



UNIVERSITÀ DEGLI STUDI DI GENOVA
AREA PERSONALE

Servizio Personale Docente

Settore Gestione stato giuridico del Personale Docente e degli Assegnisti di ricerca

Decrete n. 1657

THE RECTOR

Having regard to the Italian Law no. 241 dated 7th August 1990 and subsequent amendments, which contains provisions regarding the administrative procedure and the right of access to administrative documents;

Having regard to the Italian Ministerial Decree dated 4th October 2000 regarding the restatement and update of scientific disciplinary sectors and the definition of the relevant declaratory judgements, and subsequent amendments;

Having regard to the Ministerial Decree 3/18/2005 of partial correction of the Ministerial Decree 4/10/2000;

Having regard to the Ministerial Decree 30.10.2015 n. 855 of restatement of the macro-sectors and of the competition sectors;

Having regard to the Italian Presidential Decree no. 445 dated 28th December 2000, which contains the Consolidated Text of legislative and regulatory provisions on administrative documentation, published on the ordinary Supplement to the Official Journal (G.U.) no. 42 dated 20th February 2001 – General Series and subsequent amendments;

Having regard to the Italian Ministerial Decree no. 270 dated 22nd October 2004, regarding the amendments to the regulation which contains provisions on the didactic autonomy of universities, approved with Decree of the Minister for Universities and Scientific and Technological Research no. 509, dated 3rd November 1999;

Having regard to the Italian Law no. 69 dated 18th June 2009, and in particular, art. 32;

Having regard to the Italian Inter-ministerial Decree dated 9th July 2009, on the equalization of university degrees for the participation to public competitions;

Having regard to the Italian Law no. 240 dated 30th December 2010, which contains provisions concerning the organization of universities, academic personnel and recruitment, as well as the delegation to the Government for providing incentives for the quality and efficiency of the university system, and in particular art. 22, which contains provisions on research fellowships;

Having regard to the Italian Ministerial Decree no. 102 dated 9th March 2011 on the minimum annual amount of research fellowships;

Having regard to the notice of the Ministry of Education, University and Research (MIUR) prot. no. 583 dated 8th April 2011;

Having regard to the Italian Law no. 183 dated 12th November 2011 (Law of Stability 2012), and in particular, art. 15, which contains provisions on certifications and self-certifications;

Having regard to the Statute of the University of Genoa, issued with the Rector's Decree no. 1986 dated 5th June 2017.

Having regard to the Rector's Decree no. 497 dated 16th December 2011 issuing the "Code of Ethics of the University of Genoa";

Having regard to the “Employee Code of Conduct of the University of Genoa”, issued with Rector’s Decree no. 1143 dated 27th February 2015, implementing the Italian Presidential Decree no. 62 dated 16th April 2013, on the “Regulation on the code of conduct for civil servants according to art. 54 of the Italian Legislative Decree no. 165 dated 30th March 2001”;

Having regard to the Rector’s Decree n. 5389 dated 28 December 2020 issuing the “Regulation for the awarding of research fellowships”

Having regard to the resolution of the Board of Directors dated 22nd July 2015, determining the amounts to be awarded for research fellowships and the timetable of the procedures, according to art. 1 of the abovementioned “Regulation for the awarding of research fellowships”;

Given the resolutions received by the Departments concerned with which requests for the activation of research grants have been proposed;

Given D.P.C.M. 2.3.2021, art. 24;

Given Law Decree no. 44 of 1.4.2021 - art. 10;

Given Law Decree no. 52 of 22.4.2021 - art. 1;

Considering that it has been established that the scientific responsible for the selection procedures indicated in Annex A, which is an integral part of this call, is willing to carry out the above mentioned procedures electronically or in attendance with the above mentioned indications concerning the COVID -19 emergency, and that therefore this call is issued in full compliance with the provisions laid down;

HEREBY DECREES

ART. 1

Number of research fellowships

1. An announcement is made for no. 38 public selections for the awarding of no. 39 research fellowships in the programs specified in *Annex A*, being an integral part of this announcement.

2. Students with a professional scientific curriculum suited to the performance of research activities are eligible to receive research fellowships.

3. Candidates, wishing to apply for more than one selection procedure, must submit a separate application for each selection, with the relevant documentation. If a single application is submitted for more than one selection procedure, the candidate will only be admitted to the first selection resulting from the same application.

4. As regards the declaratory judgements of the scientific disciplinary sectors, reference shall be made to the Italian Ministerial Decree dated 4th October 2000 and subsequent amendments, mentioned above.

5. The Administration ensures equality and equal opportunity between men and women with regard to access to employment and treatment at work.

6. This decree is published by electronic means on the web notice board in the website of the University of Genoa.

ART. 2

Admission requirements and grounds for exclusion

1. In order to be admitted to the selection, the candidates must possess the degree referred to in *Annex A* to this Announcement as regards each research program.

2. No candidate with family or kinship relationship, up to and including the fourth degree, as well as no candidate married, with a Professor belonging to the department or institute, where the research activity is performed, or with the Rector, General Director or a member of the Board of Directors of the University may be admitted to the public selections for the awarding of research fellowships.

3. Admission requirements and grounds for exclusion are referred to the expiration date of the term established for submitting the application.

4. The candidates are admitted with reserve to the selection procedure. This University may arrange, by means of a justified measure, to exclude a candidate from the selection due to lack of the prescribed requirements. Any such measure will be communicated to the candidate concerned by way of e-mail with acknowledgment of receipt indicated by the candidate in the application for admission to the selection.

5. For candidates with a foreign qualification, which has not yet been declared equivalent, the equivalence of the qualification is ascertained, for the sole purpose of admission to the selection procedure, by the commissions referred to in the following art. 6 at the time of examination of the qualifications, on the basis of the appropriate documentation presented during the application phase. These candidates will therefore be

admitted to the preliminary stage with reserve. If the aforementioned candidates are winners, they must send to the University the official translation and the Dichiarazione di Valore” (Declaration of Worth) of the foreign qualification drawn up by the competent Italian diplomatic or consular offices in the country of origin, according to the regulations in force, within 60 days from the decree of approval of the selection. The forfeiture of the right to stipulation of the contract will be arranged if the documents do not arrive at the University within this period.

ART. 3

Procedure for submission of the application

1. The candidate shall submit his/her application for the admission to the selection by electronic means, filling in the relevant form, within the deadline in the subsequent paragraph. To this purpose, the candidate shall use a specific computer application, which is available at the address <https://concorsi.unige.it>, and necessarily requires the possession of a certified email address, in order to perform a self-registration to the system. The candidate shall enter all the data required for submitting the application and then print the receipt, which will be automatically sent via email. The receipt must be kept and made available in case of any check by the Administration. Upon forwarding, an identification number will be automatically assigned to the application. This number must be specified in any subsequent communication, together with the selection code displayed by the computer application. The date of the electronic filing of the application for the admission to the selection is certified by the information system. Upon the expiration date of the term established for the submission, this system will not allow any candidate to access and send the relevant electronic form. Within the expiration date, the candidate may forward further applications regarding the same selection, in order to amend any error and/or add any integration. For the admission to the selection the application with the most recent submission date will be considered valid. Furthermore, the system requires that the electronic documents referred to in paragraph 8 below are attached to the application as well. **No other way of submission or sending of the applications for the admission to the selection will be accepted.**

2. The electronic process for the filling in and sending of the application must be completed within 12 a.m. of the thirtieth day after the day of publication of this Announcement on the web notice board in the website of the University.

3. If the expiration day falls on a holiday, it will be possible to fill in and send the application within 12 a.m. of the first next working day.

4. Without prejudice to the provisions of art. 5, paragraph 5, all the communications regarding the public selection announced with this Decree will be forwarded to the candidates concerned by e-mail with acknowledgment of receipt indicated by the candidate in the application for admission to the selection.

5. In the application the candidate shall declare his/her full name, date and place of birth, tax code and place of residence, as well as:

- a) the possession of the degree referred to in Annex A as per art. 1, which is required for the research program of interest. The candidates in possession of a degree obtained abroad shall also specify if this degree, according to the regulation in force, has been declared equivalent to the degree required by this Announcement. The candidate shall also specify the name of the University, which awarded such degree, the date of award and the final degree mark;
- b) his/her citizenship;
- c) that he/she has no family or kinship relationship, up to and including the fourth degree, and is not married, with a Professor belonging to the department or institute, where the research activity is performed, or with the Rector, General Director or a member of the Board of Directors of the University;
- d) whether he/she has received a doctoral grant;
- e) whether he/she has already been holder of a research fellowship according to art. 22 of the Italian Law no. 240/2010;
- f) whether he/she has already been holder of a contract according to art. 24 of the Italian Law no. 240/2010 (fixed term researcher position);
- g) being a citizen of a non-EU country, the possession of the residence permit necessary to perform the activity provided for by the contract in art. 7;
- h) that he/she is acquainted with the provisions of art. 13 of the Rector’s Decree no. 6144 dated 27th July 2015 and subsequent amendments and integrations, regarding the prohibition of plurality of offices and the incompatibility;
- i) the choice of the foreign language in which to be tested, if required according to the subjects of the interview relevant to the research program in Annex A, as per art. 1;

j) the mandatory indication that the interview must be conducted electronically, by means of videoconferencing via SKYPE for procedures that are conducted electronically, or the indication, where applicable, that the interview must be conducted electronically, by means of videoconferencing via SKYPE in the case of procedures that require the interview to be conducted in person, as indicated in Annex A, in accordance with the provisions of Article 5, paragraph 8 below;

Lack of the declarations provided for in letters a), c) will result in exclusion from the selection.

6. The application must include the e-mail address as well as the address elected by the candidate for the purposes of the selection. Any variation must be promptly notified to the Department to which the application has been addressed.

7. The declarations made in the application must be considered issued according to the Italian Presidential Decree no. 445/2000 and subsequent amendments, by candidates entitled to make use of the simplified administrative certifications permitted by the above decree.

8. Candidates shall enclose to their application:

a) a non-certified photocopy of an identification document in electronic format (.pdf, .jpg, .gif, etc.) via scanning or digital photography of the same;

b) a scientific-professional *curriculum* and a self-certification relevant to the truthfulness of the information contained therein, drawn up on form B attached herewith;

c) if he/she is a foreign citizen, a photocopy of the residence permit, if possessed, in electronic format (.pdf, .jpg, .gif, etc.) via scanning or digital photography of the same;

d) publications, which are deemed useful for the purposes of the selection. The above documents shall be attached to the application in .pdf format and declared compliant with the original copies through a proper self-executed affidavit, drawn up on form C attached herewith. This declaration shall contain also a numbered and detailed list of the files transmitted by electronic means, together with the application, as specified in paragraph 1.

9. According to art. 15, paragraph 1, of the Italian Law no. 183 dated 12th November 2011, the candidates shall demonstrate the possession of the qualifications only by means of the declarations established by the abovementioned Italian Presidential Decree no. 445/2000 and subsequent amendments.

10. The same procedures as those established in the previous paragraphs for Italian citizens apply to the citizens of the European Union. Citizens of countries not belonging to the European Union can use self-certifications as established in art. 4

11. Candidates may not make reference to qualifications or publications submitted to this Administration or other Administrations or qualifications attached to other applications for participation to other competitions.

12. The works legally registered as established by the Italian Legislative Decree of the King's Lieutenant no. 660/1945, as integrated and amended by the Italian Law no. 106/2004 and the Italian Presidential Decree no. 252/2006 may be evaluated for the purposes of the public selections referred to in this Announcement.

13. This Administration shall perform suitable checks, even sample checks, in any case of well-founded doubts as to the truthfulness of the self-certifications. If the above check reveals that the content of the declaration is not true, the declarant will forfeit any benefits resulting from the provision issued on the basis of the untruthful declaration, without prejudice to the provisions of the criminal code and relevant special laws.

14. This University does not take any responsibility for failure to receive applications due to technical problems related to the Internet service and email operation and/or configuration made available by the provider of the candidate.

15. This University does not take any responsibility for failure to receive communications, because a wrong address was provided by the candidate or due to a missed or late notification of change of the address specified in the application. The same applies in case of any postal or telegraphic error or errors attributable to third parties, chance or force majeure.

ART. 4

Citizens of countries not belonging to the European Union – self-certifications

1. Citizens of countries not belonging to the European Union regularly residing in Italy can use the self-certifications established by the Italian Presidential Decree 445/2000 referred to above only in respect to the status, personal qualities and facts that can be certified or attested by Italian public bodies, without prejudice

to the special provisions contained in the laws and regulations concerning immigration and the status of foreigner.

2. Outside the cases provided for in the preceding paragraph, citizens of countries not belonging to the European Union authorised to reside in the territory of the Country can use the aforementioned self-certifications, if the same are produced under international agreements between Italy and the country of origin of the declarant.

ART. 5

Qualification assessment and interview

1. The examinations shall take place by videoconference or in attendance where indicated in Annex A) and aim to ascertain the candidate's preparation, experience and aptitude for research.

They shall consist of:

- assessment of the qualifications submitted;

- an interview, on the subjects specified by the Announcement and listed, for each research program, in Annex A to the same Announcement.

2. The selection board referred to in art. 6 below pre-determines the general criteria for the evaluation of qualifications and for the interview and makes them known through publication on the Department's website and contextual e-mail communication to all candidates, or posting them at the examination venue.

3. Works drawn up in cooperation may be considered as usable qualifications only if it is possible to separate and identify the contribution of each single author, so as to assess the candidate in the part concerning him/her.

4. An overall score of 40 is assigned to the candidate's scientific-professional curriculum as well as to documents certifying the qualifications and publications. If the research doctorate or the specialization diploma in the medical area represents a mandatory admission requirement for the selection, the following scoring rule will be applied to assessable qualifications and publications:

- qualifications and scientific professional curriculum	up to 15 points;
- publications	up to 25 points

In the other cases, the following scoring rule will be applied to assessable qualifications and publications:

- qualifications and scientific professional curriculum	up to 10 points;
- preferential qualifications (research doctorate or specialization diploma in the medical area)	up to 15 points;
- publications	up to 15 points.

Candidates are admitted to the interview only if the assessment results in a score equal to or greater than 10 points.

5. The test timetable is contained, where provided for, in Annex A to this Announcement. **Such a notice is equivalent to notification to all intents and purposes.**

6. In the absence of the notice in paragraph 5 above, the test timetable, with the indication of the relevant place of examination, will be notified to all the candidates concerned by e-mail with acknowledgement of receipt at least fifteen days before the day of the examination.

7. The interview is conducted in telematic mode (videoconferencing via SKYPE or similar), regardless of the distance from the usual residence or domicile for the tests indicated in Annex A, which are conducted in telematic mode.

8. For the tests referred to in Annex A, which involve taking place in attendance, the interview shall take place in a room open to the public. If the research program chosen by the candidate listed in Attachment A provides that the interview may be also held electronically (video-conferencing via SKYPE or similar), and

the candidate is resident or domiciled outside the Italian territory or resides or has his or her usual domicile over 300 km. away from the selection site, the interview may be held electronically, ensuring the identification of the candidate and the publicity of the test. Candidates who intend to make use of this method must declare this in their application for admission to the selection process and attach at least one letter of presentation from Italian or foreign Universities or Research Institutes.

9. A score of 60 points is attributed to the interview. Candidates are deemed to have passed the interview if they reach a minimum score of 42/60.

10. For procedures carried out electronically, at the end of the individual stages, the committee will publicize the results of the assessment of qualifications and the interview of each candidate by publication on the Department's website and simultaneous e-mail communication to candidates, or for procedures carried out in attendance at the end of the individual stages, the committee will publicize the results of the assessment of qualifications and the interview of each candidate by posting in the examination venue.

11. In order to be admitted to the interview, the candidates shall submit a valid identification document. In order to be admitted, the candidates who submit expired identification documents must declare at the bottom of the photocopy of the same that the data contained therein have not changed since the date of issue.

ART. 6

Selection Committee

Formation and approval of the classifications

1. The Selection Committee is composed of three university professors, also from other Universities. One of them at least must be a first or second level tenured professor. They are appointed by the Rector on a proposal from the concerned institute.

2. Once the tests have been carried out, the Committee will draw up the relevant classification through the sum of the score assigned to the qualifications and the score achieved by each candidate during the interview. Winners will be named on the basis of the number of fellowships announced.

3. The classification of merit is approved and the winner of the public selection declared by Rector's Decree.

4. If the holder of the fellowship is unable to carry out his/her task for any reason whatsoever, the classification of merit can be used.

5. The classification of merit is published on the web notice board in the website of the University of Genoa. Objections may be raised starting from the date of the above publication.

ART. 7

Awarding of the research fellowship

Research fellowships to non-EU citizens

1. The awarding of the research fellowship is formalized through the stipulation of a contract of private law between the University of Genoa and the winning candidates resulting from the classification of merit as per art. 6, paragraph 3 above, for the duration specified in *Annex A* to this Announcement as regards each research program, subject to ascertainment of the prescribed requirements.

2. The overall duration of the relations established following announcements issued according to the Italian Law no. 240 dated 30th December 2010, including any renewals, may not in any case exceed six years, excluding the period during which the fellowship was enjoyed together with the research doctorate, within the maximum limit of the legal duration of the relevant course.

3. The overall duration of the relations established with the holders of fellowships implemented following announcements issued according to the Italian Law no. 240 dated 30th December 2010, and of the contracts referred to in art. 24 of the same law, stipulated also with different state, non-state or telematic universities, as well as with the institutes referred to in art. 8, paragraph 1, with the same subject, may not in any case exceed twelve years, including non-continuous periods.

4. For the purpose of calculating the duration of the aforementioned relations, periods of leave due to maternity or health reasons will not be taken into account according to the regulations in force.

5. Upon contract stipulation, the winner shall sign the following declarations:

- that none of the impedimental conditions referred to in art. 11 applies to him/her;
- that he/she has no family or kinship relationship, up to and including the fourth degree, and is

not married, with a Professor belonging to the department or institute, where the research activity is performed, or with the Rector, General Director or a member of the Board of Directors of the University;

- being an employee of public administrations different from those referred to in art. 8, paragraph, 1, that he/she has been placed on unpaid leave;
- whether he/she has received a doctoral grant;
- whether he/she has already been holder of a research fellowship according to art. 22 of the Italian Law no. 240/2010;
- whether he/she has already been holder of a contract according to art. 24 of the Italian Law no. 240/2010.

6. Candidates who are citizens of non-EU countries may be awarded a research fellowship only if they are in possession of a residence permit for scientific research as per art. 27 *ter* of the Italian Legislative Decree no. 286/1998 and subsequent amendments. In such cases, the institute, which has required the fellowship, implements, by mutual consent with the competent offices of this Administration, the procedures aimed at achieving the above residence permit

7. The research fellowship is awarded to a non-EU citizen only upon conclusion of the procedure described in paragraph 6 above.

ART. 8

Personal requirements

1. The following are not eligible for research fellowships: employees of the universities, public research and experimentation institutes and bodies, the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) and the Italian Space Agency (ASI), as well as of the institutions whose scientific specialization diploma has been recognized equivalent to the doctoral degree, according to art. 74, paragraph 4, of the Italian Presidential Decree no. 382 dated 11th July 1980.

2. The research fellowship does not give rise to rights with respect to access to permanent employment at the university and in no way constitutes a subordinate working relationship.

3. An employee working for public administrations different from those referred to in paragraph 1 is placed on unpaid leave.

ART. 9

Economic and regulatory treatment

1. Financial charges arising from these selections are charged to the available funds of departments and centres. They must be transferred to the budget of the University, using, when necessary, any funds, even in the case of defaults or delays by any third parties, with six-monthly payments in advance.

2. The amounts of research fellowships are determined by the Board of Directors according to art. 1 of the Regulation for the awarding of research fellowships, taking into account the provisions of the regulations in force. The contract referred to in art. 7 contains the annual pre-tax amount of the research fellowship. This amount is paid according to monthly deferred instalments.

3. With respect to taxation, fellowships are subject to the provisions of art. 4 of the Italian Law no. 476, dated 13th August 1984, and with respect to social security, to those of art. 2, paragraph 26 and following, of the Italian Law no. 335 dated 8th August 1995, and subsequent amendments.

4. Variations in social security (INPS) rates restate year by year the cost established for the fellowship.

5. The University provides insurance cover according to the regulations in force.

ART. 10

Research fellowship holders' rights and duties

1. Fellowship holders perform their activity within research projects and in close connection with the realization of the same, under the direction of the scientific coordinator, autonomously and without set working times.

2. The fellowship holder is required to submit each year to the Board of the concerned institute a detailed report on the activity performed.
3. The fellowship holder may perform part of his/her research activity abroad:
 - a) if he/she is the beneficiary of a study grant, awarded by national or foreign institutions, in order to integrate the research activity with stays abroad;
 - b) if the research activity abroad is consistent with the research program to which he/she is contributing, upon authorization by the institute, on a grounded proposal from the scientific coordinator. In this case, a possible grant as partial reimbursement of travel expenses and stays abroad may be defined and paid by the reference institute.
4. The fellowship holder may take part in comparative assessment procedures for awarding contracts regarding the performance of didactic activities, both regular and integrative, provided that such activity is performed outside his/her commitment as fellowship holder, is compatible with the research activity and approved by the reference institute, as provided for in the relevant regulation of this University.
5. The fellowship holder may contribute articles, participate as speaker in seminars, meetings and conferences, perform guidance and tutorship activities and take part in Examining Boards in his/her capacity as a teaching assistant.
6. The fellowship holder may perform activities within a university spin-off, upon authorization by the scientific coordinator, as provided for in the relevant regulation of this University.
7. The fellowship holder may be introduced into clinical research teams, without any direct function regarding the patients' care and treatment, under the direct control of the scientific coordinator.

ART. 11

Prohibition of plurality of offices - Incompatibility

1. The research fellowship may not be accumulated with other study grants awarded for any reason, without prejudice to the provisions of art. 10, paragraph 3, lett. a).
2. The legal ownership of the research fellowship is not compatible with attendance of any university courses, specialist or second level degrees, research doctorates with grants, medical specialization, in Italy or abroad, and university master's degrees.
3. The legal ownership of the research fellowship is not compatible with employment relations, without prejudice to art. 8 paragraph 3, other collaboration contracts or income arising from freelance-professional activities continuously performed, unless this is a limited autonomous work activity to be performed upon authorization by the scientific coordinator, and provided that such activity does not interfere with the performance of the research activity nor lead to a conflict of interests with the University.

ART. 12

Absence from work

1. The following shall apply to research fellowships: provisions regarding the mandatory maternity leave, the provisions referred to in the Decree of the Italian Minister of Labour and Social Security dated 12th July 2007, published on the *Official Journal* (G.U.) no. 247 dated 23th October 2007, and, as regards sick leave, art. 1, paragraph 788, of the Italian Law no. 296 dated 27th December 2006, and subsequent amendments. During the mandatory maternity leave, the indemnity paid by the Italian National Institute of Social Security (INPS) according to art. 5 of the above Decree dated 12th July 2007 will be supplemented by the University up to the full amount of the research fellowship.
2. The financing of the research fellowship is suspended during the period of mandatory or optional maternity leave, or in cases of inability due to holder's illness for a period exceeding two months per year. In these cases, the duration of the contract will be extended for a period equal to that of the suspension. In all other cases of inability for periods exceeding two months per year, this University reserves the right to terminate the contract or suspend the relevant payment.

ART. 13

Document submission

1. In order to ascertain the prescribed requirements and taking into account the declarations, valid for an unlimited period, already resulting from the application for the admission to the selection, the winning candidate, being an Italian or EU citizen, will be required to submit to this University, within thirty days from the date when the contract was stipulated, the following documents:

- a) self-certification regarding the holding of citizenship, if more than six months have passed since the date of submission of the application;
- b) self-certification relevant to the positions in art. 7, paragraph 5.

2. Citizens of countries not belonging to the European Union regularly residing or authorized to reside in Italy shall submit, within thirty days as above, the self-certification referred to in paragraph 1, lett. a), if more than six months have passed since the submission of the application and the conditions in art. 4 have been met. The same citizens shall demonstrate to meet the requirements not covered by the abovementioned declaration through the submission of a proper certification.

3. Except for the cases referred to in the preceding paragraph, non-EU citizens shall submit within thirty days as above:

- a) a citizenship certification;
- b) a certification or attestation relevant to the positions referred to in art. 7, paragraph 5.

4. These documents are considered submitted in due time, even if they are sent by registered letter with acknowledgment of receipt within the abovementioned deadline. To this purpose, the postmark of the accepting postal office will serve as proof.

5. The fellowship holder will be required to rectify within 30 days from the date of receipt of the request any incomplete documents or documents containing retrievable errors, under penalty of termination of the contract.

ART. 14

Termination

1. The contract will terminate automatically at the end of the specified period.

2. The contract will terminate, as well, due to the following conditions:

- a) annulment of the public selection procedure;
- b) supervening impossibility of continuing the collaboration in research activity, without prejudice to the provisions of art. 12, paragraph 2;
- c) infringement of the rules of conduct provided for in art. 2, paragraph 3, of the Employee Code of Conduct of the University of Genoa, issued with Rector's Decree no. 1143 dated 27th February 2015, and implementing the Italian Presidential Decree no. 62 dated 16th April 2013.

3. The procedure to terminate the contract may be started, as requested by the scientific coordinator, also as a result of a serious breach by the fellowship holder.

4. The Administration will proceed to the termination of the contract following the relevant resolution by the Board of the reference institute of the fellowship holder. The Administration shall also take into account any grounded negative report, drawn up by the scientific coordinator of the research project, as regards the activity performed by the fellowship holder.

ART. 15

Processing of personal data

1. The personal data supplied by candidates will be collected by the University of Genoa, "Area Personale (Staff Area) – Servizio Personale Docente (Teaching Staff Department) Settore Gestione Stato Giuridico del Personale Docente e degli Assegnisti di ricerca (Management Legal Status Teaching Staff and Research Grants Sector)" and used for selection procedures as per Regolamento UE 2016/679 (GDPR – General Data Protection Regulation) and D.Lgs. n. 196 of 30/6/2003 (Personal Data Protection Code), as amended by the D.Lgs. No 101 of 10/8/2018.

ART. 16
Reference concerning the execution of the selection procedure

1. Any matters not provided for by this Announcement shall be governed by the provisions of the regulations referred to in the foreword and, in particular, those provided for by the “Regulation for the awarding of research fellowships” of the Rector’s Decree no. 6144 dated 27th July 2015, and subsequent modifications and integrations approved with the Rector’s Decree no. 2495 dated 6th June.2018; as well as those provided for by the Consolidated Text of legislative and regulatory provisions on administrative documentation of the Italian Presidential Decree no. 445/2000.

Genoa, 26.4.2021

THE RECTOR
Signed Prof. Federico Delfino

Responsible of the procedure: *Sandra Turbino*

RESEARCH PROGRAM NO. 1

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **11.06.2021** starting from **11:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Giovanni Alberti at the address e-mail: giovanni.alberti@unige.it, phone number + 39 010 353 6913.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Giovanni ALBERTI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Title: Mathematical analysis of inverse problems.

Description: The candidate will study inverse problems for partial differential equations using techniques of PDE theory, applied harmonic analysis (in particular compressed sensing) and machine learning.

Scientific disciplinary sector: MAT/05 ANALISI MATEMATICA

Place: Dipartimento di Matematica (DIMA)

Required degree: Laurea magistrale delle classi LM-17 Fisica, LM-18 Informatica, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'ingegneria, LM-82 Scienze statistiche.

Subjects of the interview: PDE, inverse problems, compressed sensing, machine learning.

The candidate will need to prove his/her knowledge of the english language.

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The interview: on **11.06.2021** starting from **12:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Giovanni Alberti at the address e-mail: giovanni.alberti@unige.it, phone number + 39 010 353 6913.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Giovanni ALBERTI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 27.133,00

Title: Harmonic analysis and inverse problems.

Description: The candidate will study inverse problems for partial differential equations using techniques of applied harmonic analysis, like sampling theory and compressed sensing.

Scientific disciplinary sector: MAT/05 ANALISI MATEMATICA

Place: Dipartimento di Matematica (DIMA)

Required degree: Laurea magistrale delle classi LM-17 Fisica, LM-18 Informatica, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'ingegneria, LM-82 Scienze statistiche.

Subjects of the interview: inverse problems, harmonic analysis, compressed sensing.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 3

The assessment criteria for the qualifications and the interview will be affixed on 08.06.2021 at 08:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 08.06.2021 at 11:30 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held on 08.06.2021 at 12:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Francesco Masulli via the email address: francesco.masulli@unige.it, phone number + 39 010 353 6604.

Scientific coordinator: Prof. Francesco MASULLI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: UE Progetto Erasmus+ KA2 (Capacity Building in the field of Higher Education) dal titolo “Developing Curricula for Artificial Intelligence and Robotics – DeCAIR”.

Title: Development of Computational Intelligence applications.

Description: Our research group participates in the Erasmus + KA2 (Capacity Building in the field of Higher Education) project entitled "Developing Curricula for Artificial Intelligence and Robotics - DeCAIR" that is aimed at developing curricula for artificial intelligence and robotics (AIR) through new bachelor's and master's programs in five universities in Jordan and Lebanon. This fellowship will concern the collaboration in the DeCAIR project through the development of case studies and computational intelligence prototypes with the aim of developing scientific collaborations with the universities of the partner countries and the European universities involved in the project and to operate the technology transfer towards the industries and communities of partner countries.

Scientific disciplinary sector: INF/01 INFORMATICA

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree: Laurea Magistrale delle classi: LM-17 Fisica, LM-18 Informatica, LM-25 Ingegneria dell'automazione, LM-27 Ingegneria delle telecomunicazioni, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica, LM-40 Matematica, LM-82 Scienze statistiche.

Subjects of the interview: Machine learning, deep learning, computational intelligence; Implementation of deep learning algorithms on GPU architectures; Programming of embedded systems and edge AI; Previous research activity.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 4

Publicity of criteria for the qualifications and the interview: on **08.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Lorenzo Rosasco at the address e-mail: lorenzo.rosasco@unige.it.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Lorenzo ROSASCO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Title: Machine learning and artificial intelligence in the energy market.

Description: The project aims at developing an efficient method for the representation and prediction of time signals for energy trading.

Specifically, the project requires the development and study of machine learning and artificial intelligence tools that will be tested on real data related to energy trading. The goal is to develop new solutions that can integrate existing trading methods in a robust and reliable way.

Scientific disciplinary sector: INF/01 INFORMATICA

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree: Laurea Magistrale delle classi LM-17 Fisica, LM-18 Informatica, LM-27 Ingegneria delle telecomunicazioni, LM-28 Ingegneria elettrica, LM-29 Ingegneria elettronica, LM-30 Ingegneria energetica e nucleare, LM-32 Ingegneria informatica, LM-33 Ingegneria meccanica, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'ingegneria, LM-82 Scienze statistiche, LM-83 Scienze statistiche attuariali e finanziarie.

Subjects of the interview: Machine learning, optimization, time series.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 5

Publicity of criteria for the qualifications and the interview: on **08.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Massimiliano Burlando at the address e-mail: massimiliano.burlando@unige.it, phone number +39 328 0881922.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Massimiliano BURLANDO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Comparison between full-scale and wind-tunnel experimentally produced downburst events.

Description: A very large experimental campaign on downburst winds has been carried out between 2017 and 2021 at the WindEEE Dome laboratory of the Western University in Canada. The physical simulations aimed at investigating the dynamics of downbursts and the interactions between downburst winds and their parent translating cumulonimbus cloud, as well as the atmospheric boundary layer. The focus of the present proposal is mainly put on the characterization of the near-surface horizontal wind originated from the dense and cold downward current impinging on the ground, which represents a serious hazard for low- and mid-rise buildings. The detailed analysis of the tests will allow to understand the physics of this phenomenon, which is very difficult to study thoroughly from full scale data, and concurrently to perform a comparison with full scale events to obtain an analytical model of thunderstorm-generated downbursts. Full-scale events will be measured using LiDAR profilers and scanners, which enable a detailed spatiotemporal reconstruction of the wind velocity field. The final goal will be to obtain, through the comparison between wind tunnel and full-scale experimental data, a downburst model to implement in structural design codes.

Scientific disciplinary sector: GEO/12 OCEANOGRAFIA E FISICA DELL'ATMOSFERA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree: Laurea magistrale delle classi LM-23 Ingegneria civile, LM-35 Ingegneria per l'ambiente e il territorio

Subjects of the interview: Fundamentals of Wind Engineering and Physics of the Atmospheric Boundary Layer. Experimental testing in wind tunnel. The downburst.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 6

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **16:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **11:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Luigi Minuto at the address e-mail: luigi.minuto@unige.it, phone number + 39 328 0170613.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Luigi MINUTO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: "PSR 2014-2020 sottomisura M16.01 "Aiuti per la costituzione e l'operatività dei gruppi operativi del PEI" - Progetto PSAMMbeach, capofila Confagricoltura Liguria - CUP G32C20001190009".

Title: Investigation and conservation of the psammophilous flora in Liguria.

Description: The current distribution of psammophilous plants and their conservation status will be investigated in Liguria. Within the project "PSAMMbeach" the candidate will collaborate to the monitoring and in ex situ and in situ conservation activities of endangered species. Dissemination activities to a wide public will be carried out to stimulate citizen science collaboration for the conservation of the beach florula.

Scientific disciplinary sector: BIO/02 BOTANICA SISTEMATICA

Place: Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV)

Required degree: Laurea magistrale della classe LM-60 Scienze della natura.

Subjects of the interview: Floristic surveys and monitoring techniques. Ex situ and in situ conservation activities. Floristic features of Liguria.

RESEARCH PROGRAM NO. 7

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **08:15** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **16:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Mauro Mariotti at the address e-mail: m.mariotti@unige.it phone number + 39 328 0170320.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Mauro MARIOTTI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: ALCOTRA-MONVER CUP D33F20000120006

Title: Professional training for the sustainable management and enhancement of gardens and public and private green areas in the ALCOTRA area (Project MONVER).

Description: The MONVER project is an international project that involves the Hanbury Botanical Gardens as leader and eight Italian and French partners (universities, research centers and training centers) in training activities for new graduates and individuals who need to retrain or re-enter the world of work through the garden and green supply chain, from the preparation of the basic material, to planning, management and promotion. This project is linked to the cross-border socio-economic matrix (France-Italy), characterized by horticultural production and a common network of historic gardens and green spaces that identify landscape, history, trade in goods and workers between the two countries. The required activity is project collaboration in relation to all project activities.

Scientific disciplinary sector: BIO/03 BOTANICA AMBIENTALE E APPLICATA

Place: Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV)

Required degree: Laurea magistrale delle classi LM-3 Architettura del Paesaggio, LM-6 Biologia, LM-57 Scienze dell'Educazione degli Adulti e della Formazione Continua, LM-60 Scienze della Natura, LM-69 Scienze e Tecnologie agrarie, LM-73 Scienze e Tecnologie Forestali ed Ambientali, LM-75 Scienze e Tecnologie per l'Ambiente e il Territorio.

Subjects of the interview: Elements of botany and plant production; elements of educational technologies and education science; elements of public administration; basic elements of information technology for communication.

The candidate will need to prove his/her knowledge of the french language.

RESEARCH PROGRAM NO. 8

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **09:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **18:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **09:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Enrica Roccotiello at the address e-mail: enrica.roccotiello@unige.it, phone number +39 340 6200906.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Enrica ROCCOTIELLO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: Programma di Sviluppo Rurale 2014/2020 - M16.1.A Sostegno alla creazione e al funzionamento di gruppi operativi del PEI - FA 2A; Domanda di aiuto n.12821 - 1349666|12/11/2019|R_MARCHE|GRM|AEA|A|300.20.110/2018/AEA/18; Verso un mercato del pomodoro “Ni-free” - Towards a Market of Ni-free Tomato (TOMATO).

Title: Ni-free tomato crops.

Description: The PSR TOMATO project measure 16.1, phase 2 aims to identify the practices that allow the production of tomato crops with a low nickel content. This high added value product will represent a consumable food also by the population allergic to this metal.

The research fellow will monitor in the field, in the four farms participating in the project, and in the greenhouse, under controlled conditions, tomato crops and related conditions that influence the uptake of metals from the soil with particular reference to nickel and all phytosanitary treatments or fertilizations that can influence its uptake. The fellow will also support activities carried out in synergy with the agronomists of Coldiretti (project coordinator) to study the phases of primary production on which to intervene with the aim of starting work to develop a dedicated production specification.

Scientific disciplinary sector: BIO/03 BOTANICA AMBIENTALE E APPLICATA

Place: Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV)

Required degree: Laurea magistrale della classe LM-6 Biologia.

Subjects of the interview: Mechanisms of metal accumulation in plants and possible exclusion via metal uptake. Crop plants of economic importance. Food nickel and nickel allergy. Tomato culture. Experiences on research topics.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 9

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **11:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **16:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Enrica Roccotiello at the address e-mail: enrica.roccotiello@unige.it, phone number +39 340 6200906.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Enrica ROCCOTIELLO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 31.015,00

Finanziamento: _ FET OPEN H2020, ECOLOPES - ECOlogical building enveLOPES: a game-changing design approach for regenerative urban ecosystems GRANT AGREEMENT NUMBER 964414.

Title: Ecological modelling of vegetation dynamics in the urban context.

Description: ECOLOPES (www.ecolopes.org) project proposes a radical change for city development: it aims at urbanisation to be planned and designed such that nature – including humans – can co-evolve within the city. The post-doc will model the dynamics of the plant component of the ecolope ecosystem (multi-species building envelope), building on existing data sets to feed the project database, and will work in collaboration with INRAE of Lyon-Grenoble, LESSEM-Ecosystems and Society in Mountains. The post-doc will adapt and parameterize the model FATE-HD, that simulates plant functional groups dynamics based on abiotic and biotic filtering. Plant traits, related to resource and abiotic requirements, life-cycle strategies, and human acceptance will be integrated at the plant functional group (PFG) level. PFG dynamics will be spatially and temporally modelled as a function of soil, architecture, abiotic conditions, animals, and human management.

Scientific disciplinary sector: BIO/03 BOTANICA AMBIENTALE E APPLICATA

Place: Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV)

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-60 Scienze della natura, LM-73 Scienze e tecnologie forestali ed ambientali, LM-75 Scienze e tecnologie per l'ambiente e il territorio.

Subjects of the interview: Potential and problems of the plant component within the urban ecosystem, nature-based solution, modelling of plant communities. Experiences on research topics.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 10

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **15:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **11.06.2021** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Marzia Bo at the address e-mail: marzia.bo@unige.it, phone number +39 333 4524150, +39 010 3538019.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Marzia BO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis of soft and hard bottom macrofauna of the ligurian coasts.

Description: Soft bottom macrofauna represents an optimal indicator to evaluate the environmental status of coastal benthic ecosystems, together with the identification of alien species. This information represents a key element in the monitoring plans proposed within the Marine Strategy Framework Directive of the European Union. The activities of the present contract include the sorting and taxonomical identification of soft-bottom macrofaunal samples obtained from various locations along the Ligurian coasts, and the taxonomical identification of specimens collected on natural and artificial hardgrounds in Ligurian harbors. In addition, it requires the taxonomical identification and the benthic coverage analysis of photographic images both of the sampled hardgrounds and the artificial substrata deployed to investigate the settling of benthic organisms. An additional output of these activities will be the production of a taxonomic field guide of the Ligurian Sea macrofauna, useful for future identification necessities.

Scientific disciplinary sector: BIO/05 ZOOLOGIA

Place: Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV)

Required degree: Laurea magistrale in biologia ed ecologia marina (interclass LM-6, LM-75).

Subjects of the interview: Knowledge in the fields of benthic zoology and ecology, and skills in benthic animals identification both in laboratory and via photo-imaging, and in calculation of species benthic coverage.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 11

Publicity of criteria for the qualifications and the interview: on **09.06.2021** at **11:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **16:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **10.06.2021** starting from **11:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Gianluca Damonte at the address e-mail: gianluca.damonte@unige.it, phone number + 39 010 3533023.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Gianluca DAMONTE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Structural characterization by mean of high performance liquid chromatography coupled to electrospray mass spectrometry (HPLC-ESI-MS) of fungal extracts. Evaluation of the biological activity of the fractions and compounds obtained by preparative HPLC.

Description: During the project, the structural characterization of the molecules present in fungal extracts will be carried out by means of high performance liquid chromatography coupled with low and medium resolution, full scan and tandem, electrospray mass spectrometry (HPLC-ESI-MS and MS/MS). The research will be carried out on wild strains of *Pleurotus Ostreatus* and domestic strains of this fungus grown on different substrates. Following the characterization of the crude extracts, the fractions, or pure compounds, obtained by chromatographic separation in the preparative scale, will be used to evaluate their potential nutraceutical / pharmacological activity on different cellular models.

Scientific disciplinary sector: BIO/10 BIOCHIMICA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea magistrale della classe LM-6 Biologia.

Subjects of the interview: The interview will be aimed at evaluating the candidate's knowledge of the extraction, chromatographic and spectrometric techniques useful to carry out the study on the fungal model.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 12

The assessment criteria for the qualifications and the interview will be affixed on 07.06.2021 at 09:00 in Dipartimento di Medicina Sperimentale (DIMES), lab. Oncologia Cellulare c/o CBA, Largo R. Benzi n.10, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 07.06.2021 at 12:00 in Dipartimento di Medicina Sperimentale (DIMES), lab. Oncologia Cellulare c/o CBA, Largo R. Benzi n.10, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held on 07.06.2021 at 14:00 in Dipartimento di Medicina Sperimentale (DIMES), lab. Oncologia Cellulare c/o CBA, Largo R. Benzi n.10, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Rodolfo Quarto, via the email address: rodolfo.quarto@unige.it, phone number +39 010 5558240.

Scientific coordinator: Prof. Rodolfo QUARTO

NO. 1 research fellowship - Duration 2 years – Annual pre-tax amount: € 19.367,00

Title: Development of micro/nano materials for bone regeneration.

Description: BONE++ project aims at the development of micro/nano materials for bone and osteochondral regeneration. Biomaterials shall be bioactivated by recombinant proteins and synthetic peptides in order to stimulate proliferation, migration and differentiation of mesenchymal cells.

The following experimental activities are planned: setting-up of the conditions needed to bioactivate the materials, active binding of proteins and peptides to the materials preserving their biological activities.

Scientific disciplinary sector: BIO/13 BIOLOGIA APPLICATA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea V.O. in Biotecnologie indirizzo Biotecnologie mediche, Scienze biologiche, Chimica e Tecnologie Farmaceutiche o Chimica e tecnologia farmaceutiche, Medicina e Chirurgia; Laurea specialistica delle classi 6/S Biologia, 9/S Biotecnologie mediche, veterinarie e farmaceutiche, 14/S Farmacia e farmacia industriale, 46/S Medicina e chirurgia; Laurea Magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale, LM-41 Medicina e chirurgia.

Subjects of the interview: Biomaterials. Stem cells. Biology and pathology of bone and cartilage. Purification and characterization of Extracellular Matrix proteins.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 13

The assessment criteria for the qualifications and the interview will be affixed on 08.06.2021 at 09:00 in Dipartimento di Medicina Sperimentale (DIMES), lab. Oncologia Cellulare c/o CBA, Largo R. Benzi n.10, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 08.06.2021 at 12:00 in Dipartimento di Medicina Sperimentale (DIMES), lab. Oncologia Cellulare c/o CBA, Largo R. Benzi n.10, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held on 08.06.2021 at 14:00 in Dipartimento di Medicina Sperimentale (DIMES), lab. Oncologia Cellulare c/o CBA, Largo R. Benzi n.10, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Rodolfo Quarto, via the email address: rodolfo.quarto@unige.it, phone number +39 010 5558240.

Scientific coordinator: Prof. Rodolfo QUARTO

NO. 1 research fellowship - Duration 2 years – Annual pre-tax amount: € 27.133,00

Title: Biological effects of micro/nano materials for bone regeneration.

Description: BONE++ project aims at the development of micro/nano materials for bone and osteochondral regeneration. Biomaterials shall be bioactivated by recombinant proteins and synthetic peptides in order to stimulate proliferation, migration and differentiation of mesenchymal cells.

The following experimental activities are expected: evaluation of the biological activity of materials bioactivated by proteins and peptides with specific interest in gene expression and differentiation of mesenchymal cells.

Scientific disciplinary sector: BIO/13 BIOLOGIA APPLICATA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea V.O. in Biotecnologie indirizzo Biotecnologie mediche, Scienze biologiche, Chimica e Tecnologie Farmaceutiche o Chimica e tecnologia farmaceutiche, Medicina e Chirurgia; Laurea specialistica delle classi 6/S Biologia, 9/S Biotecnologie mediche, veterinarie e farmaceutiche, 14/S Farmacia e farmacia industriale, 46/S Medicina e chirurgia; Laurea Magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale, LM-41 Medicina e chirurgia.

Subjects of the interview: Biomaterials. Stem cells. Biology and pathology of bone and cartilage. Purification and characterization of Extracellular Matrix proteins. Gene expression analysis.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 14

Publicity of criteria for the qualifications and the interview: on **09.06.2021** at **10:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **14:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.06.2021** starting from **15:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Milanese Marco at the address e-mail: milanese@difar.unige.it, phone number +39 347 9137589.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Marco MILANESE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: In-vitro characterization of the different phenotypes of CNS cells involved in amyotrophic lateral sclerosis.

Description: Amyotrophic lateral sclerosis (ALS) is a fatal neurodegenerative disease characterized by the progressive death of motor neurons (MNs). The pathogenesis of ALS is not fully understood, and the discovery of effective therapies remains an open challenge. In vitro and in vivo studies show that damage and degeneration of MNs is sustained not only by phenomena that directly involve these cells, but also by pathological alteration of other surrounding non-neuronal cells such as astrocytes, microglia and oligodendrocytes. It is therefore crucial to understand the role of distinct CNS cells in ALS. The general objective of the project is to study, during different phases of the disease, the pathological phenotype of astrocytes, microglia and oligodendrocytes, with particular interest in metabolic, functional as well as molecular aspects, aimed at identifying specific pathological traits that can be associated with the etiopathogenesis of ALS and therefore represent both diagnostic indicators and possible therapeutic targets.

Scientific disciplinary sector: BIO/14 FARMACOLOGIA

Place: Dipartimento di Farmacia (DIFAR)

Required degree: Laurea Magistrale della classe LM-13 Farmacia e Farmacia Industriale.

Subjects of the interview: Techniques for breeding and managing a transgenic mouse colony. Dissection techniques of brain parts of small rodents. Techniques for the purification of subcellular particles of neuronal and glial origin. Techniques for the preparation of primary cultures of neurons, astrocytes, microglia and oligodendrocytes. Techniques for the evaluation of ex-vivo neuronal and glial transmission. Techniques for the characterization of mRNA and protein expression in cellular and subcellular preparations. In-vivo treatments and behavioral techniques related to disease progression in SOD1G93A mice.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 15

The assessment criteria for the qualifications and the interview will be affixed on 07.06.2021 at 15:00 in Dipartimento di Medicina Sperimentale (DIMES), Sezione Istologia, Via G.B. Marsano 10, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 09.06.2021 at 13:30 in Dipartimento di Medicina Sperimentale (DIMES), Sezione Istologia, Via G.B. Marsano 10, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held on 11.06.2021 at 10:00 in Dipartimento di Medicina Sperimentale (DIMES), Sezione Istologia, Via G.B. Marsano 10, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof.ssa Simona Sivori, via the email address: simona.sivori@unige.it, phone number +39 349 6711515.

Scientific coordinator: Prof.ssa Simona SIVORI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis of the phenotypic and functional characteristics of human NK cells in the tumor microenvironment.

Description: The project aims to characterize human NK cells infiltrating tumors, in comparison to circulating NK cells, particularly by assessing the expression and function of inhibitory checkpoints and the presence of peculiar subpopulations such as memory NK cells. The latter are particularly long-living and show increased ability to kill tumors using the antibody-mediated cytotoxicity mechanism (ADCC). During tumor development, NK cells undergo phenotypic and functional alterations that decrease their anti-tumor activity. As part of the potential exploitation of NK cells in immunotherapy it is important to know in detail the mechanisms that lead to this hypofunction, in order to restore proper functioning. This study will therefore be useful in identifying possible new cancer treatment approaches based on enhancing the activity of different NK cell subsets populating the tumor microenvironment.

Scientific disciplinary sector: BIO/17 ISTOLOGIA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche.

Subjects of the interview: 1) Human Natural Killer cells; 2) Immunology of tumors; 3) Tumor microenvironment. It will be preferable to have gained previous experience in the field of multi-parametric cytofluorimetric analysis, human tumor biopsies biostatistical processing, analysis and/or microscopy.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 16

Publicity of criteria for the qualifications and the interview: on **09.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Mario Amore at the address e-mail: mario.amore@unige.it, phone number + 39 010 3537662.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Mario AMORE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 27.133,00

Finanziamento: PRIN 2017 - Factors influencing real-life functioning of people with a diagnosis of schizophrenia: a four-year follow-up multicenter study.

Title: Factors influencing real-life functioning of people with a diagnosis of schizophrenia: a four-year follow-up multicenter study.

Description: Improving real-life functioning is the main goal of the most advanced integrated treatment programs in people with schizophrenia. The Italian Network for Research on Psychoses highlighted the role of cognitive functions as a main goal to improving real-life functioning in schizophrenic subjects. Considering that sensory perceptual-cognitive processes are crucial in daily life activities, we might expect that their alterations would have a high impact in real-life functioning of schizophrenic subjects. The aim of the study is to assess the sensory processes in schizophrenia using EEG, MRI e fMRI, in order to assess possible sensory alterations and their neurobiological correlates linked to cognitive alterations (impulsive traits, attention deficits).

Scientific disciplinary sector: MED/25 PSICHIATRIA

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree: Laurea magistrale delle classi LM-21 Ingegneria biomedica, LM-29 Ingegneria elettronica.

Subjects of the interview: Clinical, social and neurobiological correlates of schizophrenia. Clinical dimensions and sensory aspects that influence the course in real life.

Theoretical knowledge and professional activities carried out concerning the following topics:

- Skills in the development of fMRI tasks
- fMRI data analysis
- EEG data analysis
- MRI data analysis
- Work experience and skills in the field of neurophysiological correlates of psychiatric or sensory disorders
- Work experience and skills in the study of attentional functions and impulsiveness.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 17

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **09:00** The interview will take place, in any case, electronically (video conference via TEAMS) by contacting Prof. Mohamad Maghnie at the address e-mail: Mohamad.Maghnie@unige.it, phone number +39 348 7801090.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Mohamad MAGHNIE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Title: Endocrine and morpho-functional evaluation of central nervous system in congenital hypopituitarism. Correlations of Neuropsychological and Functional Profiles with fMRI - 3T.

Description: The aim of the research is to evaluate the Neuropsychological and Functional profiles in children, adolescents with congenital hypopituitarism and ectopic posterior pituitary (PPE). This includes the analysis of Higher Cognitive Functions (Attention, Memory, Cognitive Functions, Learning Skills and Language) and a description of an average IQ profile. The patients included in the study will undergo a neuroradiological study using functional magnetic resonance 3 TESLA (fMRI-3T), for cortical activation studies, DTI (diffusion tensor study) and cerebral perfusion with non-invasive method (ASL-arterial spin labeling) in order to correlate the psychodiagnostics data with the neuroradiological phenotype.

Scientific disciplinary sector: MED/38 PEDIATRIA GENERALE E SPECIALISTICA

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree: Laura Magistrale della classe LM-51 Psicologia.

Subjects of the interview: Congenital hypopituitarism and endocrine consequences – Congenital hypopituitarism and neurocognitive outcomes – Anatomy and function of normal cognitive development – Methods of assessment of neurocognitive function.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 18

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **09:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Stefano Volpi at the address e-mail: stefanovolpi@gaslini.org, phone number +39 010 56363534.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Stefano VOLPI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: PRIN (n.20175XHBPN) Advanced genetic engineering to study and treat monogenic diseases.

Title: Advanced genetic engineering to study and treat monogenic diseases.

Description: Despite the promises of gene editing to transform the field of hematopoietic stem cell gene therapy, several challenges remain to be overcome before its clinical development. One of the main limitations is the poor efficiency of the current genetic editing protocols based on homologous recombination. The project aims to test new genetic engineering strategies with to develop in vitro models based on induced pluripotent stem cell (iPS) technology to study the pathogenesis and to improve the therapeutic intervention in an hereditary inflammatory disease, STING activated Vasculopathy with onset in infancy (SAVI), for which a conventional gene therapy approach cannot be used.

Scientific disciplinary sector: MED/38 PEDIATRIA GENERALE E SPECIALISTICA

Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI)

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-21 Ingegneria biomedica, LM-41 Medicina e chirurgia.

Subjects of the interview: Methods for cell culture, generation of iPS cell lines, principal strategies for gene editing.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 19

Publicity of criteria for the qualifications and the interview: on **09.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Luca Ferraris at the address e-mail: luca.ferraris@cimafoundation.org.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Luca FERRARIS

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: Progetto EUREC4A-OA.

Title: Evaluating ocean-atmosphere energy exchanges at small-scales in tropical area using WRF high-resolution simulation in the EUREC4A-OA project.

Description: Better understanding of the coupling of the ocean and atmosphere offers the opportunity to evaluate and improve an emerging generation of coupled models capable of resolving phenomena on scales of a few kilometers. The Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC, US) and the Ocean-Atmosphere component of EUREC4A (EUREC4A-OA, Europe) initiatives take advantage of the complementary existing international EUREC4A intensive atmospheric field campaigns taking place during 6 weeks in January-February 2020 to address the Northwest Tropical Atlantic Ocean-atmosphere interactions at the mesoscale and their relation to the regional OBL (Ocean Boundary Layer), air-sea interactions and atmospheric shallow-convection. The CIMA Foundation will focus in particular on the execution of meteorological simulations with high spatial and temporal resolution including sensitivity analysis about aerosols and microphysics parameterizations impact. This activity will be part of this research grant.

Scientific disciplinary sector: ICAR/02 COSTRUZIONI IDRAULICHE E MARITTIME E IDROLOGIA

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree: Laurea magistrale delle classi LM-17 Fisica, LM-35 Ingegneria per l'ambiente e il territorio, LM-44 Modellistica matematico-fisica per l'ingegneria.

Subjects of the interview: high-resolution atmospheric modeling, tropical meteorology, knowledge of super computing and cloud computing platforms.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 20

Publicity of criteria for the qualifications and the interview: on **04.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Giovanna Franco at the address e-mail: giovanna.franco@unige.it, phone number +39 010 2095753.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Giovanna FRANCO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Progetto “CONSECH20 - CONSERVATION of 20th century concrete Cultural Heritage in urban changing environments” finanziato nell’ambito dell’iniziativa internazionale JPICH Heritage Changing Environments Call 2017. CUP di progetto: D34I18000240005

Title: 20th Century Heritage: hazards, strategy for enhancement and inclusion.

Description: The research is in continuity with the work started in the framework of the participation in the European project JPI Cultural Heritage Consec20, dedicated to the valorisation of early 20th century architecture in Genoa and Liguria. On these objects it is intended to implement the diagnostic study on the state of conservation and enhancement strategies that can include the active participation of citizens. Specific actions will also be developed for the communication of the values inherent in these architectures, also with a view to their future reuse.

Scientific disciplinary sector: ICAR/12 TECNOLOGIA DELL'ARCHITETTURA

Place: Dipartimento Architettura e Design (DAD)

Required degree: Laurea V.O. in Architettura; Laurea specialistica della classe 4/S Architettura e ingegneria edile; Laurea magistrale della classe LM-4 Architettura e ingegneria edile-architettura.

Subjects of the interview: Technology and constructive analysis of traditional and contemporary buildings. Recovery of existing buildings and architectural and urban values. Analysis of diseases and disruptions of traditional and contemporary architecture. Methodological framework on renovation processes. Consolidation techniques. Digital culture and innovation in the architectural design process and role of ICT in renovating built heritage.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 21

Publicity of criteria for the qualifications and the interview: on **04.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.06.2021** at **17:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.06.2021** starting from **17:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Stefano Francesco Musso at the address e-mail: stefanofrancesco.musso@unige.it, phone number +39 010 209 5754, + 39 320 4999770.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Stefano Francesco MUSSO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: Progetto “CHARTER - Cultural Heritage Actions to Refine Training, Education and Roles” finanziato nell’ambito del Programma ERASMUS+ 2019 EPPKA2 - Cooperation for innovation and the exchange of good practice - Sector Skills Alliances – Blueprint for sectoral cooperation.

Title: The architect for the protection, conservation and restoration of the Architectural and Landscape Heritage. Training paths, skills, perspectives.

Description: The project involves the critical collection and processing of descriptive and quantitative data relating to educational and training courses for the protection, conservation and restoration of the architectural and landscape cultural heritage, in the Italian schools of Architecture, according to the formats that will be gradually established European partners of the CHARTER project, as well as participation in the related Work-Packages in which UNIGE is engaged.

Scientific disciplinary sector: ICAR/19 RESTAURO

Place: Dipartimento Architettura e Design (DAD)

Required degree: Laurea V.O. in Architettura; Laurea specialistica della classe 4/S Architettura e ingegneria edile; Laurea magistrale della classe: LM-4 Architettura e ingegneria edile-architettura.

Subjects of the interview: Training courses in architecture schools in the field of architectural and landscape heritage protection, in Italy and in Europe: requirements, skills, curricula. The role and organization of the Specialization Schools in Architectural and Landscape Heritage. The protection system in Italy. IT knowledge for the use of databases and interactive platforms for research management.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 22

Publicity of criteria for the qualifications and the interview: on **11.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **11.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **11.06.2021** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Tomaso Gaggero at the address e-mail tomaso.gaggero@unige.it.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Tomaso GAGGERO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: LIFE PIAQUO GA LIFE18 ENF7FR/000308.

Title: Numerical and experimental analysis of ship underwater radiated noise in the framework of LIFE PIAQUO project.

Description: As part of the LIFE PIAQUO project, the research fellow will be involved in the study of underwater noise radiated by naval units. Part of the activity will focus on the study of the noise generated by the propeller with numerical studies of noise simulation and experimental cavitation tunnel studies. The experimental activity will also consist in processing and analyzing the collected data. Another part of the activity will focus on the study of a model for the prediction of the overall noise radiated by the ship starting from on-board vibration measurements.

Scientific disciplinary sector: ING-IND/02 COSTRUZIONI E IMPIANTI NAVALI E MARINI

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree: Laurea V.O. in Ingegneria Navale, Matematica, Fisica, Ingegneria aerospaziale, Ingegneria delle telecomunicazioni; Laurea Specialistica delle classi: 30/S Ingegneria delle telecomunicazioni, 31/S Ingegneria Elettrica, 37/S Ingegneria navale, 50/S Modellistica matematico-fisica per l'ingegneria; Laurea Magistrale delle classi LM-27 Ingegneria delle telecomunicazioni, LM-28 Ingegneria Elettrica, LM-34 Ingegneria navale (Yacht Design), LM-44 Modellistica matematico-fisica per l'ingegneria.

Subjects of the interview: ship underwater noise; signal processing; data analysis.

RESEARCH PROGRAM NO. 23

Publicity of criteria for the qualifications and the interview: on **08.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Tomaso Gaggero at the address e-mail tomaso.gaggero@unige.it.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Tomaso GAGGERO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: PON-RI ISYPORT ARS01_01202.

Title: Navigation risk assessment in port areas.

Description: As part of the ISYPORT project, the research fellow will be involved in the study of the maritime traffic of some ports in order to study the risk of the approach routes to the port. In a first phase it will have to carry out statistical studies on traffic entering and leaving ports. In a second phase he will have to study the response of typical ships to external forcing such as wind, current and waves in order to develop hazard maps of the approach routes in function of the weather, the traffic intensity and the geometric characteristics of typical ships identified by the above mentioned statistical study.

Scientific disciplinary sector: ING-IND/02 COSTRUZIONI E IMPIANTI NAVALI E MARINI

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree: Laurea V.O. in Ingegneria Navale, Ingegneria Civile, Ingegneria per l'ambiente e il territorio; Laurea Specialistica delle classi 28/S Ingegneria Civile, 37/S Ingegneria navale, 38/S Ingegneria per l'ambiente e il territorio; Laurea Magistrale delle classi LM-23 Ingegneria Civile, LM-24 Ingegneria dei sistemi edilizi, LM-26 Ingegneria della sicurezza, LM-34 Ingegneria navale (Yacht Design), LM-35 Ingegneria per l'ambiente e il territorio.

Subjects of the interview: risk assessment; seakeeping; maneouverability.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 24

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **13:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Alessandro Bottaro at the address e-mail: alessandro.bottaro@unige.it, phone number + 39 010 3352540.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Alessandro BOTTARO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 27.133,00

Title: Design of stages of highly loaded compressors at large Mach number for heavy duty applications.

Description: The research activity is aimed at defining best practices for the design of high Mach number and high aerodynamic load front stages of compressor. In particular, it is of interest to AEN to define customized blade profiles aimed at limiting aerodynamic losses or, more generally, to develop design criteria that allow a high specific flow rate at the compressor inlet without compromising aerodynamic efficiency. The research activity will be mainly based on numerical methods such as ThroughFlow codes and 3D RANS solvers (Reynolds Averaged Navier-Stokes). AEN will make available to the research fellow both the CFD codes (solver, tools for creating the grid, post-processing, etc.) and the HPC cluster.

Deliverables: Technical report on the activities carried out for the definition of best practices for the design of compressor stages with high Mach number and high aerodynamic load.

Scientific disciplinary sector: ING-IND/06 FLUIDODINAMICA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree: Laurea Magistrale della classe LM-33 Ingegneria Meccanica.

Subjects of the interview: Fluid dynamics, aerodynamics, turbomachines.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 25

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Andrea Mazzino at the address e-mail: andrea.mazzino@unige.it, phone number +39 320 4342416.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Andrea MAZZINO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Meteorological models for the wind field forecasting for energy purposes, for the extreme precipitation and statistical strategies of calibration.

Description: The project aims at the implementation of a meteorological model at very high resolution (up to a few hundred meters, LES/RANS mode) for the prediction of the wind and precipitation field in complex orography. The outputs of the model will be compared with observed data through which to perform a statistical calibration, also by means of artificial intelligence strategies.

Scientific disciplinary sector: ING-IND/06 FLUIDODINAMICA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree: Dottorato di ricerca in Fisica o Ingegneria.

Subjects of the interview: Weather meteorological modeling, statistical calibration methods, foundations of atmospheric physics, fundamentals of cloud microphysics.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 26

The assessment criteria for the qualifications and the interview will be affixed on 08.06.2021 at 14:00 in Dipartimento di ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), sezione MASET, Viale Cambiaso 4, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 08.06.2021 at 17:00 in Dipartimento di ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), sezione MASET, Viale Cambiaso 4, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held on 08.06.2021 at 17:30 in Dipartimento di ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), sezione MASET, Viale Cambiaso 4, Genova.

Such a notice is equivalent to notification to all intents and purposes. All the candidates, who have not received notification of their exclusion, must sit for the exam, without prior notice, at the examination centre.

Scientific coordinator: Prof. Alberto TRAVERSO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Analysis and optimization of sustainable energy systems for smart grids and remote areas.

Description: In the field of distributed power generation, the analysis of performance in off-design conditions and in dynamic conditions of energy systems is becoming increasingly important, particularly when inserted in intelligent grids (smart grids) or in remote contexts, where the impact of uncontrollable renewables (eg photovoltaic, wind) poses great problems of regulation, accumulation and management of the grid. Starting from existing models of time-variant analysis of polygenerative networks, the research activity will focus on specific applications both in the European context and in the context of international cooperation. The goal is the optimal sizing, which takes into account typical production / consumption profiles, of energy generation and storage systems.

Scientific disciplinary sector: ING-IND/09 SISTEMI PER L'ENERGIA E L'AMBIENTE

Place: Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME)

Required degree: Laurea V.O. in Ingegneria Meccanica; Laurea Specialistica della classe 36/S Ingegneria meccanica; Laurea Magistrale della classe LM-33 Ingegneria meccanica

Subjects of the interview: Energy systems, power plants, gas turbines, dynamics and control of energy systems, performance optimization, environmental impact, renewable energy sources.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 27

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **08:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **11:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Barbara Bosio at the address e-mail: barbara.bosio@unige.it, phone number +39 340 8844029.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Barbara BOSIO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Production and testing of lab-scale molten carbonate fuel cells.

Description: The main objective of the research project is the experimental development of molten carbonate fuel cells: optimization of materials and production processes, performance tests and identification of kinetic parameters. The activity will involve the construction and assembly of electrodes and matrices, as well as their electrochemical characterization using IV curves, EIS analysis and microstructural investigations. The project is included in a development plan in collaboration with a company and aimed at specific industrial applications.

Scientific disciplinary sector: ING-IND/23 CHIMICA FISICA APPLICATA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree: Laurea magistrale delle classi LM-22 Ingegneria chimica, LM-28 Ingegneria elettrica, LM-53 Scienza e ingegneria dei materiali, LM-54 Scienze chimiche.

Subjects of the interview: Fundamentals of electrochemistry. Operation and properties of high temperature fuel cells, specifically of molten carbonate fuel cells. Main experimental techniques related to the production, characterization and testing of fuel cells.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 28

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **15:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.06.2021** starting from **18:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Barbara Bosio at the address e-mail: barbara.bosio@unige.it, phone number +39 340 8844029.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. ssa Barbara BOSIO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Title: Modelling and experimentation of molten carbonate fuel cells.

Description: The main objective of the research project is the optimization of the technology related to molten carbonate fuel cells on the basis of both modelling and experimental activities. The modelling, carried out at different levels of detail, from the electrode to the system scale, is to be validated on the basis of experimental data to be obtained in laboratory test facilities. The project is included in a development plan in collaboration with a company and aimed at specific industrial applications.

Scientific disciplinary sector: ING-IND/23 CHIMICA FISICA APPLICATA

Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)

Required degree: Dottorato di ricerca in settori affini all'Ingegneria Chimica, Ambientale o Energetica, alle Scienze Chimiche e dei Materiali.

Subjects of the interview: Operation and properties of high temperature fuel cells, specifically of molten carbonate fuel cells. Main electrochemical experimental techniques. Process modelling principles and tools.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 29

Publicity of criteria for the qualifications and the interview: on **08.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **13:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.06.2021** starting from **09:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Stefano Massucco at the address e-mail: stefano.massucco@unige.it, phone number +39 329 2106116.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Stefano MASSUCCO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Methodologies and tools for energetic analysis of buildings, university structures and districts.

Description: The research will be developed inside a Working Group of Genova University for the intelligent management of energetic consumptions. Methodologies, audit and tools will be proposed and used with the aim of identifying guidelines for energy saving in buildings, university structures and districts. Demand management techniques will be investigated.

Scientific disciplinary sector: ING-IND/33 SISTEMI ELETTRICI PER L'ENERGIA

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree: Laurea specialistica delle classi 31/S Ingegneria Elettrica, 36/S Ingegneria meccanica; Laurea magistrale delle classi LM-22 Ingegneria Chimica, LM-28 Ingegneria Elettrica, LM-30 Ingegneria energetica e nucleare, LM-33 Ingegneria Meccanica.

Subjects of the interview: Electrical and thermal energetic analysis for structures like civil, university buildings and districts. Subjects related to liberalised energy markets, contractual aspects and tariffs. Basic tools for modelling and simulation. Demand management.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 30

Publicity of criteria for the qualifications and the interview: on **08.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **08.06.2021** at **13:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Alessandro De Gloria at the address e-mail: alessandro.degloria@unige.it, phone number +39 348 3053860.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Alessandro DE GLORIA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Title: Development of Machine Learning model for autonomous driving data.

Description: The research project deals with the application of machine learning techniques (deep learning methods) to identify predictive models from complex and heterogeneous data. The main objectives will be to define such methods for data coming from autonomous cars sensors.

Scientific disciplinary sector: ING-INF/01 ELETTRONICA

Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree: Laurea Magistrale della classe LM-29 Ingegneria Elettronica.

Subjects of the interview: Machine learning methods; deep learning; applications in the automotive context.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 31

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Pierpaolo Baglietto at the address e-mail: pierpaolo.baglietto@unige.it, phone number +39 010 3352203.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Pierpaolo BAGLIETTO

NO. 1 research fellowship - Duration 6 months – pre-tax amount: € 15.507,50

Title: Field Validation of an Hyperledger enabled Distributed Data Space.

Description: Field validation of a software platforms, based on the Data Distribution Systems and Permissioned Blockchain technologies applied to the management and the distribution of data related to the logistics and sea ports processes, to the tracing of goods in real time, to the automated exchange of documents. A specific attention will be dedicated to the analysis of the Data Distribution related to the requirements for transparency, tracing, security, availability in real time and trust of data.

The activity will be also oriented to the use of exchange and distribution systems based on tables and their simple and dynamic integration with information systems and office automation tools.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree: Laurea Magistrale della classe LM-32 Ingegneria informatica.

Subjects of the interview: Computer programming with Java JEE e C# frameworks. Design and development of distributed software platforms based on the Distributed Ledger technologies. Paradigms and standards for the integration of systems at the application level, protocols platform s and open standards in the field of the Internet of Things and of Service Composition. Software Platforms for virtualization and scalability.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 32

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **09:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.06.2021** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Antonio Sgorbissa at the address e-mail: antonio.sgorbissa@unige.it, phone number +39 320 4218938.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Antonio SGORBISSA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23.250,00

Finanziamento: DIONISO - Tecnologie innovative di domotica sismica per la sicurezza di edifici ed impianti.

Title: DIONISO Élan-Drone – teams of autonomous drones for a new social impact of robotic technologies.

Description: The project lies in the context of pre-operative or postoperative intervention in emergency scenarios, where rescue teams or the civil protection need to periodically monitor or survey different critical targets located in various places taking as little time as possible. These targets could be, for instance, fields or woods whose dryness shall be periodically assessed to prevent fires, soil slopes whose stability shall be monitored before or after floods, critical infrastructure (hospitals, schools, roads, bridges, etc.) whose risk shall be evaluated after an earthquake. In most cases the maximum drone flight time is not sufficient to visits all targets. For these reasons, the proposed approach aims at involving citizens in the monitoring process, by introducing the new concepts of Social Drone Sharing. Through a software architecture, it will be possible to manage the drones and coordinate their flight plans depending on the type of scenario, and to involve resident volunteers to prepare the landing spot and to recharge the batteries if the drone lands on their property.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

Place: Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS)

Required degree: Laurea specialistica delle classi 23/S Informatica, 32/S Ingegneria elettronica, 35/S Ingegneria informatica; Laurea Magistrale delle classi LM-18 Informatica, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica.

Subjects of the interview: Basic knowledge in programming autonomous intelligent systems and/or robotic systems.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 33

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **10.06.2021** starting from **11:00** The interview will take place, in any case, electronically (video conference via Teams, codice: q0xvar3) by contacting Prof. Clario Di Fabio at the address e-mail: clario.difabio@unige.it.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Clario DI FABIO

NO. 1 research fellowship - Duration 2 years – Annual pre-tax amount: € 23.250,00

Finanziamento: FIS2019_05012 MemId Memoria e identità. Riuso, rilavorazione e riallestimento della scultura medievale in Età moderna, tra ricerca storica e nuove tecnologie.

Title: Investigations on reuse, reworking and rearrangement of medieval sculpture in the modern age in the Genoese and Ligurian areas; general operational coordination (research, database, final conference, proceedings).

Description: The study approach proposed in this project requires a capacity for complex problem analysis and the use of multiple sources and tools, which the researcher must be able to communicate in a profitable way. The use of information and digital technologies will offer the possibility of conveying the results of research into a horizon of effective communication and will significantly expand the skills and awareness of young researchers involved in the new horizons and new technological tools available today for humanistic research. The two-year researcher to be recruited, who will have operational coordination tasks towards his other colleagues, will be chosen on the basis of specific skills in the research topic and, given the collaborative nature of the project, also on the basis of the ability to coordinate an interdisciplinary team. Heading to the scientific director, he will first of all engage in field research, for the preliminary development of a census of case studies. The collected cases will be transferred to a specific database. The data will then be analyzed with the traditional tools of philology, and will finally be processed in graphic and 3D visualizations. The two-year research fellow will also have the task of coordinating the dissemination of research results.

Scientific disciplinary sector: L-ART/01 STORIA DELL'ARTE MEDIEVALE

Place: Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS)

Required degree: Dottorato di ricerca in Storia dell'Arte Medievale o equivalenti.

Subjects of the interview: The interview will verify: knowledge about the Italian, Genoese and Tuscan artistic culture of the 12th-15th centuries; knowledge of the Italian, Genoese and Tuscan sculpture of the 12th-15th centuries; knowledge about the cases and issues of reuse of medieval works of art in the post-medieval-modern age; the skills in the field of research methodologies applied to the specific problems of reuse in the geographical areas considered by the project.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 34

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.06.2021** at **14:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **10.06.2021** starting from **09:00** The interview will take place, in any case, electronically (video conference via Teams, codice: q0xvar3) by contacting Prof. Clario Di Fabio at the address e-mail: clario.difabio@unige.it.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Clario DI FABIO

NO. 2 research fellowships - Duration 1 year – Annual pre-tax amount: € 23.250,00

Finanziamento: Progetto FISR2019_05012 MemId Memoria e identità. Riuso, rilavorazione e riallestimento della scultura medievale in Età moderna, tra ricerca storica e nuove tecnologie.

Title: Investigations on reuse, reworking and rearrangement of medieval sculpture in the modern age in the Genoese, Ligurian and Tuscan areas; collaboration in research and database, in the final conference, in the proceedings.

Description: The study approach proposed in this project requires a capacity for complex problem analysis and the use of multiple sources and tools, which the researcher must be able to communicate in a profitable way. The use of information and digital technologies will offer the possibility of channeling research results into a horizon of effective communication and will significantly expand the skills and awareness of young researchers involved in the new horizons and new technological tools currently available to humanistic research. The researchers to be recruited will therefore be chosen on the basis of specific skills in the research topic and, given the collaborative nature of the project, also on the basis of the ability to work in an interdisciplinary team. Coordinated by the scientific managers, they will first of all engage in field research, for the preliminary development of a census of case studies. The collected cases will be transferred to a specific database. The data will then be analyzed with the traditional tools of philology, and will finally be processed in graphic and 3D visualizations. The fellows will also have the task of participating with a scientific and organizational role in the dissemination of research results.

Scientific disciplinary sector: L-ART/01 STORIA DELL'ARTE MEDIEVALE

Place: Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS)

Required degree: Dottorato di ricerca in Storia dell'Arte Medievale o equivalenti.

Subjects of the interview: The interview will verify: knowledge about the Italian, Genoese and Tuscan artistic culture of the 12th-15th centuries; knowledge of the Italian, Genoese and Tuscan sculpture of the 12th-15th centuries; knowledge about the cases and issues of reuse of medieval works of art in the post-medieval-modern age; the skills in the field of research methodologies applied to the specific problems of reuse in the geographical areas considered by the project.

The candidate will need to prove his/her knowledge of the English language.

RESEARCH PROGRAM NO. 35

Publicity of criteria for the qualifications and the interview: on **10.06.2021** at **09:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **10.06.2021** at **13:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **10.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Andrea Aveto at the address e-mail: andrea.aveto@unige.it, phone number +39 320 3855435.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof. Andrea AVETO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Finanziamento: MIUR PRIN 2017 AMARGINE. Archivi digitali dei libri postillati di poeti italiani del secondo Novecento (Prot. 2017NJ4KLH).

Title: Digital cataloguing of the apostilled books of Edoardo Sanguineti's library.

Description: Part of a PRIN dedicated to the creation of a digital archive of the books of some of the greatest Italian poets of the second half of the 20th century, the research has a twofold objective: 1) census and digital filing of the apostilled books in Edoardo Sanguineti's author's library deposited at the University Library of Genoa; 2) identification of the volumes affected by the most important post-secretarial interventions, both from the point of view of the interpretation of Sanguineti's work and the reconstruction of his intellectual profile, in order to proceed with their digitisation. Census, filing and digitisation will be carried out at the University Library of Genoa.

Scientific disciplinary sector: L-FIL-LET/11 LETTERATURA ITALIANA CONTEMPORANEA

Place: Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS)

Required degree: Dottorato di ricerca in Italianistica o equivalenti.

Subjects of the interview: The intellectual profile and the work of Edoardo Sanguineti; peculiarities of author's libraries and books, with particular attention to 20th century Italian authors; examples of digital filing and archiving in the field of contemporary Italiana literature.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 36

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **10:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **13:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.06.2021** starting from **11:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. ssa Laura Migliorini at the address e-mail: laura.migliorini@unige.it, phone number +39 333 9814263.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Laura MIGLIORINI

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: BEYOND THE BRIDGE: Assessing and increasing community resilience after disaster.

Description: This research focuses on how some disasters that happened in recent years (the collapse of the Morandi Bridge in 2018 and the Covid 19 pandemic) impact affected individuals and communities.

The research work, using a qualitative-quantitative methodology, aims to evaluate a program to enhance community resilience.

The process and the outcomes associated with successful adaptation to, and recovery from adversity will be described in order to identify group and community processes activated.

Scientific disciplinary sector: M-PSI/05 PSICOLOGIA SOCIALE

Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree: Dottorato di ricerca in Migrazioni e Processi Interculturali.

Subjects of the interview: Evaluation tools in psychosocial context, community resilience.

The candidate will need to prove his/her knowledge of the english language.

RESEARCH PROGRAM NO. 37

Publicity of criteria for the qualifications and the interview: on **07.06.2021** at **11:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.06.2021** at **17:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **08.06.2021** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Lara Trucco at the address e-mail: lara.trucco@unige.it, phone number +39 328 5368225.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Lara TRUCCO

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: Digital citizenship, democracy and EU constitutionalisation.

Description: The research aims to investigate the impact of the digital transition on citizenship and on fundamental political rights, in the perspective to strengthening democracy through law, particularly in the constitutionalisation process of the European Union.

Scientific disciplinary sector: IUS/08 DIRITTO COSTITUZIONALE

Place: Dipartimento di Giurisprudenza

Required degree: Laurea magistrale della classe LMG/01 Giurisprudenza.

Subjects of the interview: E-democracy; E-government; I-voting; multilevel Governance and Welfare State; Citizenship and ICT Rights; Digital identity; Protection of personal data (GDPR); constitutionalisation process of the EU; Charter of the fundamental rights of the EU ; s.c. “democratic deficit” in the European Union; Rule of Law in the EU; relationships between european and constitutional Courts.

The candidate will need to prove his/her knowledge of the english and french languages.

RESEARCH PROGRAM NO. 38

Publicity of criteria for the qualifications and the interview: on **10.06.2021** at **11:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the interview by publication on the Department's website and contextual email communication to each of the candidates.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **10.06.2021** at **16:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **11.06.2021** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Patrizia Vipiana at the address e-mail: patrizia.vipiana@unige.it, phone number +39 340 7108431.

Such a notice is equivalent to notification to all intents and purposes.

Scientific coordinator: Prof.ssa Patrizia VIPIANA

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19.367,00

Title: The protection of public security in Italian legal system: problematic aspects.

Description: The research aims to deepen, with regard to Italian legal system, the issue of the protection of public security in its different declinations among which urban security, through the analysis, in the light of constitutional principles, of the complex set of rules provided by recent legislation, especially by the so called “security decrees” of 2017-2020; the research intends to examine the problematic aspects of the before mentioned issue, in particular the delicate balance between the protection of collective security and the exercise of individual freedoms

Scientific disciplinary sector: IUS/09 ISTITUZIONI DI DIRITTO PUBBLICO

Place: Dipartimento di Scienze Politiche (DISPO)

Required degree: Dottorato di ricerca in Istituzioni di diritto pubblico/Diritto costituzionale.

Subjects of the interview: the interview will test the knowledge of the various themes of public law and constitutional law, with special reference to the above mentioned research issue.

The candidate will need to prove his/her knowledge of the english language.