



UNIVERSITÀ DI PISA

Excerpt from the Rector's decree n. 3258 January 16, 2019

### **Call for the selection of 7 Senior Research Fellows**

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

The University of Pisa announces a call for 7 Senior Fixed-Term Research Fellows for: **(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 80 hours per academic year, with a 10% variability, allocated as an institutional assignment for Bachelor's and Master's degree programmes, Specialization Schools and PhD programmes. It is possible to provide a further 10% extra derogation, up to a maximum of 96 hours, in order to avoid an excessive partitioning of teaching modules.

Contract duration: 3 years

Gross annual salary: € 41.877,68

Deadline for application: **March 18, 2019, 1.00 p.m.**

#### **Admission requirements:**

**PhD or equivalent academic qualification awarded in Italy or abroad and recognised 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\\_equivaleza\\_Titoli\\_Accademici.pdf](http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivaleza_Titoli_Accademici.pdf)

Or under:

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

[http://www.miur.gov.it/documents/20182/0/Equipollenza\\_Dottorato\\_ricerca\\_dpr382.pdf/f5ff98ae-ddff-4166-a822-83ef1b57c7f0](http://www.miur.gov.it/documents/20182/0/Equipollenza_Dottorato_ricerca_dpr382.pdf/f5ff98ae-ddff-4166-a822-83ef1b57c7f0)

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 a)

or

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

or

to hold a Medical Specialty 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 Italian Law n. 240/2010, articles 22 and 24) for a period that, totalled 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.

Please forward to the Rector by the submission deadline any further variation, by the Italian certified e-mail system address ( P.E.C. Posta Elettronica Certificata): [protocollo@pec.unipi.it](mailto:protocollo@pec.unipi.it) or by e-mail address [concorsi\\_ricercatori@unipi.it](mailto:concorsi_ricercatori@unipi.it), (only PDF documents are allowed, dated and signed ; a candidate's valid ID card copy is required in attach).

For further information on application submission, please refer to [concorsi@adm.unipi.it](mailto:concorsi@adm.unipi.it)

For any IT malfunctioning please refer to [unipi@cineca.it](mailto: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; the curriculum must include all the qualifications applicant considers eligible for this selection;
2. The Publications applicant considers eligible for this selection;
3. The corresponding list dated and signed;
4. A complete list of all Publications, dated and signed;
5. 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. All admitted candidates will be summoned by registered post at least twenty days before the interview; the failed attendance to the interview will be considered as a voluntary renunciation.

During the interview, all candidates will be furthermore tested on the foreign language skills requested by the selection.

The candidates living abroad and therefore unable to attend the interview at the University of Pisa, will be allowed to be interviewed via the web or a conference call, prior applicant's identification by approved international universities or research centres and upon the Selection Committee approval.

The Selection Committee is appointed to establish the duly examination of the candidates and shall acquire each candidate's copy of an identity card or passport.

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://www.unipi.it/ateneo/bandi/ricercat/ricercator/index.htm>

(1) If applicable

**Selection code A\_1**

**Department of Department of Biology**

Admission Examination Sector: 05/B2 - COMPARATIVE ANATOMY AND CYTOLOGY

Disciplinary Scientific Sector: BIO/06 - COMPARATIVE ANATOMY AND CYTOLOGY

Nr. of position available: 1

**Focus of research:**

The research activity will address issues related to animal morphology and its different levels of organization, both in their structural and evolutionary-developmental aspects. The main correlations between molecular, cellular and functional levels will be specifically analyzed by means of advanced techniques (microscopy, cytochemistry, immunohistochemistry) and biotechnological applications. Relationships between phylogenesis and morphogenesis will be investigated from an evolutionary-developmental point of view, aiming at the identification of distinct levels of interaction between structure, function and adaptation, in several processes such as reproduction, development and neuro-endocrine interactions. In particular, the research activity will be focused on developmental biology and on the differentiation of the nervous system.

**Scientific productivity:**

Scientific production will consist in the publication of papers on scientific international journals with IF (1-3 publications/year) and in the dissemination of research results by oral/poster communications at National and International Meetings. Participation to National and International research projects will also be a major objective. Patents will be possible important scientific acquisitions.

**Head office:**

Department of Biology

**Specific didactic activity of the contract**

The teaching activity will be fulfilled by lecturing courses within the BIO-06 sector according to the Departmental yearly teaching plan and by performing supervision of undergraduate and PhD students and practical tutorials. Teaching activity will also include seminars for the "Biology" PhD programme.

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

Candidates may present a maximum number of 12 scientific publications

**Selection code A\_2**

**Department of Economics and Management**

Admission Examination Sector: 13/A1 - ECONOMICS

Disciplinary Scientific Sector: SECS-P/01 - ECONOMICS

Nr. of position available: 1

**Focus of research:**

The topics included in the declaratory of SSD SECS-P/01, with a particular focus to consumer theory, firm theory, general equilibrium theory; macroeconomic analysis of real, monetary and financial markets; theory of real and monetary international trade; growth and business cycle theory

**Scientific productivity:**

Publications in prestigious journals and participation to national and international research projects.

**Head office:**

Department of Economics and Management

**Specific didactic activity of the contract**

Courses mainly related to economics (SSD SECS-P/01) offered by Dipartimento di Economia e Management.

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

Candidates may present a maximum number of 12 scientific publications

### Selection code A\_3

#### **Department of Pharmacy**

Admission Examination Sector: 05/A1 - BOTANY

Disciplinary Scientific Sector: BIO/15 - PHARMACEUTICAL BIOLOGY

Nr. of position available: 1

#### **Focus of research:**

Study of biological active substances of pharmaceutical interest and, in particular, their structural identification

#### **Scientific productivity:**

Scientific publications on ISI international journals, participation to national and international conferences in the research field, starting scientific cooperation on topics defined by the program with Italian and /or foreign organizations and institutions.

#### **Head office:**

**Department of Pharmacy**

#### **Specific didactic activity of the contract**

Teaching courses of the Department of Pharmacy and other Departments of the University of Pisa in which the SSD (disciplinary scientific sector) skills are requested.

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

Candidates may present a maximum number of 20 scientific publications

## Selection code A\_4

### Department of Energy, Systems, Territory, and Construction Engineering

Admission Examination Sector: 09/E2 - ELECTRICAL ENERGY ENGINEERING

Disciplinary Scientific Sector: ING-IND/32 - POWER ELECTRONIC CONVERTERS, ELECTRICAL MACHINES AND DRIVES

Nr. of position available: 1

#### Focus of research:

Research activity:

Analysis, design, technologies, characterization, use and integration of electrical machines, electric sensors and actuators, electronic power components and relative converters, electric drives, electrical and electronic materials, which translate basic and application problems of the electromechanical and electronic energy conversion for an efficient exploitation of energy sources (both traditional and alternative) and with the aim of making it available in the form, in the quantity, and in the quality necessary for different applications in industry (automation processes, treatment and processing of materials, handling, etc.), in electric or hybrid transport (terrestrial, marine, air, space) in civil and commercial buildings (lighting, heating, ventilation, air conditioning), in the production of energy (thermoelectric, hydroelectric, wind, solar, cogeneration), in the transport of the same.

#### Scientific productivity:

The scientific activity involves participation in research projects financed by public or private bodies, the preparation of scientific articles for national and international publications, both in journals and scientific congresses and the filing of industrial patents. Scientific productivity must be consistent with that of the SSD ING-IND / 32.

#### Head office:

Department of Energy, Systems, Territory, and Construction Engineering

#### Specific didactic activity of the contract

The teaching activity will be carried out within the teachings of the ING-IND / 32 sector, and will consist of lectures and exercise activities for the students, according to the needs of the teaching programs. This also includes tutoring activity in the preparation of undergraduate and doctoral theses. The total annual commitment for the activities of teaching, supplementary teaching and service to students is consistent with that provided by the University regulations

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

Candidates may present a maximum number of 12 scientific publications



## Selection code A\_5

### Department of Mathematics

Admission Examination Sector: 01/A4 - MATHEMATICAL PHYSICS

Disciplinary Scientific Sector: MAT/07 - MATHEMATICAL PHYSICS

Nr. of position available: 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 and rational mechanics, and more generally of dynamical systems, using both analytic and geometric techniques, together with the aspects relevant to mathematical physics of relativistic theories.”

### Scientific productivity:

Writing of papers having an interest in mathematical physics and suitable for publication in generalist or specialized journals at a national or international level

### Head office:

Department of Mathematics

### Specific didactic 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 having mathematical physics as a topic in the first degree and master programs in mathematics.”

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

Candidates may present a maximum number of 12 scientific publications

## Selection code A\_6

Department of Political Sciences

Admission Examination Sector: 12/D1 - ADMINISTRATIVE LAW

Disciplinary Scientific Sector: IUS/09 - PUBLIC LAW

Nr. of position available: 1

### **Focus of research:**

Teaching includes studies of the state's legal organization, faced both in diachronic and synchronistic perspective. students will be involved in acquiring basic knowledge of administrative organization of state and public bodies, especially referring to citizens' rights and to related form of participation

### **Scientific productivity:**

During the project publications in the field of research and participant will take part at least to national and international meeting and the elaboration of a monographic work.

### **Head office:**

Department of Political Sciences

### **Specific didactic activity of the contract**

Public law, public accounting law, local autonomies and public services

Candidates will be required to demonstrate an adequate knowledge of **Spanish**

Candidates may present a maximum number of 12 scientific publications

**Selection code A\_7**

Department of Veterinary Sciences

Admission Examination Sector: 07/H1 - VETERINARY ANATOMY AND PHYSIOLOGY

Disciplinary Scientific Sector: VET/02 - VETERINARY PHYSIOLOGY

Nr. of position available: 1

**Focus of research:**

**Physiology, ethology and welfare of veterinary species, with specific reference to companion animals**

**Scientific productivity:**

**The candidate shall be able to propose study projects, to demonstrate the ability of carrying them out autonomously, and to produce scientific data to be presented at National and International congresses and as publications on scientific journal with impact factor.**

**Head office:**

Department of Veterinary Sciences

**Specific didactic activity of the contract**

**The candidate shall carry out theoretical and practical teaching activities for students in courses concerning SSD Vet/02 in the curricula activated at Dip. Scienze Veterinarie - Università di Pisa**

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

Candidates may present a maximum number of 15 scientific publications