

**DIREZIONE DEL PERSONALE E DEGLI AFFARI GENERALI**

Dirigente:Dott. Ascenzo Farenti

**UNITA' PROGRAMMAZIONE E RECLUTAMENTO DEL PERSONALE**

Responsabile: Dott.ssa Laura Tangheroni

**Selection procedure for the position of no. 36 researchers with a fixed term contact under article 24, comma 3, lett. a) of the Law 240/2010.**

**Code RIC2015a1**

**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, in particular art. 24;

–The Ministerial Decree on Education, University and Research of 24 May 2011, no. 242;

–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 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 as amended;

– 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 resolution no. 162 of 24 April 2013 by which the Administration Committee has approved the three-year staff scheduling;

–the allocation between the Departments and the assignment to the competition areas of no. 36 positions for full time researchers on a fixed term contract, according to art. 24, paragraph 3, letter. a) of the law no. 240/2010;

–the authorization issued by the Azienda Ospedaliera Universitaria Pisana in favour of the welfare performances planned for the following fields:

- 06/B1 “Internal medicine” - SSD MED/09 “Internal medicine”;
- 06/D2 “Endocrinology, nephrology, food and wellness sciences” – SSD MED/13 “Endocrinology”;
- 06/D3 “Blood diseases, oncology and rheumatology” - SSD MED/16 “Rheumatology”;
- 06/D4 “Skin, contagious and gastrointestinal diseases” - SSD MED/35 “Dermatological and venerological diseases”;
- 06/H1 “Obstetrics and gynaecology” - SSD MED/40 “Obstetrics and gynaecology”;
- 06/D1 Cardiovascular and respiratory diseases” - SSD: MED/11 “Cardiovascular diseases”;
- 06/F2 “Eye diseases” - SSD MED/30 “Eye diseases”.

**DECLARES**

**Art. 1**

**Admissions Examination Procedures**

Under art. 24, comma 3, lett. a) 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. 36 full time researchers on a fixed-term contract (denominated as 'Junior' contract) listed in Annex A

**Art. 2**

**Admission requirements for selection**

For selection, candidates (also those who are citizens not belonging to the European Union) are admitted to participate if they are in possession of the following:

–PhD or equivalent qualification, received in Italy or abroad;

–Qualification certificate in medical specialization for the sectors concerned. In such a case the PhD or equivalent qualification would be preferred.

Up to the year 2015 a teaching degree or equivalent, together with a professional scientific cv suitable for research activity, is considered a valid qualification for admission.

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.

### Art. 3

#### Applications for admission

Applications for comparative selection, will be produced, on pain of exclusion, within the final date of 30 days starting on the day following the publication of the extract of this notice in the Gazzetta Ufficiale.

The application should be addressed to

MAGNIFICO RETTORE  
UNIVERSITA' DI PISA  
LUNGARNO PACINOTTI, 43  
56126 PISA

**Selection code RIC2015a1**

Applications will be accepted if they are sent by registered post with return receipt before the deadline indicated. The stamp of the accepting post office shall be considered proof.

Applications may be presented directly to the “Università Unità Protocollo”, Lungarno Pacinotti, 43, Pisa during the following times:

from Monday to Friday: 9:00 am – 1:00 pm

Tuesday and Thursday: 3:00 pm – 5:00 pm

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. Admission Examination Sector and the Disciplinary Scientific Sector;
4. The department;
5. An address for receiving communication relating to the present document: address with postal code, telephone number, e-mail address;
6. Insurance number or Italian fiscal code number;
7. Citizenship;
8. The educational qualifications and professional scientific curriculum held for admission (the title obtained abroad must be attached and translated into Italian or English)
9. The enjoyment of civil and political rights in Italy or in the country of origin;
10. To not be in possession of a criminal record or convictions, indicating details of the sentences and

- criminal procedures pending;
11. Medical fitness necessary for the position;
  12. Only for male Italian citizens: position regarding military obligations;
  13. 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;
  14. 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;
  15. 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;
  16. To be aware that he/she cannot proceed to the stipulation of the contract if he/she is related by birth or has affinity (up to 4<sup>th</sup> grade) or marriage with a professor 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.
  17. to authorize the University of Pisa to the processing of their personal data as provided by art. 14 of the announcement.

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.

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:

- a.) C.V. of scientific and teaching activity of the candidate duly self-certified using attachment C of the present document.
- b.) 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;
- d) 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 attachment 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 D.

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.

In 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 contratto a tempo determinato," 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 D.

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.

#### Art. 6 Exclusion from selection

Exclusion of participation in the procedure due to lack of requirements according to article 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, as well as marks to be attributed to

qualifications and publications.

Selection is carried out by a preliminary evaluation of the candidates with motivated analytic judgment 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 favourable 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 effectation 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.

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 (up to the 4<sup>th</sup> grade) or marriage with a professor 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. 11 Postponement of contract

The contract may be postponed for only two years and only once, after a positive evaluation of the teaching and research activities, on the basis of methods, criteria and parameters defined by the Minister.

#### Art. 12 Salary

The salary stipulated in the wording of the contract is equal to 34.898,06 Euro I.d.. 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 0) on a full time contract.

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 43/44 – Pisa — fax: 050/2210661 – e-mail: [concorsi@adm.unipi.it](mailto: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

**Annex (A)**



**Department of Chemistry and Industrial Chemistry**

Admission Examination Sector: **03/A1 Analytical chemistry**

Disciplinary Scientific Sector: **CHIM/01 Analytical 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 analytical methods to support the diagnosis of diseases and for the evaluation of specific therapies in the field of cardiovascular diseases and metabolic disorders.”

**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

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**Specific didactic activity of the contract:**

Teaching courses that pertain to the discipline CHIM / 01-Analytical Chemistry.

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 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:**

“Study of the synthesis, properties and applications of inorganic, coordination and organometallic 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.

### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

### **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 **12 scientific publications**

## Selection code A\_3

### Department of Civilisations and Forms of Knowledge

Admission Examination Sector: **13/C1 Economic history**

Disciplinary Scientific Sector: **SECS-P/04 History of economic thought**

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 evolution of the debate on the role of the State and the market in the economic thought. The philosophical roots of the opposite conceptions and their relationship with the developments of political thought

#### **Scientific productivity:**

Scientific publications, participation and paper presentation at scientific conferences

#### **Head office:**

Department of Civilisations and Forms of Knowledge

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Courses on the economic thought of the 20th century, with particular attention to Keynes's thought and its diffusion

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 Economics and Management

Admission Examination Sector: 13/A5 **Econometrics**

Disciplinary Scientific Sector: SECS-P/05 “**Econometrics**”

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:**

Spatial econometrics for the evaluation of macroeconomic policy

#### **Scientific productivity:**

Publications in national and international journals, seminars, and participation to research projects

#### **Head office:**

Department of Economics and Management

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Courses in the SSD of the present call, related to Econometrics and the Econometrics of Financial Markets, in Bachelor and Master's degrees at the Department of Economics and Management

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

Candidates may present a maximum number of **12 scientific publications**

## Selection code A\_5

### Department of Economics and Management

Admission Examination Sector: **13/B2 “Management”**

Disciplinary Scientific Sector: **SECS-P/08 “Management”**

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:**

Digital market emergence: new research methods for the analysis of on-line competitive processes. Demand and supply side factors from national and international perspectives”

#### **Scientific productivity:**

“Publishing papers on national and international journals

#### **Head office:**

Department of Economics and Management

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree , degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Courses in the Marketing area with specific reference to the topics indicated above (research scope) at the graduate and post-graduate level

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/A1 Botany**

Disciplinary Scientific Sector: **BIO/15 “BIO/15 “Pharmaceutical 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:**

Isolation and structural characterization of secondary metabolites from plants through spectroscopic and spectrometric techniques. Quali-quantitative analysis of secondary metabolites from food, medicinal, and aromatic plants and/or from plant in vitro cell cultures. HPLC, LC-MS, GC-MS, NMR equipments will be used to isolate and identify secondary metabolites with biological, agriculture and industrial interest

**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

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**Specific didactic activity of the contract:**

Teaching courses for 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 **12 scientific publications**

**Selection code A\_7**

## **Department of Pharmacy**

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:**

Synthetic chemistry of complex carbohydrates, including rare monosaccharides, oligosaccharides, and glycoconjugates. Methods of regio- and stereoselective elaboration of functional groups of carbohydrates and of selective protection-deprotection strategies

### **Scientific productivity:**

“Dissemination of the results to the scientific community through publications in peer-reviewed international journals, presentation of the results in national and international meetings, filing of patents”

### **Head office:**

Department of Pharmacy

### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Courses in the field of Organic Chemistry

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\_8

### Department of Pharmacy

Admission Examination Sector: **03/D2 “Drug technology, socioeconomics and regulations”**

Disciplinary Scientific Sector: CHIM/09 **“Pharmaceutical and technological applications of chemistry regulation”**

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 project will concern the study of formulations for synthetic and natural drugs and/or active cosmetic ingredients, and the assessment of both technological-biopharmaceutical aspects using in vitro and/or ex vivo investigative techniques

#### **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

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Courses in the field of Organic Chemistry

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 Philology, Literature and Linguistics

Admission Examination Sector: **10/E1 “Medieval latin and romance philologies and literatures”**

Disciplinary Scientific Sector: **L-LIN/17 “Romanian language and literature”**

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:**

Studies in modern and contemporary Romanian Language, particularly on the theoretical, philological and critical approaches and also on the present specificities of Romanian Language in a sociolinguistic perspective, with possible research in the stylistics and literary field

#### **Scientific productivity:**

Publication of articles in Romanian, Italian and international Journals

#### **Head office:**

Department of Philology, Literature and Linguistics

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching Course for SSD L-LIN/17 within the Degree Programs afferent to Department of Philology, Literature and Linguistic

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\_10

### Department of Department of Physics

Admission Examination Sector: **02/C1 “Astronomy, astrophysics, Earth and Planetary Physics”**

Disciplinary Scientific Sector: **FIS/05 “Astronomy and astrophysics”**

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:**

Observational research, particularly connected with extrasolar planets, stellar and planetary system formation, and interstellar medium

#### **Scientific productivity:**

Results as part of international collaborations, scientific publications in international, refereed journals, and presentations at international conferences and congresses

#### **Head office:**

Department of Physics

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching responsibilities include general physics and specialized astrophysics courses related to the candidate's area(s) of research

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

Candidates may present a maximum number of **12 scientific publications**

It is suggested that include in its curriculum a complete list of publications and a brief description in your resume the context of each of the 12 publications presented. If the PhD thesis is not part of the 12 publications are also suggested to provide one electronic copy or a reference to the same network

## Selection code A\_11

### Department of Law

Admission Examination Sector: **12/C2 “Ecclesiastical law and canon law”**

Disciplinary Scientific Sector: **IUS/11 “Ecclesiastical and canon 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:**

Religious and cultural identity issues in public and religious law, with a special focus on comparative Indian and Far East law and their impact on western societies

#### **Scientific productivity:**

Publication of a monographic book and other papers or essays in peer-reviewed journals or book chapters.

#### **Head office:**

Department of Law

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Classroom teaching each academic year, integrative teaching and service to students scheduled by the periodic teaching programming related to ssd IUS 11

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\_12

### 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:**

Scientific results, publishable on international journals

#### **Head office:**

Department of Computer Science

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Courses in 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\_13

### Department of Civil and Industrial Engineering (DICI)

Admission Examination Sector: **09/A3 “Industrial design, machine construction and metallurgy”**

Disciplinary Scientific Sector: **ING-IND/14 “Mechanical design and machine construction”**

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 program will be focused on typical subjects of Mechanical Design and Machine Design, with emphasis on Automotive applications and multibody dynamics applied to vehicle engineering. The research will also include the mechanical behavior and the experimental characterization of materials, with particular reference to smart materials

#### **Scientific productivity:**

The results of the researches will be disseminated through papers in international peer reviewed journals and through papers and oral presentations at national and international conferences

#### **Head office:**

Department of Civil and Industrial Engineering (DICI)

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

The didactic activity, including lectures, will be carried out for the courses of the branch 09/A3, with prevalence for the disciplines of the SSD ING-IND/14 and, in particular, for the Automotive Design course of the Master course in Vehicle Engineering with particular reference to the mechanical engineering and vehicle engineering areas

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 Civil and Industrial Engineering (DICI)

Admission Examination Sector: **09/A1 “Aeronautical and aerospace engineering and naval architecture”**

Disciplinary Scientific Sector: **ING-IND/07 “Aerospace propulsion”**

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:**

Experimentation, characterization and analysis of systems and subsystems of chemical rocket motors, with special reference to liquid propellant engines

#### **Scientific productivity:**

Conception, realization and management of research activities in the aerospace propulsion sector developed in national and international contexts in collaboration with Italian and foreign agencies, institutions and industries. Publications of the results in indexed international scientific journals and conferences with acceptance subject to review of the submitted contributions. Scientific productivity is required to be competitive, both in quality and quantity, with the reference productivity of the scientific discipline sector ING/IND 07 - Aerospace propulsion

#### **Head office:**

Department of Civil and Industrial Engineering (DICI)

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

The didactic activity, including lectures, will be carried out for the courses of the branch 09/A1, with prevalence for the disciplines of the SSD ING-IND/07 in particular in Aerospace Engineering and other institutional activities of courses relevant to propulsion and included in the educational plans of studies of the Degrees in Aerospace Engineering.

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\_15

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

Admission Examination Sector: **09/C2 “Thermal sciences, energy technology and building physics”**

Disciplinary Scientific Sector: **ING-IND/11 “Building physics and building energy 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

### **Aim of contract:**

Buildings and confined spaces physics, gathering and processing of environmental data, energy performance of buildings, thermo-fluid dynamics, techniques and technologies for natural and artificial lighting, environmental, building and room acoustics, indoor and environmental comfort

### **Focus of research:**

Buildings and confined spaces physics, gathering and processing of environmental data, energy performance of buildings, thermo-fluid dynamics, techniques and technologies for natural and artificial lighting, environmental, building and room acoustics, indoor and environmental comfort

### **Scientific productivity:**

The expected scientific activity involves participation to research projects funded by public or private entities, writing of scientific papers to be published either in domestic and international frameworks, on scientific journals or congresses. Any deposit of industrial patents.

The scientific productivity must be consistent with the reference of SSD ING-IND/11

### **Head office:**

Department of Energy, Systems, Territory, and Construction Engineering

### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching and service to students, especially in ING-IND / 11 sector

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\_16

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

Admission Examination Sector: **08/B3 “Structural engineering”**

Disciplinary Scientific Sector: **ICAR/09 “Structural 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:**

Masonry structures

#### **Scientific productivity:**

publications in journals and conference proceedings, participation in conferences

#### **Head office:**

Department of Energy, Systems, Territory, and Construction Engineering

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

One of the teachings pertaining to the ICAR/09 (Structural Engineering) in the graduate program in Energy Engineering or Master of Science in Building Engineering - Architecture single-cycle or master's degree in Hydraulic Engineering, Transport and the Territory

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 Energy, Systems, Territory, and Construction Engineering**

Admission Examination Sector: **08/E2 “Architectural restoration and history”**

Disciplinary Scientific Sector: **ICAR/18 “Architectural history”**

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:**

Historical-morphologic analysis of the architecture heritage in the historical centers interested from seismic risk (exemplified on Garfagnana). Cognitive surveying of the architectonic assets in disuse in Italy, threatens to you in its physical integrity and its cultural identity; critical reading reported to the state puts into effect them of conservation, to the destinations of use, the regimen of protection, the consistency, the tipologic, architectonic and constructive characters, the transformations of the territory and the landscape

### **Scientific productivity:**

The expected scientific activity involves participation to research projects, writing of scientific papers to be published either in domestic and international frameworks, attendance to congresses

### **Head office:**

Department of Energy, Systems, Territory, and Construction Engineering

### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching and service to students in the Course of Building Engineering Architecture, Architectural History

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\_18

### 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:**

Theoretical and applied research relative to automation and management of autonomous, cooperative systems and vehicles, including marine environment.

#### **Scientific productivity:**

Design and experimental validation of algorithms and technologies relative to automation and management of autonomous, cooperative systems and vehicles, including marine environment. Consistent publication of scientific results in high level international journals, and proceedings of international conferences. Active participation to national and international research projects.

#### **Head office:**

Department of Information Engineering

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching, supplementary teaching, student services, and relative requirements in laboratory support. The researcher will be required to carry out the teaching activities within the framework of the Department's teaching plan in the specific sector SSD ING-INF/04.

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 Information Engineering

Admission Examination Sector **09/H1 “Information processing systems”**

Disciplinary Scientific Sector: **ING-INF/05 “Information processing 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 activity in qualified areas of computing system engineering, such as design and analysis of systems and networks, software engineering, network security, computational intelligence, pervasive computing

#### **Scientific productivity:**

The objectives of the scientific productivity will be assigned to the junior researcher in the context of her/his research activity. They will mainly consist in publishing papers in top level international journals, and conferences, contributing to national and international research projects, and serving in the organizing committee of international conferences/workshops.

#### **Head office:**

Department of Information Engineering

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching, supplementary teaching, student services, and relative requirements in laboratory support. The researcher will be required to carry out the teaching activities within the framework of the Department's teaching plan in SSD ING-INF/05 scientific disciplinary sector

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\_20**

**Department of Mathematics**

Admission Examination Sector: **01/A4 “Mathematical physics”**

Disciplinary Scientific Sector: **MAT/07 “Mathematical 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:**

Research in contemporary mathematical physics, and in particular in mechanics of discrete systems

**Scientific productivity:**

Publications, talks in universities and research centers, and in national and international congresses

**Head office:**

Department of Mathematics

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**Specific didactic activity of the contract:**

Teaching in basic mathematical courses offered in the University, and in basic and advanced courses in mathematical physics

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

**Candidates may present any number of scientific publications**

## Selection code A\_21

### Department of Mathematics

Admission Examination Sector: **01/A2 Geometry and algebra**

Disciplinary Scientific Sector: -----

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 in contemporary algebra and geometry

### Scientific productivity:

Publications, talks in universities and research centers, and in national and international congresses

### Head office:

Department of Mathematics

### Didactic commitment:

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

### Specific didactic activity of the contract:

Teaching in basic mathematical courses offered in the University, and in advanced courses in algebra and geometry

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

Candidates may present any number of **scientific publications**

**Selection code A\_22**

**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:**

Vascular and autonomic nervous system alterations in the pathophysiology of arterial hypertension and cardiovascular disease

**Scientific productivity:**

Participation and promotion of national and international research projects, manuscripts published in international scientific journals, dissemination of research results in national and international meetings.

**Head office:**

Department of Clinical and Experimental Medicine

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**Specific didactic activity of the contract:**

Teaching of Internal Medicine (SSD MED/09) in the Laurea Degree Courses and in the Specialistic Laurea Degree Courses of the medical field

**Activities of assistance**

Azienda Ospedaliero-Universitaria Pisana

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 Clinical and Experimental Medicine**

Admission Examination Sector: **06/D2 “Endocrinology, nephrology, food and wellness sciences”**

Disciplinary Scientific Sector: **MED/13 “Endocrinology”**

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 aim of the research will be to examine the signals, which are activated by glycosuria and lead to the increase of plasma glucagon concentration and hepatic glucose production during SGLT-2 inhibition in patients with type 2 diabetes. Also, the research will examine whether the combination of GLP-1 receptor agonist plus an SGLT-2 inhibitor can block the compensatory increase in hepatic glucose production in response to glycosuria and cause an additive or even synergistic improvement in glucose metabolism. A stable glucose isotope techniques associated to in vivo imaging (PET and/or fMRI) will be used in combination of euglycemic and/or hyperglycemic clamp techniques.

### **Scientific productivity:**

The scientific production will include manuscripts publications on peer-review journals at high impact factor, data presentations on national and international meetings and grant proposals submission in order to support the research activity in this area.

### **Head office:**

Department of Clinical and Experimental Medicine Sezione di Diabetologia e Metabolismo – UOC Malattie Metaboliche e Diabetologia –Ospedale Santa Chiara

### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Ex-cathedra teaching, tutoring of students working on their dissertation for the MD degree and post-graduate specialization course in the field of diabetes and metabolic diseases

### **Activities of assistance**

Azienda Ospedaliero-Universitaria Pisana - UOC Malattie Metaboliche e Diabetologia

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/D3 Blood diseases, oncology and rheumatology**

Disciplinary Scientific Sector: **MED/16 Rheumatology”**

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 clinical and epidemiological studies in systemic autoimmune diseases with particular reference to systemic lupus erythematosus and undifferentiated connective tissue diseases.

Scientific productivity:

-Development and publication of guidelines to improve quality of care in systemic autoimmune diseases, with specific interest to systemic lupus erythematosus

-Definition and publication of cost-benefits in the use of new therapies in systemic lupus erythematosus

-Development and publication of patient reported outcomes for use in clinical practice and clinical trials in systemic lupus erythematosus and definition of the burden of disease on patients and its impact on therapeutic and monitoring approaches.

-Epidemiological analysis on gender issues and family planning in rheumatic diseases and publication on scientific journals as well as communication with patients and payers.

### **Head office:**

Department of Clinical and Experimental Medicine

### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree , degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Rheumatology and tutoring activity for Medical students Tutoring in national and international meetings

### **Activities of assistance**

Azienda Ospedaliero-Universitaria Pisana - UOC Reumatologia

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\_25**

**Department of Clinical and Experimental Medicine**

Admission Examination Sector: **06/D4 "Skin, contagious and gastrointestinal diseases"**

Disciplinary Scientific Sector: **MED/35 "Dermatological and venerological 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 inflammatory diseases and pathogenetic role of cytokines involved

**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 - U.O.C. Dermatologia e Venereologia Universitaria

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**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

**Activities of assistance**

Azienda Ospedaliero-Universitaria

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 Clinical and Experimental Medicine

Admission Examination Sector: **06/H1 “Obstetrics and gynaecology”**

Disciplinary Scientific Sector: **MED/40 “Obstetrics and gynaecology”**

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 Investigator (Type A) will develop laboratory research, animal research and clinical research in the area of the endocrine and neuroendocrine correlates of pregnancy and female's ageing, with a focus on the complex relationships between obstetric events, endocrine changes, ageing and degenerative disorders in women. Such research activities will involve clinical activities in the field of gynecology and obstetrics.

Scientific productivity:

- 1) Scientific publications on monographies, electronic publications, innovative media, and publications on national and international journals
- 2) Participation and presentation of scientific results at national and international meetings
- 3) Participation and organization of scientific and educational events relevant to the SSD MED/40
- 4) Eventual Patent registrations

#### **Head office:**

Department of Clinical and Experimental Medicine

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Didactic activity within the SSD MED/40 in the Degrees in Medicine and Surgery, in Midwifery and in the Residency Degree in Obstetrics and Gynecology. Tutoring and support activity for students.

#### **Activities of assistance**

Azienda Ospedaliero-Universitaria

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\_27

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

Admission Examination Sector: **06/F2 “Eye diseases”**

Disciplinary Scientific Sector: **MED/30 “Eye 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:**

Ophthalmology: development and evaluation of new technologies and treatments in ophthalmology, with particular regard to Glaucoma, Cornea, Cataract and Strabismus. Management of sponsored and independent clinical trials

#### **Scientific productivity:**

Publication on peer-reviewed journal, publications such as books or book chapters, participation in sponsored clinical trials, participation in conferences and meetings as a speaker.

#### **Head office:**

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

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching activity in the sector MED / 30 courses in university. Lectures to doctors in specialist training, tutoring, organizing regional and national meetings.

#### **Activities of assistance**

Azienda Ospedaliero-Universitaria - U.O. Oculistica Universitaria

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\_28**

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

Admission Examination Sector: **06/D1 Cardiovascular and respiratory diseases”**

Disciplinary Scientific Sector: **MED/11 “Cardiovascular 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:**

Heart Failure

**Scientific productivity:**

Design and implementation of research protocols on Heart Failure, active contribution to international meetings, publication of results on peer-reviewed journals, contribute to device design for HF monitoring

**Head office:**

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

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**Specific didactic activity of the contract:**

Workshops, Case-reports, Journal clubs, and lectures to students and fellows

**Activities of assistance**

Azienda Ospedaliero-Universitaria (Participation in welfare activities of UO The University of Cardiology with particular responsibilities in the activities dedicated to outpatient heart failure)

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/B1 “Agronomy and field, vegetable, ornamental cropping systems**

Disciplinary Scientific Sector **AGR/02 “Agronomy and field crops”**

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 develop original research in the sector of Agronomy and Crop production (AGR/02); as a consequence the candidate will have to focus his/her research activities on the agro-ecosystem features in relation to the management system applied. In this context, specific studies on crop rotation, intercropping, fertilization, soil tillage and irrigation will be carried out in order to evaluate the influence of these techniques on crop biology and ecophysiology, soil fertility, weed flora dynamic, biodiversity and the quantitative and qualitative aspects of the productivity of the main arable crops cultivated for food, feed and non-food purposes

#### **Scientific productivity:**

To publish in national and international indexed journals (ISI, Scopus); to attend national and international meetings for the dissemination of the research results. Scientific deliverables will have to be related to the reference sector AGR/02

#### **Head office:**

Department of Agricultural, Food and Agro-Environmental Sciences

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

**Complementary didactic work oriented to students involved in Agronomy and Crop cultivation (AGR/02);** a specific activity is envisaged within the courses of Agronomy and/or Crop cultivation planned in ‘Agricultural Science’ and ‘Viticulture and Enology’) bachelor degrees and in ‘Agro-industrial productions and Agro ecosystem management’ advance degree

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/F1 Food science and technology**

Disciplinary Scientific Sector: **AGR/15 Food science and technology**

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 be able to develop original research in the sector AGR/15 (Food Science and Technology) and he will have to deal with unit operations and processes related to the production and the storage of foods to promote innovation and/or to improve their management. In particular, the research activity will be devoted to the: kinetic evolution of fermentation processes; technological aspects related to wine making processes to avoid or to reduce the addition of additives able to cause allergic reactions to the consumer; innovative extraction technologies to produce extra-virgin olive oils characterized by an high quality level; individuation of the best working conditions to increase the storage time of sourdoughs utilized in the bread production

#### **Scientific productivity:**

Publications in national and international indexed journals (ISI, Scopus) and attending to national and international meeting for dissemination of the research results. Scientific deliverables will have to be related to the reference sector AGR/15.

#### **Head office:**

Department of Agricultural, Food and Agro-Environmental Sciences

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Didactic work within the courses of Science and food Technology (AGR/15) and involved in 'Viticulture and Enology' bachelor degree and in 'Biosecurity and food quality' and 'Agro-industrial productions and Agroecosystem management' advance degrees

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:**

Crystal-chemistry of minerals, systematic mineralogy

#### **Scientific productivity:**

Publication of scientific papers on peer-reviewed International journals; participation to scientific meetings; description of new mineral species

#### **Head office:**

Department of Geosciences

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

A teaching in the first level course in Geological Sciences and support teaching activities in the other mineralogical courses of the first level courses in Geological Sciences and Natural and Environmental Sciences and the second level course in Geological Sciences and Technologies

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 Political Sciences

Admission Examination Sector: **13/A1 Economics**

Disciplinary Scientific Sector: **SECS-P/01 Economics**

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:**

Economics, Economic policy, Economics of the firm and Economics of innovative activity

#### **Scientific productivity:**

Publication of articles in international academic journals. Participation in national or international research groups. Presentation of papers in national and international conferences

#### **Head office:**

Department of Political Sciences

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Didactic to the courses of Economics and Economic Policy. Lectures regarding the following subjects: Microeconomics, Macroeconomics, International economics, Monetary and fiscal policies

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 Political Sciences**

Admission Examination Sector: **14/C1 General and political sociology, sociology of law**

Disciplinary Scientific Sector: **SPS/07 General sociology**

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 analysis and empirical dimensions of social inclusion processes and actor's construction in the frame of knowledge society

**Scientific productivity:**

Publication of articles in national and international scientific journals; participation in national and international research groups, presentation of papers in national and international conferences

**Head office:**

Department: Political Sciences

**Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

**Specific didactic activity of the contract:**

Teaching in the following courses: general sociology, history of sociology, methodology of social research, social works

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\_34

### Department of Veterinary Sciences

Admission Examination Sector: **07/H1 Veterinary anatomy and physiology**

Disciplinary Scientific Sector: **VET/02 Veterinary physiology**

Nr. of position available: **1**

#### **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:**

Ethology and welfare of companion animals

#### **Scientific productivity:**

Publications and papers of indexed scientific journals (ISI, Scopus) and attendance to National and International scientific conferences for the dissemination of the results of research

#### **Head office:**

Department of Veterinary Sciences

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

Teaching activities related to the Academic Discipline VET/02, according to the requirements of the courses of study activated at the Department of Veterinary Sciences

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\_35

### Department of Veterinary Sciences

Admission Examination Sector: **07/G1 Animal science and technology**

Disciplinary Scientific Sector: **AGR/18 Animal nutrition and feeding**

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:**

Animal Nutrition: Nutritive in vivo and in vitro (gas production and artificial rumen) evaluation of individual feeds and rations for ruminant

#### **Scientific productivity:**

Publication of peer-reviewed papers in national and international journals

#### **Head office:**

Department of Veterinary Sciences

#### **Didactic commitment:**

The total annual commitment for the conduct of didactic activities, integrative teaching and service to students is 350 hours for the regime of full-time. The researcher with junior contract is required to perform 60 hours waived up to 10% more or less, of classroom teaching per academic year, as a task assigned educational institution within the teaching program of degree courses, single-cycle degree, degree, specialization courses and PhD. Only in order to avoid excessive fragmentation of the teaching modules / lessons can provide an additional exemption of 10% more, up to a maximum of 72 hours total. The researcher with junior contract may not be awarded additional teaching assignments free of charge or paid in the context of the above courses

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

A basic course and other supplementary educational activities in Animal Nutrition and Feeding, Feed Industry and Dietetic in graduate and master degrees, provided by the Department of Veterinary Sciences (according to the annual teaching plan)

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

Candidates may present a maximum number of **12 scientific publications**

Example application form

Annex B

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

**Selection code RIC2015a1**

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. a of the Law 240/2010,

At the Department of \_\_\_\_\_

Sector \_\_\_\_\_

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 \_\_\_\_\_
3. to be in possession of the following citizenship: \_\_\_\_\_
4. to enjoy the political and civil rights of his/her country of origin : \_\_\_\_\_

5. Qualifications:

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

PhD or equivalent qualification \_\_\_\_\_,  
obtained at \_\_\_\_\_ the date \_\_\_\_\_ ;

or

Medical residency (for the sectors concerned) \_\_\_\_\_  
obtained at \_\_\_\_\_ the date \_\_\_\_\_ ;

or

Teaching degree or equivalent, \_\_\_\_\_  
obtained at University \_\_\_\_\_ the date \_\_\_\_\_ ,  
period \_\_\_\_\_, together with a professional scientific cv suitable for research activity;

6. to not be in possession of a criminal record or convictions , indicating details of the sentences and criminal procedures pending.
7. to have the physical fitness necessary for the position
8. only for male Italian citizens: position regarding military obligations.
9. 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.
10. To not presently hold or not have previously held the status of full or associate professor or of permanent university research fellow
11. 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
12. To be aware that he/she cannot proceed to the stipulation of the contract if he/she as related by birth or has affinity (up to 4<sup>th</sup> grade) or marriage with a professor 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.
13. To authorise the University of Pisa with processing of personal data under art.13 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.**