THE RECTOR

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

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

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

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

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

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

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

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

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

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

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

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

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

Having regard to the Rector’s Decree no. 497 dated 16th December 2011 issuing the “Code of Ethics of the University of Genoa”;
Having regard to the “Employee Code of Conduct of the University of Genoa”, issued with Rector’s Decree no. 1143 dated 27th February 2015, implementing the Italian Presidential Decree no. 62 dated 16th April 2013, on the “Regulation on the code of conduct for civil servants according to art. 54 of the Italian Legislative Decree no. 165 dated 30th March 2001”;

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

Having regard to the resolution of the Board of Directors dated 22nd July 2015, determining the amounts to be awarded for research fellowships;

Having regard to the resolution of the Board of Directors dated 22.7.2020 whereby the schedule of procedures was last approved, pursuant to Article 1 of the aforementioned Regulation;

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

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

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

Given Law Decree no. 24 of 24.03.2022, published in the Official Gazette no. 70 of 24.03.2022, containing urgent provisions to overcome the measures to counter the spread of the COVID-19 epidemic, following the termination of the state of emergency;

HEREBY DECREES

ART. 1

Number of research fellowships

1. An announcement is made for no. 37 public selections for the awarding of no. 37 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 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 committee works collegially with the help of all the members, also with the use of telematic and digital tools. It predetermines the general criteria for the evaluation of qualifications and for the interview and makes them known by posting them on the Department's website or posting them at the exam venue.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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.
7. 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.

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

9. For the tests referred to in Annex A, which involve taking place in attendance, the interview shall take place in a room open to the public. If the research program chosen by the candidate listed in Attachment A provides that the interview may be also held electronically (video-conferencing via SKYPE or similar), and the candidate is resident or domiciled outside the Italian territory or resides or has his or her usual domicile over 300 km. away from the selection site, the interview may be held electronically, ensuring the identification of the candidate and the publicity of the test. Candidates who intend to make use of this method must declare this in their application for admission to the selection process.

10. 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.

11. The judging commission pre-determines the general criteria for the evaluation of qualifications and for the interview and makes them known by posting them on the website of the Department or by posting them at the exam venue.

12. 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 payed 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 contributes 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 of 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 ricercar (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, 29.6.2022

THE RECTOR
Signed Prof. Federico Delfino

Responsible of the procedure: Sandra Turbino
RESEARCH PROGRAM NO. 1

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 10:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 06.09.2022 at 10:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 08.09.2022 starting from 9:30 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Giovanni Alberti at the address e-mail: giovanni.alberti@unige.it.

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

Scientific coordinator: Prof. Giovanni ALBERTI

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 23,250,00

Funding: ERC StG 2021 SAMPDE

Title: Sample complexity for inverse problems.

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

Scientific disciplinary sector: MAT/05 ANALISI MATEMATICA

Place: Dipartimento di Matematica (DIMA)


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

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 2

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **06.09.2022** at 9:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **06.09.2022** at 13:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **07.09.2022** starting from 14:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Federico Benvenuto at the address e-mail: federico.benvenuto@unige.it, phone number +39 010 353 6826 or +39 010 353 6644.

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

Scientific coordinator: Prof. Federico BENVENUTO

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 23,250,00

Funding: ASI-INAF agreement number 2020-35-HH.0 "Study activities of the national community of Space Weather for the population of the ASPIS scientific data center prototype"

Title: Implementation of a prototype for data management and analysis for the ASI SPace weather InfraStructure.

Description: The researcher is expected to supervise the implementation of the ASPIS thematic science data archive prototype within the ASI-INAF numero 2020-35-HH.0 "Attività di studio della comunità nazionale dello Space Weather per il popolamento del prototipo di centro dati scientifico ASPIS" project. During this fellowship, the researcher will implement computational methods for the management and analysis of space weather data.

Scientific disciplinary sector: MAT/08 ANALISI NUMERICA

Place: Dipartimento di Matematica (DIMA)


Subjects of the interview: The interview will mainly focus on the knowledge machine learning methods for the forecasting of solar physics events and their Python implementation.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 3

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 07.09.2022 at 9:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 07.09.2022 at 12:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 07.09.2022 starting from 16:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Maurizio Leotta at the address e-mail: maurizio.leotta@unige.it, phone number: +39 0103536704.

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

Scientific coordinator: Prof. Maurizio LEOTTA

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367.00

Title: Research and development of software for the parallel execution of end-to-end test cases for Web applications.

Description: The candidate must participate in the research of the DIBRIS software testing group. In particular, she/he will have to deal with the development of software that allows the parallel execution of end-to-end test cases for Web applications using the Selenium testing framework (WebDriver and Grid). This task is complicated by the presence of dependencies between test cases and the flakiness problem.

Scientific disciplinary sector: INF/01 INFORMATICA

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

Required degree: Laurea V.O. in Informatica; Laurea Specialistica della classe 23/S Informatica; Laurea Magistrale della classe LM-18 Informatica.

Subjects of the interview: Software testing, Software testing tools, Test automation, Mobile testing, Web testing, IoT testing, main testing frameworks both at the unit testing level (JUnit and TestNG) and at the end-to-end level (e.g. Selenium WebDriver for web applications and Appium for mobile applications), Parallel execution of test cases.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 4

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 08.09.2022 at 9:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 08.09.2022 at 12:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 08.09.2022 at 14:00 at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova.

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

Scientific coordinator: Prof.ssa Francesca Odone

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

Title: Self supervised methods for 3D object detection and scene analysis.

Description: The goal of the research is to design and implement computer vision algorithms for the automatic analysis of 3D scenarios, with the aim of estimating 3D objects pose. Reference application are self-driving vehicles in the terrestrial and marine environment; we will employ RGB cameras, even if we will consider other sensors (for example Lidar or RGBD cameras) to be used in training phase only. Objects can be other vehicles, people, or static elements in the environment. Efficiency and robustness under adverse acquisition conditions (bad weather or night scenes) will be further fields of investigation.

Scientific disciplinary sector: INF/01 INFORMATICA

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


Subjects of the interview: Machine learning theory and algorithms (deep learning, self-supervised learning), computer vision (detection and tracking) e computer vision 3D (depth estimation, pose estimation).

The candidate will need to prove his/her knowledge of the english language.
Research Program No. 5

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 14:00 at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 05.09.2022 at 18:00 at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 06.09.2022 at 14:00 at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova.

Scientific coordinator: Prof. Fabrizio PARODI

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

Title: Development of Pixel detectors for HL-LHC and their application to the real-time selection of b-jets.

Description: The winner of the present fellowship will be fully involved in the construction of the Outer Endcap of the ITk Pixel detector, to be installed in the ATLAS experiment for the HL-LHC phase. In particular, he/she will contribute to the following activities: assembly of the “3D” modules and their qualification, in laboratory and in test-beams, before and after irradiation; thermal and mechanical qualification of carbon supports; development of a database to organize the data collected during the production and qualification phase. As part of the real-time selection of b-jets, the candidate will contribute to the study of new algorithms with emphasis on the development of neural network models and their optimization in terms of performance and latency.

Scientific disciplinary sector: FIS/01 FISICA SPERIMENTALE

Place: Dipartimento di Fisica (DIFI)

Required degree: Laurea Magistrale della classe LM-17 Fisica.

Subjects of the interview: Physics of semiconductor detectors for High Energy Physics experiments; Data Acquisition and control for Pixel detectors; Trigger for experiments at hadronic colliders.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 6

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 08.09.2022 at 10:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 08.09.2022 at 13:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 08.09.2022 starting from 16:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Alessandro Petrolini at the address e-mail: Alessandro.petrolini@ge.infn.it

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

Scientific coordinator: Prof. Alessandro PETROLINI

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

Title: Characterization and development of fast pixelated single photon photodetectors for large area for the next generation experiments at the Large Hadron Collider.

Description: The high sensitivity photon detection is fundamental in many different fields. The Silicon Photomultipliers (SiPMs) have several features which make them to be considered as candidate photodetectors for many applications. Improvements are needed to be used in high radiation environments. To improve the performance of the LHCb Ring Imaging Cherenkov (RICH) detector in a high multiplicity environment during the high luminosity phase of the Large Hadron Collider, a high precision reconstruction capability of the single photon timing and spatial coordinates is needed. The study and characterisation of photodetector prototypes both in laboratory and with tests on particle beam will allow to optimize the development process in close collaboration with industrial partners. The obtained results will be also used to develop the simulations to optimize the new design of the detector.

Scientific disciplinary sector: FIS/01 FISICA SPERIMENTALE

Place: Dipartimento di Fisica (DIFI)

Required degree: Dottorato di ricerca in Fisica.

Subjects of the interview: Photodetectors, Cherenkov detector, LHCb experiment upgrade.

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 05.09.2022 at 09:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 05.09.2022 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 05.09.2022 starting from 15:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Paolo Prati at the address e-mail: prati@ge.infn.it, phone number: +39 0103536439.

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

Scientific coordinator: Prof. Paolo PRATI

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

Title: Study of nuclear reactions of the Ne-Na cycle with the LUNA experiment at the Gran Sasso National Laboratory

Description: The work of the research fellowship is part of the study with the LUNA-400 accelerator of some processes of the Neon-Sodium cycle relevant for the massive stars of the asymptotic branch. In particular, it will focus on the study of the $^{21}$Ne (p, $^\alpha$) $^{22}$Na reaction, which is linked to the production within novae and supernovae of the unstable radioactive isotope $^{22}$Na: its decay is also observable with gamma-ray telescopes even 2-3 years after the explosion and provides precise constraints on the nucleosynthesis processes in these stars. The candidate will have to develop the reaction simulation code, participate in the acquisition of data at the Gran Sasso National Laboratories and their analysis.

Scientific disciplinary sector: FIS/04 FISICA NUCLEARE E SUBNUCLEARE

Place: Dipartimento di Fisica (DIFI)

Required degree: Laurea V.O. in Fisica; Laurea Specialistica della classe 20/S Fisica, Laurea magistrale della classe LM-17 Fisica.

Subjects of the interview: Stellar evolution and nucleosynthesis, nuclear astrophysics, experimental techniques for rare events detection.

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 07.09.2022 at 09:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 07.09.2022 at 12:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 07.09.2022 starting from 15:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Paolo Prati at the address e-mail: prati@ge.infn.it, phone number: +39 0103536439.

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

Scientific coordinator: Prof. Paolo PRATI

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 23,250,00

Title: Study of bacteria viability by an atmospheric simulation chamber

Description: The research program is aimed at studying the relationship between bacterial viability and atmospheric pollutants. The working tool is an atmospheric simulation chamber in which viable bacteria can be placed in contact with gaseous pollutants and in the form of aerosols.

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

Place: Dipartimento di Fisica (DIFI)


Subjects of the interview:
microbiology, atmospheric aerosols

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 05.09.2022 at 09:30 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 06.09.2022 at 16:30 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 09.09.2022 starting from 9:30 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Davide Peddis at the address e-mail: davide.peddis@unige.it, phone number: +39 3477728174.

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

Scientific coordinator: Prof. Davide PEDDIS

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

Title: Reuse of Rare Earth based permanent magnets

Description: End-of-Life (EoL) rare-earth (RE) -based permanent magnets (PMs) are essential components for different industrial processes and are also key components of many technological products. The candidate will develop a process to reuse EoL-POM. In particular, the activity will be devoted to: (a) milling NFB PM EoL to powders with final controlled size and size distribution; (b) homogeneous dispersion of the produced magnetic powders within thermoplastic and/or thermosetting polymers to yield a fusible composite formulation; (c) sintering (potentially magnetically assisted) of PMs starting from produced magnetic powders.

Scientific disciplinary sector: CHIM/02 CHIMICA FISICA

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)


Subjects of the interview: Magnetism permanent Magnet.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 10

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **05.09.2022** at **11:30** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **06.09.2022** at **18:30** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on **09.09.2022** starting from **11:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Diego Colombara at the address e-mail: diego.colombara@unige.it.

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

Scientific coordinator: Prof. Diego COLOMBARA

**NO. 1 research fellowship - Duration year 1 – Annual pre-tax amount: € 19,367.00**

**Title:** Study of extrinsic doping of chalcogenides and coating with functional oxides.

**Description:** Chalcogenides are a family of inorganic compounds with great interest for a range of opto-electronic applications (solar cells, LEDs, etc.). The extrinsic doping of chalcogenides enables to modify their opto-electronic properties in order to optimise energy conversion processes, whereas coating the chalcogenides with functional oxides is a pre-requisite for device fabrication. The candidate will explore processes of combinatorial doping, will develop the procedures to coat functional oxides and will undertake the characterization of materials and photovoltaic devices in order to maximise their efficiency.

**Scientific disciplinary sector:** CHIM/03 CHIMICA GENERALE ED INORGANICA

**Place:** Dipartimento di Chimica e Chimica Industriale (DCCI)

**Required degree:** Laurea Magistrale delle classi LM-17 Fisica, LM-53 Scienza e Ingegneria dei materiali, LM-54 Scienze Chimiche.

**Subjects of the interview:** Solar cells; Extrinsic doping; Chemical bath deposition

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 11

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 10:30 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 06.09.2022 at 17:30 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 09.09.2022 starting from 10:30 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Diego Colombara at the address e-mail: diego.colombara@unige.it.

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

Scientific coordinator: Prof. Diego COLOMBARA

NO. 1 research fellowship - Duration year 1 – Annual pre-tax amount: € 19,367.00

Title: Study of electrochemical processes in smart magnetic fluids.

Description: Smart magnetic fluids (SMF) are dispersions of magnetic particles (MP) whose properties are controlled remotely via magnetic fields. Adding electroactive species to SMFs expands their functionalities enabling to selectively activate or deactivate electrochemical processes through MPs-induced diffusion control. Thus, innovative applications include both surface modification and sensing. The candidate will measure electrochemical processes in SMFs as a function of magnitude and distribution of magnetic field gradients, and describe them numerically and analytically.

Scientific disciplinary sector: CHIM/03 CHIMICA GENERALE ED INORGANICA

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)


Subjects of the interview: Electrochemistry; Magnetism; Nanoparticles.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 12

Predetermination and publication of criteria for the qualifications and the interview: on 07.09.2022 at 10:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 07.09.2022 at 18:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 08.09.2022 starting from 9:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Raffaella Boggia at the address e-mail: Raffaella.Boggia@unige.it or boggia@difar.unige.it, phone number: +39 3407874826 / +39 0103352643.

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

Scientific coordinator: Prof.ssa Raffaella BOGGIA

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

Funding: EcoeFISHent- Demonstrable and replicable cluster implementing systemic solutions through multilevel circular value chains for eco-efficient valorization of fishing and fish industries side-streams (H2020-LC-GD-2020-3; No:101036428)

Title: Extraction and formulation of bioactive compounds from agro-industrial food waste by green technologies.

Description: EcoeFISHent is a project funded under the European Horizon 2020 program, which proposes the development in Liguria and the international export of a circular economy model aimed at enhancing waste materials from the fish supply chain and awaiting the environmental impact given by changes in the use of plastic in fishing nets and in fish transport boxes. The research assistant will actively participate in research activities useful both for the optimization of the environmentally friendly extraction process of bioactive compounds, with special attention to the peptides deriving from collagen extracted from waste and / or by-products of the fish supply chain, and for the development of upscaling on a semi-scale pilot of this process. In particular, the extraction process will be performed using enzymes and / or assisted by ultrasound

Scientific disciplinary sector: CHIM/10 CHIMICA DEGLI ALIMENTI

Place: Dipartimento di Farmacia (DIFAR)


Subjects of the interview: Principles of food chemistry and of main food processing methods, principles of food analysis, green extraction methods compatible with foodstuff/by-products/agro-fishery-waste, formulation technologies of bioactive compounds for application in the food sector, principles of multivariate experimental design (DoE: design of experiments) applied in the sector agro-fishery-food.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 13

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 10:00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Building 12, Palace of Sciences, 7th floor Library (Zoology), Corso Europa 26, I, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 06.09.2022 at 14:00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Building 12, Palace of Sciences, 7th floor Library (Zoology), Corso Europa 26, I, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 07.09.2022 at 14:00 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Building 12, Palace of Sciences, 7th floor Library (Zoology), Corso Europa 26, I, 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. Stefano SCHIAPARELLI

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

Funding: Project "University of Genoa for Scientific Culture (Unige-CS) - systematic recognition, digitization and dissemination of the Cultural Heritage of the Genoese University" (Agreements and Agreements - Law 113/91 D.D. 1662 of 22-10-2020 ACPR20_00227).

Title: Systematic inventory of the collections of the Museum of Chemistry and the Museum of Ethnomedicine of the University of Genoa.

Description: The research activity is part of the project University of Genoa for Scientific Culture (Unige-CS) - systematic reconnaissance, digitisation, and dissemination of the Cultural Heritage of the University of Genoa. It consists in the systematic reconnaissance of the collections of the Museum of Chemistry and the Museum of Ethnomedicine with the aim of contributing to the analysis of the contents of the Museums in order to implement their dissemination to the public by also enhancing the dissemination of their scientific collections. The activities to be developed include the collection and organisation of information on the artefacts exhibited at the Museums, the contribution to the analysis of the collected data, the collaboration in the preparation of reports, scientific publications, and scientific communication activities (congresses, cultural mediation) and in other ongoing research initiatives on research-related topics. The skills required relate to basic knowledge in the fields of chemistry and/or pharmacology and an aptitude for the collection, systematic classification and dissemination of historical-scientific data.

Scientific disciplinary sector: CHIM/12 CHIMICA DELL’AMBIENTE E DEI BENI CULTURALI
Place: Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV)
Subjects of the interview: - basic knowledge of 19th and 20th chemical laboratory equipment - techniques for recovering museum collections following events that threaten to compromise their state of preservation - scientific museology - scientific and historical heritage enhancement - computer archivistics

The candidate will need to prove his/her knowledge of the english language.
Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 09:00 at Dipartimento di Medicina Sperimentale (DIMES), Sezione Fisiologia Umana, Viale Benedetto XV, n3, Genova. The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 05.09.2022 at 12:00 at Dipartimento di Medicina Sperimentale (DIMES), Sezione Fisiologia Umana, Viale Benedetto XV, n3, Genova. The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 05.09.2022 at 15:00 at Dipartimento di Medicina Sperimentale (DIMES), Sezione Fisiologia Umana, Viale Benedetto XV, n3, 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. Pietro BALDELLI

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


Title: Membrane targeted light driven nanoactuators for neuro-stimulation.

Description: This project aims at studying new intramembrane, molecular light actuators that elicit living cell photostimulation. The actuators are based on photochromic and amphiphilic moieties that dwell in the cell membrane and upon illumination behave like light driven molecular machines that perturb the membrane environment enough to hyperpolarize or depolarize the cell. The workplan includes the study of their effect in cell membranes, including that of excitable cells, by using in-vitro electrophysiology. The activity will bring new knowledge in the field of non-genetic cell photostimulation and it will develop innovative neuro-technologies for the study of the central nervous system with special reference to the learning and adaptation strategies of the nervous tissue and the relationships between neural molecules and information coding and processing in the brain. Moreover, it will pave the way to new clinical applications addressing vision and central nervous system disorders.

Scientific disciplinary sector: BIO/09 FISIOLOGIA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Dottorato di Ricerca in Neuroscienze.

Subjects of the interview: PhD project/thesis and past research experience.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 15

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 08.09.2022 at 12:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 09.09.2022 at 12:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 09.09.2022 starting from 13:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Alessio Nencioni at the address e-mail: alessio.nencioni@unige.it, phone number: +39 347 4748422.

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

Scientific coordinator: Prof. Alessio NENCIONI

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367,00

Title: Role of metabolic interventions in the contrast to immunosenescence and cancer.

Description: The successful candidate will be involved in performing ex vivo studies in patients enrolled in a clinical study of periodic fasting in older patients who receive their flu vaccine with or without short term fasting (FAIS).

Scientific disciplinary sector: MED/09 MEDICINA INTERNA

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

Required degree: Laurea V.O. in Scienze biologiche, in Medicina e Chirurgia; Laurea specialistica delle classi 6/S Biologia, 46/S Medicina e chirurgia; Laurea magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale, LM-41 Medicina e chirurgia, LM-61 Scienze della nutrizione umana, LM-70 Scienze e tecnologie alimentari

Subjects of the interview: Fasting’s pro-regenerative effects; fasting’s antitumor effects; cell metabolism in T lymphocytes and in cancer cells.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 16

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 09:30 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Clinica Neurologica, Largo Paolo Daneo 3, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 05.09.2022 at 12:30 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Clinica Neurologica, Largo Paolo Daneo 3, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 05.09.2022 at 14:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Clinica Neurologica, Largo Paolo Daneo 3, 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 Matilde Inglese via the email address m.inglese@unige.it, phone number: +39 010 3537028

Scientific coordinator: Prof.ssa Matilde INGLESE

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

Funding: Horizon 2020 - 3TR - 831434 - Identification of the Molecular Mechanisms of non-response to Treatments, Relapses and Remission in Autoimmune, Inflammatory, and Allergic Conditions

Title: Identification of the Molecular Mechanisms of non-response to Treatments, Relapses and Remission in Autoimmune, Inflammatory, and Allergic Conditions.

Description: The project aims at the collection of clinical, immunological and imaging data from patients with Multiple Sclerosis diseases in order to identify biomarkers of treatment response.

Scientific disciplinary sector: MED/26 NEUROLOGIA

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


Subjects of the interview: Platforms for collection, storage and quality control of multidimensional biomedical data. How to create a budget for multicenter studies. Armonization of biomedical data from national and international centers participating into the same project.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 17

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 08.09.2022 at 12:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Clinica Neurologica, L. go P. Daneo 3, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 08.09.2022 at 15:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Clinica Neurologica, L. go P. Daneo 3, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 09.09.2022 at 16:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Aula Multimediale – Clinica Neurologica, L. go P. Daneo 3, 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. Angelo SCHENONE

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

Title: From eyes to the brain: how we interpret the world around us

Description: Our perception corresponds to an attempt at interpretation by the brain. The brain adds, subtracts, rearranges and encodes all sensory information to interact with the outside world. Many parts of the brain contribute to each and every perception, so people can reconstruct the world around them in different ways. This applies to perceptual qualities such as shape, movement and color vision. The study conducted on a certain number of people allows us to analyze the different interpretations and readings of the same image.

Scientific disciplinary sector: MED/26 NEUROLOGIA

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

Required degree: Laurea specialistica della classe 95/S Storia dell’arte; Laurea magistrale della classe LM-89 Storia dell'arte.

Subjects of the interview: How to read and interpret an image.

The candidate will need to prove his/her knowledge of the English language.
RESEARCH PROGRAM NO. 18
Predetermination and publication of the criteria for the evaluation of qualifications and the interview:
on 08.09.2022 at 09:30 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), at Neurologia Pediatrica e Malattie Muscolari, Via Gaslini, Padiglione 16, I piano, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 08.09.2022 at 12:30 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), at Neurologia Pediatrica e Malattie Muscolari, Via Gaslini, Padiglione 16, I piano, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 08.09.2022 at 13:00 at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), at Neurologia Pediatrica e Malattie Muscolari, Via Gaslini, Padiglione 16, I 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. Pasquale Striano via the email address: pstriano@unige.it.

Scientific coordinator: Prof. Pasquale STRIANO

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 23,250.00

Funding: 1387/2021 INVESTIGATOR INITIATED STUDY AGREEMENT PTC Therapeutics “Genetic screening for DDC pathogenic variants in children with non lesional developmental encephalopathy”

Title: Characterization of a dataset of patients with genetic epilepsy through the epi25 collaborative study.
Description: In 2014 collaborators from around the world created the Epi25 Collaborative to exome sequence as many as 25,000 patients with epilepsy. The collaborative has generated 6,242 exomes in 2016 an additional 7,561 exomes in 2017 and has 1,005 ready for sequencing in 2018. The goal is to determine the extent to which rare and common epilepsies share genetic underpinnings and whether genetic risk arises from de novo mutations or from genetic variants. By developing clinical phenotypic datasets to pair with a massive number of epilepsy exomes, we expect to find evidence that accurate and detailed phenotypic data reduces genetic heterogeneity, allows for identification of a well-matched replication cohort and clarifies the phenotypic spectrum associated with a gene. This approach will help us address fundamental questions about the importance of rare variants, common variants, or de novo changes as the basis for specific forms of epilepsy

Scientific disciplinary sector: MED/38 PEDIATRIA GENERALE E SPECIALISTICA
Place: Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI)

Required degree: Laurea V.O. in Scienze biologiche; Laurea specialistica della classe 6/S Biologia; Laurea magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-41 Medicina e Chirurgia.

Subjects of the interview: Epilepsy, epileptic encephalopathies, diagnostic techniques in epilepsy

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 19

Predetermination and publication of the criteria for the evaluation of qualifications and the interview:
on 08.09.2022 at 9:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 08.09.2022 at 12:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 08.09.2022 starting from 15:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Sebastiano La Maestra at the address e-mail: sebastiano.lamaestra@unige.it, phone number: +39 010 3358518.

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

Scientific coordinator: Prof. Sebastiano LA MAESTRA

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367,00

Funding: Call FISR 2019 - GRATA project UGOV project code 100011-2020-SL-OTHER-EP-N_FISR2019; CUP B34G19000690008

Title: Graphene quantum dots-based theranostic agents for solid tumors

Description: The project is aimed to develop and biological evaluation of graphene quantum dots (GQDs) for the treatment of solid tumours when conjugated to drugs doxorubicin (DOX), bortezomib (BZB) and novel proteasome inhibitors. The candidate should have extensive experience in cancer chemoprevention research, preclinical model studies (in vivo and in vitro), molecular biology techniques, and biostatistics. Moreover, the fellow will be responsible for ex vivo analysis of liver biopsy samples for gene expression analysis.

Scientific disciplinary sector: MED/42 IGIENE GENERALE E APPLICATA

Place: Dipartimento di Scienze della Salute (DISSAL)

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


The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 20
Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 08.09.2022 at 12:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 08.09.2022 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 09.09.2022 starting from 10:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Giovanni Besio at the address e-mail: giovanni.besio@unige.it, phone number: +39 328 4847837.

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

Scientific coordinator: Prof. Giovanni BESIO

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

Title: Assessment of coastal vulnerability due to storm surge and storm surges in a climate change context

Description: As part of the research activities of this grant, it is planned to develop numerical models for the simulation of storm surge and wave motion generation and propagation within the Mediterranean basin. The models thus implemented will be used for the development of hindcast datasets and climate projections to 2100 in order to carry out statistical analyses of changes in the meteomarine forcings responsible for coastal erosion and inundation phenomena.

Scientific disciplinary sector: ICAR/02 COSTRUZIONI IDRAULICHE E MARITTIME E IDROLOGIA
Place: Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA)
Required degree: Laurea V.O. in Ingegneria Civile, in Ingegneria per l'ambiente e il territorio, in Fisica; Laurea specialistica delle classi 20/S Fisica, 28/S Ingegneria civile, 38/S Ingegneria per l'ambiente e il territorio, 50/S modellistica matematico-fisica per l'ingegneria; Laurea magistrale delle classi LM-17 Fisica, LM-23 Ingegneria civile, LM-35 Ingegneria per l'ambiente e il territorio, LM-44 Modellistica matematico-fisica per l'ingegneria.

Subjects of the interview: Basic knowledge of fluid mechanics and wave motion; Knowledge of numerical models for simulating marine dynamics (waves, currents, free surface); Knowledge of programming and scripting languages

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 21

Scientific coordinator: Prof. Luca G. LANZA

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367,00

Title: laboratory calibration and field validation of opportunistic precipitation measurements from moving vehicles.

Description: The work consists in operating and adapting a laboratory equipment available at DICCA for the generation of raindrops of a predefined size, frequency and fall velocity, aimed at calibrating rain intensity monitoring sensors to be installed on moving vehicles. Rainfall measurements obtained from a few such sensors installed on vehicles traveling across the territory of the town of Genova within the activities of the project RUN – “Resilience of the Urban environment: Now-casting of the risk of flooding using IoT sensors and Open Data” of the Regional Operational Programme (POR) 2014-2020 of the Liguria Region, will be compared with high-quality traditional rainfall measurements to validate the system for the purposes of real-time monitoring of rainfall events in the urban environment.

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

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

Required degree: Laurea Magistrale della classe LM-35 Ingegneria per l’ambiente e il territorio

Subjects of the interview: Precipitation measurements using traditional and innovative sensors, non-catching instruments, opportunistic rainfall measurement methods, calibration methods for catching and non-catching instruments, national and European standards, traceability, laboratory rainfall generators

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 22

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 10:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 05.09.2022 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 05.09.2022 starting from 17:30 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Serena Cattari at the address e-mail: serena.cattari@unige.it, phone number: +39 3297913371

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

Scientific coordinator: Prof.ssa Serena CATTARI

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367,00

Title: Model-based data-informed strategies for the seismic safety assessment of masonry buildings.

Description: Development of integrated strategies combining computational modelling and experimental measurements from structural monitoring, aimed at defining a seismic behavioural chart of monitored structures that allows the quick assessment of the structural integrity (severity, extent and localization of the damage) based on experimentally-identified spectral information (frequencies, modes, damping). The research will be mainly addressed to masonry buildings.

Scientific disciplinary sector: ICAR/09 TECNICA DELLE COSTRUZIONI

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


Subjects of the interview: The interview is aimed to verify the knowledge of the Candidate over the following general themes: structural monitoring; ambient vibration tests (AVTs) and their interpretation for the identification of dynamic properties; seismic response of the existing masonry (URM) buildings; modelling approaches for URM buildings. A preferential evaluation element will be the experiences that document past activities and competences already acquired in the framework of numerical modeling for the nonlinear analysis of URM buildings, as well as those in AVTs. Moreover, the ability to summarize and the effectiveness in illustrating basic concepts will be evaluated.

The candidate will need to prove his/her knowledge of the english language.
Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 09.09.2022 at 09:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 09.09.2022 at 12:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 09.09.2022 starting from 15:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Diego Villa at the address e-mail: diego.villa@unige.it, phone number: +39 010 3352345.

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

Scientific coordinator: Prof. Diego VILLA

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367.00

Title: Development of a numerical procedure for hull and propeller design by optimization by means of surrogate techniques

Description: The activity, carried out in collaboration with Cetena S.p.A. concerns: the testing of numerical strategies for the design of hull shapes through optimization, using numerical tools already available at the department; and the implementation of additional features to the numerical tools 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 designDescription 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 designBasic design principles, constraints and degrees of freedom.

The candidate will need to prove his/her knowledge of the english language.
**RESEARCH PROGRAM NO. 24**

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **09.09.2022 at 12:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **09.09.2022 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 **09.09.2022 starting from 16:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Matteo Zoppi at the address e-mail: matteo.zoppi@unige.it. phone number +39 3204382160

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

**Scientific coordinator:** Prof. Matteo ZOPPI

**NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount:** € 19,367,00

**Funding:** Measure. POR FESR 2014-2020 - Axis 1 - Action 1.2.4 - Research and Innovation Poles. Support for the implementation of complex research and development projects for companies associated with the Research and Innovation Centers - Call 2020.

**Title:** Prognostic Maintenance of Industry 4 and Biomedical appliances using Artificial Neural Networks on chip, Distributed Ledger Technology and IoT sensors on Edge computing: models, SW implementation and integration.

**Description:** The project envisages the creation of a platform for the delivery of prognostic and predictive maintenance services of products in the MedTech and Industry 4.0 sectors using on chip Artificial Neural Networks, Edge AI, DLT and Industrial IoT technologies. A platform for the remote management of medical equipment will be created. The candidate will do Microsoft Azure ™ full stack programming with design and implementation of sw in web/cloud compliant technologies as well as development of DOCKER and NodeJs solutions using ASP.net C # and Python, Javascript, html and css, the .Net/NetCore Framework, SQL and relational databases, DBMSs (eg TimeScale and Influx Data), IOTA DLT.

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

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


**Subjects of the interview:** Edge computing, Industrial IoT, Artificial Neural Networks, physics-based modelling and digital twin.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 25

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **05.09.2022 at 10:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **06.09.2022 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 **06.09.2022 starting from 15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Roberto Revetria at the address e-mail: roberto.revetria@unige.it, phone number: +39 320 7982156

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

Scientific coordinator: Prof. Roberto REVETRIA

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

**Title:** Quantitative Models for Enhancing Sustainability, Competitiveness and Safety in Industrial Production, Logistics, Healthcare and Government.

**Description:** The research activity will focus on the development of quantitative models, including simulations, to support the analysis of logistical, production and service processes, both industrial and healthcare and public administration to facilitate the ecological transition towards sustainability and increase the level of safety towards natural and artificial events through the reduction of the magnitude of adverse events or the reduction of the probability of occurrence. Teaching activities on research topics should be provided for up to 60 hours per semester.

**Scientific disciplinary sector:** ING-IND/17 IMPIANTI INDUSTRIALI MECCANICI

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

**Required degree:** Laurea magistrale della classe LM-26 Ingegneria della sicurezza.

**Subjects of the interview:** Modeling and Simulation, Discrete Event Simulation, Statistics Risk Analysis, Safety, Natural and Man Made Disasters, Process Modeling and Analysis

The candidate will need to prove his/her knowledge of the english language.
**RESEARCH PROGRAM NO. 26**

**Predetermination and publication of the criteria for the evaluation of qualifications and the interview:** on **06.09.2022 at 8:30** at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Opera Pia 15, Genova.

The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

**Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview:** on **06.09.2022 at 12:00** at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Opera Pia 15, Genova.

The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

**The interview will be held:** on **06.09.2022 at 15:00** at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Opera Pia 15, 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. Bruno Fabiani via the email address brown@unige.it, phone number: +39 0103352585

**Scientific coordinator:** Prof. Bruno FABIANO

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

**Funding:** DRIVERS project Combined data-driven and experience-driven approach to systemic risk analysis (Bando BRIC 2021 INAIL)

**Title:** Risk assessment in industrial activities in connection with energetic transition and digitalization.

**Description:** The research project aims to develop a tool to support the assessment of "emerging" hazards to improve the ability of industrial systems to respond to "exponential" changes due to digitalisation, energy transition and climate change, through solutions integrating the expert-knowledge with the availability of data. The main objectives of the project are: the identification of factors and sub-factors having an accelerating and braking action; development and statistical processing of *ad hoc* questionnaires for data collection; development of predictive approaches to risk analysis through the use of machine-learning techniques and statistical data processing; identification of "weak signals" in process plants as precursors of accidents suitable for dynamic risk evaluation.

**Scientific disciplinary sector:** ING-IND/25 IMPIANTI CHIMICI

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

**Required degree:** Laurea Magistrale delle classi, LM-21 Ingegneria Biomedica, LM-22 Ingegneria Chimica, LM-26 Ingegneria della Sicurezza, LM-32 Ingegneria Informatica, LM-33 Ingegneria Meccanica, LM-35 Ingegneria per l'Ambiente e il Territorio

**Subjects of the interview:** Laboratory techniques and data elaboration, statistics, assessment and management of industrial and environmental risk, industrial resilience, big-data analysis, data-driven models, hidden-markov model, neural networks.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 27
Predetermination and publication of the criteria for the evaluation of qualifications and the interview:
on 05.09.2022 at 8:30 at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Opera Pia 15, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 05.09.2022 at 12:00 at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Opera Pia 15, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 05.09.2022 at 15:00 at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via Opera Pia 15, 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. Bruno Fabiani via the email address: brown@unige.it, phone number: +39 0103352585

Scientific coordinator: Prof. Bruno FABIANO

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

Funding: RESMOD project - RESilience enhancement MODel (SAF € RA 2021)

Title: Design of a systemic resilience model for managing emerging pandemic risks.

Description: The research project aims at the development of a conceptual model for the Organizational Resilience evaluation for different industrial sectors, relying on the actual experience gained in the pandemic context, through an innovative method based on a data-driven approach that allows managing emerging pandemic risks. The objectives of the project are: the identification of industrial activities liable to be impacted by the pandemic context in terms of business continuity, absence of personnel in strategic plants / equipment, activity/plant section shut-down massive reduction of on-site personnel for emergency preparation, etc.; development and statistical processing of ad hoc questionnaires for each industrial sector on working background information and covering of various critical issues; development of operational resilience check-lists; identification of the significant precursors of an accident or near miss during pandemic contexts and development of operational resilience indicators; preliminary design of resilience models.

Scientific disciplinary sector: ING-IND/25 IMPIANTI CHIMICI

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


Subjects of the interview: Data elaboration techniques and statistics, safety culture, human factor evaluation, assessment and management of industrial and environmental risk, big-data analysis, data-driven models.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 28

Predetermination and publication of the criteria for the evaluation of qualifications and the interview:
on **05.09.2022** at **14:30** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 11A, Genova
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on **07.09.2022** at **14:30** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia 11A, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **07.09.2022** at **15:00** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), CompSys laboratory (2nd floor), Via Opera Pia 11A, 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 STORACE

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 23,250,00

Title: Identification of parameters in complex networks of dynamical systems

Description: The research activity is aimed to develop:
- a method to estimate the synaptic weights in neural networks, e.g., central pattern generators (nodes: neuron models) or brain networks (nodes: neural mass models), by imposing that a given network admits stable cluster synchronous solutions, e.g., starting from static networks deduced from fMRI imaging and/or anatomic knowledge
- a method for estimating the inertia in power grids containing renewable energy sources, e.g., photovoltaic and wind power plants. The goal in this case is to manage the production of synthetic inertia through proper control systems
- Matlab software tools, which both implement the developed methods and simulate the complete networks.

Scientific disciplinary sector: ING-IND/31 ELETTROTECNICA

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

Required degree: Laurea magistrale delle classi LM-21 Ingegneria Biomedica, LM-28 Ingegneria Elettrica.

Subjects of the interview: Central pattern generators, brain networks, neural models, models of power grids, stability analysis, Matlab programming.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 29

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 09.09.2022 at 10:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 09.09.2022 at 14:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 09.09.2022 starting from 16:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Enrico Simetti 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 years 1 – Annual pre-tax amount: € 23,250,00

Title: Obstacle detection and avoidance for autonomous underwater vehicles.

Description: The objective of this research grant is the development of an obstacle detection and avoidance module for autonomous underwater vehicles. The vehicle will be endowed with a forward-looking sonar and a camera. First, it will be necessary to develop image processing and machine learning algorithms for both the acoustic and optical images, with the goal of detecting the position of the obstacles. Then, the research will focus on the development of control strategies to avoid the detected obstacles.

Scientific disciplinary sector: ING-INF/04 AUTOMATICA

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


Subjects of the interview: Marine robotics, robot control, computer vision, image processing techniques, C++ programming, ROS, ROS2, machine learning.

The candidate will need to prove his/her knowledge of the English language.
RESEARCH PROGRAM NO. 30

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 07.09.2022 at 9:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 07.09.2022 at 12:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 07.09.2022 starting from 13:00 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Paolo Massobrio at the address e-mail: paolo.massobrio@unige.it. phone number +39 0103352761

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

Scientific coordinator: Prof. Paolo MASSOBRIO

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

Title: Development and characterization of an in vitro experimental model based on heterogeneous neurospheroids.

Description: The objective of the research project consists in the definition of an experimental protocol that allows the realization of neuronal assemboids coming from different cerebral districts (e.g. cortex, hippocampus) in order to build engineered networks of three-dimensional neurons to be coupled to Micro-Electrode Arrays (MEAs). In addition, the project provides for the characterization of the networks thus obtained through the development of algorithms for the characterization of the electrophysiological activity in order to evaluate any variations in function of the components (neurospheroids) used.

Scientific disciplinary sector: ING-INF/06 BIOINGEGNERIA ELETTRONICA E INFORMATICA

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


Subjects of the interview: Multi-channel data acquisition systems; data management and analysis software techniques; techniques for the compartmentalization of microelectrode arrays; in vitro experimental models of excitable cells.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 31

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 12:00 at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 05.09.2022 at 15:00 at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 05.09.2022 at 16:00 at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Montallegro 1, 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 or Teams video conference call) promptly contacting Prof.ssa Loredana Magistri via the email address loredana.magistri@unige.it, phone number: +39 3204320015

Scientific coordinator Prof.ssa Loredana MAGISTRI

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

Title: Dynamic simulation of fuel cell systems for marine applications.

Description: The Engimmonia research project involves the study of an electrical generation system for naval applications that allows the decarbonization of the sector and the integration of renewable sources. The research activities will concern the dynamic modelling of the whole Fuel Cell system for the evaluation of plant performance, on-board integration, fixed and variable costs and the reduction of overall emissions. The control system of the plant and the integration with the on-board systems will derive from the results of the simulation, the management of the plant will be optimized in order to minimize fuel consumption and CO2 emissions.

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

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

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

Subjects of the interview: Fuel cells, innovative cogeneration systems for marine applications, dynamic models of fuel cell systems, control software.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 32

Scientific coordinator: Prof. Alberto TRAVERSO

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367,00

Title: Modelling and experimentation of solutions for two-phase flow energy recovery.

Description: The plant management of two-phase fluids can be achieved through dynamic turbomachinery, such as radial compressors and Tesla-type expanders, which are considered promising solutions for processing two-phase flows on a relatively small scale, both in organic Rankine cycles ORC (e.g. for the conversion of geothermal or solar energy) and in reverse cycles (e.g. exploitation of low enthalpy heat). This research grant aims at the detailed modeling of high-speed two-phase flows, with the aim of establishing reliable modeling approaches for the preliminary design of nozzles and diffusers, for use in dynamic machines. For the validation of the results, an experimental campaign will be carried out on the prototypes present in the DIME laboratories located at the Savona campus. The results could form a solid basis for the exploitation of two-phase flows, thus improving the performance and efficiency of ORCs and reverse cycles for distributed and renewable energy generation.

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

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

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

Subjects of the interview: Energy systems, power plants, microturbines, dynamics and controls of complex systems, renewable energy sources, energy system experimentation and field measurements

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 33

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 07.09.2022 at 8:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 07.09.2022 at 11:00 The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview: on 07.09.2022 starting from 11:30 The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Jacqueline Visconti at the address e-mail: j.visconti@unige.it, phone number: +39 3385467596

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

Scientific coordinator: Prof.ssa Jacqueline VISCONTI

NO. 1 research fellowship - Duration years 1 – Annual pre-tax amount: € 19,367,00

Title: Implementation and analysis of a database of counsel Court proceedings.

Description: The research is part of a larger project of national relevance (PRIN) coordinated by prof. J. Visconti, on The clarity of Court proceedings (ClarAct): a new database for scholars and citizens, for which the University of Genoa is the leading unit (with Florence, Lecce and Viterbo). As part of this project, which aims to collecting a database of counsel proceedings both by the Supreme Court and by a set of Courts and Courts of Appeal, the research will have a twofold objective: (i) the transposition of the texts in digital format, with XML-TEI marking and entry onto the prepared platform; (ii) the analysis of the textual and stylistic characteristics of these texts, hitherto inaccessible to the scholar.

Scientific disciplinary sector: L-FIL-LET/12 LINGUISTICA ITALIANA

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

Required degree: Dottorato di ricerca in Digital Humanities, curriculum ‘Lingue, culture e tecnologie digitali’ (7715).

Subjects of the interview: Textual and linguistic features of Court proceedings, in particular the language of counsels; creation and annotation of synchronic and monothematic corpora; use of linguistic-computational technologies for a diagnosis of the complexity of Court proceedings and elaboration of these texts to increase their readability and comprehensibility.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 34

Predetermination and publication of the criteria for the evaluation of qualifications and the interview:
on **06.09.2022** at **12:00** at Dipartimento di Scienze della Formazione (DISFOR), Corso Andrea Podestà 2, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on **06.09.2022** at **17:00** at Dipartimento di Scienze della Formazione (DISFOR), Corso Andrea Podestà 2, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **07.09.2022** at **14:30** at Dipartimento di Scienze della Formazione (DISFOR), Corso Andrea Podestà 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.

Scientific coordinator: Prof.ssa Paola VITERBORI

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

**Title:** Digital tools for the assessment and promotion of executive function in children and adolescents

**Description:** The research project is focused on the standardization of a test battery for remote assessment of executive function in typical children and adolescents and on the assessment of the test battery feasibility in a population of children with neurodevelopmental disorders. In addition, a study on the efficacy of an intervention on executive function will be completed. The intervention consists of a videogame that was previously developed and preliminary tested in a pilot study. The results will contribute to the development of both an assessment tool and an intervention on executive function to be used remotely.

**Scientific disciplinary sector:** M-PSI/04 PSICOLOGIA DELLO SVILUPPO E PSICOLOGIA DELL'EDUCAZIONE

**Place:** Dipartimento di Scienze della Formazione (DISFOR)

**Required degree:** Dottorato di ricerca in Psicologia o in Scienze sociali.

**Subjects of the interview:** Previous research experience, in particular on the project topics; executive function assessment and intervention in typical and atypical children/adolescents; executive function impairment in children with neurodevelopmental disorders; tele-assessment and tele-intervention in children/adolescents; study design in test standardization and in the assessment of intervention efficacy.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 35

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 07.09.2022 at 9:30 at Dipartimento di Scienze della Formazione (DISFOR), Corso Andrea Podestà 2, Genova.
The Commission meets to prepare the criteria for the evaluation of qualifications and the interview. These criteria are published on the Department's website.

Publication of the results of the evaluation of qualifications as well as the indication of the candidates admitted to the interview: on 07.09.2022 at 14:30 at Dipartimento di Scienze della Formazione (DISFOR), Corso Andrea Podestà 2, Genova.
The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on 08.09.2022 at 9:30 at Dipartimento di Scienze della Formazione (DISFOR), Corso Andrea Podestà 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 Fabiola Bizzi via the email address: fabiola.bizzi@unige.it, phone number: +39 3381761203

Scientific coordinator: Prof.ssa Fabiola BIZZI

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

Title: Emotional regulation and physiological reactivity of the child in middle childhood: a multi-method and multi-informant study on the role of parenting mentalization as social buffering mechanism

Description: This project aims to explore the role of parenting mentalization and its impact on the child’s emotion regulation abilities in middle childhood and on some parameters of physiological reactivity related to specific episodes of child-caregiver interaction. The relevance of this research, that is part of attachment studies, is linked to: 1) the use of a multi-informant and multi-method approach to identify various aspects of the complexity of the parent-child relationship; 2) the stage of life studied –the middle childhood- poorly investigated by attachment studies but significant for several psychological, relational and social changes of the child; 3) the use of a methodology -the measurement of physiological parameters related to emotional regulation abilities- which constitutes an element of novelty in studies on middle childhood.

Scientific disciplinary sector: M-PSI/07 PSICOLOGIA DINAMICA

Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree: Dottorato di Ricerca in Scienze Sociali.

Subjects of the interview: 1. Knowledge/competence of methodologies based on use of narratives for assessing parenting mentalization; 2. Knowledge/competence of methodologies for measuring physiological reactivity and emotional regulation; 3. Research and work experiences related to the disciplinary sector and with the target population of this project, that is, in the context of middle childhood; 4. Knowledge/competence of English (and Italian in the case of a different mother tongue).

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 36

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on 05.09.2022 at 10:00 The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on 05.09.2022 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 05.09.2022 starting from 15:00 The interview will take place, in any case, electronically (video conference via Microsoft Teams) by contacting Prof.ssa Monica Brignardello at the address e-mail: monica.brignardello@unige.it, phone number: +39.339.3160601

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

Scientific coordinator: Prof.ssa Monica BRIGNARDELLO

NO. 1 research fellowship - Duration years 2 – Annual pre-tax amount: € 19,367,00

Funding: Prin 2020 - ERC SH2 Sector - Prot. 20208JFB98_005

Title: Compensation Limit of the Cruise and Travel Organiser: The Right of Recourse against Tourism Service Providers.

Description: The research project’s main objective is to reconstruct the complex regulatory framework regarding limitation on compensation of tourism service operators, in the context of its historical development as well. In addition, maritime cruise organiser and its right of recourse against tourism service providers will also be dealt with. Furthermore, various interpretative issues in current regulations will be critically analysed to find de jure condendo solutions through a careful collection and study of case law and doctrine.

Scientific disciplinary sector: IUS/06 - DIRITTO DELLA NAVIGAZIONE

Place: Dipartimento di Economia

Required degree: Dottorato di ricerca in Scienze Giuridiche

Subjects of the interview: Transport and tourism contracts with particular regard to the liability of travel and maritime cruise organisers and other tourist operators, and service suppliers (hotelier, carriers, restaurateur, etc.).

The candidate will need to prove his/her knowledge of the english language.
**RESEARCH PROGRAM NO. 37**

**Predetermination and publication of the criteria for the evaluation of qualifications and the interview:** on **05.09.2022 at 12:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

**Publicity of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview:** on **06.09.2022 at 12:00** The Commission in charge discloses the criteria for the evaluation of qualifications and the indication of the names of the candidates admitted to the interview by publication on the Department's website and contextual email communication to each of the candidates.

**The interview:** on **07.09.2022 starting from 9:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Alessio Tei at the address e-mail: alessio.tei@unige.it.

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

**Scientific coordinator:** Prof. Alessio TEI

**NO. 1 research fellowship - Duration years 2 – Annual pre-tax amount: € 27,133.00**

**Funding:** HE project - OptiWise

**Title:** Replicability and scalability optimal conditions of new sustainable marine solutions from an operational and economics perspective.

**Description:** At the Italian Centre of Excellence on Logistics, Transport, and Infrastructure, we have recently started a series of EU and national funded projects on the impact of the energy and digital transition on the maritime and logistic industries. The successful candidate will then need to develop a comprehensive operational, business, and economics assessment method in order to ease the deployment of different technological solutions. Essential tasks relate to the development of a replicability and appraisal framework for different sustainable logistics solutions under investigation (e.g. wind assisted vessels, logistics of new alternative energy sources). The position is mainly connected to the Horizon Europe funded project Optiwise.

**Scientific disciplinary sector:** SECS-P/06 ECONOMIA APPLICATA

**Place:** Centro Italiano di Eccellenza sulla Logistica Integrata (CIELI)


**Subjects of the interview:** The interview will assess the candidate’s knowledge of the marine transport sector, of regional economics, and of the innovation studies applied to the Transport industry.

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