



UNIVERSITÀ DEGLI STUDI DELL'AQUILA

AMMINISTRAZIONE CENTRALE
AREA GESTIONE DELLE RISORSE UMANE
Settore Concorsi e Selezioni

D. R. Rep. n. 409 - 2019 - Prot. n. 20309 del 16.05.2019 Allegati: 17

Anno 2019 - tit. VII cl. 1 fasc. 25

THE RECTOR

Having regard to Italian Law 168, 9 May 1989 establishing the Ministry of Higher Education, Scientific Research and Technology;

Having regard to Italian Law n. 240, 30 December 2010, “Norms regarding the organization of Universities, academic personnel and recruitment, as well as mandating the Government to provide incentives for quality and efficiency of the University system”;

Having regard to Italian Law n. 241, 7 August 1990, as amended and supplemented, concerning administrative procedures and the right to access administrative documents;

Having regard to Law n. 183, 12 November 2011 (*Legge di Stabilità 2012*) and in particular Art. 15 regarding certifications and declarations;

Having regard to Italian Law n. 106, 15 April, 2004 and Presidential Decree n. 252, 3 May 2006, containing norms relating to depositing documents of cultural interest for public use;

Having regard to Law n. 232, 11 December 2016 (*Legge di Stabilità 2017*);

Having regard to Law n. 205, 27 December 2017 (*Legge di Stabilità 2018*);

Having regard to Law n. 145, 30 December 2018 concerning the “Estimated budget for the financial year 2019 and the multiannual budget for the three-year period 2019-2021”;

Having regard to Leg. Decree n. 165, 30 March 2001, as amended and supplemented, in particular Articles 35, 35bis, 36, 37, 38 and 57;

Having regard to Presidential Decree 445, 28 December 2000, containing regulations concerning administrative documentation (*Testo Unico*);

Having regard to Leg. Decree 196, 30 June 2003 and Leg. Decree n. 101, 10 August 2018, implementing the UE Regulation n. 679/2016 regarding personal data protection;

Having regard to Leg. Decree n. 82/2005 “Digital Administration Code”, as amended and supplemented;

Having regard to Leg. Decree n. 198, 11 April 2006, “Equal Opportunities for Men and Women”;

Having regard to Leg. Decree n. 49, 29 March 2012 for disciplining the programming, monitoring and assessment of budget management and recruiting policies adopted by universities;

Having regard to Leg. Decree n. 5, 09 February 2012 converted into Law n. 35, 04 April 2012, “Urgent Dispositions as to Simplification and Development”;

Having regard to Presidential Decree n. 62, 16 April 2013, “Civil Servants’ Behaviour Code”

Having regard to Leg. Decree n. 33, 14 March 2013, “Restructuring the sphere of advertising, transparency and dissemination of information by Public Administrations”, as amended and supplemented;



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Having regard to Ministerial Decree n. 243, 25 May 2011, concerning criteria and parameters for preliminary assessment of public selection candidates, recipients of contracts as indicated in Art. 24, paragraph 2, letter c) of Italian Law n. 240, 30 December 2010;

Having regard to Ministerial Decree n. 159, 12 June 2012, on the determination of competition areas, grouped into competition macro-areas;

Having regard to Ministerial Decree n. 855, 30 October 2015, redetermining macro-sectors and competition sectors;

Having regard to the Statute of the University of L'Aquila, established by the Rector's Decree n. 36-2017, 20 February 2017, entered into force as of 9 March, 2017;

Having regard to the University of L'Aquila's Code of Ethics established by the Rector's Decree n. 1154-2011, 29 July 2011;

Having regard to the University of L'Aquila's Code of Behaviour established by the Rector's Decree n. 210-2014, 3 March 2014;

Having regard to the University's Regulations as to recruitment of fixed-term university Researchers established by Rector's Decree n. 621-2012, 05 April 2012 as modified by Rector's Decree n. 860-2013, 05 June 2013, by Rector's Decree n. 1490-2015, 29 October 2015 and lastly by Rector's Decree n. 225-2019, 1 April 2019;

Having regard to the University's Regulations as to assignation of teaching duties to professors and researchers established by Rector's Decree n. 915-2017, 19 December 2017;

Having regard to the resolutions by the University Academic Bodies concerning staff planning and distribution of resources for recruiting First and Second Tier Professors and Researchers;

Having regard to Ministerial Decree n. 204/2019 dated March 8th, 2019 relating to the *2019 Special Plan for recruiting Researchers* under Art. 24, Paragraph 3, Letter b) of Law 240/2010 and in particular Table 1 – “Assignation positions and resources Researchers type b)” by which the University has been assigned a total number of 17 RTD type b);

Having regard to Rector's note Prot. N. 13806 dated March 28th, 2019 by which the Departments have been assigned the resources relating to the 2019 Special Plan for Researchers;

Having regard to the resolution of the **Department of Biotechnological and Applied Clinical Sciences** dated 10th April, 2019 - forwarded with note n. 645 on April 15th, 2019 and received the same date with Prot. n. 16342 – concerning the request of a selection procedure to recruit **2** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 05/D1 – Physiology - Academic Discipline BIO/09 – Physiology;
- n. 1 position Academic Recruitment Field 06/C1 – General Surgery - Academic Discipline MED/18 – General Surgery;



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Having regard to the resolution of the **Department of Physical and Chemical Sciences** dated 15th April, 2019 - forwarded with note n. 567 on April 16th, 2019 and received the same date with Prot. n. 16426 - concerning the request of a selection procedure to recruit **2** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 03/A1 – Analytical Chemistry - Academic Discipline CHIM/01 – Analytical Chemistry;
- n. 1 position Academic Recruitment Field 02/A1 – Experimental Physics of Fundamental Interactions - Academic Discipline FIS/01 – Experimental Physics;

Having regard to the resolution of the **Department of Life, Health and Environmental Sciences** dated 16th April, 2019 - forwarded with notes n. 1898, 1899 and 1900 on April 18th 2019 and received the same date with Prot. n. 16835, 16839 and 16841 - concerning the request of a selection procedure to recruit **3** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 06/A2 – Experimental Medicine, Pathophysiology and Clinical Pathology - Academic Discipline MED/05 – Clinical Pathology;
- n. 1 position Academic Recruitment Field 05/F1 – Experimental Biology - Academic Discipline BIO/13 – Experimental Biology;
- n. 1 position Academic Recruitment Field 11/E4 – Clinical and Dynamic Psychology - Academic Discipline M-PSI/08 – Clinical Psychology;

Having regard to the resolution of the **Department of Human Studies** dated 17th April, 2019 - forwarded with note n. 1272 on April 18th, 2019 and received the same date with Prot. n. 16902 - concerning the request of a selection procedure to recruit **2** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 11/A1 – Medieval History - Academic Discipline M-STO/01 – Medieval History;
- n. 1 position Academic Recruitment Field 10/A1 – Archaeology - Academic Discipline L-ANT/08 – Christian and Medieval Archaeology;

Having regard to the resolution of the **Department of Industrial and Information Engineering and Economics** dated 17th April, 2019 - forwarded with note n. 1528 on April 19th, 2019 and received the same date with Prot. n. 17061 - concerning the request of a selection procedure to recruit **3** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 09/E3 – Electronics - Academic Discipline ING-INF/01 – Electronic Engineering;
- n. 1 position Academic Recruitment Field 09/C1 – Fluid Machinery, Energy Systems and Power Generation - Academic Discipline ING-IND/09 – Energy Systems and Power Generation;



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- n. 1 position Academic Recruitment Field 09/D1 – Materials Science and Technology - Academic Discipline ING-IND/22 – Materials Science and Technology;

Having regard to the resolution of the **Department of Information Engineering, Computer Science and Mathematics** dated 17th April, 2019 - forwarded with notes n. 1587, 1588 and 1589 on April 19th, 2019 and received the same date with Prot. n. 17121, 17123 and 17124 - concerning the request of a selection procedure to recruit **3** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 01/A2 – Geometry and Algebra - Academic Discipline MAT/02 – Algebra;
- n. 1 position Academic Recruitment Field 01/A2 - Geometry and Algebra - Academic Discipline MAT/03 - Geometry;
- n. 1 position Academic Recruitment Field 01/B1 – Informatics -Academic Discipline INF/01 - Informatics;

Having regard to the resolution of the **Department of Civil, Construction-Architectural and Environmental Engineering** dated April 17th, 2019 - forwarded with note n. 1081 on April 18th, 2019 and received the same date with Prot. n. 16956 - concerning the request of a selection procedure to recruit **2** fixed-term, full-time Researchers in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 for the following:

- n. 1 position Academic Recruitment Field 08/F1 – Urban and Territorial Planning and Design - Academic Discipline ICAR/20 – Urban and Regional Planning;
- n. 1 position Academic Recruitment Field 08/B2 – Structural Mechanics - Academic Discipline ICAR/08 – Structural Mechanics;

Having regard to the resolution n. 122/2019 issued by the Board of Directors on April 30th, 2019, after obtaining assent by the Senate, authorizing the above mentioned public selection procedures as requested by the Departments, for which the expenses will be covered by the resources of the *2019 Special Plan for recruiting Researchers* as per Ministerial Decree n. 204/2019 in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010;

DECREES THE FOLLOWING:

Art. 1 – Public Selection, positions available and objective of the contract

- 1) A public selection procedure is being held at the University of L'Aquila to recruit **n. 17 fixed-term (3 year) full-time Researchers** in compliance with Art. 24, Par. 3, Letter b) of Italian Law 240/2010 and related University Regulations, specified as follows:

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni - e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Dorian Scarsella – tel: 0862432089 – FAX 0862431295

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Tommasa Ruscitti (operatori incaricati) – tel: 0862 432744 – 2097

Università degli Studi dell'Aquila – Palazzo Camponeschi – Piazza Santa Margherita 2 – 67100 L'Aquila – www.univaq.it – protocollo@pec.univaq.it



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	Department	Academic Recruitment Field	Academic Discipline
1	Department of Biotechnological and Applied Clinical Sciences	05/D1 – Physiology	BIO/09 – Physiology
2	Department of Biotechnological and Applied Clinical Sciences	06/C1 – General Surgery	MED/18 – General Surgery
3	Department of Physical and Chemical Sciences	03/A1 – Analytical Chemistry	CHIM/01 – Analytical Chemistry
4	Department of Physical and Chemical Sciences	02/A1 – Experimental Physics of Fundamental Interactions	FIS/01 – Experimental Physics
5	Department of Life, Health and Environmental Sciences	06/A2 – Experimental Medicine, Pathophysiology and Clinical Pathology	MED/05 – Clinical Pathology
6	Department of Life, Health and Environmental Sciences	05/F1 – Experimental Biology	BIO/13 – Experimental Biology
7	Department of Life, Health and Environmental Sciences	11/E4 – Clinical and Dynamic Psychology	M-PSI/08 – Clinical and Dynamic Psychology
8	Department of Human Studies	11/A1 – Medieval History	L-ANT/08 – Medieval History
9	Department of Human Studies	10/A1 – Archaeology	L-ANT/08 – Christian and Medieval Archaeology
10	Department of Industrial and Information Engineering and Economics	09/E3 – Electronics	ING-INF/01 – Electronic Engineering
11	Department of Industrial and Information Engineering and Economics	09/C1 – Fluid Machinery, Energy Systems and Power Generation	ING-IND/09 – Energy Systems and Power Generation
12	Department of Industrial and Information Engineering and Economics	09/D1 – Materials Science and Technology	ING-IND/22 – Materials Science and Technology
13	Department of Information Engineering, Computer Science and Mathematics	01/A2 – Geometry and Algebra	MAT/02 – Algebra
14	Department of Information Engineering, Computer Science and Mathematics	01/A2 – Geometry and Algebra	MAT/03 - Geometry
15	Department of Information Engineering, Computer Science and Mathematics	01/B1 – Informatics	INF/01 – Informatics
16	Department of Civil, Construction-Architectural and Environmental Engineering	08/F1 – Urban and Territorial Planning and Design	ICAR/20 – Urban and Regional Planning
17	Department of Civil, Construction-Architectural and Environmental Engineering	08/B2 – Structural Mechanics	ICAR/08 – Structural Mechanics

2) Attachments 1 through 17 form integral part of this selection announcement, indicating according to the Department's resolutions, research, teaching, integrated activities and services to the students object of the contract, foreign language requisite, maximum number of publications and, with due regard for criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, further assessment criteria of the candidates. The candidate's Ph.D. thesis, in

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Responsabile: Dott.ssa Dariana Scarsella – tel: 0862432089 – FAX 0862431295

Per eventuali informazioni rivolgersi a: Giuseppina Persia – Tommasa Ruscitti (operatori incaricati) – tel: 0862 432744 – 2097

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compliance with Ministerial Decree 243/2011, is to be considered a publication and included among the publications submitted.

- 3) For the description of the subjects of the Academic Recruitment Fields indicated in this selection announcement reference has to be made to Ministerial Decree n. 855 October 30th, 2015.

Art. 2 – Admission Requisites and Causes for Exclusion

1. The selection procedure is open to Italian, EU and non EU citizens holding an Italian residency permit as per Leg. Decree 165, March 30, 2001, Art. 38 and possessing a Ph.D., or an equivalent degree obtained in Italy or abroad, relating to the academic discipline of the position described, or a medical Specialization Diploma where required.

Candidates must also have **at least one of the following qualifications:**

- having obtained National Scientific Qualification, in compliance with Art. 16 of Italian Law no. 240/2010, 30 December 2010, for the functions of First or Second Tier Professor;
- having obtained a medical Specialization Diploma in the Academic Discipline or similar discipline where required;
- having obtained contracts defined in Art. 24, comma 3, letter a) Law n. 240, December 30, 2010;
- having obtained research grants for at least 3 years (not necessarily consecutively) in compliance with Art. 51, comma 6, Law n. 449/1997 as amended and supplemented or in compliance with Art. 22, Law n. 240/2010 **OR** post-doctorate grants in compliance with Art. 4, Law n. 398/1989, **OR** analogous contracts, grants or scholarships in foreign universities;
- have been assigned, for at least 3 years, contracts stipulated in compliance with Art. 1, comma 14, Law n. 230/2005;

With reference to admission requisites it is specified that:

- If obtained abroad, the Ph.D. must be accompanied by the official declaration of equivalency issued by the relevant authorities of the foreign country; if the candidate is not in possess of such a documentation within the deadline for application submission, to be submitted anyhow within the date of official appointment, he/she shall submit a copy of the application for obtaining such a declaration;
- Contracts, grants or post-doctorate grants must be accompanied by a detailed description of their typology, period and appointing bodies, in particular if concerning activities carried out abroad, in order to assess the qualification suitability.

Admission requisites must be held by applicants within the deadline for application submission.

2. The following categories may not participate in this public selection procedure:



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- a) First or second tier university professors or Researchers already holding an open-ended contract or who have held such positions in the past either, even if terminated;
 - b) Individuals who have already held fixed-term research contracts as provided in Arts. 22 and 24 of Italian Law 240/2010 at the University of L'Aquila or at other Italian Universities, whether public, private or online, or bodies under paragraph 1 of Art. 22 of Italian Law 240/2010 for a period, in addition to the intended duration of the competition contract, exceeding a total of 12 years, even if not continuing. Maternity or sick leave as provided in the laws in force shall not be included in the duration of the aforementioned employment contracts;
 - c) Individuals not entitled to exercise civil and political rights;
 - d) Individuals who have been dismissed or relieved from office with a Public Administration for consistently poor performance or have been dismissed from a civil service job as provided in Art. 127, Letter d) of Presidential Decree 10/1/1957, No. 3.
 - e) Individuals who are married, or under condition of civil partnership or common-law marriage pursuant to Italian Law n. 76, 20 May 2016, or related, up to the fourth degree, to professors belonging to the recruiting Department including the Rector, General Director, any member of the Board of Trustees.
3. The contract outlined for this selection procedure (Art. 24, paragraph 3, letter b, Law 240/2010) cannot be accumulated with other research grants as per Italian Law 449/1997 Art. 51 and Italian Law 240/2010 Art. 22.
 4. Candidates are granted provisional admission, as the University Administration reserves the right to review applications and to exclude for just cause at any time until the end of the procedure. In this case a decree shall be issued by the Rector and the excluded candidate shall be notified by the Administration.

Art. 3 - Application Submission Procedure and Deadline

1. To participate in the selection, candidates must submit their application within **30 days from the day following publication of the announcement in the Gazzetta Ufficiale della Repubblica Italiana – 4° Serie speciale – Concorsi ed Esami**. The publication of the selection announcement is also posted in the University, Ministry and EU websites.
2. If the deadline should fall on a holiday, the following weekday shall be considered the deadline for submission.
3. The application for the selection procedure as well as qualifications, documents and publications are to be submitted telematically, on pain of exclusion, using the computer application available at <https://pica.cineca.it/univaq>. The computer application necessarily requires that the candidate has an e-mail account in order to register. Candidates must enter all data required to fill in application and attach all documents in .pdf format. The application form must be filled in all its parts according to the instructions given by the telematic procedure. **No other ways of presenting applications or documents for the**



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procedure are allowed, except for the case described in Art. 5, paragraph 2 of this announcement.

Within the deadline for application the system allows to save a draft of the application. The date of telematic submission of the application shall be certified by a receipt sent automatically by the system. **After the deadline for submission the system shall no longer allow to access and send the electronic form.**

An identification number shall be assigned to each application which, along with the selection procedure code indicated in the computer application, shall be quoted in any further notice.

For any technical problems candidates may contact technical support at: univaq@cineca.it.

The application submission shall be perfected and concluded in the following ways:

- **By digital signature** using smart card, USB token or remote signature which allow the owner to sign general documents by means of a signature software or a Remote Signature web portal made available by the Auditor. Those who have a Digital Signature smart card or USB token shall verify that they are compatible with the Digital Signature system integrated in the system server. If so, the owner may sign the application directly in the system server (e.g. ConFirma);
- **Those who do not have compatible digital signature devices and the Remote Digital Signature Owners** who may access a web portal for signing general documents shall save in their own PC the .pdf file generated by the system and, without modifying it, digitally sign it in CADES format. A .p7m file will be generated, which shall be uploaded again to the system. Any editing to the file before signing with the Digital Signature shall interfere with the automatic check of correspondence between the content of such a document and the original, and this will bring to the application exclusion;
- **If none of the above-mentioned options can be used** candidates shall save in their own PC the .pdf file generated by the system and, without modifying it, print and sign it with full original signature in the last page of the printed document. A scanned .pdf copy of such a document shall be produced and the file thus obtained shall be uploaded to the system.

5. All applications are subject to verification, in any case the following shall be cause for exclusion:

- omission of signature, in accordance with laws and regulations;
- not including a copy of a valid identification document.

Applications deemed as lacking the required elements specified in the selection announcement or not in compliance with what specified in this article shall be excluded by Rector's Decree and candidates shall be notified of the said exclusion by registered post with notice of receipt or by certified e-mail (PEC).



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6. In his/her application the candidate is required to declare the following:
- 1) Surname and name;
 - 2) Date and place of birth;
 - 3) Fiscal code (Italian and foreign citizens to which a fiscal code (codice fiscale) has been issued by competent authorities);
 - 4) Residency;
 - 5) Citizenship;
 - 6) The selection procedure they want to participate in;
 - 7) That he/she has the following requisites for participation as indicated in Art. 2 of this announcement;
 - 8) That he/she is in possession of his/her civil and political rights
 - a) **Italian candidates** shall also state on their own account:
 - Which electoral college they are registered in (municipality) and any reasons for lack of registration or deletion;
 - Their current situation with regard to military service;
 - b) **Foreign candidates** shall also state on their own account:
 - That they are in possession of their civil and political rights in their country or, supply the reasons for lack thereof;
 - 9) That they have not been convicted of a crime nor are they aware of being subject to criminal proceedings or of any pending criminal proceedings against them;
 - 10) That they have not been dismissed or relieved from office with a Public Administration for consistently poor performance, or that they have not been dismissed from a civil service job as provided in Art. 127, Letter d) of D.P.R. January 10 1957, n. 3;
 - 11) That they are not married, or under condition of civil partnership or common-law marriage pursuant to Italian Law n. 76, 20 May 2016, or related, up to the fourth degree, to professors belonging to the recruiting Department including the Rector, General Director, any member of the Board of Trustees;
 - 12) That they do not have a position as first or second tier university professors or as open-ended contract Researchers, and have not held such positions in the past either, even if terminated;
 - 13) That they have not already held fixed-term research contracts as provided in Arts. 22 and 24 of Italian Law 240/10 at the University of L'Aquila or at other Italian Universities, whether public, private or online, bodies under Par. 1 of Art. 22 of Italian law 240/10 for a period, in addition to the intended duration of the competition contract, exceeding a total of 12 years, even if not continuing.
 - 14) **if not an Italian citizen**, that he/she has an adequate knowledge of the Italian language;
 - 15) that he/she is aware that the Examining Board shall be nominated by Rector's Decree published on the University's Albo Ufficiale and posted on the relevant page of the university website www.univaq.it;
 - 16) that he/she is aware that a list of candidates admitted to the selection procedure is published on the University's Albo Ufficiale and posted on the



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- relevant page of the University website www.univaq.it, in all effects representing official notice to the candidates participating;
- 17) that he/she is aware that the assessment procedure adopted by the Examining Board in the first session and the interview dates are published for at least seven days on the University's Albo Ufficiale and posted on the relevant page of the university website www.univaq.it, in all effects representing official notice to the candidates participating;
 - 18) that he/she is aware that all documents related to the selection procedure together with decree of approval are published on the University's Albo Ufficiale and posted on the relevant page of the university website www.univaq.it, in all effects representing official notice to the candidates participating.
7. In their applications, candidates must include their selected mailing address for notifications, a telephone number, a mobile number and an e-mail address. Any changes in the above information must immediately be notified to the Settore Concorsi e Selezioni – Palazzo Camponeschi – Piazza Santa Margherita, 2 - 67100 L'Aquila – 67100 L'Aquila, e-mail: conc@strutture.univaq.it.
In compliance with Law 104/1992, candidates with disabilities must apply for any necessary aid.
 8. All declarations made by candidates are to be considered in compliance with Presidential Decree n. 445, 28 December 2000 as amended and supplemented. **Non-EU citizens** with a regular residence permit may use the Personal Declarations of Certification in accordance with the procedure laid down for EU citizens whenever it is necessary to provide proof of status, facts or personal qualities certifiable or confirmable by Italian public agencies or if the production of self-executed certificates takes place under international agreements between Italy and the applicant's country of origin.
 9. The Administration shall carry out a verification process on the contents of declarations, any false declarations shall lead to the candidate losing any benefits obtained thanks to said declarations and are subject to related laws.
 10. The University Administration declines all responsibility for un-received notifications due to the candidate's failure in providing a correct address or not notifying the University in due time of any change in the address given in the application or for any postal or telegraphic services, misdeliveries, or due to third parties, unforeseeable events or force majeure.
 11. **Candidates shall not be able to modify their applications after the indicated deadline; applications deemed as lacking the required elements specified in Art. 2 of the selection announcement, or under one of the causes of exclusion specified in Paragraph 5. of this article, or the declarations specified in Paragraph 6. of this article, shall be excluded by Rector's Decree and candidates shall be notified of the said exclusion.**

Art. 4 – Required Application Attachments

Candidates must also attach the following to their applications:

- a) A photocopy of a valid identity document;



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- b) A photocopy of their fiscal code (codice fiscale);
- c) A Curriculum Vitae listing their scientific and teaching activities, written in Italian and in English;
- d) A list of qualifications;
- e) A copy of qualifications (only for those which cannot be presented with a personal declaration of certification) complete with a certification of authenticity and certified Italian translation if written in a language other than English;
- f) A numbered list of publications;
- g) A list of the candidate's teaching experience indicating the University/Body, the period and the subject taught;
- h) Publications not exceeding the number indicated in the attachments to the present announcement;
- i) A copy of residency permit (non EU citizens).

All qualification certificates issued by Italian Public Administration Authorities must only be self-certified as pursuant to Italian Law 183/2011.

Non EU Citizens with a regular Italian residence permit may submit original or scanned copies of qualifications, authenticated or certified copies of the original.

Art. 5 - Publications

1. Publications presented must be submitted only in .pdf format in the dedicated section of the telematic procedure at <https://pica.cineca.it/univaq>.
2. **Each publication shall not exceed the limit of 30 megabyte.**

Those publications exceeding the limit of 30 megabyte shall be indicated in a numbered list to be entered in the online platform and uploaded in .pdf format to a digital medium (USB, CD, DVD) to be posted within the application deadline by registered mail, express post or package or service with notice of receipt to the following address: Settore Concorsi e Selezioni – Palazzo Camponeschi – Piazza Santa Margherita, 2 - 67100 L'Aquila. The date when the envelope was accepted by the post office or express service company shall be taken into consideration. Any applications whose publications (exceeding the 30 megabyte) shall be excluded that, though posted within the deadline under comma 1 of Article 3 of this selection announcement, do not arrive at the University Administration within the fifth day after the designated deadline. In the latter case the date of arrival at the University shall be taken into consideration. The University Administration declines all responsibility for any non-deliveries or misdeliveries of the publications, or other problems due to third parties, unforeseeable events or force majeure. The candidate must indicate on the envelope containing the publications: the University issuing the selection procedure, the requesting Department, the academic recruitment field, academic discipline, position being applied for, name, surname, mailing address for all selection procedure related notifications.

If the maximum number of publications indicated in Attachments 1 through 17 of this selection procedure is not observed, the system shall not allow to complete the application procedure.



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Candidates cannot make references to other publications/documents presented previously to the University of L'Aquila or to any other administration/institution.

3. Once the selection procedure is completed, the selected candidate shall submit the publications presented, in original or in copy certified conform to the original.
4. Works published in Italy will be assessed if they comply with legal standards and are pursuant to Leg. Decree n. 660/1945 as amended by Italian Law 106/2004 and Presidential Decree n. 252/2006. This requires certification to be provided with the application or a personal declaration pursuant to Presidential Decree n. 445/2000; for works published abroad the date and place of publication must be indicated.
5. Publications written in a foreign language must be accompanied by a certified Italian translation by official translator or consulate/embassy. The translation process is not required for publications written in French, English, German and Spanish.

Art. 6 - Renouncing Participation

Candidates wishing to renounce participation in the selection procedure are required to write to the Rector to declare their intentions, including in their letter a photocopy of a valid identity document, to the following address: Settore Concorsi e Selezioni – Palazzo Camponeschi – Piazza Santa Margherita, 2 - 67100 L'Aquila, e-mail: conc@strutture.univaq.it. Their renouncement shall be made official during the first meeting following receipt of renouncement.

Art. 7 - Nomination of the Examining Board

1. The Board, made up of three members of which at least two tenured professors and two from other universities, named by the Department and connected with the academic recruitment field or the academic discipline concerning the position object of the public selection procedure, is appointed by a Rector's Decree. One member must be chosen among high profile experts from a university or research center in another OECD country.

The designated professors must be registered in the lists of those members who can be called by drawing for the National Scientific Qualification Boards or anyhow they must satisfy the criteria provided for by ANVUR, resolution n. 132, 13 September 2016.

Unless documented reasons exist, at least one third of the board members is to be reserved to women.

2. The following cannot be nominated:
 - Professors who have received a negative assessment as provided in Art. 6, Paragraph 7 of Italian Law 240/2010;
 - Members of the University political board, those who hold a political office as well as representatives of trade unions or professional associations;
 - Individuals condemned for crimes – even if not yet sentenced – in Book II of the Italian Penal Code (“crimes by civil servants against public administration”);
3. The Rector's Decree appointing the Examining Board shall be published on the University's Albo Ufficiale and on the University website.



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4. From the date the Rector's Decree nominating the examining board is published candidates have 10 days – in analogy with the University Regulations for appointing I and II Tier Professors - to state their opposition to any of the components of the board. After this period no instances may be presented.
5. The Board nominates a President and a Secretary.
6. The Board operates with the presence of all its members and takes decisions unanimously.
7. Participation in all Board activities is mandatory for all members.
8. The Board, after notifying the Head of the selection procedure and receiving authorization from the Rector, may hold meetings using telematic technology. At the end of the meeting the minutes must be drawn up, approved, and signed by the Secretary who has actually drawn them up. The other members of the Examining Board underwrite a statement in which they declare that they have joined the meeting and undersigned the minutes, and then forward them telematically to the competent administration office. Where applicable, reference has to be made to the University's Regulations (Rector's Decree n. 467/2016, April 18th, 2016).
9. Expenses incurred may be reimbursed in accordance with the University's Regulations pursuant to Art. 7, Paragraph 4 in reference to the recruitment of fixed-term Researchers.

Art. 8 - Role and Duties of the Examining Board

1. In the first session the Board, having determined that in compliance with related laws, no incompatibility factors are present, outlines the preliminary assessment criteria and procedures for selection in compliance with the parameters indicated in Ministerial Decree n. 243, 25 May 2011, and the criteria and specific functions to be carried out by the Researcher.
The Board also establishes an analytical system to confer points to candidates after preliminary assessment has been completed. The Board then establishes which candidates are admitted to the interview, together with the criteria for testing their English language skills, and Italian language skills for foreign applicants.
2. The Head of the selection procedure is immediately notified of the above-mentioned results which are to be published on the University's Albo Ufficiale and on the website for at least 7 days before the Board can move on to the next phase of the selection procedure.
3. The above mentioned preliminary procedure initially involves determining if the candidates possess the requisites for participation, then their CVs and publications, including their Ph.D. thesis, are assessed.
4. Following preliminary assessment, the Board will admit the most worthy candidates - 10 to 20 per cent of the original candidates – and no less than six in number - to participate in a public discussion of their qualifications and scientific work; all candidates shall be admitted to the discussion should their total number be equal to or less than six.
5. The list of candidates is drawn up by the Board and published on the University's Albo Ufficiale and on the website at least 10 days before the interview. **This is to be considered an official notification for candidates. Candidates are required**



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to appear for their interviews on the indicated date with a valid identity document. It is important to remember that candidates are not notified individually but only through the above stated notifications published online. If the candidate does not show up, this shall be considered final renunciation to the selection procedure.

6. Following the interviews, the Board grades the candidate's qualifications, attributes a grade to each publication and assesses interview and foreign language skills. Once this has been completed the Board draws up a ranking of the candidates and deliberates (by majority) the winner of the selection procedure.
7. All proceedings are contained in the minutes of the meetings, including all the assessment results obtained during the preliminary meeting, grading of qualifications and publications, and interview to test English language skills. The results of all of the above are published on the University's Albo Ufficiale and on the website **which to all effects represents an official notification for the participants in the selection.**

Art. 9 - Time Limits of the Selection Procedure

The Board is to conclude all necessary actions within four months from the Rector's Decree nominating its members.

The Rector may extend the deadline only once and for no more than two months only in the case of exceptional and documented reasons brought forth by the President of the Board before the established deadline expires.

If all procedures are not concluded even within the extended deadline the Rector shall proceed to the substitution of the Board members, who become liable for the delays caused, establishing a new deadline for completion of the selection procedure.

Art. 10 - Determining Validity of Proceedings

Within thirty days after the proceedings are consigned, the Rector issues a Decree establishing their validity, which is published on the University's Albo Ufficiale and on the website. **This, to all effects, represents official notification** and from that date candidates have a period of time to file a complaint. The candidate selected shall also be notified.

The Decree is immediately passed on to the relevant Body in charge of the appointment, as pursuant to the following Art. 11.

If the Rector finds any irregularities in the proceedings he/she may make a motivated request to the Board to obtain rectification.

Art. 11 - Appointment by the Department

Within 60 days of the Rector's approval of the proceedings the Department Council that had requested the selection procedure must unanimously adhere to the decision and decide on a date to officially appoint the new Researcher, to this end the Council must keep in mind the time needed to stipulate the contract.



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The Department's deliberation must also be approved by the University's Board of Directors, after which the Researcher is invited to present all necessary documents for contract stipulation within 30 days.

Art. 12 - Drawing-up of contract

A fixed-term (3 years) full-time employment contract shall be drawn up and underwritten by the Rector and by the Researcher.

During maternity leave the contract is put on hold and expiration date is postponed for a period equal to that of compulsory leave of absence.

All elements regarding fixed-term researcher contracts specified in Art. 10 of the University's Regulations must be indicated within said contract.

The number of hours required for teaching, integrated activities and services to the students is 350 hrs per year. Research activity is the subject of a specific scientific report to be submitted yearly to the Department's approval.

Given that the contract shall be pursuant to Leg. Decree n. 165/2001 Art. 53, it is important to state that it cannot be accumulated with other employment contracts, research grants, Ph.D. or Specialization courses, nor with any other earnings or grants from the University.

As regards the Researcher's duties the main duties established by law in reference to the category shall be applied. The University's Regulations as to assignation of teaching duties to professors and researchers (Rector's Decree n. 915-2017, 19 December 2017) will also be applied.

The Researcher appointed will be required to abide by the University's Code of Behaviour, not doing so shall lead to termination of contract. The Researcher shall also abide by norms regarding security, as established in Leg. Decree n. 81/2008 as amended and supplemented and also contact the Health and Safety Service Office of the University to gather information on prevention measures to abide by while carrying out research.

The position is subject to all laws regarding termination.

Art. 13 - Salary and Social Security Benefits

The gross annual salary for fixed-term, full-time researcher corresponds to € 58.070,41. The contract is subject to all social security and fiscal taxes.

Art. 14 - Documents for Contract Stipulation

The Researcher selected shall present all required documents together with all declarations certifying their requisites for appointment as pursuant to Presidential Decree 445/2000 art. 46 and 47 to the University's Settore Personale Docente e Ricercatori as specified in Art. 3, Paragraph 6, numbers 1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13 in this announcement. The Researcher shall also present a personal declaration of certification regarding their marital status, household members, whether they belong to legally protected categories, whether they receive a pension, whether they are members of professional registers; they must also declare that they are not employed in any other public or private company or institution as pursuant to Presidential Decree 445/2000, Art. 46 and 47.



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If the Researcher is already employed by a public institution he/she must ask for a leave of absence from their job to accept the Researcher contract they have been selected for.

Before starting work the Researcher must undergo a medical check-up to obtain a certificate from the University doctor stating that their health allows them to carry out the job duties required, the Researcher can contact the Settore Personale Docente e Ricercatori to make an appointment with the doctor.

The University reserves the right to carry out sample checks to verify the information and certification presented.

Art. 15 - Personal Data

The handling of candidates' personal information is disciplined by Leg. Decree n. 196, 30 June, 2003 and UE Regulation n. 679/2016. Personal information supplied by the candidates in the application form shall be collected by the offices of the University and processed for the purposes of the procedure and for the management of relations ensuing therefrom.

The provision of said information is compulsory, on pain of exclusion.

Candidates are entitled to exercise the rights provided in the Legislative Decree mentioned above, including the right of access to the data concerning them, the right to amend, update, complete or delete erroneous or incomplete data or data collected in a manner that is contrary to law, and to object to processing for legitimate reasons.

Art. 16 - Disclosure

This decree is made available to the public on the University website (<http://www.univaq.it>), on the Ministry of Education, University and Research website, and on the European Union website.

Art. 17 - Reference to Implementation Modalities

For all matters not contained in this announcement, the resolutions, laws and regulations indicated in the introduction together with all laws regulating recruitment of University staff shall apply.

Art. 18 - Head of the Selection Procedure

Pursuant to Art. 5 of Italian Law n. 241, 7 August, 1990, Dorian Scarsella, Head of the Settore Concorsi e Selezione of the University of L'Aquila, is also head of this selection procedure.

L'Aquila, May 15th, 2019

The Rector
(signed:) Prof.ssa Paola Inverardi



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ATTACHMENT 1

Academic Recruitment Field: 05/D1 – Physiology

Academic Discipline: BIO/09 – Physiology

Place of work: Department of Biotechnological and Applied Clinical Sciences – DISCAB

Research activities: research activities shall be carried out in the field of Integrated Neurophysiology of the Central Nervous System, with special focus on cortical, subcortical and neuronal excitability regulatory and control mechanisms. Use of stimulation, recording and analysis techniques of the neuronal electrical activity and of the in vitro and in vivo membrane excitability.

Teaching activities: Teaching activities shall be carried out in the field of the Academic Discipline BIO/09, related disciplines or disciplines anyhow related to the Academic Recruitment Field 05/D1 taught in the Bachelor's Level and in the Master's Level Degrees, single-cycle Master's Level Degrees, Specialization Schools, I and II Level Master Degrees; participation in examination committees and teaching and tutoring activities in Ph. D. courses.

Foreign language requisite: English

Maximum number of publications: 12 (twelve).

Assessment criteria: the Examining Board will make reference to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011.



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ATTACHMENT 2

Academic Recruitment Field: 06/C1 – General Surgery

Academic Discipline: MED/18 – General Surgery

Place of work: Department of Biotechnological and Applied Clinical Sciences – DISCAB

Research activities: Study and diagnosis of the dysfunctions and rehabilitation of the pelvic floor especially in the kidney transplant patient; application of new surgical strategies in the field of transplant surgery also by means of robotic tools.

Teaching activities: Teaching activities shall be carried out in the field of the Academic Discipline MED/18, related disciplines or disciplines anyhow related to the Academic Recruitment Field 06/C1 taught in the Bachelor's Level and in the Master's Level Degrees, single-cycle Master's Level Degrees, Specialization Schools, I and II Level Master Degrees; participation in examination committees and teaching and tutoring activities in Ph. D. courses.

Admission Requisites: Specialization Diploma in Gastro-Enterological Surgery and Endoscopic Surgery as medical care service is to be carried out under agreement with ASL n.1 Avezzano-Sulmona-L'Aquila.

The clinical requisites required are described in the ministerial decree concerning the Academic Discipline MED/18.

Foreign language requisite: English

Maximum number of publications: 12 (twelve).

Assessment criteria: the Examining Board will consider criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011.



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ATTACHMENT 3

Academic Recruitment Field: 03/A1 – Analytical Chemistry

Academic Discipline: CHIM/01 – Analytical Chemistry

Place of work: Department of Physical and Chemical Sciences – DSFC

Research activities: research activities shall be carried out in the field of Academic Discipline CHIM/01 and in particular within the framework of the development, validation and application of the analytical methodologies for the study of complex systems of environmental, biological and alimentary interest.

Teaching activities: Teaching activities shall be carried out in the courses taught at the University of L'Aquila in the field of the Academic Discipline CHIM/01.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria:

1. Relevance of the candidate's overall scientific production;
2. Organization of, or participation in, as a speaker in scientific conferences in Italy or abroad;
3. Direction of national and international scientific research projects or groups, or participation in;
4. Coordination of studies and scientific researches entrusted by qualified public or private institutions;
5. Scientific coordination of national and international scientific research projects funded by peer review-based competitive calls;
6. Direction of, or participation in, the scientific committees of highly regarded journals, series, encyclopaedias and treatises;
7. Prizes and awards received for his/her scientific activity, included affiliation to highly regarded societies of the relevant field;
8. Results achieved in the field of technology transfer in terms of contribution to the development of new enterprises (spin off), patents' development, employment and marketing;
9. Specific professional experiences or research activities of the candidate within the relevant academic discipline;



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ATTACHMENT 4

Academic Recruitment Field: 02/A1 – Experimental Physics of Fundamental Interactions

Academic Discipline: FIS/01 – Experimental Physics

Place of work: Department of Physical and Chemical Sciences – DSFC

Research activities: The Researcher's scientific activity shall be carried out in the field of physics of fundamental interactions, with special emphasis on astroparticle experimental physics or on the research of rare events in underground labs.

Teaching activities: 60 hrs. (max 90 hrs.) to be spent in class teaching of Experimental Physics courses in the Bachelor's Level Degree and/or in the Master's Level Degree in

Physics or in other Degrees of the University. The total number of hours required for teaching activities and services to the students, orientation and tutoring included as well as learning tests, is 350 hrs per year.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria:

1. Relevance of the candidate's overall scientific production;
2. Organization of, or participation in, as a speaker in scientific conferences in Italy or abroad;
3. Direction of national and international scientific research projects or groups, or participation in;
4. Coordination of studies and scientific researches entrusted by qualified public or private institutions;
5. Scientific coordination of national and international scientific research projects funded by peer review-based competitive calls;
6. Direction of, or participation in, the scientific committees of highly regarded journals, series, encyclopaedias and treatises;
7. Prizes and awards received for his/her scientific activity, included affiliation to highly regarded societies of the relevant field;
8. Specific professional experiences or research activities of the candidate within the relevant academic discipline.



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ATTACHMENT 5

Academic Recruitment Field: 06/A2 – Experimental Medicine, Pathophysiology and Clinical Pathology

Academic Discipline: MED/05 – Clinical Pathology

Place of work: Department of Life, Health and Environmental Sciences – MESVA

Research activities: The Researcher shall carry out his/her research activities in the Academic Discipline MED/05 with a special focus on the study of biological mechanisms involved in the release of extracellular vesicles both in a physiological and in a pathological framework, with a specific emphasis on angiogenesis processes and tumor progression in ovarian tumors, breast tumors and brain tumors. In this context focus shall be placed on functional, morphological and molecular studies.

Scientific efforts shall also be placed on the new regenerative medicine and on tissue repair and regeneration processes supported by the use of blood components. The study and control of biological processes initiated by blood components (platelet gel) in the cells involved in the repair processes shall also be of interest.

Teaching activities, integrated teaching activities and services to the students:

The Researcher shall carry out teaching activities in the Academic Discipline MED/05 as planned yearly by the Department in the Bachelor's level degree and Master's level degree of the health area. He/she shall also carry out the following integrated teaching activities and services to the students: be a member of examination and thesis discussion committees, hold students' hours, assist students of the medical degrees in preparing their thesis and Ph.D. students in their dissertation research work.

The number of hours required for teaching activities, integrated activities and services to the students is 350 hrs, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated activities and services is 1.500 hrs per year.

Maximum number of publications: 20 (twenty)

Foreign language requisite: English

Assessment criteria:

With due regard to criteria and parameters indicated in the legislation in force, the Examining Board shall make reference to the following assessment criteria:

- in order to assess the candidate's scientific activity, the Examining Board will refer to criteria acknowledged by the relevant international scientific community, particularly as far as the individual contribution of the candidate to his/her publications is concerned. Moreover, qualifications related to a scientific activity relevant to the scientific profile required will be considered preferential titles;



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- a Specialization Diploma in Clinical Pathology, besides a Ph.D. in disciplines related to the Academic Discipline MED/05, will be considered preferential title;
- a documented scientific knowledge in the field of physiopathology of the release of extracellular vesicles as well as in regenerative medicine will be considered preferential title.



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ATTACHMENT 6

Academic Recruitment Field: 05/F1 – Experimental Biology

Academic Discipline: BIO/13 – Experimental Biology

Place of work: Department of Life, Health and Environmental Sciences – MESVA

Research activities: The Researcher shall carry out his/her research activities in the Academic Discipline BIO/13 with special emphasis on basic cellular processes involved in the Redox Homeostasis and in the control of dicarbonyl stress. Particularly relevant will be the studies on the modulation of the response to the stress in female reproductive cells and surveys on targeted strategies to safeguarding ovum quality in aging, in metabolic disorders, in cancer therapies, and in the manipulations of medically assisted fertilization. To this purpose animal models and advanced biological technologies will also be used for the evaluation of the redox state of the cell, of the metabolism and of the mitochondrial function.

Teaching activities, integrated teaching activities and services to the students: The Researcher shall carry out teaching activities in the Academic Discipline BIO/13 as planned yearly by the Department. He/she shall also carry out the following integrated teaching activities and services to the students: be a member of examination and thesis discussion committees, hold students' hours, assist students of the Bachelor's level degree and Master's level degree in training and thesis work.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria:

With due regard to criteria and parameters indicated in the legislation in force, the Examining Board shall make reference to the following assessment criteria:

- in order to assess the candidate's scientific activity, the Examining Board will refer to criteria acknowledged by the relevant international scientific community, particularly as far as the individual contribution of the candidate to his/her publications is concerned. Moreover, qualifications related to a scientific activity relevant to the scientific profile required will be considered preferential titles;
- a documented scientific and clinical knowledge in the field of biology applied to germ cells as well as to reproductive organs will be considered preferential title;
- teaching activity in the specific field at university level in Italy and abroad.



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ATTACHMENT 7

Academic Recruitment Field: 11/E4 – Clinical and Dynamic Psychology

Academic Discipline: M-PSI/08 – Clinical Psychology

Place of work: Department of Life, Health and Environmental Sciences – MESVA

Research activities: The Researcher shall carry out his/her research activities in the Academic Discipline M-PSI/08 with particular emphasis on the study of some areas of the specific field. He/she shall be required to prove: experience in supplying early measures based on the cognitive-behavioral approach and targeted to young patients suffering from mental illnesses, focusing especially on anxiety disorders and psychotic disorders; specific skills in neurocognitive, metacognitive and social cognition deficits which compromise the social functioning of patients suffering from schizophrenia; skills in the field of cognitive and social factors which bear a significant impact on the recovery process of people suffering from mental illness, and knowledge of tools useful to measure such a process.

The scientific commitment required will also be targeted to the study of clinical, cognitive, emotional and behavioral relations of the post traumatic stress disorder which may occur as a consequence of major traumatic events with particular attention to natural disasters and their consequences.

Teaching activities, integrated teaching activities and services to the students:

The Researcher shall carry out teaching activities in the Academic Discipline PSI/08 as planned yearly by the Department in the Bachelor's level degree and Master's level degree of the health area. He/she shall also carry out the following integrated teaching activities and services to the students: be a member of examination and thesis discussion committees, hold students' hours, tutoring students of the medical degrees in preparing their thesis and Ph.D. students in their dissertation research work.

The number of hours required for teaching activities, integrated activities and services to the students is 350 hrs, of which 60 of class teaching. The total amount of hours required for research activities, teaching activities, integrated activities and services is 1.500 hrs per year.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Admission Requisites: a Ph.D., or an equivalent degree obtained in Italy or abroad.

Assessment criteria: With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board will consider the following: the high quality of the candidate's scientific production, documented by publication in conference proceedings and journals of international reputation and by the consistency with the type of scientific commitment required. Other



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qualifications such as National Scientific Qualification will be considered, and documented clinical experience in the field of interest in other institutions (at least 3 years) will be considered preferential title.



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ATTACHMENT 8

Academic Recruitment Field: 11/A1 – Medieval History

Academic Discipline: M-STO/ 01 – Medieval History

Place of work: Department of Human Studies – DSU

Teaching activities: The selected candidate shall teach the courses related to the academic discipline M-STO/ 01 – Medieval History offered within the Bachelor's Level Degree and the Master's Level Degree of the Department. He/she shall also be in charge of integrated, laboratory and seminar activities, Ph.D. courses, if required, incoming and mid-term orientation activities, and in general tutoring for students

Research activities: The selected candidate shall apply his/her skills in the Academic Discipline M-STO/01 – Medieval History, with special emphasis on the social and economic history of the south of Italy and of the Mediterranean area.

Further scientific and teaching qualifications: The selected candidate will be required to have specific research and teaching skills in issues related to social and economic history of the south of Italy and the medieval Mediterranean area. Particular attention shall be paid to the real applicative value of the researches carried out by the candidate on issues concerning urban realities, production sectors, merchant classes and the dynamics of social, economic and cultural exchanges.

Assessment criteria: the Examining Board will assess the candidate's scientific publications and overall CV according to the following criteria:

- a) Originality, innovation, rigorous methodology and relevance of the publications submitted ;
- b) Analytic determination of the candidate's individual contribution in co-authored publications;
- c) consistency of the candidate's activity with the subjects included in the academic recruitment field object of the selection procedure with particular reference to the profile indicated by the Department;
- d) scientific relevance of editorial classification of the publications and their diffusion within the national and international scientific community;
- e) temporal continuity of scientific production also in relation to the evolution of knowledge in the specific academic field;
- f) consistency of the candidate's scientific profile with what required in the selection announcement in the outline of the scientific and teaching profile as well as in "Further scientific and teaching qualifications".



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The following qualifications will anyhow be specifically considered in the comparative assessment:

- a) Ph.D. and other research grants;
- b) participation in national and international research projects;
- c) organization of scientific events;
- d) collaboration with highly regarded journals or series.

Maximum number of publications: 12 (twelve).

Foreign language requisite: French



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ATTACHMENT 9

Academic Recruitment Field: 0/A1 – Archaeology

Academic Discipline: L-ANT/08 – Christian and Medieval Archaeology

Place of work: Department of Human Studies – DSU

Research activities: Research activities shall be carried out in the field of Christian and Medieval Archaeology with particular emphasis on the history of late antiquity and medieval settlements, on the archaeology of architecture, on the study of fortified sites and cemetery areas related to the settlements. Specific attention shall also be paid to Italian early medieval settlement dynamics through the study of the conquer of the heights, of the manorial system, of the early medieval and Norman fortification phenomenon with reference to the Apennines territories. The Researcher is expected to investigate such phenomena by means both of archaeological sources and philological reconstruction of historical events. A good knowledge of the most updated techniques of stratigraphic investigation as well as proved experience in managing multilayered archaeological excavations are among the skills required.

Teaching activities: Teaching activities shall be included in the range of courses already offered by the Department in the specific discipline in the Bachelor's Level Degrees and in the Master's Level Degrees. The selected candidate shall also be in charge of students' tutoring activities and guidance at the incoming. A specific integrated teaching activity shall also be supervising and tutoring students in their thesis work.

Teaching activities, integrated teaching activities and services to the students: The number of hours required for teaching activities, integrated activities and services to the students is 350 hrs, of which 60 of class teaching.

Assessment criteria: With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess the candidate considering the high quality of their scientific production and their teaching experience documented by:

- 1) consistency of the candidate's activity with the subjects included in the academic recruitment field object of the selection procedure with particular reference to the project of Excellence of the Department;
- 2) original and innovative scientific production as well as rigorous methodology and relevance of editorial classification of the publications;
- 3) teaching positions in Italian or foreign academic institutions in the fields relevant for the present selection procedure;
- 4) research positions in qualified Italian or foreign research Institutions;
- 5) participation in research groups with national and/or international connections
- 6) organization of, or participation as a speaker in, scientific conferences or seminars in Italy or abroad
- 7) participation in scientific committees of highly regarded journals or series;

Unità Organizzativa Responsabile: Settore Concorsi e Selezioni - e-mail: conc@strutture.univaq.it

Responsabile: Dott.ssa Dorianna Scarsella – tel: 0862432089 – FAX 0862431295

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8) National Scientific Qualification or analogous qualification shall be considered preferential title.

Maximum number of publications: 12 (twelve).

Foreign language requisite: French



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ATTACHMENT 10

Academic Recruitment Field: 09/E3 – Electronics

Academic Discipline: ING-INF/01 – Electronic Engineering

Place of work: Department of Industrial and Information Engineering and Economics
DIIIIE

Research activities: The Researcher shall carry out research activities in the field of Electronics, with particular emphasis on the issues related to the design of high and very high frequency circuits mainly for aerospace applications, for fixed and mobile telecommunications, and for imaging. The design shall deal especially with monolithic circuits based on both traditional technologies (III-V-type semiconductors) and innovative ones (SiGe-type semiconductors). He/she shall also deal with designing and implementing discrete card circuits mainly but not exclusively for high frequencies, regularly implemented in the Department as a support to research as well as teaching.

Teaching activities, integrated teaching activities and services to the students:

Teaching activities shall be carried out in the Bachelor's Level Degree in Industrial Engineering and in the Master's Level Degree in Electronic Engineering as well as in Ph.D. courses. The Researcher shall teach seminars, also in English, on particular subjects of interest of the Master's Level Degree students. He/she shall also be a member of examination and thesis discussion committees, hold students' hours, assist students in training and thesis work, participate in the orientation and tutoring activities of the Department, for a total amount of 350 hrs per year.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English



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ATTACHMENT 11

Academic Recruitment Field: 09/C1 – Fluid Machinery, Energy Systems and Power Generation

Academic Discipline: ING-IND/09 – Energy Systems and Power Generation

Place of work: Department of Industrial and Information Engineering and Economics – DIIE

Research activities: The Researcher shall carry out research activities in the field of energy transformations and the interactions with the environment. In this field the Department is deeply involved in several national and international projects concerning: the technological evolution of internal combustion engines, CO₂ transcritical refrigerating systems, low temperature energy recovery for the conversion to mechanical energy, valorization of solar power for energy use, implementing instruments required by the EU related to Territorial Energy Planning. Research activities have both a theoretical and an experimental value. As far as the experimental activity is concerned, particularly important are the dynamic engine and the CO₂ transcritical refrigerating system testbeds.

Teaching activities, integrated teaching activities and services to the students:

Teaching activities shall be carried out within the Ph.D. courses for the so-called “ad hoc” Ph.D. students, the Master’s Level Degree courses in Mechanical Engineering, specifically the courses of Machine Dynamics and Control, Energy System and Machine Management (Industrial Engineering). Teaching activities shall support also the courses in Machines and Environment Interaction, and Territorial Energy Planning. The Researcher shall teach seminars, also in English, on particular subjects of interest of the Master’s Level Degree students such as non-stationary processes and non-conventional energy transformations. He/she shall also be a member of examination and thesis discussion committees, hold students’ hours, assist students in training and thesis work, participate in the orientation and tutoring activities of the Department, as well as supervise Ph.D. students in their dissertation work, for a total amount of 350 hrs per year.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English



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ATTACHMENT 12

Academic Recruitment Field: 09/D1 – Materials Science and Technology

Academic Discipline: ING-IND/22 – Materials Science and Technology

Place of work: Department of Industrial and Information Engineering and Economics – DIIE

Research activities: The Researcher shall carry out research activities in the field of ceramic materials with special emphasis on nanoparticle synthesis of metal hydroxides/oxides both at laboratory and at pilot scale with applications in the fields of Cultural Heritage, industrial and bio-medical engineering. Research activities shall focus particularly on the synthesis with innovative methodologies – also “green chemistry” approaches, the study of the characterization of the nanoparticles produced included their application to stone materials and mortars of particular historical-architectonic significance.

Teaching activities, integrated teaching activities and services to the students: Teaching activities shall be carried out within the Bachelor's Level Degree in Industrial Engineering, in Environmental and Civil Engineering as well as in the single-cycle Degree in Construction-Architectural Engineering; the Researcher shall also teach seminars in the courses of Applied Chemistry and Science and Technology of Materials II, supervise thesis work in the Bachelor' Level Degree in Industrial Engineering and in the Master's Level Degree in Chemical Engineering. The Researcher shall teach seminars, also in English, on particular subjects of interest of the Master's Level Degree students. He/she shall also be a member of examination and thesis discussion committees, hold students' hours, assist students in training and thesis work, participate in the orientation and tutoring activities of the Department, for a total amount of 350 hrs per year.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English



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ATTACHMENT 13

Academic Recruitment Field: 01/A2 – Geometry and Algebra

Academic Discipline: MAT/02 – Algebra

Place of work: Department of Information Engineering, Computer Science and Mathematics – DISIM

Specific functions: The Researcher shall carry out and promote an intensive research activity in algebra, particularly as far as the group theory application to cryptography is concerned; he/she shall: carry out teaching activities in the courses of the Bachelor's Level Degree, Master's Level Degree, and Ph.D. related to the Academic Discipline MAT/02; organize within the Department internationally connected research groups; involve in research projects companies interested in cryptography; teach courses and seminar also in English; participate in the orientation and tutoring activities of the University.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria:

With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board will consider the high quality of the candidate's scientific production, documented by publication in conference proceedings and journals of international reputation. Other qualifications such as National Scientific Qualification or analogous qualification in other EU countries, teaching positions in Italian or foreign academic institutions, positions held in national and international scientific institutions and laboratories, coordination of research projects involving private companies will also be considered.



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ATTACHMENT 14

Academic Recruitment Field: 01/A2 – Geometry and Algebra

Academic Discipline: MAT/03 – Geometry

Place of work: Department of Information Engineering, Computer Science and Mathematics – DISIM

Specific functions

Research activities: The Researcher shall carry out research activities in the field of differential geometry.

Teaching activities, integrated teaching activities and services to the students:

The Researcher shall carry out teaching activities in the courses of the Academic Discipline MAT/03 – Geometry. He/she shall also carry out the following: be a member of examination committees, assist students, participate in the orientation and tutoring activities, supervise thesis and Ph. D. dissertation work. The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 hrs of class teaching.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria:

With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidate's overall profile and scientific maturity; his/her individual contribution to the publications submitted and their publication in journals of international reputation; participation in financed research projects; consistency with the scientific commitment required.



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ATTACHMENT 15

Academic Recruitment Field: 01/B1 - Informatics

Academic Discipline: INF/01 – Informatics

Place of work: Department of Information Engineering, Computer Science and Mathematics – DISIM

Specific functions

Teaching activities: The Researcher shall carry out teaching activities in the courses of the Bachelor's Level Degree, Master's Level Degree, and Ph.D. related to the Academic Discipline INF/01. He/she shall also teach courses and seminars in English and participate in the orientation and tutoring activities.

Research activities: The Researcher shall carry out and promote an intensive research activity; he/she shall prove to have those skills in mathematics and in theory and analysis of algorithms that enable him/her to deal with the theoretical issues emerging in the field such as the formal characterization of Deep Learning techniques, Cryptography and Block-Chain problems, algorithm game theory, as well as the innovative application areas such as the support to personalized medicine, to empirical software engineering and to the resilience of the communication networks.

The Researcher shall also organize within the Department internationally connected research groups, teach courses and seminar also in English, participate in the orientation and tutoring activities of the University

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria:

With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board will consider the high quality of the candidate's scientific production with particular reference to the specific functions that he/she shall carry out. Other qualifications such as teaching positions in Italian and foreign academic institutions, positions held in national and international scientific institutions and laboratories, organization of international scientific events and participation as chair/program committee, editorial board or guest editor in journals, organization of international research groups will also be considered.



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ATTACHMENT 16

Academic Recruitment Field: 08/F1 – Urban and Territorial Planning and Design

Academic Discipline: ICAR/20 – Urban and Regional Planning

Place of work: Department of Civil, Construction-Architectural and Environmental Engineering – DICEAA

Research activities: the Researcher shall carry out research activities in the field of Urban and Territorial Planning with particular emphasis on the following issues: (a) Control and sustainability of urban sprawl, (b) Analysis and environmental assessment techniques, (c) Geographic Information Systems, (d) Engineering of indicators, (e) Measurement of the settlement environmental interference.

The Researcher shall also be required to managing innovative and experimental technologies of data acquisition for spatial diagnosis.

Teaching activities, integrated teaching activities and services to the students: the Researcher shall carry out teaching activities in the courses of the Academic Discipline ICAR/20 – Urban and Regional Planning as well as in the courses of Geographic Information Systems of the degrees in Engineering and Management of Ecosystems. He/she shall also carry out the following: be a member of examination committees, assist students, participate in the orientation and tutoring activities, supervise thesis and Ph. D. dissertation work.

Teaching activities . The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 hrs of class teachnig.

Total number of hours required for research, teaching, integrated activities and services to the students is 1.500 hrs. per year.

Maximum number of publications: 12 (twelve).

Foreign language requisite: English

Assessment criteria: With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidate's overall profile and scientific maturity; his/her individual contribution to the publications submitted; the international visibility of their scientific production in the main citation database; participation in financed research projects; consistency with the scientific commitment required.



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ATTACHMENT 17

Academic Recruitment Field: 08/B2 – Structural Engineering

Academic Discipline: ICAR/08 – Structural Engineering

Place of work: Department of Civil, Construction-Architectural and Environmental Engineering – International Research Center on Mathematics and Mechanics of Complex Systems.

Research activities: : the Researcher shall carry out research activities in the field of Structural Engineering with particular emphasis on the following issues:

(a) Numerical methods for designing metamaterials; (b) Computational mechanics of multiscale systems and nano-structured materials; (c) experimental methods for the development of metamaterials; (d) application of metamaterials to new materials for biomechanics; (e) designing smart systems for vibration control in linear and non-linear systems.

The Researcher shall also be required to managing innovative and experimental technologies of data acquisition for designing, implementing and experimenting innovative multiscale metamaterials.

Teaching activities, integrated teaching activities and services to the students: the Researcher shall carry out teaching activities in the courses of the Academic Discipline ICAR/08 – Structural Engineering, also in English.

He/she shall also carry out the following: be a member of examination committees, assist students, participate in the orientation and tutoring activities, supervise thesis and Ph. D. dissertation work.

Teaching activities: The total number of hours required for teaching activities, integrated teaching activities and services to the students is 350 hrs per year, of which 60 hrs of class teaching.

Total number of hours required for research, teaching, integrated activities and services to the students is 1.500 hrs. per year.

Maximum number of publications: 16 (sixteen).

Foreign language requisite: English

Assessment criteria: With due regard to criteria and parameters indicated in Ministerial Decree n. 243, 25 May 2011, the Examining Board shall assess: the candidate's overall profile and scientific maturity; his/her individual contribution to the publications submitted; the international visibility of their scientific production in the main citation database; participation in financed research projects; consistency with the scientific commitment required.