



UNIVERSITÀ DI PISA

Excerpt from the Rector's decree n. 31459/18

### **Call for the selection of 6 Senior Research Fellows**

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

The University of Pisa announces a call for 6 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: 19/07/2018, 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\\_equivalenza\\_Titoli\\_Accademici.pdf](http://www.funzionepubblica.gov.it/sites/funzionepubblica.gov.it/files/modulo_equivalenza_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.

#### **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)

**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.

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](mailto:protocollo@pec.unipi.it) or via e-mail at: [concorsi@adm.unipi.it](mailto: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](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 Biology**

Admission Examination Sector: 05/C1 Ecology

Disciplinary Scientific Sector: BIO/07 Ecology

Nr. of position available: 1

**Focus of research:**

In agreement with the declaration of the Settore Scientifico Disciplinare BIO/07 (Ecologia), the researcher will conduct her/his activity on the regulation of populations and communities in response to changes in the abiotic and biological context. Specifically, the researcher will focus on the effects of global change on marine coastal biodiversity making extensive use of manipulative field experiments

**Scientific productivity:**

Scientific publications in international peer-reviewed journals and participation in international and national meetings to disseminate the results; develop collaborations with internationally renowned research institutes; participation in competitive calls for proposals at national and international levels.

**Head office:**

Department of Biology

**Specific didactic activity of the contract:**

Teaching will cover activities within the Settore Scientifico-Disciplinare BIO/07 “Ecologia” and will include lecturers and practicals in agreement with the Department’s teaching program. Other teaching activities will include the supervision of undergraduate and PhD students and seminars within the PhD teaching program

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 Biology

Admission Examination Sector: 05/A1 Botany

Disciplinary Scientific Sector BIO/02 Systematic Botany

Nr. of position available: 1

### Focus of research:

The research work will focus on the evolution of and relationships among land plants; in particular, it will be undertaken through the acquisition, synthesis and compared analysis of population, reproductive biology, cytogenetic, and phytochemical data, which may be obtained also from floristic surveys in the field. Comparative phylogenetic analysis and suitable statistical tools will be used to process the data.

### Scientific productivity:

The goals of scientific performance will consist of the publication of scientific papers in international journals, the presentation of research results in national and International conferences as a speaker, the participation in national and international research projects.

### Head office:

Department of Biology

### Specific didactic activity of the contract:

The didactic work will be carried out within the subjects pertinent to sector BIO/02; it will consist of lectures, practical classes and laboratory workshops for students, according to the provisions of the next didactic planning. Supervision of near-graduates and doctoral candidates, as well as seminar presentations, are expected tasks.

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 Biology

Admission Examination Sector 05/E2 Molecular Biology

Disciplinary Scientific Sector BIO/11 Molecular Biology

Nr. of position available: 1

### Focus of research:

Molecular basis of regulation of gene expression in cell-type-specific physiology and pathology. Expertise in “omics” technologies and bioinformatics. In agreement with the declaration of the Settore Scientifico Disciplinare BIO/11 (Biologia Molecolare)

### Scientific productivity:

Scientific publications in ISI-indexed journals  
Participation in competitive calls for proposals at national and international levels.  
Delivering oral presentations at national and international conferences  
Collaborating with national and international renowned research Institutes

### Head office:

Department di **Biology**

### Specific didactic activity of the contract:

The teaching activity will be fulfilled within the courses of the BIO-11 sector and will consist in frontal lectures and practical lab exercises, according to the Departmental yearly teaching plan. Other teaching duties will be the supervision of undergraduate and PhD students, as well as seminars for 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\_4**

**Department of Chemistry and Industrial Chemistry**

Admission Examination Sector **03/A2 - Models and Methods for Chemistry**

**Disciplinary Scientific Sector CHIM/02 - Physical Chemistry**

Nr. of position available: 1

**Department of Physics**

Development of methods, theoretical models and scientific software for computing static and dynamic molecular properties in complex systems

**Focus of research:**

Publications on international peer-reviewed scientific journals, access to competitive research calls, dissemination of research results in national and international conferences, development of computational tools, attainment of a full scientific autonomy also through the supervision of Master and PhD students.

**Scientific productivity:**

Publications on international peer-reviewed scientific journals, access to competitive research calls, dissemination of research results in national and international conferences, development of computational tools, attainment of a full scientific autonomy also through the supervision of Master and PhD students.

**Head office:**

Department of Chemistry and Industrial Chemistry

**Specific didactic activity of the contract:**

Courses in Physical Chemistry and related subjects.

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

Candidates may present a maximum number of **15** scientific publications

**Selection code A\_5**

**Department of Pharmacy**

**Admission Examination Sector 05/E1- General Biochemistry**

**Disciplinary Scientific Sector BIO/10 - Biochemistry**

Nr. of position available: 1

**Focus of research:**

The study of molecular mechanisms of biotransformations, metabolism, gene expression and regulation, inter- and intra-cellular communications

**Scientific productivity:**

Gain full scientific independence, possibly through the supervision of BSc, and MSc theses. Acceptance during the three years period of an appropriate number of papers on international journals coherent with the examination sector. Dissemination of the obtained results in national and international meetings, and on the web.

**Head office:**

Department of Pharmacy

**Specific didactic activity of the contract:**

Teaching courses of BSc, and MSc of the Department Pharmacy and other Departments of the University of Pisa in which the SSD (disciplinary scientific sector BIO/10) skills are requested.

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 Pharmacy**

**Admission Examination Sector 05/G1 - Pharmacology, Clinical Pharmacology and Pharmacognosy**

**Disciplinary Scientific Sector BIO/14 - Pharmacology**

Nr. of position available: 1

### **Focus of research:**

Scientific activity in the field of the study of drugs, radiopharmaceuticals, nutraceuticals and toxic substances present in products of natural, synthetic, biosynthetic and biotechnological origin. The research activity will be directed to the evaluation of the descriptive aspects of the aforementioned products or their sources, of the actions on the organism (pharmaco- and toxicodynamic, from organosystemic to mechanistic aspects) and of the actions of the organism on them (pharmaco- and toxicokinetics in the aspects of absorption, distribution, metabolism and elimination), of the relationship of the individual genetic configuration with responses to specific drugs (pharmacogenomic-pharmacogenetic). The research will also be directed to the evaluation of the risk/benefit and cost/benefit ratios in the aspects of human employment (drug epidemiology, pharmacovigilance and pharmacoeconomics).

### **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