

Selection procedure for the position of no. 39 researchers with a fixed term contact under article 24, comma 3, lett. b) of the Law 240/2010.

Code RIC2016b2

THE CHANCELLOR

On the basis of the following:

- The Statute of the University of Pisa, issued by a decree from the chancellor on 30 September 1994, no. 196 and subsequent modifications;
- the Law of 30 December 2010, no. 240;
- the University regulations regarding research grants with a fixed term contract under art. 24 of the Law 240/2010, issued with Regional Decree no. 8444 on 29 June 2011;
- the Ministerial Decree on Education, University and Research of 25 May 2011, no. 243, criteria and parameters for preliminary assessment of public procedure selection candidates for contracts under article 24, comma 2, letter c) of the Law December 30 2010, no. 240;
- the clause of the Ministry of Education, University and Research of 2 August 2011, prot. no. 3822, bearing "The Law of 30 December 2010, no. 240 – Application of art. 24 – Ministerial Decree 29 July 2011, no. 336, bearing: Determination of Admissions Examination Sectors, re-grouped into macro-sectors under article 15 of the Law 30 December 2010, no. 240";
- the note of the Ministry of Education, University and Research of 20 April 2011, no. 2330 that has provided clarifications on the application of art. 24 paragraph 3 letter. b of the Italian law 240/2010;
- the Ministerial Decree on Education, University and Research of 2 May 2011, no. 236 that has defined the tables of correspondence between Italian and foreign academic positions;
- the notes no. . n. 21187 of April 2016 and n.24389 of May 2016 by which the Chancellor asked to Departments to send an request for to open a call for full time researchers on a fixed term contract, according to art. 24, paragraph 3, letter. b) of the law no. 240/2010 founded part by the Miur and part by the University of Pisa
- the resolutions of the engaged Department Committees with the request to open the mentioned calls;
- The resolution no. 155 of 27 may 2016 by which the Administration Committee has approved, the allocation between the Departments and the assignment to the competition areas of no. 39 positions for full time researchers on a fixed term contract, according to art. 24, paragraph 3, letter. b) of the law no. 240/2010;

DECLARES

Art. 1

Admissions Examination Procedures

Under art. 24, comma 3, lett. b) of the Law 240/2010 and University Regulations for the position of researchers on a fixed-term contract under art. 24 of the Law 240/2010, the selection procedure for the position of no. 39 full time researcher on a fixed-term contract (denominated as 'Senior' contract) listed in Annex A

Art. 2

Admission requirements for selection

The selection is reserved for applicants who are in one of the following conditions:

- 1) have made use of in accordance with article contracts. 24, paragraph 3, letter a) of Law 30.12.2010, n. 240;
- 2) to have benefited for at least three years, even non-consecutive, research grants awarded in accordance with art. 51, paragraph 6, of the Law n. 449/1997, as amended, or pursuant to Art. 22 of L.240 / 2010 or post-doctoral grants pursuant to art. 4 of Law no. 398/1989 or of similar contracts, grants or scholarships in foreign universities;
- 3) have benefited for at least three years of contracts pursuant to art. 1, paragraph 14 of Law 4.11.2005, n. 230.

For the achievement of the three-year period it can be combined ownership of fixed-term research contracts, research grants and scholarships awarded by foreign universities also.

For the purpose of verifying the analogy of contracts, grants or scholarships in foreign universities, we will refer to D.M. n. 236 of May 2, 2011.

Candidates also citizens of countries outside the European Union, must be in possession of:

- PhD or equivalent qualification obtained in Italy or abroad.

Candidates not admitted for selection are Full or Associated University professors and presently employed research fellows on a permanent contract (even though the latter has lapsed due to retirement).

Furthermore candidates will not be admitted who have had contracts as salaried researchers and fixed-term research contracts under articles 22 and 24 or the Law 240/2010 at the University of Pisa or other Italian Universities, be they state, non-state or computerized as well as bodies under comma 1 of art. 22 of the Law 240/2010 for a period which, in summation of the duration provided by the contract, placed for public announcement, exceeds comprehensively the 12 years (even though non continuative). With the aims of the duration of the aforesaid contract periods of maternity leave or health problems are not observed under the present norms.

The contracts are conferred in accordance with the Ethical Code of the University. They cannot, in any way, be given to those who are related by birth or have affinity with a professor (up to the 4th grade) belonging to the structure from which the sum is assigned.

The applicant must be in possession of the requirements for gaining admission to the selection process at the termination date of the present application.

Art. 3 Applications for admission

The application for the selection shall be written on unstamped paper, using the form in annex B), and signed by the applicant.

The application must be addressed:

MAGNIFICO RETTORE
UNIVERSITA' DI PISA
LUNGARNO PACINOTTI, 44
56126 PISA

code RIC2016b2

The application must be submitted as follows:

1. hand delivered on the following days and time:
from Monday to Friday: 9:00 am – 1:00 pm
Tuesday and Thursday: 3:00 pm – 5:00 pm
2. posted by registered letter with return receipt, or express delivery with return receipt

The application must be received by the Administration department within 30 days after the day of publication of this call on the "Gazzetta Ufficiale" of the Italian Republic. Accordingly, any application delivered or received after that date, although any application sent before the deadline, will be excluded. The date of the post mark will not guarantee acceptance, only the receipt date at the University will.

In the application (see attachment B to be filled out) the candidate must declare, under his/her own responsibility, the following:

- 1.) Selection code (Annex A);
- 2.) Personal details, date and place of birth, residency;
- 3.) The department;
- 4.) Admission Examination Sector and the Disciplinary Scientific Sector;
- 5.) Insurance number or Italian fiscal code number;
- 6.) An address for receiving communication relating to the present document: address with postal code, telephone number, e-mail address;
- 7.) Citizenship;
- 8.) Qualifications (The qualifications obtained abroad must be attached and translated into Italian)
- 9.) be eligible to participate in the selection as it is in one of the condition set out in Article. 2 of this announcement
- 10.) The enjoyment of civil and political rights in Italy or in the country of origin;
- 11.) To not be in possession of a criminal record or convictions, indicating details of the sentences and criminal procedures pending;
- 12.) Medical fitness necessary for the position;
- 13.) Only for male Italian citizens: position regarding military obligations;
- 14.) To not have been dismissed or retired from a Public Administration Body for persistent insufficient production of work; or to not have been declared decreased by a state employee under art. 127 of the "Testo Unico" of dispositions concerning the statute of civilian employees of the state;
- 15.) To not presently hold the status or not have previously held the status of full professor or associate professor or of a permanent university research fellow;
- 16.) To not have exceeded comprehensively twelve years, (even non-continuously) including the set period of the present contract as a salaried research fellow or fixed-term contract researcher under articles 22 and 24 of the Law 240/2010 at the University of Pisa or at other Italian state or non-state or computational Universities respectively; as well as at bodies referred to under comma 1, of article 22 of the Law 240/2010;
- 17.) To be aware that he/she cannot proceed to the stipulation of the contract if he/she is related by birth or has affinity with a professor (up to 4th grade) belonging to the department or to the structure that proposes the activation of the contract; or with the Chancellor, the General Director or any component member of the University Administration Governing Board.
- 18.) to authorize the University of Pisa to the processing of personal data as provided by art. 14 of the contract.

Any lack in the application forms of declarations of which in the preceding points would result in exclusion of the selective process, an exclusion is made, only for foreign citizens, for the missing inclusion of Italian fiscal code.

All applicants are admitted to the selection but subject to check the actual possession of the necessary requirements. The Administration can decide at any time, even after the course of the discussion, the exclusion from the selection.

All applicants are eligible for selection, subject to check the actual possession of the necessary requirements, the Administration can decide at any time even after the course of the discussion, the exclusion from the selection.

The candidate's signature below the application form is not subject to authentication.

Any eventual variation of what is declared in the application form must be hastily communicated to the University. The University assumes no responsibility for loss of mail due to any incorrect addressing by candidates including lost or tardy communication of variation; or for any problems relating to the post office or telegram service; or problems due to third parties or any unforeseeable circumstances.

Art. 4 Documents to be attached

The following need be attached to the application forms:

- C.V. of scientific and teaching activity of the candidate duly self-certified using attachment B of the present document.
- Qualifications the candidate holds to be valid for the selection process and which will be presented according to art. 5 with the relative list.
- c) publications that the candidate plans to submit by the panel, including the doctoral thesis, with its list;
- a list of all publications

Furthermore a photocopy of Italian fiscal code and a document of identity are required.

Both the C.V., qualification list and publication list should be dated and signed by the candidate.

Art. 5 Presentation of qualifications and publications

Qualifications should be issued on plain paper.

Candidates may also demonstrate possession of aforementioned qualifications through the form of autocertification by attaching the declaration in substitution of certification under art. 46 of the D.P.R. 445/2000 by filling out annex C.

Qualifications should be either the originals or in authenticated copies by utilizing the declaration in substitution of a notarized act under art. 47 of D.P.R. (President of Republic Decree), 28/12/2000, no. 445, by filling out attachment C.

Non E.U. Citizen candidates resident in Italy can use sworn declarations with limit in cases of proving conditions, facts and personal qualities certifiable or attestable from public or private Italian subjects under article 3, comma 2, of the Italian President of the Republic Decree of 28 December 2000, no. 445.

Certificates released by the competent foreign state authorities must be in accordance with the provisions in force in the same state and must also be legalized by the competent Italian consular authorities.

The Administration reserves the right to proceed with necessary controls on the veracity of the contents in the sworn affidavits.

Referral to documents or publications presented at this or other administration offices or to documents attached to other applications for another selection procedure is not consented.

Publications candidates intend to rely on for selection procedure, allowing for the maximum number indicated in the present document, must be presented together with their application and documents according to art. 4.

On the envelope containing the application and the relative qualifications as well as the publications) the following should be written: "Domanda titoli e pubblicazioni : procedura di selezione per ricercatore contratto a tempo determinate B," and the following must be clearly indicated: selection code, indication of disciplinary scientific sector, the department for which the candidate intends to apply; as well as surname, name and address of the candidate.

Candidates may present their publications in their original form or as authenticated copies or photocopies by utilizing the declaration in substitution of a notarized act in attachment C.

Works printed abroad must bear the date and place of publications.

For works printed in Italy up until 01/09/2006 the obligations set out in art. 1 of the Vice-Regal Legislative Decree of 31 August 1945, no. 660 and later again in those set out by the Law of 15 April 2006, no. 106 and from the D.P.R. of 3 May 2006, no. 252 must be met.

Publications or texts accepted for publication according to the norms in force are considered assessable exclusively for the aims of the present selection; as well as essays inserted in collective works and articles edited in journals in paper or digital form, with the exclusion of internal notes or departmental reports, as well as doctoral theses or equivalent/equipollent qualification titles.

In case of exceeding the maximum limit of publications shown in Annex A), the Commission will evaluate the same using the order shown in the list and up to the prescribed limit.

Art. 6 Exclusion from selection

Exclusion of participation in the procedure due to lack of requirements according to article 2 and 3 is set out with executive provision and notified to the candidate.

Art. 7 The Panel and selection procedure

The panel, nominated via a decree by the Chancellor consists of at least three members from the structure prospering the contract.

The panel must conclude its work before four months of the nominal decree. The Chancellor, for proven and exceptional reasons noted by the president of the panel, may postpone the conclusion of the panel's work only one time and for no longer than two months.

In the first sitting the panel establishes the criteria and modality of candidate's assessment according to the parameters set out by the ministerial decree of 25 May 2011, no. 243, marks to be attributed to qualifications and publications, taking into account what is indicated in the said Ministerial Decree, as well as marks to be attributed to the specific research activities, envisaged in the notice.

Selection is carried out by a preliminary evaluation of the candidates with motivated analytic judgement on their qualifications, CV and on their scientific production, including their doctoral theses.

Following preliminary evaluation the comparatively more meritorious candidates, between 10 and 20 percent of the original number (and no less than 6 in number) are admitted for an interview on the basis of their qualifications and scientific position. All candidates will be admitted for the interview if their total number is equal to or less than 6.

Candidates will be notified via registered post with return receipt 20 days before the interview if they are to attend based on their qualifications and publications. The lack of presence at the interview will be considered an explicit and definitive manifestation of the candidate's voluntary wish to renounce taking part in the selection procedure.

During the interview on the candidates' qualifications and publication there will be an oral examination to assess the candidates' language levels as indicated in this document.

Following the interview a marking system will be attributed to the qualifications and to each publication presented by the successful candidates. For assessment of qualifications and publications the panel can ask for the aid of referees as established in the first meeting.

When the results of the selection procedure have been concluded, based on a comprehensive point system, the panel will set out a list of scores designating the winner or declaring the absence of any winners.

The panel will carry out a motivated assessment followed by a comparative evaluation, referring to the specific Admission Examination sector and to the profile defined via indication of one or more disciplinary-scientific sectors, C.V. and the following properly documented qualifications of the candidates:

- a.) PhD or equivalent, or , for the interested sectors, a certificate of medical specialization or equivalent awarded in Italy or abroad;
- b.) Any university teaching activity in Italy or abroad;
- c.) Documented training or internship activity or research at established Italian or foreign institutes;
- d.) Documented clinical activity relating to the Admission Examination Sector requesting such competences;
- e.) Experience of project activity as stated in the Admission Examination Sector's requirements.
- f.) Organization, management and coordination of national or international research groups or participation in the above;
- g.) Patent titles as stated in the Admission Examination Sector's requirements.
- h.) Speaker at national or international congresses or conventions;
- i.) National or international prizes or recognition for research;
- j.) European certificate of specialization recognized by international boards as stated in the Admission Examination Sector's requirements;

Assessment of each qualification indicated by comma 1 is effected by considering specifically the significance the latter has in order of quality and quantity of the research activity carried out by the single candidate.

The panel will effect comparative assessment of the publications on the basis of the following criteria:

- a.) Originality, innovation, rigorous methodology and relevance of each scientific publication;
- b.) Congruence of each publication with the Admission Examination Sector for which the selection procedure is effected and with any profile, defined exclusively via indication of one or more disciplinary-scientific sectors, or with interdisciplinary themes correlated to the latter;
- c.) Scientific relevance of editorial collocation of each publication and its circulation within the scientific community;
- d.) Analytic determination, also on the basis of recognized criteria in the referred international scientific community, of individual bearing of the candidate in case of participation in collaboration work;

The panel must also evaluate the consistent complexity of the candidate's scientific production, the intensity and temporal continuity of the same (subject to periods adequately documented of non-voluntary distancing from the research activity) with particular attention to parenting functions.

In the arena of the Admission Examination Sector wherein international standards are used for assessing publications, the following indicators are used (referring to the candidate deadline dates):

- a.) Total number of citations;
- b.) Average number of citations per publication;
- c.) Total impact factor
- d.) Average impact factor per publication;
- e.) Combination of previous parameters for assessing the impact of the candidate's scientific production (Hirsch index or similar).

Art. 8 Validation of the acts

The procedural acts are consigned from the panel to the procedure authorities.

The Chancellor, within thirty days of notification, shall attest with his own decree the formal validity of the acts and the result of the procedure, which will be rendered public via publication on the official University register and on the University web site. The proposition of any appeals to the selector's decision and their terms will be given on the date the register is issued with the result.

In the case where evidence of faults occur the Chancellor will re-send, with motivated provision, the acts to the panel until they comply with regulations within the following twenty days.

Art. 9 Call proposal

The department will communicate the winner within 60 days of validation of the acts.

The deliberation is valid if approved by an absolute majority favorable vote of the full and associate professors afferent to the structure.

Non adoption of the deliberation call, within the deadline under comma 1, will result in the

impossibility of the structure invoking this document, to request a new selection procedure for the same sector for a period of one year.

The deliberation containing the call proposal is subject to approval of the Administration Governing Board.

In the case whereby the winner renounces the position before the signing of the contract the department can proceed to a new call taken from the score list of candidates.

Art. 10 Work relation

The successful candidate will engage in a working relation with the University of Pisa for a fixed-term contract via the stipulation of a private subordinate contract undersigned by the Chancellor and regulated by the University Regulations for the employment of research post graduates on a fixed-term contract under art. 24 of the Law 240/2010 cited in the introduction of this document and published on the University of Pisa website.

Disciplinary competence is regulated by art. 10 of the Law 240/2010.

The successful candidate must present, according to the stipulation of the individual contract of work, all the documentation requested under the norms in force for the engagement of a working relation on a fixed-term contract, for research.

The contract is subject to all obligations set out for the remaining work relations stipulated with the University of Pisa.

The regime of incompatibility and the execution of other positions is regulated by art. 14 of the above cited University Regulations for the employment of research post graduates on a fixed-term contract under art. 24 of the Law 240/2010.

Art. 11 Salary

The salary stipulated in the wording of the contract is equal to 41.877,67 Euro a.l. including a "thirteenth month" end-of-year bonus, for the entire duration of the contract, corresponding to the expected salary of the post graduate researcher (confirmed as class O) on a full time contract, elevated of 20% .

Inflation and career index-linked pay adjustments are not applied to fixed-term post graduate researchers.

Art. 13 Return of documentation

At the end of the selection procedure, elapsing 60 days after the publication of the Chancellor's decree (validating the acts) in the official University Register, the University shall return to those applicants, who specifically so requested, their original documents attached to their application forms unless there be any legal acts binding. The documents must be collected by the applicant within 30 days of the expiry of the stipulated termination date. Beyond this date the University is no longer responsible for the keeping and returning of the above documentation.

Art. 14

Protection of personal data

The protection of personal data is subject to the "Protection of personal data" legislative decree of 30 June 2003, no. 196 published in the Official Register of 29 July 2003, general series no. 174, ordinary supplement no. 123 L.

Any data provided by applicants will only be used for the purposes of the present announcement.

Such data must be provided for the requisites for participation. If they are not so provided the applicant shall be disqualified.

Applicants enjoy the right of the above cited law, including the right to access any data that regards them, and also have the right to rectify, update, complete or delete any erroneous and incomplete data; or any data collected under terms not conforming with the law.

Art. 15

Person in charge of the proceedings.

In accordance with the article 5 of Law no. 241 of 7 August 1990, the person in charge of the present announcement is Dott.ssa Laura Tangheroni, Teaching and Technical Staff Recruitment Office – University of Pisa – Lungarno Pacinotti 44 – Pisa – fax: 050/2212167 – e-mail: concorsi@adm.unipi.it

Art. 16

Publication

The present decree is published in the Official Register, special IV series "Admission examinations".

Selection code A_1

Department of Biology

Admission Examination Sector: 05/B1 ZOOLOGY AND ANTHROPOLOGY

Disciplinary Scientific Sector BIO/05 ZOOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Research activity of international level on behavioural biology of Vertebrates studied in natural conditions

Scientific productivity:

Scientific papers published on national and international indexed journals (ISI, Scopus); attendance to national and international scientific events for the dissemination of the research results.

Head office:

Department of Biology

Specific didactic activity of the contract:

Lectures in courses on ethological or zoological subjects pertinent to the Disciplinary Scientific Sector BIO/05. Mentoring activity for undergraduate and graduate and Ph.D. students is also required.

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/B2 - COMPARATIVE ANATOMY AND CYTOLOGY

Disciplinary Scientific Sector BIO/06 - COMPARATIVE ANATOMY AND CYTOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The research activity will be focused on the mechanisms that direct the development of the central nervous system and the process of neuronal commitment, in physiological and/or pathological conditions. Within this field, he/she will employ methodologies at the cell and molecular levels, including the recent tools of genomics, transcriptomics, proteomics etc. For the purposes of the research, he/she will take advantage of animal models and/or cellular models of neural commitment (e.g. embryonic stem cells and/or neural stem cells, cellule iPS etc.).”

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 within the courses of the BIO-06 sector and will consist in frontal lectures (possibly including 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 the “Biology” PhD programme.

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_3

Department of Biology

Admission Examination Sector 05/A2 – PLANT PHYSIOLOGY

Disciplinary Scientific Sector BIO/04 - PLANT PHYSIOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The selected candidate will conduct his research and teaching activities in relation to the mechanisms of plant biology, including developmental biology, and the interaction of plants with the environment and between different plant parts. Moreover, biotechnological and technological applications will be subjects of teaching and research activities.

Scientific productivity:

Publication of research output in international indexed journals and attendance to national and international scientific events as an opportunity for scientific debate and communication of the research results.

Head office:

Department of Biology

Specific didactic activity of the contract:

Teaching activities include courses dealing with plant biology and plant physiology in the form of lectures and/or practical courses. Moreover, seminars related to the research activities can be offered in the frame of PhD course.

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

Candidates may present a maximum number of 14 scientific publications

Selection code A_4

Department of Chemistry and Industrial Chemistry

Admission Examination Sector 03/B1 - PRINCIPLES OF CHEMISTRY AND INORGANIC SYSTEMS

Disciplinary Scientific Sector CHIM/03 - GENERAL AND INORGANIC CHEMISTRY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Synthesis, characterization (also structural) and study of the properties of molecular inorganic and metallorganic compounds

Scientific productivity:

Publications on scientific peer-reviewed international journals, communications to national and international scientific meetings, patents

Head office:

Department of Chemistry and Industrial Chemistry

Specific didactic activity of the contract:

Courses pertaining to the discipline.

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 Chemistry and Industrial Chemistry

Admission Examination Sector – 03/C1 ORGANIC CHEMISTRY

Disciplinary Scientific Sector CHIM/06 - ORGANIC CHEMISTRY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The scientific activity sought must fall within the most interesting fields of current Organic Chemistry, like for example: structure, reactivity and synthesis of organic compounds; natural and bioactive organic compounds; stereochemistry; catalysis; supramolecular chemistry and molecular recognition; organic compounds for innovative applications e.g. in pharmacology, agricultural and food chemistry; optoelectronics, functional materials.

Scientific productivity:

Gain and demonstrate full scientific independence, possibly through the supervision of BSc, MSc and PhD theses. Scientific publication in international journals and access to competitive calls for research grants. Disseminate scientific results through the web and in other public activities.

Head office:

Department of Chemistry and Industrial Chemistry

Specific didactic activity of the contract:

Theory and lab courses of Organic chemistry in BSc and MSc programs of the University of Pisa, according to minimum and maximum requirements as specified by the law and the University of Pisa

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_6

Department of Civilisations and Forms of Knowledge

Admission Examination Sector – 11/C3 – MORAL PHILOSOPHY

Disciplinary Scientific Sector M-FIL/03 – MORAL PHILOSOPHY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The research field will be devoted to Applied Ethics. Ethics will be applied, from an interdisciplinary point of view, in particular to communication, image, new technologies and advertising

Scientific productivity:

Publication in Moral Philosophy: in particular in Applied Ethics. Participation and organization of workshops and conferences

Head office:

Department of Civilisations and Forms of Knowledge

Specific didactic activity of the contract:

Didactics on Ethics and Applied Ethics in the “DISCO” degree: in particular Communication Ethics and Ethics of Advertising

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_7

Department of Economics and Management

Admission Examination Sector – 13/D4 – MATHEMATICAL METHODS OF ECONOMICS, FINANCE AND ACTUARIAL SCIENCES

Disciplinary Scientific Sector SECS-S/06 – MATHEMATICAL METHODS OF ECONOMICS, FINANCE AND ACTUARIAL SCIENCES

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

“research activity has to be done on the topics lying among the field of SSD SECS-S/06; particular relevance will be given to research on mathematical models for Economics and Finance.”

Scientific productivity:

The aim of the research activity is to produce high level research articles to be published on leading international journals of the field.

Head office:

Department of Economics and Management

Specific didactic activity of the contract:

Basic courses on Calculus and Finance, advanced courses on mathematical models for Economics and Finance.

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_8

Department of Economics and Management

Admission Examination Sector – 13/B1 – BUSINESS ADMINISTRATION AND ACCOUNTING STUDIES

Disciplinary Scientific Sector SECS-P/07 – BUSINESS ADMINISTRATION AND ACCOUNTING STUDIES

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Theoretical and empirical analysis of management systems in governments, local councils and companies participated by public administrations

Scientific productivity:

Publications of papers in academic journal, monographs and contribution in books on the subject regarding public management systems

Head office:

Department of Economics and Management

Specific didactic activity of the contract:

Teaching activities on two courses on the subjects regarding Management and Business Administrations.

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_9

Department of Pharmacy

Admission Examination Sector 05/E2 - MOLECULAR BIOLOGY

Disciplinary Scientific Sector BIO/11 - MOLECULAR BIOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Study of the molecular functions of informative macromolecules, with particular attention to the macromolecules involved in the control of proliferation, transformation and differentiation of differentiated and stem cells. The researcher activity will involve the study on protein-protein interactions (P53/MDM2; synuclein/beta amyloid and synuclein/protein tau) and on G-protein coupled receptors, their regulatory mechanisms (desensitization and internalization) and activation of intracellular signaling pathways, in cells and cellular model of neurodegenerative and cancer diseases.

Scientific productivity:

The scientific productivity will be directed towards the publication of articles in international ISI peer-reviewed papers, attendance to national and international meetings relative to the competitive sector, starting of scientific cooperation on topics defined by the program with organizations and national and foreign institutions, technology transfer

Head office:

Department of Pharmacy

Specific didactic activity of the contract:

The researcher will be required to carry out teaching activity in subjects belonging to the 05/E2 sector BIOLOGIA MOLECOLARE

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_10

Department of Pharmacy

Admission Examination Sector 05/G1 – PHARMACOLOGY, CLINICAL PHARMACOLOGY AND PHARMACOGNOSY

Disciplinary Scientific Sector BIO/14 – PHARMACOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The researcher will be involved in projecting, coordinating and carrying out pre-clinical and translational pharmacological studies, for the development and characterization of original synthetic or natural molecules, endowed with H₂S-donor and NO-donor properties, and of potassium channel modulators, with potential application in the pharmacotherapy of cardiovascular diseases

Scientific productivity:

“a) Publication of scientific articles on international journals, focused on the mechanisms of action of gasotransmitters, such as H₂S and NO, in the cardiovascular system and on the pharmacological evaluation of new molecules endowed with H₂S-donor and NO-donor properties;
b) Publication of scientific articles on international journals, focused on the pharmacological evaluation of new modulators of potassium channels expressed in vascular smooth muscle and in heart mitochondria”

Head office:

Department of Pharmacy

Specific didactic activity of the contract:

The researcher will be required to carry out teaching activity in subjects belonging to the 05/G1 sector “Farmacologia, farmacologia clinica e farmacognosia”. A special effort will be required in the subjects of Pharmacognosy

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_11

Department of Pharmacy

Admission Examination Sector 03/D1 - MEDICINAL, TOXICOLOGICAL AND NUTRITIONAL CHEMISTRY AND APPLIED TECHNOLOGIES Disciplinary Scientific Sector CHIM/08 - PHARMACEUTICAL CHEMISTRY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Development of anti-tumour agents that are able to modulate the carbohydrate metabolism of neoplastic cells, with a particular focus on cellular glucose uptake and lactic acid production: the researcher's activities will cover the molecular design, chemical synthesis and possible implementation of biological assays on the selected metabolic targets, as well as the analysis of the relationships between chemical structure and biological activity.

Scientific productivity:

The scientific productivity targets will be directed towards the publication of articles in international scientific journals (1-3 articles per year in journals with impact factor), attendance at national and international scientific meetings, participation in national and international research projects, technology transfer.

Head office:

Department of Pharmacy

Specific didactic activity of the contract:

The researcher will be required to carry out teaching activity in subjects belonging to the 03/D1 sector "Chimica e tecnologie farmaceutiche, tossicologiche e nutraceuticoalimentari".

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

Candidates may present a maximum number of 16 scientific publications

Selection code A_12

Department of Philology, Literature and Linguistics

Admission Examination Sector 10/G1 - HISTORICAL AND GENERAL LINGUISTICS

Disciplinary Scientific Sector L-LIN/02 - EDUCATIONAL LINGUISTICS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Foreign and second language learning, including Italian as L2. Communication processes and intercultural communication. Technology enhanced language learning, with a focus on methodologies and on language testing.

Scientific productivity:

Scientific publications. Scientific reports at international conferences. International scientific projects

Head office:

Department of Philology, Literature and Linguistics

Specific didactic activity of the contract:

Lectures and seminars, in Italian and in English, in Three-Year and Master's degree courses. Tutoring, also supervising degree and PhD theses.

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_13

Department of Physics

Admission Examination Sector 02/A1 – EXPERIMENTAL PHYSICS OF FUNDAMENTAL INTERACTIONS

Disciplinary Scientific Sector FIS/01 – EXPERIMENTAL PHYSICS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Collaboration to physics experiments on fundamental interactions at particle accelerators or with cosmic radiation detectors, also with responsibilities

Scientific productivity:

Publications and presentations at international conferences

Head office:

Department of Physics

Specific didactic activity of the contract:

Basic physics courses for degrees in science, technology or life science;

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_14

Department of Physics

Admission Examination Sector 02/A2 – THEORETICAL PHYSICS OF FUNDAMENTAL INTERACTIONS

Disciplinary Scientific Sector FIS/02 – THEORETICAL PHYSICS, MATHEMATICAL

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

“Theoretical study, starting from the fundamental principles and laws supported by suitable mathematical and computational tools, and mathematical developments addressed to improved theoretical treatments and modelling of physical phenomena.”

Scientific productivity:

Publications and presentations at international conferences and workshops

Head office:

Department of Physics

Specific didactic activity of the contract:

Basic physics courses for degrees in science, technology or life science; mathematical methods and theoretical physics for the degree in physics.

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_15

Department of Law

Admission Examination Sector 12/D2 – TAX LAW

Disciplinary Scientific Sector IUS/12 - TAX LAW

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Theoretical and practical analysis of the structural arrangements and the operativity of the tax process dynamics, focusing on the standardization and generalization of precautionary protection instruments”.

Scientific productivity:

Publication of essays in academic journals of high international rating and in volumes published by prominent academic publishers; possible publication of a monograph with a prominent academic publisher; participation to conferences and meetings of Italian and international scientific associations

Head office:

Department of Law

Specific didactic activity of the contract:

The teaching of courses included in the macr-area 12/D2 (tax law) and given in the degrees of the Department of Law; in view of specific abilities and interests of the students enrolled in these degrees the teaching should focus on the institutional sides of the various courses.

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_16

Department of Computer Science

Admission Examination Sector 01/B1 - INFORMATICS

Disciplinary Scientific Sector INF/01 - INFORMATICS

Nr. of position available: 2

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Computer Science

Scientific productivity:

Contributions to the progress of the state of art in Computer Science by means of international level publications

Head office:

Department of Computer Science

Specific didactic activity of the contract:

Fundamentals of Computer Science;.

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_17

Department of Civil and Industrial Engineering

Admission Examination Sector 09/B2 - INDUSTRIAL MECHANICAL SYSTEMS ENGINEERING

Disciplinary Scientific Sector ING-IND/17 - INDUSTRIAL MECHANICAL SYSTEMS

ENGINEERING

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Development of innovative methodologies and tools in the field of Industrial Logistics, with particular attention to the following subjects:

- New management models for the Supply Chain Management
- New management models to support Plant Logistics
- Study and development of new Supply Chain and Production Information Systems in light of the Industry 4.0 paradigm

Scientific productivity:

The research activity shall substantiate in the publication of at least 2 manuscripts per year on top level (Q1 ranked) International Journals and be the basis for the proposal, as scientific referee, of at least 1 European project and 1 national project

Head office:

Department of Civil and Industrial Engineering

Specific didactic activity of the contract:

In particular, the didactical activity will be granted within the Plant Logistics Course kept for the Master Degree in Science degree in Economics and Corporate Law (Polo Universitario di Livorno) and within the Courses of Industrial Plants and Management of the Industrial Plants (Degree in Mechanical Engineering, Università di Pisa). Supporting activity and tutoring will be provided for the students as well, for both the exams and the thesis activities.

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

Candidates may present a maximum number of 25 scientific publications

Selection code A_18

Department of Civil and Industrial Engineering

Admission Examination Sector 09/C2 - THERMAL SCIENCES, ENERGY TECHNOLOGY, BUILDING PHYSICS AND NUCLEAR ENGINEERING

Disciplinary Scientific Sector ING-IND/19 - NUCLEAR POWER PLANTS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The objectives of the research will be the theoretical and experimental studies of components of fission and fusion nuclear plants from thermo-mechanical point of view. In particular, the research will deal with: - generation IV nuclear fission plants with particular reference to the effects of the seismic forces and of the forces corresponding to severe accidents; - the components for the storage and transport of radioactive material; - the decommissioning of power plants. Subjects of the research will also be some components of fusion reactors such as the breeding blanket and the divertor.

The research will be carried out using finite element computer codes and experimental equipments available at the Department of Civil and Industrial Engineering, in collaboration with national and international Universities and Research Centers.

The objectives of scientific productivity will be aimed at the production of articles in international scientific journals (1-3 articles per year in journals with impact factor), participation in national and international conferences, participation in European, national and international research projects, technology transfer.

Scientific productivity:

Improving the reliability and the safety of fission and fusion nuclear power plants.

Head office:

Department of Civil and Industrial Engineering

Specific didactic activity of the contract:

The researcher shall conduct educational activities, including classroom teaching activities, of teachings of the scientific sector Ing-Ind19 for the degree courses of industrial engineering.

The researcher will also be required to contribute to the activities of mentoring in the development of theses and PhD dissertations.

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_19

Department of Energy, Systems, Territory, and Construction Engineering

Admission Examination Sector 09/C1 - FLUID MACHINERY, ENERGY SYSTEMS AND POWER GENERATION

Disciplinary Scientific Sector ING-IND/09 - ENERGY SYSTEMS AND POWER GENERATION

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Modeling and experimental research activity about innovative energy systems, with specific reference to energy systems using renewable energy sources. The methodologies will be based either on technical or on economical analysis, and will be aimed at the optimization of single components and systems.

Subjects of particular interests are combined generation of mechanical/electrical power and heat/cold, distributed generation systems, integrated fossil/renewable energy systems, energy storage in different forms and the integration of renewable energy with mobility

Scientific productivity:

The aim of scientific production is writing scientific papers in international scientific journals (1-3 papers per year on high impact journals), participation at national and international congresses and conferences, participation in projects funded by the EU, the Italian national and regional governments, other national and international public and private institutions and participation at projects of technology transfer.

Improvement of knowledge about energy systems with the aim of contributing to the technical and engineering development.

Head office:

Department of Energy, Systems, Territory, and Construction Engineering

Specific didactic activity of the contract:

The researcher will do didactic activities, including face-to-face lessons, in the courses and modules classified in the disciplinary sector of Systems for Energy and Environment for the programs of study for the achievement of first and second level degrees, that foresee them, and PhD studies.

The researcher will have to contribute to tutoring activities and to support students in the preparation of their Master and Phd thesis

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_20

Department of Energy, Systems, Territory, and Construction Engineering

Admission Examination Sector 09/E2 – ELECTRICAL ENERGY ENGINEERING Disciplinary Scientific Sector ING-IND/33 - ELECTRICAL POWER SYSTEMS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Research scope: Energy storage systems, especially electrochemical and electrostatic storage. On-Board Electric Systems including electric and hybrid propulsion systems, electrified transport systems. Other Electric Power Systems subjects.

The research will take advantage of numerical modelling, simulation, and experimental activities

Scientific productivity:

Scientific purposes are:

- to write papers in international scientific journals (1-3 papers per year on journals with good impact factors),
- to participate to conferences (mainly international)
- to participate to research projects funded by the EU, Italian national and regional governmental authorities, or other public and private institutions.
- to perform technology transfer activities
- to contribute to the improvement of knowledge on the research scope.

Head office:

Department of Energy, Systems, Territory, and Construction Engineering

Specific didactic activity of the contract:

Teaching activities on electric and hybrid vehicles, and electric and hybrid mobility systems. Possible teaching activity on other Electric Power Systems subjects.

The researcher will have to contribute to tutoring activities and to support students in the preparation of their Master and PhD thesis.

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_21

Department of Information Engineering

Admission Examination Sector 09/E3 - ELECTRONICS Disciplinary Scientific Sector ING-INF/01 –
ELECTRONIC ENGINEERING

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Micro and nanoelectronic devices: design techniques, simulation, and fabrication processes

Scientific productivity:

The aim of the scientific activity is the publication of articles in high-quality international journals and conferences. It must also be characterized by quality and global significance.”

Sede svolgimento delle attività:

Dipartimento di Ingegneria dell'Informazione

Attività didattica specifica prevista:

Corsi di Elettronica di base, analogica e digitale, dispositivi, tecnologie elettroniche, strumentazione e misure

Head office:

Department of Information Engineerin

Specific didactic activity of the contract:

Teaching classes in basic analog and digital electronics, electron devices, electronic fabrication processes, instrumentation and measurements.

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_22

Department of Information Engineering

Admission Examination Sector 09/G1 - SYSTEMS AND CONTROL ENGINEERING Disciplinary
Scientific Sector ING-INF/04 – SYSTEMS AND CONTROL ENGINEERING

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Automation, Robotics, Systems Theory and Control

Scientific productivity:

Advances in the state of the art in the topics within area 09/G1, documented by high quality publications in peer reviewed journals; capability of acquiring funds for scientific and technological research and development at the local, national, and international level.

Head office:

Department of Information Engineerin

Specific didactic activity of the contract:

Basic and advanced courses within area 09/G1

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_23

Department of Mathematics

Admission Examination Sector 01/A1 – MATHEMATICAL LOGIC, MATHEMATICS EDUCATION AND HISTORY OF MATHEMATICS Disciplinary Scientific Sector MAT/04 - MATHEMATICS EDUCATION AND HISTORY OF MATHEMATICS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Mathematics Education and History of Mathematics

Scientific productivity:

Production of at least 3 scientific publications (book chapters, peer reviewed international conference proceedings, papers on peer reviewed journals) during the three years of the contract”

Head office:

Department of Information Engineerin

Specific didactic activity of the contract:

Teaching of mathematics education and/or history of mathematics courses.

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_24

Department of Clinical and Experimental Medicine

Admission Examination Sector 06/B1 - INTERNAL MEDICINE Disciplinary Scientific Sector MED/09 - INTERNAL MEDICINE

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

the researcher to be recruited is expected to carry out his/her research activities in the area of cardiovascular physiopathology, with emphasis on cardiovascular risk factors. The researcher is expected to carry out his/her research using experimental model to evaluate vascular reactivity in animal and humans (both in-vivo and ex-vivo) as well as a molecular biology approach

Scientific productivity:

scientific production will be aimed at dissemination of results by publication of manuscripts (at least 1-3/year) evaluated on the basis of internationally recognized impact factors and oral/poster communications at National and International conferences. Participation to National and International research projects will also be pursued;

Head office:

Department of Clinical and Experimental Medicine
Clinical activity will be performed in the Units of Azienda Ospedaliero Universitaria Pisana;

Qualification required for the Clinical activity:

Degree in medicine and surgery
Specialization in internal medicine or equivalent and related disciplines

Specific didactic activity of the contract:

The researcher is required to perform the teaching activity in the degree courses of the medical field

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

Candidates may present a maximum number of 25 scientific publications

Selection code A_25

Department of Clinical and Experimental Medicine

Admission Examination Sector 06/D4 - SKIN, INFECTIOUS AND GASTROINTESTINAL DISEASES
Disciplinary Scientific Sector MED/35 - DERMATOLOGY AND VENEREAL DISEASES

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Chronic cutaneous wounds and mechanisms of tissue repair

Scientific productivity:

the candidate would be able to demonstrate a scientific production pertinent to the requested research field, with high impact factor and continuously over a period of three years

Head office:

Department of Clinical and Experimental Medicine
Clinical activity will be performed in the Units of Azienda Ospedaliero Universitaria Pisana;

Qualification required for the Clinical activity:

Degree in medicine and surgery
Specialization in dermatology and venereal diseases or equivalent and related disciplines

Specific didactic activity of the contract:

the rules of teaching activities will be according to the academic schedule already in place for the medical area study courses

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_26

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

Admission Examination Sector 11/E2 – DEVELOPMENTAL AND EDUCATIONAL PSYCHOLOGY

Disciplinary Scientific Sector M-PSI/04 - DEVELOPMENTAL AND EDUCATIONAL

PSYCHOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Identification of personal, familiar and social patterns related to increased vulnerability for health risk behavior in adolescence”

Scientific productivity:

Scientific publications in peer-reviewed journals; participation to international and national projects

Head office:

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

Clinical activity will be performed in the Units of Azienda Ospedaliero Universitaria Pisana;

Qualification required for the Clinical activity:

Degree in medicine and surgery

Specialization in clinical psychology or equivalent and related disciplines

Specific didactic activity of the contract:

University courses belonging to the Disciplinary Scientific Sector M-PSI/04 for the degrees in Clinical and Health Psychology

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_27

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

Admission Examination Sector 06/L1 – ANAESTHESIOLOGY

Disciplinary Scientific Sector MED/41 - ANAESTHESIOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The research activities will focus in particular on the organ protection, sepsis and hemodynamic evaluation in anesthesiology and intensive care

Scientific productivity:

Publications of scientific papers in international journals, participation and organization of scientific conferences.

Head office:

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

Clinical activity will be performed in the Units of Azienda Ospedaliero Universitaria Pisana;

Specific didactic activity of the contract:

University courses belonging to the Disciplinary sector MED/41.

The educational activities will take place as part of the medical field study courses where there is a field

Qualification required for the Clinical activity:

Degree in medicine and surgery

Specialization in Anesthesiology, Reanimation, Intensive Care Pain or equivalent and related disciplines

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_28

Department of Translational Research and of New Surgical and Medical Technologies

Admission Examination Sector 06/A2 - EXPERIMENTAL MEDICINE, PATHOPHYSIOLOGY AND CLINICAL PATHOLOGY

Disciplinary Scientific Sector MED/04 - EXPERIMENTAL MEDICINE AND PATHOPHYSIOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Molecular pathways in neoplastic transformation and progression”

Scientific productivity:

“Publication of scientific papers in the specific field; participation/organization of scientific Meetings; possible registration of technological innovations in the form of Patents”

Head office:

Department of Translational Research and of New Surgical and Medical Technologies
Clinical activity will be performed in the Units of Azienda Ospedaliero Universitaria Pisana;

Specific didactic activity of the contract:

The Researcher is expected to carry out teaching activity concerning the SSD Med/04-General pathology, both in the Specialistic Degree Course in Medicine & Surgery as well as in one or more Triennial Degree Courses for Healthcare Professionals

Qualification required for the Clinical activity:

Degree in medicine and surgery
Specialization in medical oncology or equivalent and related 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 A_29

Department of Agricultural, Food and Agro-Environmental Sciences

Admission Examination Sector 07/C1 – AGRICULTURAL, FOREST AND BIOSYSTEMS ENGINEERING

Disciplinary Scientific Sector AGR/08 – AGRICULTURAL HYDRAULICS AND WATERSHED PROTECTION

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Advanced management of irrigation and fertigation of field, greenhouse, nursery (also in soilless systems) and ornamental crops; Hydraulic design of irrigation and drainage systems; Integrated management of small reservoirs and farm or territorial water sources in agricultural and forestry ecosystems; Agricultural

Scientific productivity:

Papers on ISI/Scopus indexed international journals; participation to national and international congresses; participation to competitive calls for national and international research projects.

Head office:

Department of Agricultural, Food and Agro-Environmental Sciences

Specific didactic activity of the contract:

Courses (Agriculture hydraulic, Irrigation and drainage, Irrigation techniques, Irrigation techniques for urban ornamental green) Department of Agricultural, Food and Agro-Environmental Sciences

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_30

Department of Agricultural, Food and Agro-Environmental Sciences

Admission Examination Sector 07/G1 – ANIMAL SCIENCE AND TECHNOLOGY

Disciplinary Scientific Sector

AGR/17 – LIVESTOCK SYSTEMS, ANIMAL BREEDING AND GENETICS e

AGR/20 – AQUACULTURE, POULTRY AND RABBIT SCIENCE

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Environmental and genetic factors affecting chemical and nutritional quality of milk and meat; genetic basis of the variability of milk and meat fatty acid composition; polymorphisms of the main genes involved in lipid metabolism; interaction among nutrition, animal genetics and rumen microbiome.

Scientific productivity:

Papers on ISI/Scopus indexed international journals; participation to national and international congresses; participation to competitive calls for national and international research projects

Head office:

Department of Agricultural, Food and Agro-Environmental Sciences

Specific didactic activity of the contract:

A course (Genetic improvement in domestic animals) in the MS degree Agri-food production and Agri-ecosystem management Department of Agricultural, Food and Agro-Environmental Sciences

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_31

Department of Geosciences

Admission Examination Sector 04/A1 – GEOCHEMISTRY, MINERALOGY, PETROLOGY,
VOLCANOLOGY EARTH RESOURCES AND APPLICATIONS
Disciplinary Scientific Sector GEO/06 – MINERALOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Systematic mineralogy, structural crystallography and crystal-chemistry, with special attention to the study of Tuscan outcrops, to the characterization of sulfosalts, and to the possible definition of new mineralogical species

Scientific productivity:

Publication of a relevant number of scientific papers on international journals with high impact factor; participation to national and international meetings; scientific and popular conferences

Head office:

Department of Geosciences

Specific didactic activity of the contract:

Teaching in mineralogy and crystallography for 1st and 2nd level degrees in Geological Sciences

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_32

Department of Geosciences

Admission Examination Sector 04/A1 – GEOCHEMISTRY, MINERALOGY, PETROLOGY, VOLCANOLOGY EARTH RESOURCES AND APPLICATIONS

Disciplinary Scientific Sector GEO/07 – PETROLOGY AND PETROGRAPHY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Rock structure, composition and origin, with reference to the geodynamic relevance of petrogenetic processes

Scientific productivity:

Publication of papers in high impact factor journals; presentations at national and international conferences; outreach activities.

Head office:

Department of Geosciences

Specific didactic activity of the contract:

Theoretical, laboratory and field teaching, as well as student tutoring for the GEO/07 teaching programs; seminar activities for master and PhD programs; tutoring of master thesis

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_33

Department of Geosciences

Admission Examination Sector 04/A3 - ENGINEERING GEOLOGY, PHYSICAL GEOGRAPHY AND GEOMORPHOLOGY

Disciplinary Scientific Sector GEO/04 - PHYSICAL GEOGRAPHY AND GEOMORPHOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Geoarchaeology, Geomorphological mapping, Coastal Geomorphology, Environmental protection and enhancement”

As part of the scientific competence of the SSD GEO/04 Physical Geography and Geomorphology, the RTD_B will carry out activities for strengthening the research group in the fields of Geoarchaeology and of coastal geomorphology, also addressing attention to environmental protection and enhancement and to the characterization of geomorphosites. The RTD_B must be able to perform field surveys also aimed at the realization of geomorphological maps, being able to use the modern techniques of detection and monitoring, and to manage and process data through the use of Geographic Information Systems

Scientific productivity:

Publication of peer-reviewed scientific papers in national and international indexed journals; production of Geomorphological and other thematic maps

Head office:

Department of Geosciences

Specific didactic activity of the contract:

Teaching activity and assistance to students according to teaching program (SSD GEO/04).

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_34

Department of Political Sciences

Admission Examination Sector 14/B1 - HISTORY OF POLITICAL THOUGHT AND INSTITUTIONS
Disciplinary Scientific Sector SPS/03 - HISTORY OF POLITICAL INSTITUTIONS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

History of representative and parliamentary institutions, history of citizenship, history of international organizations, history of universities, with a special regard to the XIXth-XXth centuries

Scientific productivity:

Scientific publications in series and journals relevant to the Disciplinary Scientific Sector, national and international conferences attendance, organization of seminars on specific issues referring to the field of research”

Head office:

Department of Political Sciences

Specific didactic activity of the contract:

Teaching activity in Disciplinary scientific sector (SSD) SPS/ 03 courses programmed by the Scienze Politiche Department of the University of Pisa; tutoring to undergraduate and graduate students, evaluation procedures in the SSD SPS/ 03 courses held within the Department undergraduate and graduate programmes

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_35

Department of Political Sciences

Admission Examination Sector 13/A2 – ECONOMIC POLICY
Disciplinary Scientific Sector SECS-P/02 – ECONOMIC POLICY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Economic policy with particular attention to themes of applied econometrics, labor economics, and industrial organization.”

Scientific productivity:

Scientific publications in international top journals in the fields of economics and economic policy.”

Head office:

Department of Political Sciences

Specific didactic activity of the contract:

Teaching activities in courses of economic policy, applied econometrics and economics; tutoring to undergraduate and graduate students, evaluation procedures in courses in economics, economic policy and applied econometrics held within the Department of Political Sciences.

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_36

Department of Veterinary Sciences

Admission Examination Sector 07/H3 – INFECTIOUS AND PARASITIC ANIMAL DISEASES
Disciplinary Scientific Sector VET/05 – INFECTIOUS DISEASES OF DOMESTIC ANIMALS

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The successful candidate shall carry out research regarding the generation of Virus Like Particles (VLPs) for the development of a serological tool for the identification of Norovirus infected animals; development of a recombinant canarypox virus as a possible immunogen towards Epizootic Hemorrhagic Disease Virus (EHDV); bio-molecular and virological research towards the understanding of viral diseases of bees

Scientific productivity:

At least 3 papers in International journals with I.F.”

Head office:

Department of Veterinary Sciences

Specific didactic activity of the contract:

The candidate shall carry out practical and theoretical teaching activities for students of Animal Production Science and technology Degree, Biosafety and Food quality Master Degree, Postgraduate School in Animal Health, Breeding and Livestock.

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_37

Department of Veterinary Sciences

Admission Examination Sector 07/H4 – VETERINARY CLINICAL MEDICINE AND VETERINARY PHARMACOLOGY
Disciplinary Scientific Sector VET/07 – VETERINARY PHARMACOLOGY AND TOXICOLOGY

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

The aims of the research project will be: 1) Development of chromatographic and voltammetric analytical methods for the determination of mycotoxin and heavy metals residues in samples of animal origin; 2) Identification of biomarkers of exposure to mycotoxin and heavy metals in animal species of veterinary interest.

Scientific productivity:

The focuses of scientific production will be the publication of papers in international journals with impact factor and participation to scientific congresses.

Head office:

Department of Veterinary Sciences

Specific didactic activity of the contract:

The teaching activity of the researcher will include lessons and student tutoring in the scientific sector of reference (SSD VET/07).

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

Candidates may present a maximum number of 25 scientific publications

Selection code A_38

Department of Veterinary Sciences

Admission Examination Sector 07/G1 – ANIMAL SCIENCE AND TECHNOLOGY
Disciplinary Scientific Sector AGR/19 – ANIMAL SCIENCE

Nr. of position available: 1

Aim of contract:

The fixed-term research assistant will carry out research activities, teaching activities, supplementary teaching activities and tutoring to undergraduate and graduate students

Focus of research:

Research will regard a thorough investigation of the nutritional, nutraceutical and technology quality of milk, dairy products and the factors of variability affecting them. Particular reference must be paid to the macro-structure of the lipid fraction of milk and its composition by mean of chromatographic methods and optical fluorescence microscopy.

Scientific productivity:

The achievement of the outputs from the research must be documented through the publication of papers in international journals indexed in academic databases. The applicant must take part in scientific conferences

Head office:

Department of Veterinary Sciences

Specific didactic activity of the contract:

The teaching will take place in the Courses including subjects in the sector (AGR 19), including tutoring activities.

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

Candidates may present a maximum number of 20 scientific publications

Example application form

Annex (B)

Al Magnifico Rettore dell'Università di Pisa
Lungarno Pacinotti, 43
56126 PISA
code RIC2016b2

The undersigned applicant _____, born in _____
(day, month, year) in _____ (town, country) and resident in
_____ (street number, street) _____ (town)
_____ (postal code).

REQUESTS

To be admitted for participation in the selection procedure for the position of n.1 fixed-term -contract postgraduate researcher, under art.24, comma 3, lett. B of the Law 240/2010, to collaborate on the research project entitled:

Sector of Scientific Discipline which announces the post on the Official University Register - special series of no. _____

At the Department of _____

Selection code A__ (Annex A)

Aware of his/her responsibility the applicant declares the following:

1. fiscal code, if any (*obligatory for Italian citizens and foreigners with residence in Italy*)
2. to elect domicile for the effects of this application at-----.

to be in possession of the following citizenship: -----
to enjoy the political and civil rights of his/her country of origin :

3. Qualifications:

(The qualifications obtained abroad must be attached and translated in Italian)

- PhD or equivalent qualification _____,
obtained at _____ the date _____ ; ;
or
 Medical residency (for the sectors concerned) _____
obtained at _____ the date _____ ;

4. be eligible to participate in the selection as it is in one of the condition set out in Article. 2 of this announcement:

- contracts as fixed-term researcher, pursuant to art. 24 paragraph 3 letter a) of Law 240/2010 (junior) obtained at _____ the date _____

Or

- contracts as research fellow pursuant to art. 51 paragraph 6 of Law 449/97 and subsequent amendments to the law obtained at _____ the date _____

Or

- contracts as postdoctoral fellow pursuant to art. 4 of Law 398/89 obtained at _____ the date _____

Or

- equivalent contracts obtained from foreign universities obtained at _____ the date _____

Or

- contracts as fixed-term researcher, pursuant to art. 1 paragraph 14 of Law 230/2005 obtained at _____ the date _____

(For the achievement of the three years can be combined ownership of fixed-term contracts of researchers, research grants and scholarships awarded by foreign universities also.)

5. to not be in possession of a criminal record or convictions , indicating details of the sentences and criminal procedures pending.

6. to have the physical fitness necessary for the position

7. only for male Italian citizens: position regarding military obligations.
8. to not have been dismissed or retired from a Public Administration body for persistent insufficient production work; or to not have been declared deceased by a state employee under art.127of the 'Testo Unico' of dispositions concerning the status of civilian state employees.
9. To not presently hold or not have previously held the status of full or associate professor or of permanent university research fellow
10. to not have exceeded comprehensively twelve years (even non-continuously), including the set period of the present contract in the role of a salaried researcher or fixed-term contract researcher under articles 22 and 24 of the Law 240/2010 at the University of Pisa or at any other Italian state or non-state or computational university respectively; as well as at bodies referred to under comma 1, of article 22 of the Law 240/2010
11. To be aware that he/she cannot proceed to the stipulation of the contract if he/she as related by birth or has affinity with a professor (up to 4th grade) belonging to the department or to the structure that proposes the activation of the contract; or with the Chancellor, the General Director or any component member of the University Administration Governing Board.
12. To authorise the University of Pisa with processing of personal data under art.11 of the assessment procedure notice.

I, the undersigned attach the following to the application forms:

- 1) C.V. of scientific and teaching activity , dated and signed
numbered list of dated and signed qualifications presented
numbered list of dated and signed publications presented
a photocopy of fiscal code and identity document
qualifications and publications

The undersigned declares he/she understands that false declarations are punishable in accordance with the penal code and related laws.

The undersigned agrees to inform the university administration of any subsequent variations and acknowledges that the administration is not liable for loss of any communications due to any incorrect addressing by candidates; or due to late changes of address from those indicated in the application. Nor is the administration liable for post office or telegraph problems, problems due to third parties or any unforeseeable circumstances.

Date _____

Signature _____
(not to be authenticated ex art. D.P.R 445/2000)

Annex (C)

SUBSTITUTE DECLARATION OF CERTIFICATION

Art. 46 of DPR 445 of 28/12/2000

I, the undersigned _____, born in _____ province of
_____ on the _____ resident in
_____ province of _____ street/square
_____ no. _____

Acknowledging the penal responsibility set out in Arts. 75 and 76 of the DPR 445/2000 regarding the hypothesis of falsehood in records and false declarations,

DECLARE

Date _____

The Applicant _____

No validation of signature required. No stamp duty required.

Annex (D)

SUBSTITUTE DECLARATION OF NOTARY ACT

Article 19 and 47 of the DPR dated 28/12/2000

I, the undersigned _____, born in _____ province of
_____ on the _____ resident in
_____ province of _____ street/square
_____ no. _____

Acknowledging the penal responsibility set out in Arts. 75 and 76 of the DPR 445/2000 regarding the hypothesis of falsehood in records and false declarations,

DECLARE

(as exemplified: that all the information contained in my CV presented is true. Or : that the copies of my qualifications or publications presented conform to the originals)

Date _____

The Applicant _____

No validation of signature required. No stamp duty required.