



UNIVERSITÀ DEGLI STUDI DI GENOVA

AREA PERSONALE

Servizio Personale Docente

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

Decree n. 4334

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. 2002 dated 23 May 2019 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;

Having regard to the law 17.7.2020, n. 77, in particular art. 247, 248 and 249, as amended by art. 25 of the law 13.10.2020, n. 126, concerning the possibility for public administrations to carry out selection procedures electronically;

Considering that the above mentioned competition selections may also be carried out in attendance in accordance with the interim indications as of 1.9.2020 for the conduct of competition trials in the spaces of the University of Genoa in relation to the prevention of the risk from the spread of SARS-CoV-2;

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 compliance with the above mentioned indications concerning the COVID -19 emergency, and that therefore this call is issued in full compliance with the above mentioned provisions.

HEREBY DECREES

ART. 1

Number of research fellowships

1. An announcement is made for no. 47 public selections for the awarding of no. 47 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), 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), 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, 27.10.2020

THE RECTOR
Signed Prof. Paolo Comanducci

RESEARCH PROGRAM NO. 1

Publicity of criteria for the qualifications and the interview: on **14.12.2020** at **18:00** 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 **15.12.2020** 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 **16.12.2020** starting from **9:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Emanuela De Negri well in advance at the address e-mail: denegri@dima.unige.it, phone number +39 010 3536937.

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

Scientific coordinator: Prof.ssa Emanuela DE NEGRI

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

Title: Commutative Algebra and Combinatorics

Description: Research activity in Commutative Algebra and Combinatorics.

Scientific disciplinary sector: MAT/02 ALGEBRA

Place: Dipartimento di Matematica (DIMA)

Required degree:

Laurea Magistrale della classe LM-40 Matematica

Subjects of the interview:

Commutative Algebra, Combinatorics.

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

RESEARCH PROGRAM NO. 2

Publicity of criteria for the qualifications and the interview: on **10.12.2020** at **15:00** 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 **15.12.2020** 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 **17.12.2020** starting from **9:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Edoardo Mainini well in advance at the address e-mail: mainini@dime.unige.it.

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

Scientific coordinator: Prof. Edoardo MAININI

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

Title: Partial differential equations and variational methods in materials science

Description: Partial differential equations, calculus of variations, and applications to the following topics. Variational methods in Materials Science, with specific focus on elasticity theory, phase transitions, atomistic and multiscale models, optimal design of structures. Evolution equations and interaction-driven dynamics, with specific focus on the properties of nonlocal aggregation-diffusion models: gradient flow structure, long-time behavior.

Scientific disciplinary sector: MAT/05 ANALISI MATEMATICA

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

Required degree:

Laurea Magistrale delle classi: LM-17 Fisica, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'ingegneria

Subjects of the interview:

Discussion of titles and research activity. Each candidate shall present his/her main results (including for instance the results from his/her master thesis or his/her scientific publications) in the context of Mathematical Analysis, Differential Equations, Calculus of Variations and their applications.

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

RESEARCH PROGRAM NO. 3

Publicity of criteria for the qualifications and the interview: on **11.12.2020** at **17:00** 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 **15.12.2020** 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 **17.12.2020** starting from **9:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Federico Benvenuto well in advance at the address e-mail: benvenuto@dima.unige.it, phone number +39 010 3536826.

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

Scientific coordinator: Prof. Federico BENVENUTO

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

Finanziamento: 100021-2019-MP-ALTRI-EP_N-ASI-INAF_CAPODIMONTE - ASI/INAF n. 2018-16-HH.0 Artificial Intelligence AI-FLARES.

Title: Numerical methods for the analysis and processing of images of the AIA/SDO satellite.

Description: The activity will involve the analysis and processing of the SDO/AIA images at several EUV wavelengths. Since several frames per year provided by AIA are characterized by significant saturation effects, the activity will first utilize an inverse diffraction method in order to recover the signal lost in the primary saturation region, by exploiting the information hidden in the diffraction fringes produced by the PSF of the telescope. The final objective is to realize an automatic deconvolution pipeline able to remove the diffraction, diffusion, and saturation effects present in the big amount of information provided by AIA.

Scientific disciplinary sector: MAT/08 ANALISI NUMERICA

Place: Dipartimento di Matematica (DIMA)

Required degree:

Laurea v.o. in Scienze dell'informazione; Laurea Magistrale delle classi LM-40 Matematica, LM-17 Fisica, LM-32 Ingegneria informatica, LM-44 (Ingegneria Matematica).

Subjects of the interview:

Desaturation of images, image deconvolution, inverse problems, regularization theory

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 **14.12.2020** at **9:00** 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 **14.12.2020** 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 **14.12.2020** starting from **16:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Davide Ancona well in advance at the address e-mail: davide.ancona@unige.it, phone number +39 010 3536636.

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

Scientific coordinator: Prof. Davide ANCONA

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

Title: Types for asynchronous networks

Description: The objective of the research is the design of type systems for asynchronous networks. The base idea is to describe first the behaviour of the whole network as a “global type”, then to obtain through projection local types that the participants should satisfy. In this way, it is possible to ensure that a network enjoys some desired properties, e.g.: communication safety (interactions never raise communication errors); progress (the network is deadlock-free, that is, if there are non-inactive processes then the network will perform some action); no orphan-messages (any sent message will be eventually read). Definition of types and proof of properties will rely on coinductive techniques.

Scientific disciplinary sector: INF/01 INFORMATICA

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

Required degree:

Laurea magistrale della classe LM-18 Informatica; Laurea specialistica della classe 23/S Informatica.

Subjects of the interview:

Global types, coinductive definitions.

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 **14.12.2020** 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 **14.12.2020** 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 **14.12.2020** starting from **17:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Fabio Solari well in advance at the address e-mail: fabio.solari@unige.it.

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

Scientific coordinator: Prof. Fabio SOLARI

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

Title: Interactive environments for virtual and mixed reality systems

Description: In virtual (VR), augmented (AR) and mixed (MR) reality, the interaction modalities affect the quality of the user experience, user performance and the use of contents. The main aim of this research activity is to develop methods and techniques to build innovative VR/MR/AR applications, which allow people to: (i) develop interactive environments where virtual and real objects can be manipulated in an effective way with respect to the task and the user; (ii) develop interactive platforms for the evaluation and the exercise of the cognitive and sensorimotor capabilities.

Scientific disciplinary sector: INF/01 INFORMATICA

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

Required degree:

Laurea Magistrale delle classi LM-18 Informatica, LM-21 Ingegneria biomedica, LM-32 Ingegneria informatica.

Subjects of the interview:

Fundamentals of Virtual and Augmented Reality; fundamentals of visual perception and interaction; mechanisms of visual attention; computer vision; interaction techniques in VR environments; object-oriented programming (C++ and/or C# and/or Java) and game engines (Unreal engine and/or Unity3D).

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

RESEARCH PROGRAM NO. 6

The assessment criteria for the qualifications and the interview will be affixed on 10.12.2020 at 9:00 at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 10.12.2020 at 12:00 at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

The interview will be held : on 10.12.2020 at 15:00 at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, 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. Alberto Diaspro, via the e-mail address: diaspro@fisica.unige.it , phone number +39 333 5895780.

Scientific coordinator: Prof. Alberto DIASPRO

N. 1 research fellowship - Duration years 2 – Annual pre-tax amount: € 19.367,00

Finanziamento: PRIN2017 - Integration of cutting-edge spectroscopic and imaging techniques for the structural analysis of living-cell machineries from the atomic to the cellular level 20177XJCHX_003 - PI: Alberto Diaspro

Title: Integration of multimodal biophysical techniques in advanced optical microscopy for the Study of cellular events from the micro to the nanoscale.

Description: The research to be carried out is aimed at optimizing access to structural and functional information in cellular systems as part of the reference PRIN project focused at integrating cutting-edge spectroscopic and imaging techniques for the structural analysis of molecular systems in living cells from the atomic to the cellular level. The main experimental setups used are the following: 1) super resolved fluorescence optical microscopy and laser illumination white-light and multi-photon laser sources; 2) simultaneous integration of photon arrival time evaluation to create fluorescence lifetime maps as a function of environmental conditions; 3) optimization of interrogation modalities.

Scientific disciplinary sector: FIS/07 FISICA APPLICATA (A BENI CULTURALI, AMBIENTALI, BIOLOGIA E MEDICINA)

Place: Dipartimento di Fisica (DIFI)

Required degree: :

Laurea magistrale delle classi LM-17 Fisica, LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche.

Subjects of the interview: Biophysical methods for the study of biological macromolecules in cell systems. In particular: linear and non-linear optical microscopy methods including advanced (FLIM) and super-resolution fluorescence (STED, PALM) methods and complementary single-molecule methods (patch clamp) and related cell system preparation protocols.

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

RESEARCH PROGRAM NO. 7

Publicity of criteria for the qualifications and the interview: on **16.12.2020** at **9:00** 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 **16.12.2020** 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 **16.12.2020** starting from **16:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Annalisa Relini well in advance at the address e-mail: relini@fisica.unige.it, phone number +39 347 4176053.

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

Scientific coordinator: Prof.ssa Annalisa RELINI

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

Title: Study of the interaction between functionalized gold nanoparticles and cell membrane models

Description: A detailed knowledge of the physico-chemical interactions that occur at the nanoparticle (NP)-cell membrane interface is important when using NPs in biomedical applications. To this purpose, we plan an experimental study of the interaction between amphiphilic gold NPs, with charged surfaces, and multicomponent model phospholipid membranes. Membranes with variable fluidity and membranes showing lateral phase segregation will be considered. The project involves multidisciplinary activities: the synthesis and characterization of NPs and lipid model membranes (supported bilayers and vesicles) and the use of biophysical techniques, (atomic force microscopy, force spectroscopy, quartz microbalance, fluorescence spectroscopy), for the study of their interaction.

Scientific disciplinary sector: FIS/07 FISICA APPLICATA (A BENI CULTURALI, AMBIENTALI, BIOLOGIA E MEDICINA)

Place: Dipartimento di Fisica (DIFI)

Required degree:

Laurea magistrale delle classi LM-54 Scienze chimiche, LM-17 Fisica, LM-53 Scienza e ingegneria dei materiali.

Subjects of the interview: Synthesis and characterization of functionalized gold nanoparticles - Preparation and characterization of multi-component biomimetic membranes - Biophysical techniques for the study of nanoparticle-membrane interaction, with particular attention to the techniques mentioned in the project description.

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

RESEARCH PROGRAM NO. 8

Publicity of criteria for the qualifications and the interview: on **10.12.2020** at **17:00** 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 **14.12.2020** 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 **16.12.2020** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Silvia Schenone well in advance at the address e-mail: schenone@difar.unige.it, phone number +39 334 2351338 or +39 010 3538362.

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

Scientific coordinator: Prof.ssa Silvia SCHENONE

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

Title: ADME properties evaluation of two pyrazolo[3,4-*d*]pyrimidine scaffold-based prodrugs with potential theranostic action against glioblastoma.

Description: The program of this research grant focuses on the evaluation of the ADME properties of the new synthesized compounds (prodrugs), by using several *in vitro* assays. In particular, the stability in buffer solutions (e.g. PBS), in methanol, in murine and human plasma to determine half-life (hydrolysis time), water solubility, stability in the presence of human liver microsomes, affinity to plasma proteins (e.g. albumin) and CYP3A4 inhibition will be determined. Moreover, permeability tests to assess both gastrointestinal and blood-brain barrier permeability and *in vivo* evaluation of the pharmacokinetic profile of prodrugs in combination with Temozolomide will be performed.

Scientific disciplinary sector: CHIM/08 CHIMICA FARMACEUTICA

Place: Dipartimento di Farmacia (DIFAR)

Required degree:

Laurea magistrale della classe LM-13 (Chimica e Tecnologie Farmaceutiche).

Subjects of the interview: Knowledge related to the evaluation of *in vitro* ADME properties of small organic molecules endowed with biological activity, with specific references to the evaluation of metabolic stability and interaction (inhibition/induction) of the tested compounds with cytochromes involved in the metabolism of active compounds, in particular with the CYP3A4 isoform.

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 **14.12.2020** at **9:30** 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 **14.12.2020** 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 **15.12.2020** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Laura Gaggero well in advance at the address e-mail: laura.gaggero@unige.it, phone number +39 347 0599743.

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

Scientific coordinator: Prof.ssa Laura GAGGERO

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

Title: Mineralogical investigations and mutagenicity tests on cleavage fragments from asbestos mineral phases.

Description: The debate on health impact, on identification criteria and on regulatory limits in the classification of carcinogenic fibers is at present addressed at prismatic amphibole minerals and cleavage fragments, which are still not uniquely regulated. The project is aimed at developing a method of characterization based on statistically significant mineralogical bases, to define the classification criteria of asbestos minerals, to be transferred to the qualitative and quantitative assessment of the asbestos risk for prismatic amphibole minerals and cleavage fragments. In vitro studies will be addressed to determine the carcinogenic potential by means of mutagenesis and transformation assays in BALB / c 3T3 cells, due the model sensitivity, specificity and agreement with the data of long-term tests carried out in the animal.

Scientific disciplinary sector: GEO/09 GEORISORSE MINERARIE E APPLICAZIONI MINERALOGICO-PETROGRAFICHE PER L'AMBIENTE E I BENI CULTURALI

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

Required degree:

Laurea specialistica della classe 86/S Scienze geologiche; Laurea magistrale della classe LM-74 Scienze e tecnologie geologiche.

Subjects of the interview: Asbestos mineralogy; mineral phases analytical methods; biological laboratory methods

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

SCIENTIFIC DISCIPLINARY AREA BIOLOGY

RESEARCH PROGRAM NO. 10

The assessment criteria for the qualifications and the interview will be affixed on 10.12.2020 at 09:00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 10.12.2020 at 12:00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The interview will be held : on 10.12.2020 at 15:00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Corso Europa 26, 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.ssa Mariachiara CHIANTORE

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

Title: Habitat 1170 monitoring in Portofino MPA

Description: *Patella ferruginea*, a gastropod endemic to the western Mediterranean, is one of the invertebrates most at risk of extinction and is, in fact, included in the lists of protected species. This species, considered extinct along the Ligurian coasts, was instead found as small populations or isolated specimens. It is necessary to census its populations as part of the monitoring projects of the Sites of Community Interest. *Cystoseira amentacea* is also a species included in various European conventions and used as an indicator of ecological quality. Also for this species it is necessary to monitor the conditions of the fringe which constitutes in the intertidal to evaluate any variations in ecological quality also in relation to activities that persist in the different areas of AMP Portofino.

Scientific disciplinary sector: BIO/07 ECOLOGIA

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

Required degree:

Laurea Specialistica della classe 82/S Scienze e tecnologie per l'ambiente e il territorio; Laurea Magistrale della classe LM-75 Scienze e tecnologie per l'ambiente e il territorio.

Subjects of the interview: Ecology of *Patella ferruginea*; European directives on protected species and Marine Strategy.

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

RESEARCH PROGRAM NO. 11

The assessment criteria for the qualifications and the interview will be affixed on 10.12.2020 at 12.00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), sala lettura V piano, Palazzo delle Science, Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 10.12.2020 at 16.00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), sala lettura V piano, Palazzo delle Science, Corso Europa 26, Genova.

The interview will be held : on 11.12.2020 at 9.00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), sala lettura V piano, Palazzo delle Science, Corso Europa 26, 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.ssa Laura CANESI

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

Title: Mechanisms of innate immunity in the marine bivalve mytilus: responses to pathogens and environmental contaminants.

Description: The research concerns the development of in vitro and in vivo studies on the mechanisms of innate immunity of bivalve molluscs, utilizing the immune cells, the hemocytes, of the mussel *Mytilus*. To this aim, both natural stimuli (marine bacteria of the genus *Vibrio* and *Arcobacter*), and different types of nanomaterials, including nanoplastics, as non self-material, will be utilized. Activities will involve the evaluation of immune biomarkers (phagocytosis, enzyme release, oxyradical production), as well as experiments to investigate the role of different intercellular communication systems (tunneling nanotubes, extracellular NETs) in coordinating the immune response. Moreover, the protective role of autophagic processes in mussel immune responses will be evaluated.

Scientific disciplinary sector: BIO/09 FISIOLOGIA

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

Required degree:

Dottorato di Ricerca in Scienza del Mare.

Subjects of the interview: Innate immunity in bivalve molluscs: comparative aspects. Immune responses to bacterial challenge and to nanoparticles. Role of autophagy in bivalve immune response.

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

RESEARCH PROGRAM NO. 12

Publicity of criteria for the qualifications and the interview: on **16.12.2020** 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 **16.12.2020** 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 **16.12.2020** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Maria Pia Sormani well in advance at the address e-mail: mariapia.sormani@unige.it, phone number +39 366 9937472.

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

Scientific coordinator: Prof.ssa Maria Pia SORMANI

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

Title: Analysis of the data relating to the pharmacological therapies available for patients suffering from Multiple Sclerosis.

Description: The aim of the project will be to monitor the clinical evolution of the Multiple Sclerosis by comparing the data relating to drug therapies available in Italy. During the statistical analysis of these data, the main clinical factors related to the development and progression of MS will also be taken into account, thus allowing a clinical evaluation of the results obtained.

Scientific disciplinary sector: MED/01 STATISTICA MEDICA

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree:

Laurea V.O. in Lingue e Letterature Straniere, o in Statistica; Laurea Specialistica delle classi 43/S Lingue straniere per la comunicazione internazionale, 92/S Statistica per la ricerca sperimentale; Laurea Magistrale delle classi LM-38 Lingue moderne per la comunicazione e la cooperazione internazionale, LM-82 Scienze statistiche.

Subjects of the interview: Statistical Methodology – Data Management – experience in SM

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 15.12.2020 at 10:00 at Dipartimento di Medicina Sperimentale (DIMES), Via L.B.Alberti 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 15.12.2020 at 16:00 at Dipartimento di Medicina Sperimentale (DIMES), Via L.B.Alberti 2, Genova.

The interview will be held : on 16.12.2020 at 10:00 at Dipartimento di Medicina Sperimentale (DIMES), Via L.B. Alberti 2, 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 Mariapaola Nitti, via the e-mail address: Mariapaola.Nitti@unige.it , phone number + 39 010 3538835.

Scientific coordinator: Prof.ssa Mariapaola NITTI

NO. 1 research fellowship - Duration year 1 – Importo lordo annuo: € 19.367,00

Title: Oxidative stress and antioxidant defenses in endothelial dysfunctions

Description: Endothelial dysfunction characterizes the onset and progression not only of cardiovascular diseases, but also of metabolic diseases and cerebrovascular alterations. Furthermore, the modifications of the endothelial cells are important in favoring the vascularization and progression of the tumors. The role played by oxidative stress is recognized, although the underlying molecular mechanisms remain largely unknown. The Nrf2 transcription factor controls the transcription of a plethora of genes involved in the antioxidant response in endothelial cells and this project aims at studying the role of Nrf2 and HO-1, one of its main target genes, in the onset of endothelial dysfunction, by evaluating their involvement in the modulation of cell-to-cell interaction, pro-inflammatory activation and pathological angiogenesis.

Scientific disciplinary sector: MED/04 PATOLOGIA GENERALE

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree:

Laurea Magistrale della classe LM-6 Biologia.

Subjects of the interview: Pathophysiology of the endothelium; Modification of cell junctions; Oxidative stress and antioxidant defenses; Nrf2 and Heme oxygenase 1; Expertise in the field of oxidative stress related pathologies. Laboratory technique skills (Isolation and culture of endothelial cells, Oxidative stress assays, Western Blot, Rt-PCR, angiogenesis assays, Immunofluorescence.)

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 **15.12.2020** at **9:00** 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 **15.12.2020** 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 **15.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Anna Maria Schito well in advance at the address e-mail: amschito@unige.it, phone number +39 320 4262550.

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

Scientific coordinator: Prof.ssa Anna Maria SCHITO

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

Title: Analysis of the antibacterial activity of biopolymeric nanoformulations.

Description: The severe increase in the number and mortality rate of hospital acquired infections represents a crucial challenge for modern medicine. The persistence of nosocomial pathogens, typically resistant to antimicrobials, even on surfaces of hospital settings can reach long durations (months and even years) and can contribute to increasing the risk of transmissibility to a susceptible patient. This persistence is often ensured by the formation of biofilms, a protective structure that allows the microorganism to grow and exchange resistance genes with other bacteria. In this context, the antimicrobial and anti biofilm characteristics of innovative “green formulations”, made of engineered biopolymer nanoparticles, biocompatible and biodegradable, will be evaluated against the main nosocomial bacteria, such as *Staphylococcus aureus* and *Pseudomonas aeruginosa*. These researches will be funded by the Compagnia di San Paolo Foundation.

Scientific disciplinary sector: MED/07 MICROBIOLOGIA E MICROBIOLOGIA CLINICA

Place: Dipartimento di scienze chirurgiche e diagnostiche integrate (DISC)

Required degree: :

Laurea Magistrale della classe LM-6 Biologia.

Subjects of the interview: Antimicrobial susceptibility test procedures for microorganisms. Procedures for evaluating biofilm inhibition.

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

RESEARCH PROGRAM NO. 15

Publicity of criteria for the qualifications and the interview: on **15.12.2020** at **9:00** 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 **15.12.2020** 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 **15.12.2020** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Diego Ferone well in advance at the address e-mail: ferone@unige.it, phone number +39 010 3537946.

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

Scientific coordinator: Prof. Diego FERONE

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

Finanziamento: MIUR PRIN _2017 Prot. 2017Z3N3YC

Title: Study on the mechanism of resistance to somatostatin analogue treatment in neuroendocrine neoplasms (NEN)

Description: The therapy of neuroendocrine neoplasms (NENs) include the use of somatostatin analogs (SSAs) and the mTOR inhibitor Everolimus, EVE. Since some patients can develop resistance to these drugs, this project will evaluate the effects of SSAs, dopamine analogs and mono-/bi-specific or chimeric experimental compounds (BIMs) on tumor progression of NEN cell lines and primary cultures of post-surgical NENs. *In vitro* experiments will be carried out to investigate proliferation, vitality, apoptosis and secretion, as well as the intracellular pathways, after treatment of NEN cells with the compounds. Moreover, since the immune system has an important role in tumor progression, the study will evaluate the immunologic profile in peripheral blood samples of NEN patients, before and during SSA and EVE treatments, and tumor infiltrating lymphocytes in NEN tissue sections and primary cultures.

Scientific disciplinary sector: MED/13 ENDOCRINOLOGIA

Place: Dipartimento di Medicina interna e Specialità mediche (DIMI)

Required degree: Laurea Magistrale della classe LM-09 Biotecnologie mediche, veterinarie e farmaceutiche.

Subjects of the interview: Histological features of neuroendocrine neoplasms (NEN); diagnosis and treatment of NEN and acromegaly; physiopathology of somatostatin and dopamine receptors; somatostatin and dopamine analogs (SSAs, DAs) commonly used in clinical practice and new experimental compounds; cell culture techniques with particular regard to the preparation and setting of primary cultures isolated from post-surgical NEN and pituitary adenoma fragments; immunoblot and immunohistochemical techniques, qRT-PCR, immunometric assays (RIA, IRMA, ELISA), cell-tissue protein extraction techniques.

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 **11.12.2020** at **9:00** 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 **11.12.2020** 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 **11.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Matilde Inglese well in advance at the address e-mail: m.inglese@unige.it, phone number +39 010 3537028.

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

Scientific coordinator: Prof.ssa Matilde INGLESE

NO. 1 research fellowship - Duration year 1 – Importo lordo annuo: € 27.133,00

Title: Structural connectivity in multiple sclerosis: standard and novel magnetic resonance imaging techniques to quantify it.

Description: Connectomics is the field that focuses on the anatomical connections. Connections can be studied non-invasively with diffusion magnetic resonance imaging (dMRI) using tractography algorithms. The aim of this project is to perform quantitative and biologically meaningful analyses of brain connectivity using multimodal MRI techniques (dMRI, myelin sensitive maps, etc) and study the association between modifications of structural connectivity measures and brain atrophy, clinical, and neuropsychological metrics.

Scientific disciplinary sector: MED/26 NEUROLOGIA

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

Required degree: :

Dottorato di Ricerca in Matematica Applicata o discipline equivalenti.

Subjects of the interview: Physical principles of magnetic resonance imaging (MRI), microstructural modelling through biophysical models developed for MRI (myelin, axonal diffusivity, microstructural models in grey matter, etc.), advanced tractography techniques, network metrics

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

RESEARCH PROGRAM NO. 17

The assessment criteria for the qualifications and the interview will be affixed on 14.12.2020 at 8:00 at Dipartimento di scienze chirurgiche e diagnostiche integrate (DISC), padiglione 4, Ospedale S. Martino, Largo Rosanna Benzi 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 14.12.2020 at 11:00 at Dipartimento di scienze chirurgiche e diagnostiche integrate (DISC), padiglione 4, Ospedale S. Martino, Largo Rosanna Benzi 10, Genova.

The interview will be held : on 14.12.2020 at 15:00 at Dipartimento di scienze chirurgiche e diagnostiche integrate (DISC), padiglione 4, Ospedale S. Martino, Largo Rosanna Benzi 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.

Scientific coordinator: Prof.ssa Maria MENINI.

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

Title: Clinical evaluation of machined implants vs. treated surfaces implant: a clinical trial.

Description: Aim of the present research is to clinically evaluate the performances of machined titanium dental implants vs. surface treated dental implants. The abutment surfaces will be treated in the same way. The outcomes will be implant survival; bone resorption, periodontal parameters, esthetic results and complications.

Scientific disciplinary sector: MED/28 MALATTIE ODONTOSTOMATOLOGICHE

Place: Dipartimento di scienze chirurgiche e diagnostiche integrate (DISC)

Required degree:

Laurea Magistrale della classe LM-46 Odontoiatria e protesi dentaria.

Subjects of the interview: Dental implant rehabilitations, dental abutments.

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 **14.12.2020** at **9:30** 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 **14.12.2020** at **12:30** 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 **14.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Stefano Volpi well in advance at the address e-mail: suppregio@gmail.com, 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 year 1 – 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 della classe LM-6 Biologia

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 **10.12.2020** 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 **11.12.2020** 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 **15.12.2020** starting from **12:00** The interview will take place, in any case, electronically (video conference via Skype or google meet) by contacting Prof.ssa Elisa Pelosin well in advance at the address e-mail: elisa.pelosin@gmail.com, phone number +39 010 35338038.

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

Scientific coordinator: Prof.ssa Elisa PELOSIN

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

Title: EEG analysis during motor imagery of gait under dual task condition

Description: Motor imagery (MI) is the mental simulation of an action without its actual execution. Used for neurophysiological purposes to study cortical gait control. In addition to the evaluation of the "normal" path (ie straight path) for example, the path with double task (or "dual task", DT). In this context, several studies with functional magnetic resonance imaging (fMRI) have studied the MI of walking and the differences between normal walking (NW) and dual-task walking, there is little evidence about the use of electroencephalography (EEG) as a tool of neurophysiological investigation in this area. This study aims to use high-density EEG to evaluate the effectiveness of a walking MI protocol to be applied to patients with Parkinson's disease

Scientific disciplinary sector: MED/48 SCIENZE INFERMIERISTICHE E TECNICHE NEURO-PSICHIATRICHE E RIABILITATIVE

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

Required degree: Laurea della classe LM/SNT2 Scienze riabilitive delle professioni sanitarie.

Subjects of the interview: Neurophysiological basis of Motor Imagery; Basic concepts of EEG signals; pathophysiology and clinical signs of Parkinson's disease; gait physiology.

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

RESEARCH PROGRAM NO. 20

The assessment criteria for the qualifications and the interview will be affixed on 11.12.2020 at 9:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI) - Campus Universitario di Savona - Palazzina Oliva (Smart Energy Building) - Via Magliotto 2, Savona

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 11.12.2020 at 12:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI) - Campus Universitario di Savona - Palazzina Oliva (Smart Energy Building) - Via Magliotto 2, Savona

The interview will be held : on 11.12.2020 alle ore 15:15 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI) - Campus Universitario di Savona - Palazzina Oliva (Smart Energy Building) - Via Magliotto 2, Savona

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. Marco TESTA

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

Title: Pain modulation in Immersive Virtual Reality

Description: The perception of pain is the result of a dynamic learning process, influenced by the integration of different contextual elements, previous experiences and beliefs of the individual, which simultaneously shapes the patient's expectations and induces physiological and behavioral responses.

Through the Immersive Virtual Reality (RVI) it is possible to modify the contextual elements (shape of the body segments, spatial references). The goal of this project is to understand how much the modification of contextual factors in RVI can modulate the perception of pain and the resulting motor behaviors in different musculoskeletal conditions.

Scientific disciplinary sector: MED/48 SCIENZE INFERMIERISTICHE E TECNICHE NEURO-PSICHIATRICHE E RIABILITATIVE

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

Required degree: Laurea Magistrale della classe LM-21 Ingegneria Biomedica.

Subjects of the interview: 1) Principles of Artificial Intelligence: Machine Learning, Neural Networks, Deep Learning; 2) Knowledge of sensors and methodologies applied in movement analysis; 3) Knowledge of the various Computer-Mediated Reality technologies with particular interest in Immersive Virtual Reality (Sensors and instruments on the market); 4) Basics of Unreal Engine; 5) Pain neurophysiology.

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 **16.12.2020** at **9:30** 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 **16.12.2020** at **12:30** 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 **16.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Laura Bonzano well in advance at the address e-mail: laura.bonzano@unige.it

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

Scientific coordinator: Prof.ssa Laura BONZANO

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

Title: Interhemispheric information transfer in multiple sclerosis: a multimodal approach of TMS-EEG coregistration, MRI and bimanual coordination.

Description: The aim of the project is to investigate the deficit of interhemispheric information transfer in multiple sclerosis, evaluating the association between anatomical and physiological alterations of the corpus callosum (CC) and behavioral impairment (bimanual coordination). A multimodal approach will be used, based on diffusion tensor imaging, resting-state functional magnetic resonance imaging and co-registration of transcranial magnetic stimulation and electroencephalography, to assess the structural integrity and connectivity of different CC regions; specific functional deficits will be measured through a motor paradigm requiring interhemispheric information transfer. Other techniques, such as functional near-infrared spectroscopy, could be used.

Scientific disciplinary sector: MED/50 SCIENZE TECNICHE MEDICHE APPLICATE

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

Required degree: Laurea magistrale delle classi LM-18 Informatica, LM-21 Ingegneria biomedica, LM-32 Ingegneria informatica, LM-91 Tecniche e metodi per la società dell'informazione.

Subjects of the interview: Kinematic, neurophysiological and neuroimaging evaluation techniques; routine programming in Matlab environment.

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 10.12.2020 at 9:00 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 10.12.2020 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 10.12.2020 starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Luca Ferraris well in advance 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: € 23.250,00

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 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. 23

Publicity of criteria for the qualifications and the interview: on 16.12.2020 at 8:45 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 16.12.2020 at 11:45 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 16.12.2020 starting from **12:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Paola Gualeni well in advance at the address e-mail: paola.gualeni@unige.it, phone number +39 320 4247860.

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

Scientific coordinator: Prof.ssa Paola GUALENI

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

Title: Development of a “ship synthesis model tool” (ssm) for innovative naval ship design

Description: A very important phase of naval ship design is the definition of the Operational Requirements (OR), that characterize the mission of the unit under development. Then it is fundamental to assess OR interaction with the physical/technical features of the ship and to find methodologies for the evaluation of the operational effectiveness of the different investigated configurations. This problem can be faced making use of architectural framework where to implement a “ship synthesis model” SSM tool in order to automate the concept/preliminary ship design phase. This in turn can enable the trade-off analysis among the different feasible solution in short time.

In the research activity the different OR for a naval ship will be investigated in relation with the different naval ship typology and a methodology will be identified in order to support the development of SSM.

Scientific disciplinary sector: ING-IND/01 ARCHITETTURA NAVALE

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

Required degree: :

Laurea Specialistica della classe 37/S Ingegneria Navale; Laurea Magistrale della classe LM-34 Ingegneria Navale.

Subjects of the interview: Ship design, ship typologies (technical characteristics and operational profile),

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 **11.12.2020** at **9:00** 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 **11.12.2020** 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 **11.12.2020** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Diego Villa well in advance at the address e-mail: diego.villa@unige.it, phone number +39 0103352345.

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

Scientific coordinator: Prof. Diego VILLA

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

Title: Development of a numerical procedure for the hull and propeller design by optimization

Description: The activity, carried out in collaboration with Cetena S.p.A., includes two main topics. The first concerns the development and testing of numerical strategies for the design of hull shapes (both global and local) through optimization, using numerical tools (such as CFD) already available or under development at the department. The second one, on the other hand, involves the implementation of additional features to the numerical tools, in the possession of the Cetena, suitable for the design of naval propellers.

Scientific disciplinary sector: ING-IND/01 ARCHITETTURA NAVALE

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

Required degree:

Laurea V.O. in Ingegneria Navale; Laurea Specialistica della classe 37/S Ingegneria navale, Laurea Magistrale della classe LM-34 Ingegneria Navale

Subjects of the interview:

Shape optimization impacts on the ship design
Description of CAD techniques and their impact on the ability to represent and deform a specific body shape.
Theory of the Computational Fluid Dynamic (CFD) and its application into the ship design
Basic design principles, constraints and degrees of freedom.

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

RESEARCH PROGRAM NO. 25

The assessment criteria for the qualifications and the interview will be affixed on 14.12.2020 at 8:00 in, Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), via Opera Pia 15A, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 14.12.2020 at 11:30 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), via Opera Pia 15A, Genova

The interview will be held on 14.12.2020 at 12:00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), via Opera Pia 15A, 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. Matteo ZOPPI

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

Title: Conceptualization and design of a system for microwave warming of plants in a green house

Description: The researcher will participate to the conceptualization and design of the system (technology, frequencies, exposure and limitations), to the detailing of the components and dimensioning of the system through suitable methods (analytical, deterministic and probabilistic simulation, SWOT) with the aim to define power, number and distribution of the wave generators and any specification to properly and safely perform the illumination of the plants.

Scientific disciplinary sector: ING-IND/13 MECCANICA APPLICATA ALLE MACCHINE

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

Required degree:

Dottorato in fisica

Subjects of the interview:

Fisics of microwaves, effects on biological materials, engineering requirements for their application. Design of green houses. Phsiology of the plants grwon in green houses and common pests.

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

RESEARCH PROGRAM NO. 26

Publicity of criteria for the qualifications and the interview: on **15.12.2020** at **8:30** 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 **15.12.2020** 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 **15.12.2020** starting from **16:30** The interview will take place, in any case, electronically (video conference via Skype/TEAMS) by contacting Prof.ssa Flavia Libonati well in advance at the address e-mail: flavia.libonati@unige.it

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

Scientific coordinator: Prof.ssa Flavia LIBONATI

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

Title: Numerical-experimental analysis of a Carbon-FRP door panel subjected to lateral crash

Description: The research fellow will develop a setup based on predictive modeling and experimental testing. The research will be focused first on the material design and characterization, then on the design of door panel component followed by experimental testing aimed at validating the developed predictive numerical models.

Scientific disciplinary sector: ING-IND/14 PROGETTAZIONE MECCANICA E COSTRUZIONE DI MACCHINE

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

Required degree:

Laurea V.O. in Ingegneria Meccanica, Ingegneria dei Materiali; Laurea Specialistica delle classi 36/S Ingegneria Meccanica , 61/S Ingegneri dei Materiali, Laurea Magistrale delle classi LM-33 Ingegneria Meccanica e LM 53 Ingegneria dei Materiali

Subjects of the interview:

Mechanical and machine design. Mechanical behavior of materials. Design with composite materials. Finite element methods and numerical modeling.

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 **10.12.2020** 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 **11.12.2020** 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 **14.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Maurizio Valle well in advance at the address e-mail: maurizio.valle@unige.it, phone number +39 3483053884

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

Scientific coordinator: Prof. Maurizio VALLE

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

Title: Low energy consumption embedded electronic system for data acquisition from sensor arrays, local processing according to artificial intelligence paradigms and radio connectivity

Description: The aim of the research is the design of the circuit architecture and the development of an experimental prototype of an "embedded" electronic system with low energy consumption, operating in real time and with low time latency for data acquisition from piezoelectric tactile sensor arrays, with a number of input channels equal to 64, local data processing (using, if necessary, System on Chip devices and / or programmable devices / FPGAs) based on Artificial Intelligence computing paradigms (e.g. Machine Learning, Neuromorphic Computing, DNN) with radio connectivity (e.g. Bluetooth low energy). The system will be used in electronic skin devices (i.e. e-skin) in prosthetic and biomedical applications.

Scientific disciplinary sector: ING-INF/01 ELETTRONICA

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

Required degree:

Laurea Magistrale delle classi: LM-29 Ingegneria elettronica, LM-25 Ingegneria dell'automazione, LM-21 Ingegneria biomedicale, LM-32 Ingegneria informatica, LM-17 Fisica.

Subjects of the interview:

sensory systems, tactile systems, Artificial Intelligence / Machine Learning, embedded electronic systems

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 **10.12.2020** at **9:00** 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 **10.12.2020** 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 **10.12.2020** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Carlo Regazzoni well in advance at the address e-mail: carlo.regazzoni@unige.it, phone number +39 0103352792.

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

Scientific coordinator: Prof. Carlo REGAZZONI

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

Title: Study and development of techniques for learning switching Bayesian models for jammer detection in cognitive radio networks

Description: The proliferation of interconnected objects in the Internet of Things (IoT) can benefit from integration of cognitive radio (CR) technologies at the network level. IoT networks equipped with cognitive capabilities can help to effectively alleviate the problem of spectrum scarcity. However, the IoT network can suffer from jammer attacks that interfere with user transmissions and disrupt communications. The research activity related to this grant considers a CR-IoT network based on the OFDM (Orthogonal Frequency Division Multiplexing) modulation scheme and will assume that a reactive jammer is present in the network. The studied jammer detection method will be based on learning a switching dynamic Bayesian network (DBN) starting from normal OFDM data transmissions able to detect anomalous situations. The proposed model should be able to detect and identify multiple jammers and its performance provided be compared with that of conventional approaches in order to show its validity.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI

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

Required degree:

Laurea V.O. in Ingegneria informatica; Ingegneria elettronica; Ingegneria biomedica; Ingegneria delle telecomunicazioni, Informatica, Fisica; Laurea Specialistica delle classi 35/S Ingegneria informatica, 32/S Ingegneria elettronica, 29/S Ingegneria dell'automazione; 26/S Ingegneria biomedica, 30/S Ingegneria delle telecomunicazioni, 23/S Informatica, 100/S Tecniche e metodi per la società dell'informazione, 20/S Fisica; Laurea Magistrale delle classi LM-32 Ingegneria informatica, LM-29 Ingegneria elettronica, LM-25 Ingegneria dell'automazione, LM-21 Ingegneria biomedica, LM-27 Ingegneria delle telecomunicazioni, LM-26 Ingegneria della sicurezza, LM-18 Informatica, LM-66 Sicurezza informatica, LM-91 Tecniche e metodi per la società dell'informazione, LM-17 Fisica.

Subjects of the interview:

Signal processing and transmission techniques. Telecommunication systems. Artificial intelligence. Knowledge of C ++, Matlab

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 **18.12.2020** 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 **18.12.2020** 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 **18.12.2020** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Enrico Simetti well in advance at the address e-mail: enrico.simetti@unige.it, phone number +39 328 4576981.

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

Scientific coordinator: Prof. Enrico SIMETTI

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

Title: Modeling and control of hybrid actuated ROVs

Description: A novel concept of a hybrid cable-thruster actuated ROV has emerged recently. The use of cable actuation can significantly increase the payload handling capabilities of ROVs, provide additional supports to resist strong currents, and enable more precise positioning. The objective of this research is to implement the model of a cable thruster actuated ROV and develop the control technique for the actuators force allocation scheme (cables and thrusters)

Scientific disciplinary sector: ING-INF/04 AUTOMATICA

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

Required degree:

Laurea Magistrale delle classi: LM-32 Ingegneria Informatica e LM-25 Ingegneria dell'automazione

Subjects of the interview:

kinematic control of robots; dynamic control of robots; vehicle modelling; marine vehicle models; thruster allocation methods; matlab and c++ knowledge

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 **14.12.2020** 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 **14.12.2020** 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 **14.12.2020** starting from **16:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Enrico Simetti well in advance at the address e-mail: enrico.simetti@unige.it, phone number +39 328 4576981.

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

Scientific coordinator: Prof. Enrico SIMETTI

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

Title: Distributed Autonomous Mobile Passive Sonar system

Description: The DAMPS project aims at creating a passive distributed adaptive sonar system composed by a team of autonomous underwater vehicles with passive directive sensors. The objective of the assegni will be the development and simulation of control and mission management methodologies for the team of autonomous underwater vehicles

Scientific disciplinary sector: ING-INF/04 AUTOMATICA

Place: Centro Interuniversitario di Ricerca di Sistemi integrati per l'Ambiente marino (ISME)

Required degree:

Laurea Magistrale delle classi: LM-32 Ingegneria Informatica e LM-25 - Ingegneria dell'automazione

Subjects of the interview:

Hydrodynamic models of underwater vehicles; task priority based control; cooperative control; underwater navigation techniques; dynamic control of vehicles; knowledge of C++

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

RESEARCH PROGRAM NO. 31

The assessment criteria for the qualifications and the interview will be affixed on 11.12.2020 at 9:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Viale F. Causa 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 11.12.2020 at 12:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Viale F. Causa 13, Genova.

The interview will be held on 11.12.2020 at 15:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Viale F. Causa 13, 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. Marco MARATEA

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

Title: Artificial Intelligence methodologies for hospital treatment planning

Description: The project is about the design, implementation and experimental analysis on real data for solving, via Artificial Intelligence methodologies, in particular knowledge representation and reasoning, **the** hospital treatment planning problem.

Settore scientifico-disciplinare: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI

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

Required degree: :

Laurea Magistrale della classe LM-32 Ingegneria Informatica.

Subjects of the interview: Knowledge representation languages; Deductive AI solutions for solving scheduling problems

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

RESEARCH PROGRAM NO. 32

The assessment criteria for the qualifications and the interview will be affixed on 18.12.2020 at 9:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) – Via Opera Pia 11a, 2° Piano, SmartLab, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed: on 18.12.2020 at 12:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) – Via Opera Pia 11a, 2° Piano, SmartLab, Genova.

The interview will be held: on 18.12.2020 at 14:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) – Via Opera Pia 11a, 2° Piano, SmartLab, 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. Luca ONETO

Finanziamento: Fondi UNIGE BIPE - FOSTER

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

Title: Study and application of methods for knowledge extraction techniques from naval data with particular reference to the energy systems to improve also the possibility of developing EU projects

Description: The objective of the research is the study and application of methods for knowledge extraction techniques, based on machine learning, from *naval data with particular reference to the energy systems*.

In particular, the objective will be to define application scenarios and approaches for data collection, storage, and analysis. Starting from the identified scenarios, the research will address the development of methods to assess knowledge extraction techniques, with particular reference to descriptive, diagnostic and predictive models, with also the scope of optimizing the networks for sustainable transport in the context of smart cities. The scope of this project is also to improve the possibility of developing EU projects.

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 LM-32 Ingegneria informatica

Subjects of the interview: Machine Learning, Data Mining, Naval Information Systems.

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

RESEARCH PROGRAM NO. 33

The assessment criteria for the qualifications and the interview will be affixed on 18.12.2020 at 8:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) – Via Opera Pia 11a, 2° Piano, SmartLab, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed: on 18.12.2020 at 11:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) – Via Opera Pia 11a, 2° Piano, SmartLab, Genova.

The interview will be held: on 18.12.2020 at 13:00 in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) – Via Opera Pia 11a, 2° Piano, SmartLab, 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. Luca ONETO

Finanziamento: UE Progetto H2020 DayDreams

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

Title: Study and application of methods for knowledge extraction techniques from railway data

Description: The objective of the research is the study and application of methods for knowledge extraction techniques, based on machine learning, from railway data.

In particular, the objective will be to define application scenarios and approaches for data collection, storage, and analysis. Starting from the identified scenarios, the research will address the development of methods to assess knowledge extraction techniques, with particular reference to descriptive, diagnostic and predictive models.

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: Machine Learning, Data Mining, Railway Information Systems.

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 **14.12.2020** at **9:00** 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 **14.12.2020** 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 **14.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Antonio Sgorbissa well in advance 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: € 27.133,00

Title: MEUS – Management of Emergencies through Ubiquitous Sensing

Description: The MEUS project develops technologies for Search&Rescue operations in environmental disasters, to the end of collecting information as fast as possible. To this aim, MEUS hypothesizes that First Responders are equipped with wearable sensors and mobile devices, which are part of a distributed system composed of many nodes and a database on the Cloud. Additional information will be provided by citizens in the area, that may access the Cloud through their smartphone to contribute describing the current situation. The project will address problems related to a temporary lack of connectivity between nodes of the network, and to the merging the data provided by different sources, whose trustworthiness may vary from case to case.

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. 35

The assessment criteria for the qualifications and the interview will be affixed on 10.12.2020 at 9:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Sede di Villa Bonino, Viale Francesco Causa 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 10.12.2020 at 12:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Sede di Villa Bonino, Viale Francesco Causa 13, Genova.

The interview will be held : on 10.12.2020 at 15:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Sede di Villa Bonino, Viale Francesco Causa 13, 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. Gianni Vercelli via the e-mail address: gianni.vercelli@unige.it phone number+39 320 4307211

Scientific coordinator: Prof. Gianni Viardo VERCELLI

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

Title: Design of an Education Smart Living Lab for the construction of accessible and inclusive Mixed / Extended Reality scenarios.

Description: The goal of the research is the design of a Smart Living Lab (Smart LL) for university and/or post-secondary training, with scenarios that ensure accessibility and active inclusion of disabled people. According to the European Networks of Living Labs, an LL dedicated to Higher Education aims not only to meet the needs of students and teachers, but also those of civil servants and citizens in providing innovative educational activities. The research will deepen the learning methodologies based on immersive technologies (Extended Reality), guaranteeing the inclusiveness of people with disabilities, to demonstrate how to move from teaching models based on 2D teaching material, to the concept of Immersive Experience based on 3D contents/environments.

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 35/S Ingegneria Informatica, 100/S Tecniche e metodi per la società dell'informazione; Laurea Magistrale delle classi LM-32 Ingegneria Informatica, LM-91 Tecniche e metodi per la società dell'informazione, LM-92 Teorie della comunicazione.

Subjects of the interview: E-learning and co-creation models and methodologies; Design of Immersive experiences using VR / AR / MR / XR methodologies and technologies; Software application design and implementation using Unreal game engine.

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 **18.12.2020** at **9:00** 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 **18.12.2020** 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 **18.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Fulvio Mastrogiovanni well in advance at the address e-mail: fulvio.mastrogiovanni@unige.it.

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

Scientific coordinator: Prof. Fulvio MASTROGIOVANNI

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

Title: Methods and algorithms for search and rescue with teams of heterogeneous robots in the context of the DIONISO project.

Description: This work takes place in the context of the DIONISO project, aimed at developing search & rescue techniques with heterogeneous teams of autonomous, partially autonomous robots and human rescuers equipped with wearable sensors. In particular, the work subject of this grant proposal will focus on planning and execution techniques of actions and trajectories for autonomous robots, in particular based on the concept of belief space. These conceptual frameworks will have to be integrated with advanced planning techniques based on symbolic and heuristic approaches.

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 delle classi LM-20 Ingegneria Aerospaziale e Astronautica, LM-25 Ingegneria dell'Automazione, LM-32 Ingegneria Informatica.

Subjects of the interview: Planning techniques, robot control, control of multi-robot systems.

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

SCIENTIFIC DISCIPLINARY AREA ANTIQUITIES, PHILOLOGY, LITERARY STUDIES, ART HISTORY

RESEARCH PROGRAM NO. 37

The assessment criteria for the qualifications and the interview will be affixed on **02.12.2020** at **12:30** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed: on **02.12.2020** at **15:30** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, Genova.

The interview will be held: on **02.12.2020** at **16:00** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, 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 Anna Maria Stagno via the e-mail address: anna.stagno@unige.it, phone number +39 349 3224792.

Scientific coordinator: Prof.ssa Anna Maria STAGNO.

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

Title: The rural heritage of Ligurian Apennines: environmental resources, practices, landscapes, settlements, paths.

Description: The post-doctoral fellow will actively contribute to LASA research projects (with particular reference to the project JpiCh - IRIS “Inspiring Rural heritage: Sustainable practices to protect and conserve upland landscapes and memories”) and to the investigation carried out in Ligurian Apennines with the objective to historically characterise, at the local scale, rural landscapes and their relationship with the changes in environmental resources management systems, settlement patterns and population dynamics. The PDR will be requested to be able to autonomously carried out field-work investigation, as well as their elaboration and interpretation, and will be requested to coordinate and carried out the construction of a geo-referenced database of LASA research and of a catalogue of good practices of conservation and management of the rural heritage associated to a WebGis. The publication of the WebGIS will be a milestone for the prosecution of the fellowship.

Scientific disciplinary sector: L-ANT/10 METODOLOGIE DELLA RICERCA ARCHEOLOGICA

Place: Dipartimento di Antichità, Filosofia e Storia (DAFIST)

Required degree: Dottorato di ricerca in Archeologia o in Geografia Storica o in Storia.

Subjects of the interview: The interview is aimed to evaluate the candidates experience in landscape archaeology (broadly considered, thus including rural, agrarian and mountain archaeology), in historical archaeology, in the management of geo-referenced databases, and their aptitude to critical analysis and discussion, interdisciplinary research and and team work.

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

RESEARCH PROGRAM NO. 38

The assessment criteria for the qualifications and the interview will be affixed on **04.12.2020** at **8:00** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed: on **04.12.2020** at **11:00** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, Genova.

The interview will be held: on **04.12.2020** at **12:00** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Laboratorio di Archeologia e Storia Ambientale, Via Balbi 6, III piano, 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 Anna Maria Stagno via the e-mail address: anna.stagno@unige.it, phone number +39 349 3224792.

Scientific coordinator: Prof.ssa Anna Maria STAGNO.

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

Title: Historic rural landscapes: hidden environmental heritage of Ligurian Apennines.

Description: The post-doctoral fellow will actively contribute to LASA research project (with particular reference to the JpiCh - IRIS “Inspiring Rural heritage: Sustainable practices to protect and conserve upland landscapes and memories”) and to the investigation (environmental archaeology and oral sources interviews) carried out in Ligurian Apennines with the objective to historically characterise, at the local scale, rural landscapes and their relationship with the changes in environmental resources management systems, with the aims to identify their living evidence. The PDR will be requested to be able to autonomously carried out field-work investigation and/or laboratory analyses (archaeobotanical ones), as well as their elaboration and interpretation, and will be requested to contribute to the construction of a WebGis of the Living Rural Heritage of Ligurian Apennines, with particular reference, in case studies areas, to participatory maps and to identification of element of risk for its conservation.

Scientific disciplinary sector: L-ANT/10 METODOLOGIE DELLA RICERCA ARCHEOLOGICA

Place: Dipartimento di Antichità, Filosofia e Storia (DAFIST)

Required degree: Dottorato di ricerca in Archeologia o in Geografia Storica o in Storia.

Subjects of the interview: The interview is aimed to evaluate the candidate experience in rural and environmental archaeology and in oral sources interviews and their aptitude to critical analysis and discussion, interdisciplinary research and and team work.

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

RESEARCH PROGRAM NO. 39

The assessment criteria for the qualifications and the interview will be affixed on **30.11.2020** at **11:00** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed: on **30.11.2020** at **14:30** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Via Balbi 6, III piano, Genova.

The interview will be held: on **30.11.2020** at **15:00** in Dipartimento di Antichità, Filosofia e Storia (DAFIST), Laboratorio di Archeologia e Storia Ambientale, Via Balbi 6, III piano, 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 Anna Maria Stagno via the e-mail address: anna.stagno@unige.it, phone number +39 349 3224792.

Scientific coordinator: Prof.ssa Anna Maria STAGNO.

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

Finanziamento: Assegno finanziato sul progetto ERCStg 2019 G.A. n. 853539 — ANTIGONE

Title: Archaeology of sharing practices: archaeological, documentary and oral sources for the reconstruction of the process of marginalisation of European mountains, with particular reference to the Basque Country (18th-21th c.).

Description: The post-doctoral fellowship is focused on the study of the process of marginalisation of the European rural societies since the 18th c., through the investigation of the changes in sharing practices (practices to share environmental resources), studied by the ANTIGONE project with a multidisciplinary approach including archaeology, environmental archaeology, archival research and oral history. The PDR will contribute to the archival research on conflicts about environmental resources (WP1), to landscape archaeology investigations (WP2), oral sources enquiries (WP 3) with particular reference to the Basque Country, as well as to the geoarchaeological analyses (WP 4) planned in the four case studies of the project. Specific training is planned, if necessary, to complete the required competencies.

Scientific disciplinary sector: L-ANT/10 METODOLOGIE DELLA RICERCA ARCHEOLOGICA

Place: Dipartimento di Antichità, Filosofia e Storia (DAFIST)

Required degree: Dottorato di ricerca in Archeologia o in Geografia Storica o in Storia.

Subjects of the interview: The interview is aimed to evaluate the candidates experience in landscape archaeology (broadly considered, thus including rural, agrarian and mountain archaeology), in archival research and in laboratory analyses with particular reference to geoarchaeology, and their aptitude to critical analysis and discussion, interdisciplinary research and team work.

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

RESEARCH PROGRAM NO. 40

The assessment criteria for the qualifications and the interview will be affixed on 18.12.2020 at 9:00 at Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), via Balbi 2 (IV piano), Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 18.12.2020 at 13:00 at Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2 (IV piano), Genova.

The interview will be held : on 18.12.2020 at 16:00 at Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), via Balbi 2 (IV piano), 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. Andrea Aveto via the e-mail address: andrea.aveto@unige.it, phone number +39 010 2099814

Scientific coordinator: Prof. Andrea AVETO

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

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

Description: The research is 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. Within the framework of this project, 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 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; experiences 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.

SCIENTIFIC DISCIPLINARY AREA HISTORY, PHILOSOPHY, PEDAGOGY AND PSYCHOLOGY
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RESEARCH PROGRAM NO. 41

Publicity of criteria for the qualifications and the interview: on **14.12.2020** at **8:30** 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 **14.12.2020** 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 **14.12.2020** starting from **15:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Mauro Spotorno well in advance at the address e-mail: spot@unige.it, phone number +39 010 20951173

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

Scientific coordinator: Prof. Mauro SPOTORNO

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

Title: Methodologies of analysis and development strategies for a revitalization of rural areas

Description: The researcher will have to contribute to the production and validation of an investigation and preliminary analysis model for the promotion of sustainable development paths in rural areas through the development of two case studies in Liguria and Piedmont. The project aims at testing a multidisciplinary methodological approach in the field of social sciences which can be applied to other Italian and European contexts. The researcher will be asked to carry out documentary and field research in order to reconstruct territorial and landscape dynamics and socio-demographic processes of the case studies, to arrange focus groups and surveys and to contribute to the scientific production of the project

Settore scientifico-disciplinare: M-GGR/02 GEOGRAFIA ECONOMICO-POLITICA

Place: Dipartimento di Scienze Politiche

Required degree:

Laurea specialistica della classe 21/S Geografia

Subjects of the interview: Research methods in geography, internal areas of Liguria and Piedmont, rural geography, landscape.

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

RESEARCH PROGRAM NO. 42

Publicity of criteria for the qualifications and the interview: on **11.12.2020** at **9:00** 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 **11.12.2020** 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 **15.12.2020** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Paolo Piccardo well in advance at the address e-mail: paolo.piccardo@unige.it, phone number +39 010 3536145

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

Scientific coordinator: Prof. Paolo PICCARDO

NO. 1 research fellowship - Duration 3 years – Annual pre-tax amount: € 31.015,00

Title: Diversity management and Inclusive policies for boosting research in the EU

Description: The aim of the research fellowship is to contribute to the investigation of the theme of equality, diversity and inclusion in the academic surroundings, also by developing new means for sharing and participation and research in the social domain by means of quali/quantitative analysis. Gender equality and gender mainstreaming with intersectional approach will be one of the fundamental focuses of the research plan. Moreover, the fellow will perform specific research activities on enhancing social responsibility and citizens' engagement, on methods for engaging the wide community into research, and on open involvement of minorities and disadvantaged people, persons with special needs, elderly.

The fellow should have experience, competence, and skills in participation to implementation of EU Horizon 2020 projects, of deliverables drafting and project planning and monitoring.

Scientific disciplinary sector: M-PED/01 PEDAGOGIA GENERALE E SOCIALE

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree: Laurea magistrale delle classi LM-1 Antropologia culturale ed etnologia, LM-37 Lingue e letterature moderne europee e americane, LM-38 Lingue moderne per la comunicazione e la cooperazione internazionale, LM-50 Programmazione e Gestione dei Servizi Educativi, LM-52 Relazioni Internazionali, LM-56 Scienze dell'Economia, LM-57 Scienze dell'educazione degli adulti e della formazione continua, LM-78 Scienze filosofiche, LM-81 Scienze per la cooperazione allo sviluppo, LM-84 Scienze Storiche, LM-85 Scienze pedagogiche, LM-88 Sociologia e ricerca sociale, LM-90 Studi europei, LM-93 Teorie e Metodologie dell'E-learning e della media education.

Subjects of the interview: The interview will i) assess the candidate's knowledge of the topics linked to equality, diversity and inclusion, with a particular attention to gender; ii) verify competences and skills requested; iii) assess the expertise in the management of EU projects, in deliverable drafting and other activities linked to EU financed projects.

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

RESEARCH PROGRAM NO. 43

Publicity of criteria for the qualifications and the interview: on **15.12.2020** at **9:00** 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 **15.12.2020** at **15:30** 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 **16.12.2020** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Barbara Cavalletti well in advance at the address e-mail: barbara.cavalletti@unige.it, phone number +39 347 5349904.

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

Scientific coordinator: Prof.ssa Barbara CAVALLETTI

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

Title: Assess the willingness to pay for high environmental quality products.

Description: As part of the PROBIODIV European projects, "promoting biodiversity and habitats as a factor of sustainable development of the territories: implementation of a governance for the enhancement and active and participatory protection of transalpine biodiversity" (Interreg V-A ALCOTRA 2014-20), and CAMBIO VIA, "paths and biodiversity: enhancement of itineraries and accessibility for transhumance" (Interreg Maritime It-Fr 2014-20), the research in question focuses on the census of activities strongly based on high environmental quality present in the project areas and on the assessment of consumers' willingness to pay for food products produced in areas with high environmental quality.

Scientific disciplinary sector: SECS-P/03 SCIENZA DELLE FINANZE

Place: Dipartimento di Economia

Required degree: Dottorato in Economia

Subjects of the interview: i) Valuation methods for environmental accounting, also with specific reference to the evaluation of the basic environmental heritage and ecosystem services of rural areas (eg contingent evaluation, choice experiment); ii) Cognitive and management tools for sustainable and consensus-oriented public policies (e.g. green accounting, environmental accounting)

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

RESEARCH PROGRAM NO. 44

Publicity of criteria for the qualifications and the interview: on **11.12.2020** 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 **11.12.2020** 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 **11.12.2020** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Lucia Leporatti well in advance at the address e-mail: lucia.leporatti@unige.it, phone number +39 010 2095496.

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

Scientific coordinator: Prof.ssa Lucia LEPORATTI

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

Title: Economic and statistical analysis for supporting decision-makers in health care

Description: The project aims to use economic/pharmaco-economic analysis and statistical methods applied to administrative data flows to support decision-making in the social and health sector.

The focus of the project will be the Liguria Region and a Real World Evidence approach will be applied to assess the impact of some recent reforms or reform proposals through econometric and policy-evaluation tools. The most important issues that will be addressed concern: use of health services, demographic aging, chronicity, socio-demographic analysis applied to specific pathologies, drug consumption and adherence to therapy, drug distribution channels.

Scientific disciplinary sector: SECS-P/03 SCIENZA DELLE FINANZE

Place: Dipartimento di Economia

Required degree: Laurea V.O in Economia e commercio, in Economia Aziendale, in Scienze Politiche; Laurea specialistica delle classi 64/S Scienze dell'Economia, 84/S Scienze economico-aziendali, 70/S Scienze della politica, 71/S Scienze delle pubbliche amministrazioni; Laurea magistrale delle classi LM-56 Scienze dell'Economia, LM-77 Scienze economico-aziendali, LM-63 Scienze delle pubbliche amministrazioni, LM-62 Scienze della politica.

Subjects of the interview:

Health economics, economic policy, public economics, statistics and econometrics, big data analysis and data analysis software (Stata, R, Excel, SAS, others).

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

RESEARCH PROGRAM NO. 45

Publicity of criteria for the qualifications and the interview: on **10.12.2020** 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 **11.12.2020** 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 **15.12.2020** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype o Teams) by contacting Prof. Alessio Tei well in advance at the address e-mail: alessio.tei@unige.it, phone number +39 010 2095232.

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

Scientific coordinator: Prof. Alessio TEI

NO. 1 research fellowship - Duration years 3 – Annual pre-tax amount: € 27.133,00

Finanziamento: La posizione si inserisce all'interno del progetto europeo ULYSSEUS (Erasmus+) Grant Agreement No. 101004050

Title: Implementing innovations for boosting Tourism, Art and Heritage management

Description: The proposed activity will focus on the study of the innovative processes related to the promotion and management of Tourism, Art and Heritage local activities. The proposed research is linked to the creation of a Tourism, Art and Heritage Innovation Hub that aims at boosting innovative practices in the promotion of local heritage and arts as main drivers for sustainable Tourism. The Hub will be established at the University of Genoa as part of a European funded project (Ulysses Erasmus+). The selected candidate will then be expected to cooperate within the abovementioned EU project partners in order to identify a strategy for the effective initial establishment and future development of the Hub.

Scientific disciplinary sector: SECS-P/06 ECONOMIA APPLICATA

Place: Dipartimento di Economia

Required degree: Laurea magistrale delle classi LM-10 Conservazione dei beni architettonici e ambientali, LM-11 Conservazione e restauro dei beni culturali, LM-16 Finanza, LM-31 Ingegneria gestionale, LM-35 Ingegneria per l'ambiente e il territorio, LM-37 Lingue e letterature moderne europee e americane, LM-43 Metodologie informatiche per le discipline umanistiche, LM-48 Pianificazione territoriale urbanistica e ambientale, LM-49 Progettazione e gestione dei sistemi turistici, LM-50 Progettazione e gestione dei servizi educativi, LM-52 Relazioni internazionali, LM-56 Scienze dell'economia, LM-59 Scienze della comunicazione pubblica di impresa e pubblicità, LM-62 Scienze della politica, LM-63 Scienze delle pubbliche amministrazioni, LM-75 Scienze e tecnologie per l'ambiente e il territorio, LM-76 Scienze economiche per l'ambiente e la cultura, LM-77 Scienze economico-aziendali, LM-80 Scienze geografiche, LM-81 Scienze per la cooperazione allo sviluppo, LM-84 Scienze storiche, LM-87 Servizio sociale e politiche sociali, LM-88 Sociologia e ricerca sociale, LM-89 Storia dell'arte, LM-91 Tecniche e metodi per la società dell'informazione, LM-92 Teorie della comunicazione, LM-93 Teorie e metodologie dell'E-learning e della Media education.

Subjects of the interview: The interview will assess the candidate's knowledge of the tourism sector, of regional economics, and of the innovation studies applied to Tourism, Art and Heritage sectors.

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

RESEARCH PROGRAM NO. 46

Publicity of criteria for the qualifications and the interview: on **17.12.2020** 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 **17.12.2020** 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 **17.12.2020** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Paola Ramassa well in advance at the address e-mail: paola.ramassa@unige.it, phone number +39 010 2095079.

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

Scientific coordinator: Prof.ssa Paola RAMASSA

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

Title: Environmental accounting: potential implementations to high environmental quality enterprises in Liguria

Description: The research project and its activities relate to European projects PROBIODIV (Promuovere la biodiversità e gli habitat come fattore di sviluppo sostenibile dei territori: attuazione di una governance per la valorizzazione e la protezione attiva e partecipativa della biodiversità transalpina - Bando Interreg V-A ALCOTRA 2014-20) and CAMBIO VIA (Cammini e biodiversità: valorizzazione itinerari e accessibilità per la transumanza - Bando Interreg Marittimo It-Fr 2014-20). In particular, this project aims at evaluating potential implementations of environmental accounting in the context of high environmental quality enterprises in Liguria and at shedding light on the strengths/weaknesses arising from the enterprises' internal environment and the opportunities/threats arising from their external environment. The project also aims at assessing the needs of entrepreneurs operating in this context in terms of business education and training and contributing to the design of proposals addressing these needs.

Scientific disciplinary sector: SECS-P/07 ECONOMIA AZIENDALE

Place: Dipartimento di Economia

Required degree: Dottorato di Ricerca in Economia Aziendale

Subjects of the interview: Environmental accounting, financial performance analysis, qualitative methods for data collection and analysis

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

RESEARCH PROGRAM NO. 47

Publicity of criteria for the qualifications and the interview: on **10.12.2020** at **16:00** 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 **11.12.2020** 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 **11.12.2020** starting from **11:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Andrea Fabrizio Pirni well in advance at the address e-mail: andrea.pirni@unige.it, phone number +39 010 20951164.

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

Scientific coordinator: Prof. Andrea Fabrizio PIRNI

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

Title: Between the City and the Port. Citizens participatory and activation processes in Genoa and in Liguria

Description: The project aims to effectively manage the implementation of participatory and activation processes of territorial stakeholders regarding the transfer of chemical storages to port area

Scientific disciplinary sector: SPS/11 SOCIOLOGIA DEI FENOMENI POLITICI

Place: Dipartimento di Scienze Politiche (DISPO)

Required degree: Dottorato di ricerca in Scienze sociali

Subjects of the interview: Participatory processes; Areas of the Port of Genoa; Territorial stakeholders

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