

Excerpt from the Rector's decree n. 1033/2023

Call for the selection of n. 13 Senior Research Fellows

(Under the Italian Law 240/2010 article 24, subparagraph 3, point b)

The University of Pisa announces a call for 13 Senior 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 Senior Research Fellow is required to perform lectures for a minimum of 48 up to a maximum of 96 hours per academic year, allocated as an institutional assignment for Bachelor's and Master's degree programs, Specialization Schools and PhD programs.

Contract duration: 3 years

Deadline for application: 24th of July 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 must be provided as stated under:

D.Lgs.165/2001, article 38:

 $\frac{http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivalenza_Titoli_Accad}{emici.pdf}$

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.

Candidates are required to declare what follows:

- 1. To enjoy the full rights of citizenship in their home State
- 2. Not to have been convicted or found guilty of any criminal offence; in the event of any conviction, it is mandatory to provide the details of the relevant judgments and any pending criminal proceedings;
- 3. Not to have been dismissed or dispensed from employment by a Public Administration for persistent unsatisfactory performance; not to have been lapsed from State employment, in compliance with art. 127, first paragraph, point d) of the Consolidation Act of Provisions concerning the State civil servants approved by Presidential Decree no. 3 of 10 January 1957;
- 4. to be registered on the electoral roll.

Required qualifications:

to have been employed as a Fixed-Term Research Fellow for a three- year period already completed by the application's deadline; (Under the Italian Law 240/2010, article 24, subparagraph 3, point b)

to be a researcher, a scholar or a scientist holding the Italian National Certification for Full or Associate Professor (Under the Italian Law 240/2010 article 16);

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to hold a Postgraduate School qualification for the relevant medical fields;

or

to have had at least a three-year period of contracts, even when not consecutive and already completed by the application's deadline, performed with:

- research grants (under the Italian Law 449/97, art 51, subparagraph 6 or the Italian Law 240/2010 article 22 or comparable academic contracts abroad)
- post PhD grants (under the Italian Law 398/1989, article 4 or comparable academic contracts abroad)
- contracts concluded in compliance with the Law no. 230 of 4 November 2005, art. 1, paragraph 14.

Please note: the above-mentioned three-year period could aggregate: Fixed-Term Research Fellowship, post PhD research grants and fellowship in foreign Universities (under DM 662/2016).

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 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/ric2023b6ecc/ 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, 45 days after the deadline for the submission of the applications (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 "inpresence" 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

Department of Civilisations and Forms of Knowledge

Academic Recruitment Field 11/C1 Theoretical Philosophy Academic Discipline M-FIL/01 Theoretical Philosophy Nr. of available positions: 1

Focus of research

The research activity investigates the reasons for the philosophical questioning through a critical comparison with other cultural experiences and different disciplines, embedded in one's own tradition and with different specialized philosophical topics, in the interpretation of knowledge, critical thinking, hermeneutics and knowledge transversal with respect to the limits of sectorial competences.

Scientific productivity

Among the goals are the production of articles in journals and essays in volumes, as well as monographs, and the participation in research groups active at the national and international levels, in scopes pertinent to Academic Recruitment Field 11/C1.

Head office

Department of Civilisations and Forms of Knowledge

Specific teaching activity of the contract

Teaching in both the B.A. and the M.A. programs of courses in the scope of the Academic Recruitment Field 11/C1.

Candidates may present a maximum number of 12 scientific publications.

Department of Civilisations and Forms of Knowledge

Academic Recruitment Field 11/C5 History of Philosophy Academic Discipline M-FIL/08 History of Medieval Philosophy Nr. of available positions: 1

Focus of research

The research activity will focus on the history of medieval philosophy with special attention on the theoretical structure of the texts, on their interpretations, on the formation and development of the traditions of thought in Latin, Arabic, and Hebrew during a span of time between the 6th the 15th centuries; attention should be paid to the conceptual analysis and historical-philological reconstruction of the sources of medieval philosophy, especially the Platonic and Aristotelian traditions of thought.

Knowledge of Latin and Ancient Greek is an important criterion; additional criteria for evaluation are the knowledge of classical Arabic and that of classical Hebrew.

Scientific productivity

The targets of the researcher's scientific production will consist in scientific contributions of international level in the field of the history of medieval philosophy, including Arabic and Hebrew philosophy; in the participation in workshops and conferences in high-level research institutions in the country and abroad; and finally in taking part in research projects.

Head office

Department of Civilisations and Forms of Knowledge

Specific teaching activity of the contract

Courses imparted both as lectures and seminars in the field of medieval philosophy (Academic Discipline M-FIL/08) and, if necessary, in the related fields.

Candidates may present a maximum number of 12 scientific publications.

Department of Civilisations and Forms of Knowledge

Academic Recruitment Field 11/A4 Science of Books and Documents, History of Religions Academic Discipline M-STO/09 Paleography

Nr. of available positions: 1

Focus of research

The research activity, consistent with SSD M-STO/09 - Paleography, will focus on handwritten testimonies of the classical and medieval world. Particular attention will be paid to the historical and juridical exegesis of the documents. The investigation of the manuscript will be carried out in its complexity, which includes his material, literary, textual, authorial and editorial aspects. These investigations presuppose the knowledge and use of the logical procedures, investigation techniques and specialist language of the discipline. Particular attention will be paid to the production, circulation and use of the manuscript in medieval universities, as well as to its sets of study and commentary glosses.

Scientific productivity

Publication of articles in national and international accademic journals, in conference proceedings or collectaneous works, publication of monographs; participation in conferences as a speaker; organization of conferences; participation in national and international research projects; submition of proposals in competitive calls on a national and international level.

Head office

Pisa, Department of Civilization and Forms of Knowledge.

Teaching activity

BSc and MSc level palaeography and diplomatics courses (lectures and seminars).

Candidates may present a maximum number of 12 scientific publications.

Department of Physics

Academic recruitment field 02/A1 Experimental Physics of Fundamental Interactions Nr. of available positions: 1

Focus of research

Research activities in the fields of the academic discipline 02/A1, with focus on the experimental investigation of phenomena related to elementary particles and their fundamental interactions, including gravitational interactions, competence required to probe functioning mechanisms of instrumentation to control and detect studied phenomena, radiation detection, and experimental data analysis. Focused skills include experimental research in the fields of physics of particles accelerators, nuclear and sub-nuclear particles of cosmic origin and astrophysical importance.

Scientific productivity

In compliance with the project 'Dipartimento di Eccellenza' (Law 11.12.2016 n. 232) funded for the Department of Physics: development of competence and new knowledge on fabrication and characterization of sensors and detectors for radiation, particles, astroparticles. Contributions advancing the state of art of research in the field. Full scientific independence, possibly including the supervision of BSc, MSc, and PhD theses. Publication of research in peer-reviewed, international journals. Presentation of research results in national and international conferences.

Head office

Department of Physics

Teaching activity

Courses on basic physics and specialist courses in experimental physics of fundamental interactions. Courses to be taught will potentially include those activated in the framework of the 'Dipartimento di Eccellenza' project: 'Quantum technologies for Fundamental Interactions Physics' and 'Detection techniques: from Lab to Space'.

Candidates may present a maximum number of 12 scientific publications.

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

In the application, candidates should attach a summary of their previous research.

Department of Physics

Academic recruitment field 02/B1 Experimental Physics of Matter Nr. of available positions: 1

Focus of research

Research activities in the fields of the academic discipline 02/B1, with focus on the experimental investigation of dynamical phenomena in matter, competence required to describe propagation and interaction properties of photons with matter, to probe functioning mechanisms of instrumentation to control and detect studied phenomena, radiation detection, and experimental data analysis. Focused skills include experimental research in the fields of solid-state physics, soft matter, materials science and associated technologies from nano- to macro-scale, photonics, optics, optoelectronics, and quantum information.

Scientific productivity

In compliance with the project 'Dipartimento di Eccellenza' (Law 11.12.2016 n. 232) funded for the Department of Physics: development of competence and new knowledge on nanofabrication, physics of materials (adaptive, 2D, etc.), and sensor systems. Contributions advancing the state of art of research in the field. Full scientific independence, possibly including the supervision of BSc, MSc, and PhD theses. Publication of research in peer-reviewed, international journals. Presentation of research results in national and international conferences.

Head office

Department of Physics

Teaching activity

Courses on basic physics and specialist courses in physics of matter. Courses to be taught will potentially include those activated in the framework of the 'Dipartimento di Eccellenza' project: '3D and 4D nanomaterials and devices', 'Flexible and nano-electronics', and 'Detection techniques: from Lab to Space'.

Candidates may present a maximum number of 12 scientific publications.

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

In the application, candidates should attach a summary of their previous research.

Department of Physics

Academic Recruitment Field 02/D1 Applied Physics, Physics Teaching and History of Physics Academic Discipline FIS/07 Applied Physics Nr. of available positions: 1

Focus of research

Research activities in the fields of the academic discipline 02/D1, SSD FIS/07 "Applied Physics", with focus on the study and development of experimental physical methods applied in the medical, biological, biophysical, biotechnological framework, on the development and use of instrumentation for control and detection of physical phenomena in the context of prevention, diagnosis and treatment, also using ionizing and non-ionizing radiation, and on the development of physical techniques for biomedical diagnostics and therapy (such as, for instance, radiation detectors and accelerators), as well as radiation protection of humans.

Scientific productivity

In compliance with the project 'Dipartimento di Eccellenza' (Law 11.12.2016 n. 232) funded for the Department of Physics: development of competence and new knowledge in radiation and particle detection. Contributions advancing the state of art of research in the field. Full scientific independence, possibly including the supervision of BSc, MSc, and PhD theses. Publication of research in peer-reviewed, international journals. Presentation of research results in national and international conferences.

Head office

Department of Physics

Teaching activity

Courses on basic physics and specialist courses in applied physics. Courses to be taught will potentially include those activated in the framework of the 'Dipartimento di Eccellenza' project: 'Biophysics for e-Flash therapy' and 'Detection techniques: from Lab to Space'.

Candidates may present a maximum number of 12 scientific publications.

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

In the application, candidates should attach a summary of their previous research.

Department of Philology, Literature and Linguistics

Academic recruitment field 10/F3 Italian Linguistics and Philology Academic discipline L-FIL-LET/12 Italian Linguistics Nr. of available positions: 1

Focus of research

Research will focus on the topics indicated in the declaration of the Academic Discipline L-FIL-LET/12, i.e. studies on the Italian language and on the dialects spoken in Italy from origins up to nowadays, with regard to phonetic, morphological, syntactic and lexical structures, the evolution of these systems, the history of social and geolinguistic uses, the textual and stylistic traditions, the theoretical and applicative problems, as well as teaching methodologies of the Italian language for Italians and foreigners and the linguistic and computer analysis of texts and corpora; special consideration will be given to technical languages and/or linguistic variation, accompanied by Third Mission engagement.

Scientific productivity

Publications in peer-reviewed journals; publications in scientific volumes and conference proceedings.

Head office

Department of Philology, Literature and Linguistics.

Teaching activity

Courses of the SDS L-FIL-LET/12 in BA and MPhil degree programmes.

Candidates may present a maximum number of 12 scientific publications.

Department of Philology, Literature and Linguistics

Academic Recruitment Field 10/L1 English and Anglo-American Languages, Literatures and Cultures Academic discipline L-LIN/10 English Literature

Nr. of available positions: 1

Focus of research

The field of research will cover the topics of the L-LIN/10 scientific and disciplinary area. It will encompass the study of cultures and literatures in English from the Middle Ages to the contemporary age and related authors (both from Great Britain and from English-speaking countries), based on the methodologies of philological, linguistic and literary research, specifically aimed at a critical comprehension through the analysis of original texts in their thematic, figurative and formal dimensions. Moreover, it will also comprehend the study of issues connected with the teaching of English literature.

Special consideration will be given to competence in the analysis of essayistic and narrative texts.

Scientific productivity

Publications in peer-reviewed journals; publications in scientific volumes and conference proceedings.

Head office

Department of Philology, Literature and Linguistics.

Teaching activity

L-LIN/10 English literature courses in BA and MPhil courses and collaboration to PhD courses.

Candidates may present a maximum number of 12 scientific publications.

Department of Mathematics

Academic Recruitment Field 01/A4 Mathematical Physics Academic Discipline MAT/07 Mathematical Physics Nr. of available positions: 1

Focus of research

Performance of research of international interest and relevance having as a topic the study, from both a theoretical and an applied viewpoint, of mathematical physics, rational mechanics and dynamical systems, using both analytic and geometric techniques, together with the aspects relevant to mathematical physics of relativistic theories. The research activity will focus in particular on the study of complex systems in physical and life sciences as part of the Department of Excellence project, funded by MUR.

Scientific productivity

Publishing papers of interest in the realm of mathematical physics in generalist or specialized journals at a national or international level. Seminars in Universities, Research Institutes and international or national Conferences.

Head office

Department of Mathematics

Specific teaching activity of the contract

Teaching of courses having as a topic the basics of mathematics, in any degree program of the university, and of advanced courses of mathematical physics topic in the first degree, master and PhD programs in mathematics.

Candidates may present a maximum number of 12 scientific publications.

Department of Mathematics

Academic Recruitment Field 01/A5 Numerical Analysis Academic Discipline MAT/08 Numerical Analysis Nr. of available positions: 1

Focus of research

Study of the numerical analysis and of the computational techniques, also using computers and parallel calculus

The research activity will focus on the Department of Excellence project, funded by MUR, in particular on differential modeling and on numerical methods for differential equations and complex systems.

Scientific productivity

Publishing papers of interest in the realm of numerical analysis in generalist or specialized journals at a national or international level. Seminars in Universities, Research Institutes and international or national Conferences.

Head office

Department of Mathematics

Specific teaching activity of the contract

Teaching of courses having as a topic the basics of mathematics, in any degree program of the university, and of advanced courses of numerical analysis topic in the first degree, master and PhD programs in mathematics.

Candidates may present a maximum number of 12 scientific publications.

Department of Veterinary Sciences

Academic Recruitment Field 07/H2 Veterinary Pathology and Inspection of Foods of Animal Academic Discipline VET/03 Veterinary Pathology

Nr. of positions available: 1

Focus of research

The scientific commitment will concern the disciplines and research topics inherent in the etiopathogenesis of diseases, the primary metabolic alterations and the basic functional changes of organs and systems, the macroscopic and microscopic pictures (histocytological-histocytochemical, immune-histocytochemical, ultrastructural) of the systems and of the diseases relating to special anatomical pathology, biotechnologies aimed at the etiopathogenetic study of the nosological conditions of pet, farm, wild and laboratory animals, also included in the topics of oncology, environmental pathology and teratology, and diagnostic procedures related to postmortem examination of domestic, wild, aquatic and laboratory animals.

Scientific productivity

The scientific productivity objectives align with the evaluation indications for the national scientific qualification and the VQR. The scientific production will have to demonstrate a continuity of commitment and apply transversal skills, taking place in a national and international dimension.

Head office

Department of Veterinary Sciences

Teaching activity

It will concern the following area: frontal and practical teaching activity in the Academic Discipline VET/03 - General Pathology and Veterinary Anatomical Pathology. The teaching activity will be carried out in the degree course in Veterinary Medicine and in the Schools of Specialization in Pathology and Clinic of Companion Animals, Equine Medicine and Surgery, Inspection of Food of Animal Origin, and Animal Health, Breeding and Livestock Production. Finally, the Researcher will be called upon to carry out management activities in areas such as tutoring and student support.

Candidates may present a maximum number of 20 scientific publications.

Department of Veterinary Sciences

Academic Recruitment Field 07/H3 Infectious and Parasitic Animal Diseases Academic Discipline VET/06 Parasitology and Animal Parasitic Diseases

Focus of research

The domain deals with the study of fungi, protozoa and metazoa (parasites) of animals, causing parasitic diseases in hosts, many of which are zoonoses. It promotes basic knowledge about parasites, their biology, and host-parasite relationship, addressing systematics, genetics, ecology, immunology, physiology and pathology, using statistico- mathematic, biochemical and molecular tools. It develops practical features, such epidemiology, diagnosis, prophylaxis, therapy and control of parasite diseases of human patients, as well domestic and wild animals, including control of parasite vectors and socioeconomic factors associated with parasitoses.

Scientific productivity

Scientific activity dealing with the study of veterinary parasitology and parasitic and mycotic diseases of domestic and wild animals, including epidemiology, parasitologic diagnosis, prophylaxis, treatments and control.

Head office

Department of Veterinary Sciences

Teaching activity

Teaching activity concerning topics related to Academic Discipline VET/06.

Candidates may present a maximum number of 20 scientific publications.

Department of Veterinary Sciences

Academic Recruitment Field 07/G1 Animal Science and Technology Academic Discipline AGR/18 Animal Nutrition and Feeding

Focus of research

Research area concerns the scientific activity in the field of applied technologies to farmed species in order to improve production performances, environmental sustainability, animal welfare, quantitative, qualitative, nutritional, technological and healthy characteristics of animal products. The research topics are related to the animal (livestock and pet) feeding, to the physical, chemical and nutritional characteristics of feed, principles of animal nutrition, dietetics.

In addition, research regards the feed technologies and the use by-products in animal nutrition.

Scientific productivity

Scientific papers on international indexed journals, oral presentations in national and international meetings.

Head office

Department of Veterinary Sciences

Teaching activity

The researcher will be engaged in frontal and practical teaching activities, activity as thesis advisor and student service in the Academic Discipline AGR 18 Animal Nutrition and Feeding. The teaching activity will be carried out in the degree courses in Veterinary Medicine, Animal breeding techniques and dog education and Animal Production Sciences and Technologies.

Candidates may present a maximum number of 15 scientific publications.