corresponding list dated and signed;
3. A complete list of all Publications, dated and signed;
4. A copy of the fiscal code (if applicable) and identification card/passport, dated and signed;

All publications should not exceed 30 megabyte and are to be submitted in PDF format only, using the specific section of the application form.

Selection procedure

A Rector's Decree will appoint the Selection Committee, consisting of three members.

The selection will be made according to a preliminary assessment of the candidates with an accurate and evidenced analytic evaluation of the Curriculum, of qualifications and scientific results, including PhD thesis.

After the preliminary assessment, the candidates that have comparatively proven to be the most meritorious, will be admitted to an open interview; they will represent between 10 and 20 % of the total and will be not less than six. The interview will concern applicant's qualifications and scientific results. In the event the number of applicants is six or less, all candidates are admitted.

Information about date, time, list of candidates admitted, and the conditions of the assessment interview will be published on the University website at the following link: <https://bandi.unipi.it/public/Bandi?type=RIC>, in the specific section reserved to the selection, on the **29th of May 2023** (with a twenty days' notice guarantee).

The publication on the University website is to be regarded as convocation notice for the participants to the selection, who must show the day and time indicated; no further communications will be published. The failed attendance to the interview will be considered as a voluntary waiver to the selection.

Selection Committee meetings for purposes other than qualifications and publications assessment may be held remotely, in whole or in part, using a video meeting platform, in compliance with the Regulation "Regolamento temporaneo per lo svolgimento delle sedute collegiali in modalità telematica" art. no. 2,3 and 4, referred to in the Rectoral Decree no. 491/2020 of 6 March 2020 and subsequent amendments, as well as with the Rectoral Decree no. 1099/2020 of 7 August 2020, art. 3.

Qualifications and publications assessment will be held "in-presence", pursuant to the Rectoral Decree no. 1099/2020 of 7 August 2020, art. 1, and in compliance with the "Safety Protocol against Covid-19 Spread. Guidelines for in-presence Selection Procedures", issued by the Rectoral Decree no. 1011/2020 of 21 July 2020.

At least one member of the Selection Committee shall be present during the qualifications and publications assessment; the other Committee members can attend the selection procedure either "in-presence" or remotely, in compliance with the Regulation "Regolamento temporaneo per lo svolgimento delle sedute collegiali in modalità telematica".

In the event of "in-presence" selection procedures also attended remotely by one or more Committee member, it shall be specified that the session is held "in-presence", allowing however one or more Committee member to attend remotely and indicating the possible operating procedures for attendance; the selection minutes must include both the names of the members "in presence" and remotely connected, along with the operating platform used.

In order to ensure a limited access to the premises where the qualifications and publications assessment is carried out, auditors shall be allowed in (in compliance with the aforementioned Safety Protocol) only upon written request to be emailed at least two days before the selection procedure to concorsi_ricercatori@unipi.it. Live Streaming will be provided at <https://www.unipi.it/index.php/concorsi-gare-e-bandi> (see the relevant section) to guarantee the publicity of the qualifications and publications assessment.

Upon the Selection Committee approval, candidates living abroad and therefore unable to attend the "in-presence" interview at the University of Pisa, will be interviewed via web, prior their identification by

approved international universities or research centers. The Selection Committee is appointed to assure the duly examination of the candidates and shall collect their ID copy.

Please note that the English version is given as a matter of courtesy, for the only purpose of information. It cannot be legally used in the event of a dispute or a claim arising from the interpretation of this translation and concerning the contents, a possible uncertainty, contradiction or discrepancy. Should this occur, the Italian version of the call shall prevail as the only valid. For full Italian text see: <https://bandi.unipi.it/public/Bandi?type=RIC>

Selection code A1

Department of Clinical and Experimental Medicine

Academic Recruitment Field 06/B1 Internal Medicine

Academic Discipline MED/09 Medicina Interna

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

Research activities within the scope of SSD MED/09 with special reference to the field of medical pathophysiology, functional and instrumental medical semeiotics, clinical methodology, evidence-based medicine, general medical clinic and medical therapy with specific expertise in emergency and emergency room medicine, geriatrics and gerontology, allergology and clinical immunology; also fields of study are clinical and metabolic pathology of vasculopathies, clinical aspects of nutrition, sports medicine and thermal medicine.

Scientific productivity:

Publication of scientific results in peer reviewed international journals, quoted in PubMed

Head office:

Department of Clinical and Experimental Medicine - University of Pisa

Teaching activity of the contract:

Internal Medicine

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.

Selection code A2

Department of Clinical and Experimental Medicine

Academic Recruitment Field 06/D2 - Endocrinology, Nephrology, Food and Wellness Science

Academic Discipline MED/13 Endocrinology and Metabolism

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

Research activity within the scope of SSD MED/13 and concerning the pathophysiology and clinic of diseases of the endocrine system; areas of expertise are: endocrine pathophysiology, functional and instrumental endocrine-metabolic semeiotics; clinical methodology and therapy in endocrinology, diabetology and andrology; endocrine pathophysiology and clinic of human reproduction, growth and motor activities; pathophysiology and clinic of the metabolic system with special emphasis on obesity and glucose, lipid and electrolyte metabolism.

Scientific productivity:

Publication of scientific results in peer reviewed international journals, quoted in PubMed

Head office:

Department of Clinical and Experimental Medicine - University of Pisa

Teaching activity of the contract:

Endocrinology and Metabolism.

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.

Selection code A3

Department of Clinical and Experimental Medicine

Academic Recruitment Field 05/G1 Pharmacology, Clinical Pharmacology and Pharmacognosy

Academic Discipline BIO/14 Pharmacology

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

Study of drugs present in products of natural and synthetic, biosynthetic and biotechnological origin as regards their actions on the organism and the organism's actions on them (drug- and toxico-kinetics in the aspects of absorption, distribution, metabolism and elimination). Study of the relationship between genotype and response to specific drugs (pharmacogenomics-pharmacogenetics), for the purpose of personalized therapies, variations in use related to gender and age. Study of the relationship between healthy and sick subject as regards preclinical pharmacotoxicology and clinical pharmacology. Study of adverse reactions, their prevention and treatment and possible contraindications for use; study of any interactions with other chemical compounds, with food or drink. Study of drug addiction to psychoactive substances and capable of influencing psycho-physical performance. Study of risk / benefit and cost / benefit ratios (pharmacoepidemiology, pharmacovigilance and pharmacoeconomics).

In particular, predictive biomarkers of response, resistance and risk of developing adverse events with significant impact on patient survival by improving the efficacy of pharmacological treatment will be studied and identified.

Scientific productivity:

Preparation and implementation of preclinical and clinical studies in the aforementioned field, preparation and submission of funding applications for research programs, preparation of manuscripts for publication in peer-reviewed journals of high scientific impact.

Head office:

Department of Clinical and Experimental Medicine - University of Pisa

Teaching activity of the contract:

Teaching in medical area study courses where the Academic Discipline is present (i.e., Degree Courses, Research Doctorate Courses, Schools of Specialization)

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.

Selection code A4

Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine

Academic Recruitment Field 06/A4 Pathology

Academic Discipline MED/08 Pathology

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

The research activity will be based on the analysis of tissue and liquid biopsies of patients diagnosed with colorectal cancer or lung cancer with a multi-omics approach, investigating the diagnostic and prognostic role of an extensive multigene molecular characterization compared to a sequential single gene analysis. The research will be conducted with the latest generation equipment (next-generation sequencing, nCounter) which allow the simultaneous evaluation of numerous genetic alterations on a large number of patients.

Scientific productivity:

The pre-established objectives of scientific productivity will have to investigate the role of molecular characterization extended to various levels:

- a) to identify any new biomarkers;
- b) to identify patients who effectively carry genetic alterations that allow an effective benefit from treatment;
- c) to identify the appropriate level of this analysis considering the cost/benefit rate;
- d) to identify useful information for prognostic stratification.

The cost-effectiveness of a broad molecular characterization will be defined in relation to tumor type and analysis level, consequently developing the most appropriate diagnostic algorithms.

Head office:

Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine - University of Pisa

Teaching activity of the contract:

Lectures must be held for the Post-Graduate Residency School in Pathological Anatomy and other Post-Graduate Residency School i.e: School in Oncology, focused on extensive molecular analysis techniques applied to neoplastic pathology - in particular, of the colon and lung -, deepening the associations between the different histological types and the described gene variants.

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.

Selection code A5

Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine

Academic Recruitment Field 06/D1 Cardiovascular and Respiratory Diseases

Academic Discipline MED/11 Cardiovascular Diseases

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

Precision Diagnostic for the vulnerable atherosclerotic plaque.

Scientific productivity:

To characterize the comparative diagnostic yields of various diagnostic techniques of the vulnerable carotid artery plaque to determine the more effective and efficient individualized path to predict adverse events.

Head office:

Department of Surgical, Medical and Molecular Pathology and Critical Care Medicine - University of Pisa

Teaching activity of the contract:

Seminars and lessons in the Postgraduate School of Cardiology.

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.

Selection code A6

Department of Translational Research and of New Surgical and Medical Technologies

Academic Recruitment Field 06/D3 - Blood Diseases, Oncology and Rheumatology

Academic Discipline MED/06 Medical Oncology

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

Clinical and translational research in the field of gastrointestinal malignancies with a special focus on colorectal tumors and the role of liquid biopsy.

Scientific productivity:

Publications on peer-reviewed international journals.

Head office:

Department of Translational Research and of New Surgical and Medical Technologies - University of Pisa

Teaching activity of the contract:

Lessons of medical oncology for undergraduate students and residents in medical disciplines.

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.

Selection code A7

Department of Translational Research and of New Surgical and Medical Technologies

Academic Recruitment Field 06/11 Imaging, Radiotherapy and Neuroradiology

Academic Discipline MED/36 Imaging and Radiotherapy

Nr. of positions available: 1

Progetto PNRR HEAL ITALIA: Health Extended Alliance for Innovative Therapies, Advanced Lab-research, and Integrated Approaches of Precision Medicine; Spoke 8 “Clinical Exploitation”.

Focus of research:

Development of imaging biobanks and applications of artificial intelligence in oncology.

Scientific productivity:

The research will concern the collection of imaging data in cancer patients and the extraction of disease biomarkers with deep neural networks.

Head office:

Department of Translational Research and of New Surgical and Medical Technologies - University of Pisa

Teaching activity of the contract:

Teaching of nuclear medicine in the Degree courses in Medicine and Surgery, and Dentistry, and in the Degree courses of the Health Professions.

Candidates will be required to demonstrate an adequate knowledge of English language.

Candidates may present a maximum number of 12 scientific publications.