



UNIVERSITÀ DEGLI STUDI DI GENOVA

AREA PERSONALE

Servizio Personale Docente

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

Decree n. 3315

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

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

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

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;

Having regard to Decree-Law no. 36 dated 30 April 2022, converted with amendments into Law no. 79 dated 29 June 2022, and in particular to Article 14, paragraph 6-quaterdecies, which lays down the transitional rules for research grants in relation to which, for the 180 days following the entry into force of said law, it is still possible to call for procedures for the awarding of such research grants

HEREBY DECREES

ART. 1

Number of research fellowships

1. An announcement is made for no. 43 public selections for the awarding of no. 43 research fellowships in the programs specified in *Annex A*, being an integral part of this announcement.

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

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

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

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

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

ART. 2

Admission requirements and grounds for exclusion

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

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

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

4. The candidates are admitted with reserve to the selection procedure. This University may arrange, by means of a justified measure, to exclude a candidate from the selection due to lack of the prescribed

requirements. Any such measure will be communicated to the candidate concerned by way of e-mail with acknowledgment of receipt indicated by the candidate in the application for admission to the selection.

5. For candidates with a foreign qualification, which has not yet been declared equivalent, the equivalence of the qualification is ascertained, for the sole purpose of admission to the selection procedure, by the commissions referred to in the following art. 6 at the time of examination of the qualifications, on the basis of the appropriate documentation presented during the application phase. These candidates will therefore be admitted to the preliminary stage with reserve. If the aforementioned candidates are winners, they must send to the University the official translation and the “Dichiarazione di Valore” (Declaration of Worth) of the foreign qualification drawn up by the competent Italian diplomatic or consular offices in the country of origin, according to the regulations in force, within 60 days from the decree of approval of the selection. The forfeiture of the right to stipulation of the contract will be arranged if the documents do not arrive at the University within this period.

ART. 3

Procedure for submission of the application

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

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

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

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

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

- a) the possession of the degree referred to in Annex A as per art. 1, which is required for the research program of interest. The candidates in possession of a degree obtained abroad shall also specify if this degree, according to the regulation in force, has been declared equivalent to the degree required by this Announcement. The candidate shall also specify the name of the University, which awarded such degree, the date of award and the final degree mark;
- b) his/her citizenship;
- c) that he/she has no family or kinship relationship, up to and including the fourth degree, and is not married, with a Professor belonging to the department or institute, where the research activity is performed, or with the Rector, General Director or a member of the Board of Directors of the University;
- d) whether he/she has received a doctoral grant;
- e) whether he/she has already been holder of a research fellowship according to art. 22 of the Italian Law no. 240/2010;
- f) whether he/she has already been holder of a contract according to art. 24 of the Italian Law no. 240/2010 (fixed term researcher position);

- g) being a citizen of a non-EU country, the possession of the residence permit necessary to perform the activity provided for by the contract in art. 7;
- h) that he/she is acquainted with the provisions of art. 13 of the Rector's Decree no. 6144 dated 27th July 2015 and subsequent amendments and integrations, regarding the prohibition of plurality of offices and the incompatibility;
- i) the choice of the foreign language in which to be tested, if required according to the subjects of the interview relevant to the research program in Annex A, as per art. 1;
- j) the mandatory indication that the interview must be conducted electronically, by means of videoconferencing via SKYPE for procedures that are conducted electronically, or the indication, where applicable, that the interview must be conducted electronically, by means of videoconferencing via SKYPE in the case of procedures that require the interview to be conducted in person, as indicated in Annex A, in accordance with the provisions of Article 5, paragraph 8 below;

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

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

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

8. Candidates shall enclose to their application:

- a) a non-certified photocopy of an identification document in electronic format (.pdf, .jpg, .gif, etc.) via scanning or digital photography of the same;
- b) a scientific-professional *curriculum* and a self-certification relevant to the truthfulness of the information contained therein, drawn up on form B attached herewith;
- c) if he/she is a foreign citizen, a photocopy of the residence permit, if possessed, in electronic format (.pdf, .jpg, .gif, etc.) via scanning or digital photography of the same;
- d) publications, which are deemed useful for the purposes of the selection. The above documents shall be attached to the application in .pdf format and declared compliant with the original copies through a proper self-executed affidavit, drawn up on form C attached herewith. This declaration shall contain also a numbered and detailed list of the files transmitted by electronic means, together with the application, as specified in paragraph 1.

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

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

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

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

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

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

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

ART. 4

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

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

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

ART. 5

Qualification assessment and interview

1. The 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 *AnnexA* to this Announcement as regards each research program, subject to ascertainment of the prescribed requirements.

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

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

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

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

- that none of the impedimental conditions referred to in art. 11 applies to him/her;
- that he/she has no family or kinship relationship, up to and including the fourth degree, and is not married, with a Professor belonging to the department or institute, where the research activity is performed, or with the Rector, General Director or a member of the Board of Directors of the University;
- being an employee of public administrations different from those referred to in art. 8, paragraph, 1, that he/she has been placed on unpaid leave;
- whether he/she has received a doctoral grant;
- whether he/she has already been holder of a research fellowship according to art. 22 of the Italian Law no. 240/2010;
- whether he/she has already been holder of a contract according to art. 24 of the Italian Law no. 240/2010.

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

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

ART. 8

Personal requirements

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

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

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

ART. 9

Economic and regulatory treatment

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

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

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

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

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

ART. 10
Research fellowship holders' rights and duties

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

ART. 11
Prohibition of plurality of offices - Incompatibility

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

ART. 12
Absence from work

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

other cases of inability for periods exceeding two months per year, this University reserves the right to terminate the contract or suspend the relevant payment.

ART. 13 **Document submission**

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

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

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

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

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

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

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

ART. 14 **Termination**

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

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

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

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

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

ART. 15 **Processing of personal data**

1. The personal data supplied by candidates will be collected by the University of Genoa, "Area Personale (Staff Area) – Servizio Personale Docente (Teaching Staff Department) Settore Gestione Stato Giuridico del Personale Docente e degli Assegnisti di ricerca (Management Legal Status Teaching Staff and

Research Grants Sector)” and used for selection procedures as per Regolamento UE 2016/679 (GDPR – General Data Protection Regulation) and D.Lgs. n. 196 of 30/6/2003 (Personal Data Protection Code), as amended by the D.Lgs. No 101 of 10/8/2018.

ART. 16

Reference concerning the execution of the selection procedure

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

Genoa, 29.7.2022

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 **03.10.2022** at **12:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **05.10.2022** at **12:00** The Commission in charge discloses the results of qualifications assessment 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 **07.10.2022** 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 2 – Annual pre-tax amount: € 27.133,00

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)

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

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

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

RESEARCH PROGRAM NO. 2

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **10:00** at Dipartimento di Matematica (DIMA), 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 **03.10.2022** at **14:00** at Dipartimento di Matematica (DIMA), Via Dodecaneso 35, Genova. The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **04.10.2022** at **10:00** at Dipartimento di Matematica (DIMA), Via Dodecaneso 35, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof.ssa Anna Maria Massone via the email address: massone@dim.unige.it, phone number: +39 010 3536906.

Scientific coordinator: Prof.ssa Anna Maria MASSONE

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

Title: Machine learning models for flare and CME forecasting.

Description: This research activity is devoted to the development and implementation of machine learning and deep learning computational techniques for the prediction of solar flares by using both, descriptors contained in HMI images and convolutional neural networks. A second objective will deal with the development of dynamical machine learning models that utilize as input time series of active region images for CME forecasting.

Scientific disciplinary sector: MAT/08 ANALISI NUMERICA

Place: Dipartimento di Matematica (DIMA)

Required degree: Laurea Magistrale delle classi LM-17 Fisica, LM-18 Informatica, LM-40 Matematica.

Subjects of the interview: The interview will mainly focus on the knowledge of machine learning and deep learning computational techniques.

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 **07.10.2022** 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 **07.10.2022** at **12:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Dodecaneso 35, Genova. The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held : on **07.10.2022** 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 year 1 – Annual pre-tax amount: € 23.250,00

Title: Efficient classification algorithms for images and structured signals in industrial applications.

Description: The goal of the project is to design, implement and assess efficient approaches and protocols to image and structured signals (including time series) classification. A first direction of the research will be to adopt metalearning or transfer learning methodologies to reduce the amount of training operations, when dealing with related tasks or similar data sources. A second direction will instead be devoted to the assessment of similarity between data and tasks, for an effective usage of the abovementioned methods.

Scientific disciplinary sector: INF/01 - INFORMATICA

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

Required degree: Laurea magistrale delle classi LM-18 Informatica, LM-32 Ingegneria Informatica, Robotics Engineering

Subjects of the interview: Machine learning theory and algorithms (kernel methods, deep learning algorithms, domain adaptation), signal processing and computer vision applications (image classification, detection), generative adversarial networks.

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

SCIENTIFIC DISCIPLINARY AREA PHYSICS

RESEARCH PROGRAM NO. 4

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **04.10.2022** 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 **04.10.2022** at **17:30** at Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova. The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **07.10.2022** at **14:30** at Dipartimento di di Fisica (DIFI), Via Dodecaneso 33, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof.ssa Lea Di Noto via the email address: lea.dinoto@ge.infn.it phone number: +39 349 4931458.

Scientific coordinator: Prof.ssa Lea DI NOTO

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

Title: Characterization of liquid Argon detectors for DUNE experiment at Fermilab.

Description: The selected candidate will be involved in the tests and in the optimization of prototypes to be installed inside the SAND detector in the DUNE Near Detector Complex for the reconstruction of traces of charged particles in liquid Argon. The detectors, based on Silicon Photon Multiplier and designed to collect scintillation light, will be tested within the ARTIC facility, already installed in the Physics Department, and the final purpose will be to demonstrate the expected performances for the optimization of the final detector in SAND. The candidate will also be involved in the data analysis of the ICARUS experiment for the selection and reconstruction of neutrino events for the analysis of short-range oscillations.

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: Detectors, liquid argon detector for neutrino physics, data acquisition, data analysis.

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 **11.10.2022** at **13:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **11.10.2022** at **18:00** The Commission in charge discloses the results of qualifications assessment 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 **12.10.2022** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Flavio Gatti at the address e-mail: flavio.gatti@unige.it phone number +39 342 1728719.

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

Scientific coordinator: Prof. Flavio GATTI

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

Title: Superconducting detectors for space missions.

Description: TES superconducting detectors at 0.1 K are under study for space missions for astrophysics and cosmology. Object of the work is the spatialization of the detectors in the focal plane instruments of space telescopes.

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: Researches in astrophysics and cosmology from space, instruments and telescopes, low temperature detectors.

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 **04.10.2022** at **14:00** at Dipartimento di Fisica (DIFI), locale S722, 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 **04.10.2022** at **17:00** at Dipartimento di Fisica (DIFI), locale S722, Via Dodecaneso 33, Genova. The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **05.10.2022** at **14:30** at Dipartimento di Fisica (DIFI), Aula S700, Via Dodecaneso 33, Genova.

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

Scientific coordinator: Prof. Francesco BUATIER DE MONGEOT

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

Title: Flat optics approaches to light harvesting and photoconversion in 2D-TMD heterostructures.

Description: The project will develop techniques for boosting light collection in low-dimensional semiconductors based on TMDCs (MoS₂, WS₂) and their heterostructures. Both lithographic and self-organized large-area nanofabrication processes (cm² scale) will be developed in order to induce nanophotonic and photon-harvesting functionalities in the flat-optics regime. The modification of the optical and transport properties of nanostructured two-dimensional semiconductors will be investigated recurring to optical spectroscopies, transport measurements and vibrational spectroscopies.

Scientific disciplinary sector: FIS/03 FISICA DELLA MATERIA

Place: Dipartimento di Fisica (DIFI)

Required degree: Laurea Specialistica delle classi 20/S Fisica, 61/S Scienza e Ingegneria dei materiali; Laurea Magistrale delle classi LM-17 Fisica, LM-53 Scienza e Ingegneria dei materiali.

Subjects of the interview: Physical properties of low-dimensional semiconductors based on TMDCs. Physical principles of lithographic and self-organized nanofabrication of nanostructures. Optical and Raman spectroscopic characterization of two-dimensional semiconductors. Physical principles of the amplification of light collection in nanostructures. Physical techniques for the growth and characterization of TMDCs semiconductors.

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

RESEARCH PROGRAM NO. 7

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **24.10.2022** at **16:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them 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 **25.10.2022** at **16:00** The Commission in charge discloses the results of qualifications assessment 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 **28.10.2022** starting from **10:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Marco Scambelluri at the address e-mail: marco.scambelluri@unige.it phone number +39 347 8355985.

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

Scientific coordinator: Prof. Marco SCAMBELLURI

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

Funding: Progetto PRIN COFIN 2020 Thales

Title: Fossil seismic structures in the subductged oceanic mantle.

Description: Deep destructive earthquakes nucleate in subducting oceanic plates and are investigated by seismological and experimental studies and models. In comparison, the field-based studies are overlooked: the data suggest that seismicity is linked to the brittle failure of rocks that build-up differential stresses to GPa levels. The project clarifies the seismic deformation processes by studying from nano to macroscale the seismic structures, the mineral response to rupture and the involvement of fluids during fossil seismic events recorded by natural rocks that underwent past subduction. The project is carried out in close cooperation with the department of Geosciences of the Padova University and with other national and international research institutions and laboratories.

Scientific disciplinary sector: GEO/07 PETROLOGIA E PETROGRAFIA

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

Required degree: Laurea magistrale della classe LM-74 Scienze e tecnologie geologiche

Subjects of the interview: Check of the candidates' knowledge of the structure and petrology of metamorphic rocks, of fluid/rock interactions and of laboratory experiments to reconstruct seismic structures.

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

SCIENTIFIC DISCIPLINARY AREA BIOLOGY

RESEARCH PROGRAM NO. 8

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **05.10.2022** at **12:00** at Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, 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 **05.10.2022** at **16:00** at Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova. The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **06.10.2022** at **10:00** at Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova.

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

Scientific coordinator: Prof.ssa Anna Maria PITTALUGA

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

Funding: 2020SCBBN2_003 PRIN 2020

Title: Glymphatic system: a new player in the gut-brain axis. Natural resources to maintain homeostasis.

Description: Dysbiosis affects the gut-brain axis and results from non-modifiable events, such as aging, or modifiable factors, including obesity, metabolic, cardiovascular and sleep disorders. It plays a role in the progression of neurodegenerative psychiatric disorders. The glymphatic (glial-lymphatic) is a fluid-clearance pathway that consists of periarterial cerebro-spinal fluid (CSF) inflow that assures the elimination of potentially neurotoxic waste products. To shed light on the axis gut-glymphatic system-CNS the project will focus on peripheral and central efficiency in the release of selected neurotransmitters (noradrenaline, serotonin, glutamate, GABA) from nerve endings isolated from the colon mucosa and central areas in animals suffering from dysbiosis.

Scientific disciplinary sector: BIO/14 FARMACOLOGIA

Place: Dipartimento di Farmacia (DIFAR)

Required degree: Laurea magistrale delle classi LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale.

Subjects of the interview: The interview will focus on the experimental approaches to quantifying the efficiency of the release of neurotransmitters (i.e. noradrenaline, serotonin, glutamate and GABA) from nerve endings isolated from the colon mucosae and from selected regions of the central nervous system, focussing on the experimental approaches to isolate the nerve terminals and to quantify the release of preloaded radioactive tracers and endogenous transmitters. The techniques to evaluating the expression of receptor protein, their mRNAs and their ability to associate in heteromeric structures will be also discussed. The interview also will focus on the experimental approaches to quantify altered immunocompetent and inflammatory responses in dysbiotic mice.

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

RESEARCH PROGRAM NO. 9

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **15:00** at Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, 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 **04.10.2022** at **15:00** at Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova. The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **05.10.2022** at **15:00** at Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova.

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

Scientific coordinator: Prof.ssa Angela BISIO

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

Title: Isolation and structural characterization of plant bioactive compounds for the identification of new production lines in Liguria.

Description: The aim of the research is the identification of new natural sources of bioactive terpenic products for the development of niche production lines in the Ligurian territory.

The plant biomass will be extracted with appropriate solvents to give raw extracts that will be subjected to separation by chromatographic methods (classical and HPLC) to obtain pure substances. Identification will be conducted using spectroscopic (UV, IR, MS, ¹H-NMR, ¹³C-NMR) methods.

Metabolomic analysis by NMR spectroscopy will also be carried out for the characterization of local ecotypes of aromatic plants. Crude extracts and isolated secondary metabolites will be tested in vitro and possibly in vivo for any biological activities. Finally, in silico studies will be carried out to investigate the interactions between isolated secondary metabolites and biological targets of interest.

Scientific disciplinary sector: BIO/15 BIOLOGIA FARMACEUTICA

Place: Dipartimento di Farmacia (DIFAR)

Required degree: Laurea V.O. in Chimica e Tecnologie Farmaceutiche, Chimica e tecnologia farmaceutiche, Farmacia; Laurea specialistica della classe 14/S Farmacia e farmacia industriale; Laurea magistrale della classe LM-13 Farmacia e farmacia industriale.

Subjects of the interview: Chromatographic and spectroscopic techniques applied to the isolation and structural elucidation of secondary plant metabolites. Metabolomic analysis by NMR spectroscopy. In silico study of interactions between secondary metabolites and biological targets.

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 **04.10.2022** at **15:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **06.10.2022** at **13:00** The Commission in charge discloses the results of qualifications assessment 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 **06.10.2022** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Simona Sivori at the address e-mail: simona.sivori@unige.it phone number +39 010 3357866.

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

Scientific coordinator: Prof.ssa Simona SIVORI

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

Funding: AIRC 5X1000 V ANNUALITA' cod progetto 21147

Title: Evaluation of the heterogeneity of NK cell population in patients with solid tumors, with particular attention to pancreatic cancer.

Description: The project aims to characterize human NK cells associated to solid tumors, in comparison to peripheral blood NK cells, particularly by assessing the expression and function of inhibitory checkpoints and the presence of peculiar NK cell subsets, expressing or not tissue residency markers. During tumor development, NK cells undergo phenotypic and functional alterations that decrease their anti-tumor activity. As part of the potential exploitation of NK cells in immunotherapy it is important to know in detail the mechanisms that lead to this hypofunction, in order to restore proper functioning. This study will therefore be useful in identifying possible new cancer treatment approaches based on enhancing the activity of different NK cell subsets populating the tumor microenvironment.

Scientific disciplinary sector: BIO/17 ISTOLOGIA

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Dottorato di ricerca in Immunologia Clinica e Sperimentale, Bioengineering and Robotics.

Subjects of the interview: 1) Human Natural Killer Cells; 2) Tumor Immunology; 3) Tumor microenvironment. Previous experience in isolation and characterization through multi-parametric cytofluorimetric analyses of NK lymphocytes derived from peripheral blood, healthy tissues and tumor samples will be preferred criterion.

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

SCIENTIFIC DISCIPLINARY AREA MEDICINE
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RESEARCH PROGRAM NO. 11

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **04.10.2022** at **09:00** at Dipartimento di Scienze della Salute (DISSAL), Via Pastore 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 **04.10.2022** at **12:00** Dipartimento di Scienze della Salute (DISSAL), Via Pastore 1, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **04.10.2022** at **14:30** at Dipartimento di Scienze della Salute (DISSAL), Via Pastore 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 video conference call) promptly contacting Prof.ssa Francesca Bovis via the email address: francesca.bovis@unige.it phone number: +39 340 1215392.

Scientific coordinator: Prof.ssa Francesca BOVIS

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

Funding: PROGETTO FRA.

Title: Long MuSC-19 – Development of a web platform for a follow-up study of recovered MS patients with Covid-19.

Description: The research grant is for a project aimed at monitoring and studying the global health status of patients with Multiple Sclerosis who have contracted Covid-19. The research involves the development of a software platforms with web-based architecture for clinical data management in accordance with European requirements and regulations, the management and the treatment of personal data (as required by current regulations). The collected data will be used to design and develop machine learning (ML) and deep learning systems and implement appropriate ML algorithms.

Scientific disciplinary sector: MED/01 STATISTICA MEDICA

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree: Laurea Magistrale delle classi: LM-17 Fisica; LM-18 Bioinformatica Medica, Informatica, LM-21 Ingegneria biomedica; LM-32 Ingegneria Informatica; LM-40 Matematica; LM-44 Modellistica matematico-fisica per l'ingegneria.

Subjects of the interview: Web platforms, Programming languages and machine learning techniques and AI.

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

RESEARCH PROGRAM NO. 12

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **04.10.2022** at **10:30** at Dipartimento di Medicina Sperimentale (DIMES), Sez. Patologia, Via L.B. Alberti 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 **04.10.2022** at **14:00** at Dipartimento di Medicina Sperimentale (DIMES), sez. Patologia, Via L.B. Alberti 2, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **05.10.2022** at **10:30** at Dipartimento di Medicina Sperimentale (DIMES), sez. Patologia – Biblioteca, Via L.B. Alberti 2, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof.ssa Barbara Marengo via the email address: barbara.marengo@unige.it phone number: +39 3391043846.

Scientific coordinator: Prof.ssa Barbara MARENGO

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

Funding: PRIN - 20173X8WA4_005

Title: In vitro assessment of the biological potential of chemical compounds in vitro 2/3d models of human cells.

Description: Advanced "human-based" cell models, including 3D cultures, as well as organoids (i.e., three-dimensional multicellular structures), are able to reproduce the architecture of human tissues and organs allowing for a wide spectrum of clinical conditions (eg cancer, neurodegenerative diseases) to be studied. Therefore, the aim of the project will be to set up a three-dimensional multicellular lung model to study at the molecular level the biodurable mineral fibers-induced degenerative steps of the respiratory tissue. Moreover, once developed, this model can be useful to study the mechanisms of damage to the respiratory system and other organs and apparatus involved in other human diseases and to test preventive approaches.

Scientific disciplinary sector: MED/04 PATOLOGIA GENERALE

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea Magistrale delle classi LM-6 Biologia, LM-21 Ingegneria Biomedica

Subjects of the interview: The candidate must demonstrate technical and scientific competence in the following fields : - in vitro 3D cell culture development - in vitro tests for the evaluation of cell viability and toxicity indices - Knowledge and application of molecular biology techniques for biomarker analysis (immunoblot, Elisa, PCR)- Analysis by spectrofluorometric techniques.

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 **05.10.2022 at 12:30** at Dipartimento di Medicina Sperimentale (DIMES), Sez. Patologia, Via L.B. Alberti 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 **05.10.2022 at 17:00** at Dipartimento di Medicina Sperimentale (DIMES), sez. Patologia, Via L.B. Alberti 2, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **06.10.2022 at 10:30** at Dipartimento di Medicina Sperimentale (DIMES), sez. Patologia - Biblioteca. Via L.B. Alberti 2, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof.ssa Stefania Vernazza via the email address: stefania.vernazza@unige.it phone number: +39 347 3892160.

Scientific coordinator: Prof.ssa Stefania VERNAZZA

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

Funding: 100008-2021-AB-ALTRI-EP-N_METODI-ALTERNATIVI - Ministero della salute2021

Title: Implementation of an in vitro 3d platform of ocular trabecular cells with 3d cultures of human retinal ganglionar cells to identify biomarkers associated with glaucoma and retinal damage.

Description: The project aims to implement the physiologically relevant 3D millifluidic platform of human trabecular meshwork cells (HTMCs) with the addition of differentiated human Retinal Ganglion cells (RGC) from pluripotent human stem cells. In this way, it will be possible to study the direct role of trabecular meshwork, damaged by mechanical and/or chemical stressful stimuli, in promoting the RGC dysfunction. Moreover, identifying those biomarkers associated with early glaucoma cascade with such cellular platform could be also useful to test new targeted therapies for treating glaucoma degeneration.

Scientific disciplinary sector: MED/04 PATOLOGIA GENERALE

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Dottorato di ricerca in medicina sperimentale.

Subjects of the interview: The candidate should have technical and scientific competence in the following fields: 3D in vitro human cell cultures techniques, pluripotent human stem cell differentiation, in vitro test for cell viability and toxicity evaluation, spectro-fluorescence analysis, molecular biology techniques to identify biomarkers (e.g. western blotting, ELISA, qPCR, immunofluorescence/histochemistry); design, conduct and interpret scientific research; conduct statistical analysis; apply a scientific approach to problem.

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

RESEARCH PROGRAM NO. 14

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **12:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **12:00** The Commission in charge discloses the results of qualifications assessment 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 **04.10.2022** starting from **13:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Dr.ssa Irene Caffa at the address e-mail: irene.caffa@unige.it phone number +39 339 8809300.

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

Scientific coordinator: Prof. Prof. Alessio NENCIONI

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

Funding: AIRC MFAG 2021 #26408 d.ssa Irene Caffa 100007-2022-IC ALTRIPRIVN_AIRC_CAFFA

Title: Endocrine therapy potentiation and mechanisms of drug enhancement in cancer via fasting.

Description: The candidate will be involved in the study of epigenetic changes, compensatory cell signaling pathways and metabolic reprogramming that arise in estrogen receptor positive breast cancer cells when exposed to fasting, hormonal therapies or their combination.

Scientific disciplinary sector: MED/09 MEDICINA INTERNA

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

Required degree: 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-70 Scienze e tecnologie alimentari.

Subjects of the interview: Fasting's pro-regenerative effects; fasting's antitumor effects; cancer cell metabolism, biology of estrogen receptor positive breast cancer and modes of action of endocrine therapies.

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 **9.11.2022** at **8:30** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **9.11. 2022** at **11:30** The Commission in charge discloses the results of qualifications assessment 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 **9.11.2022** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Michele Cea at the address e-mail: michele.cea@unige.it phone number +39 010 3537970.

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

Scientific coordinator: Prof. Michele CEA

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

Title: An integrated biochemistry and functional genomic approach to study CD38 role in multiple myeloma cells: a novel strategy to identify innovative drug actionable targets.

Description: Despite recent biological advances and new therapeutic options, Multiple Myeloma (MM) remains an incurable disease with an urgent need to develop new, less toxic therapies. We recently discovered that NAD⁺ biosynthetic apparatus is a highly promising target for MM treatment. In such a scenario, these cells are hallmarked by aberrant accumulation of the NAD⁺-consuming ectoenzyme CD38, which has been found to mediate many of pathogenetic phenotypes observed in this cancer. By systematically investigating metabolism, we have now discovered that CD38 targeting makes MM cells more sensitive to different metabolic vulnerabilities. As result, we aim to identify exploitable synthetic phenotype for anti-CD38 based strategies in MM and propose to hijack the oncogenic addiction of CD38 targeting strategies to enhance the anti-MM activity of NAD⁺-depleting agents.

Scientific disciplinary sector: MED/15 MALATTIE DEL SANGUE

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

Required degree: Dottorato di ricerca in medicina traslazionale, oncologia e ematologia.

Subjects of the interview: Biology of Multiple Myeloma and novel molecular approaches. Basic techniques of molecular biology (DNA sequencing, RNA extraction, cDNA retrotranscription and Real-Time Quantitative PCR), cellular biology (cellular coltures, FACS and viral trasduction) and in vivo studies.

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 **03.10.2022** at **10:00** at Dipartimento di Medicina interna e Specialità mediche (DIMI), Viale Benedetto XV 6, 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 **05.10.2022** at **10:00** at Dipartimento di Medicina interna e Specialità mediche (DIMI), Viale Benedetto XV 6, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **5.10.2022** at **12:00** at Dipartimento di Medicina interna e Specialità mediche (DIMI), c/o Studio del Prof. M. Cutolo Viale Benedetto XV 6, 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. Maurizio CUTOLO

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

Title: Pregnancy and gender related implications on epigenetic status in patients with Rheumatoid Arthritis and Systemic Lupus Erythematosus.

Description: This project aims to investigate pregnancy and gender related implications on epigenetic status in patients with autoimmune rheumatic diseases (ARDs), namely Rheumatoid Arthritis (RA) and Systemic Lupus Erythematosus (SLE). The current project is addressed to investigate the possible epigenetic mechanisms that might be implicated in the clinical outcome of pregnancy in RA and SLE patients and the disease behaviour versus healthy controls. The clinical relevance might be related to the capability to predict the risk of negative outcomes by using epigenetic markers, thus supporting an earlier management of pregnancy complications in ARDs. Added value to patients will consist in a more efficient management of pregnancy and the disease itself, as well as the introduction of novel biomarkers and therapeutic approaches.

Scientific disciplinary sector: MED/16 REUMATOLOGIA

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

Required degree: Laurea V.O. in Medicina e chirurgia; Laurea specialistica della classe 46/S Medicina e chirurgia, Laurea magistrale della classe LM-41 Medicina e chirurgia.

Subjects of the interview: Pregnancy in autoimmune diseases: the role of epigenetics.

RESEARCH PROGRAM NO. 17

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **06.10.2022** at **9:30** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo 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 **06.10.2022** at **12:30** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Daneo 3, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **07.10.2022** at **12:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo 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. Flavio NOBILI

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

Title: Evaluation of diagnostic and prognostic role of fluid and imaging biomarkers in neurodegenerative diseases and autoimmune encephalitis.

Description: In recent decades, the approach to neurodegenerative and neuroinflammatory diseases has shifted toward the use of biomarkers that can reflect pathological changes in vivo. The project aims to investigate the diagnostic and prognostic role of established or emerging fluid (cerebrospinal or blood) biomarkers, and molecular imaging in the field of neurodegenerative diseases (particularly dementia and movement disorders) and on autoimmune encephalitis (AE) in the early stages of disease.

Scientific disciplinary sector: MED/26 NEUROLOGIA

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

Required degree: Specializzazione in Neurologia

Subjects of the interview: Main clinical profiles of dementia and autoimmune encephalitis, methods of analysis and interpretation of results of fluid marker and molecular imaging, state of the art on biomarker validation and diagnostic-therapeutic pathways.

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 **03.10.2022** at **09:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), presso UOC Clinica pediatrica e Reumatologia, Via Gaslini 5, Padiglione 3, piano 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 **03.10.2022** at **12:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), presso UOC Clinica pediatrica e Reumatologia, Via Gaslini 5, Padiglione 3, piano 3, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **3.10.2022** at **13:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), presso UOC Clinica pediatrica e Reumatologia, Via Gaslini 5, Padiglione 3, piano 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. Alessandro CONSOLARO

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

Title: Comparison of Step-up and step-down therapeutic strategies in childhood ARthritis (the STARS trial).

Description: The study is aimed to compare the effectiveness of a conventional therapeutic regimen, based on treatment escalation (Step-up strategy) and driven by the treat-to-target approach, with that of an early aggressive intervention based on a combination of conventional and biological DMARDs (Step-down strategy).

Scientific disciplinary sector: MED/38 PEDIATRIA GENERALE E SPECIALISTICA

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

Required degree: Laurea magistrale della classe LM-41 Medicina e Chirurgia

Subjects of the interview: Treatment of Juvenile Idiopathic Arthritis. Personal motivation.

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 **06.10.2022** at **09:30** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), presso Neurologia Pediatrica e Malattie Muscolari, Via Gaslini 5, 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 **06.10.2022** at **12:30** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), presso Neurologia Pediatrica e Malattie Muscolari, Via Gaslini 5, Padiglione 16, I piano, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **6.10.2022** at **13:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), presso Neurologia Pediatrica e Malattie Muscolari, Via Gaslini 5, 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 (ZOOM video conference call) promptly contacting Prof. Pasquale Striano via the email address: psriano@unige.it phone number: +39 010 56362758

Scientific coordinator: Prof. Pasquale STRIANO

NO. 1 research fellowship - Duration year 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: Structural, molecular and functional characterization of the gut-brain axis in epilepsy.

Description: Gut-microbiota-brain (GMB) axis dysfunction is a new pathogenic mechanism in epilepsy. We will study dysbiosis and bacterial species richness in the feces and markers of gut dysfunction in the blood as well as intestinal inflammation in a mouse model of acquired epilepsy. Preclinical evidence will be cross-validated in patients with acquired epilepsy vs age-matched neurotypical controls. The therapeutic effects of gastrointestinal tract-specific treatments will be studied in the epilepsy model. Data will inform on mechanisms of GMB dysfunction in epilepsy and gut-based therapies that may prevent or decrease seizures in acquired epilepsy.

Scientific disciplinary sector: MED/38 PEDIATRIA GENERALE E SPECIALISTICA

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

Required degree: Laurea magistrale della classe LM-9 Biotecnologie mediche, veterinarie e farmaceutiche.

Subjects of the interview: Epilepsy models, biomarkers, preclinical models, drug targets.

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 **03.10.2022** at **10:00** at Dipartimento di Medicina interna e Specialità mediche (DIMI) - I piano retrocorpo - Viale Benedetto XV n. 6, 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 **06.10.2022** at **10:00** at Dipartimento di Medicina interna e Specialità mediche (DIMI) - I piano retrocorpo - Viale Benedetto XV n. 6, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **06.10.2022** at **12:00** at Dipartimento di di Medicina interna e Specialità mediche (DIMI) Sala riunioni Amministrazione- I piano retrocorpo - Viale Benedetto XV n.6, 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 Maddalena MASTROGIACOMO

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

Funding: Ricerca Finalizzata RF-2018-12366868 Ministero della Salute.

Title: Investigations on the immunogenicity and immunomodulatory effects of allogeneic PRP in patients enrolled in the phase II clinical trial for the treatment of diabetic foot ulcers.

Description: Chronic skin ulcers pose a major health burden because of population aging and increased prevalence of chronic diseases such as diabetes. Standard therapy, such as ulcer debriding and physical treatments, is in most cases palliative. Autologous Platelet Rich Plasma (PRP) as enhancer of healing was proposed as a real innovation in the field. However, conflicting results were obtained by different groups, because of the different production and clinical protocols and inter-individual variability in the patient's blood. A multicenter double-blind, randomized clinical trial is conducting to test a lyophilized allogeneic platelet-derived product obtained from large pools of blood donations for the treatment of skin chronic ulcers in diabetic patients. In this context focus will be the immunological analysis on the blood of the treated patients to verify the efficiency and security of the allogeneic application of platelet derivatives.

Scientific disciplinary sector: MED/46 SCIENZE TECNICHE DI MEDICINA DI LABORATORIO

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

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

Subjects of the interview: PBMC isolation from the blood of healthy patients and donors. Methods of preparation of blood components. Class I and II HLA analysis. Methods of immunometry and immunohistochemistry. Flow cytometric analysis.

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

RESEARCH PROGRAM NO. 21

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **09:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), 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 **03.10.2022** at **14:30** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), Clinica Neurologica, Largo Paolo Daneo 3, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **04.10.2022** at **14:30** at Dipartimento di di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI), 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.

Scientific coordinator: Prof.ssa Elisa PELOSIN

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

Title: Placebo and nocebo effect on implicit and explicit motor learning in patients with Parkinson's Disease.

Description: This project aims to understand the influence of placebo and nocebo effect on implicit and explicit motor learning assessed with a Serial Reaction Time Task paradigm. To answer to this research question behavioral and neurophysiological data will be collected. Precisely neurophysiological data will be recorded by means of Transcranial magnetic Stimulation (TMS) on primary motor cortex, in order to understand if placebo and nocebo effect could modify both motor performance and motor plasticity on primary motor cortex (M1).

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

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

Required degree: Laurea specialistica della classe SNT/02/S Scienze delle professioni sanitarie della riabilitazione; Laurea magistrale della classe LM/SNT2 Scienze riabilitative delle professioni sanitarie.

Subjects of the interview: Pathophysiology and clinic of Parkinson's disease, principles of noninvasive brain stimulation techniques, placebo effect and its use in clinical-rehabilitation settings, experimental paradigms to study motor learning and its neural correlates.

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 **03.10.2022** at **10:00** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Area Trasporti, Via Montallegro 1, Villa Cambiaso, 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 **03.10.2022** at **13:30** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Area Trasporti, Via Montallegro 1, Villa Cambiaso, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **04.10.2022** at **10:30** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Area Trasporti, Via Montallegro 1, Villa Cambiaso, 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 Angela DI FEBBRARO

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

Funding: Prin 2020 DigiT-CCAM - Digital Twins per la Mobilità Cooperativa, Connessa e Automatizzata (codice: 2020Z9HEMJ_003)

Title: Modelling transport road networks with cooperative connected and automated vehicles.

Description: The goal is to develop models for the interaction of cooperative, connected and automated vehicles with traffic at network level, as well as performance estimation methods capable of assessing the effects of CCAM solutions in terms of: traffic and network performance, consumption/emissions, compliance with sustainable and climate-neutral approaches.

Scientific disciplinary sector: ICAR/05 TRASPORTI

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

Required degree: Laurea Magistrale delle classi LM-23 Ingegneria civile, LM-26 Ingegneria della sicurezza.

Subjects of the interview: Basics on Transport Systems Planning; Optimization; State of the art on the research on transport networks with autonomous vehicle control and optimization.

RESEARCH PROGRAM NO. 23

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **14:30** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Area Trasporti, Via Montallegro 1, Villa Cambiaso, 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 **03.10.2022** at **18:00** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Area Trasporti, Via Montallegro 1, Villa Cambiaso, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **04.10.2022** at **14:30** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Area Trasporti, Via Montallegro 1, Villa Cambiaso, 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 Angela DI FEBBRARO

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

Funding: Prin 2020 DigiT-CCAM - Digital Twins per la Mobilità Cooperativa, Connessa e Automatizzata (codice: 2020Z9HEMJ_003)

Title: Design and evaluation of innovative mobility services based on cooperative connected and automated vehicles.

Description: The goal is to develop models for the adoption of cooperative, connected and automated vehicles in innovative mobility services. Specific services will be identified and designed to exploit the potential offered by CCAM solutions, with reference to the capability of collection and processing, even distributed, of information on the status of the transport supply and on the estimated mobility demand to be satisfied in the most economic and sustainable way.

Scientific disciplinary sector: ICAR/05 TRASPORTI

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

Required degree: Laurea Magistrale delle classi LM-23 Ingegneria civile, LM-26 Ingegneria della sicurezza.

Subjects of the interview: Basics on Transport Systems Planning; Optimization; State of the art on the research on transport services operated by autonomous vehicle control and optimization.

RESEARCH PROGRAM NO. 24

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **04.10.2022** at **10:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **13:00** The Commission in charge discloses the results of qualifications assessment 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 **04.10.2022** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Bianca Federici at the address e-mail: bianca.federici@unige.it phone number +39 010 3352421.

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

Scientific coordinator: Prof.ssa Bianca FEDERICI

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

Title: Integration between GNSS and IMU on low-cost devices for both real-time and post-processing solutions.

Description: The research activity is aimed at investigating how to integrate GNSS satellite and inertial IMU sensors for PNT (Position, Navigation and Timing) solutions in non-nominal conditions, with low-cost instrumentation. In particular, the feasibility of some algorithmic solutions that increase the performance of low to medium-end hardware will be analysed. Positioning in non-nominal conditions requires an accurate test phase, precisely to verify the performance of the devices and the solutions devised, in a context in which it is not easy to find resources and information in the bibliography.

Scientific disciplinary sector: ICAR/06 TOPOGRAFIA E CARTOGRAFIA

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

Required degree: Laurea magistrali delle classi: LM-17 Fisica, LM-18 Informatica, LM-23 Ingegneria Civile, LM-27 Ingegneria delle Telecomunicazioni, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica, LM-35 Ingegneria per l'ambiente e il territorio, LM-40 Matematica.

Subjects of the interview: Principles of GNSS positioning, Principles of IMU operation, GNSS and IMU integration techniques, PNT processing methods.

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 **04.10.2022** at **10:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **14:00** The Commission in charge discloses the results of qualifications assessment 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 **04.10.2022** at **16:00** at Dipartimento di Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), 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.

Scientific coordinator: Prof.ssa Serena CATTARI

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

Title: Seismic safety assessment of masonry buildings also accounting for site effects and soil-structure-foundation interaction phenomena.

Description: Seismic safety assessment of masonry (URM) buildings based on nonlinear analyses, both static and dynamic. The research will be mainly addressed to complex systems, such as structural units in aggregate or mixed masonry-reinforced concrete buildings. The role of site effects and soil-structure-foundation interaction phenomena on the relationship among various damage mechanisms of URM buildings (e.g. in-plane and out-of-plane) will be investigated, too.

Scientific disciplinary sector: ICAR/09 TECNICA DELLE COSTRUZIONI

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

Required degree: Laurea Specialistica delle classi 4/S Architettura e Ingegneria edile, 28/S Ingegneria civile; Laurea Magistrale delle classi: LM-4 Architettura e Ingegneria edile- architettura LM-23 Ingegneria civile.

Subjects of the interview: The interview is aimed to verify the knowledge of the Candidate over the following general themes: seismic response of the existing masonry (URM) buildings; modelling approaches for URM buildings; nonlinear analyses. 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 dynamic geotechnic. 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.

RESEARCH PROGRAM NO. 26

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **9:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **03.10.2022** at **12:00** The Commission in charge discloses the results of qualifications assessment 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 **03.10.2022** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Agnese Seminara at the address e-mail: agnese.seminara@unige.it phone number +39 351 9295056.

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

Scientific coordinator: Prof.ssa Agnese SEMINARA

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

Funding: NIH RO1

Title: Techniques in reinforcement learning for the problems of prediction and navigation in turbulence.

Description: The research fellow will develop reinforcement learning algorithms to predict the location of a target immersed in a turbulent flow. Simple models will be used to generate chemical and mechanical signals generated by an animal moving in a turbulent flow. Building on basic ideas developed in this context, the results will be extended using high resolution direct numerical simulations.

Scientific disciplinary sector: ING-IND/06 FLUIDODINAMICA

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

Required degree: Dottorato di ricerca in fisica, ingegneria, computer science, matematica.

Subjects of the interview: Reinforcement learning for physics problems.

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 **04.10.2022** at **15:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **05.10.2022** at **11:00** The Commission in charge discloses the results of qualifications assessment 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 **05.10.2022** starting from **12:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Daniele Simoni at the address e-mail: daniele.simoni@unige.it phone number +39 335 8726098.

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

Scientific coordinator: Prof. Daniele SIMONI

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

Funding: 100025-2021-DS-INCENT_EU_001

Title: Boundary layer separation control on high lift profile by means of passive and/or active devices.

Description: The activities will be focused on the acquisition, post-processing and analysis of PIV data for the characterization of the boundary layer separation process over a flat plate. Adverse pressure gradients will be applied on the plate in order to reproduce the high-lift condition characterizing low pressure turbine blades for aeroengine applications. Control devices (like a trip wire) will be adopted to prevent/reduce the boundary layer separation.

Scientific disciplinary sector: ING-IND/08 MACCHINE A FLUIDO

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: Operation and functioning of the PIV system. Characterization of the separation-induced transition process of the boundary layer. Main parameters involved in the bursting process of laminar separation bubble.

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 **03.10.2022** at **8:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **03.10.2022** at **11:30** The Commission in charge discloses the results of qualifications assessment 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 **03.10.2022** starting from **12:00** 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 +39 010 3532837.

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

Scientific coordinator: Prof. Matteo ZOPPI

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

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

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

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

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

Required degree: Dottorato di ricerca in Ingegneria o Fisica

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

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

RESEARCH PROGRAM NO. 29

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **6.10.2022** at **9:00** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via all' Opera Pia 11 A, 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 **6.10.2022** at **13:00** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via all' Opera Pia 11 A, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **7.10.2022** at **14:00** at Dipartimento di di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via all' Opera Pia 11 A, 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. Federico SILVESTRO

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

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

Description: The research will take place on the topic of network studies for the integration of storage systems and for the intelligent management of the same by proposing and using analysis and optimization methodologies for calculating the hosting capacity of primary transmission network cabins. The study requires the knowledge of static network models and modeling of optimum problems in programming environments such as Matlab and GAMS.

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

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

Required degree: Laurea Magistrale della classe LM-28 Ingegneria Elettrica.

Subjects of the interview: Static analysis of AC and DC transmission networks. MILNP optimization techniques. Basic tools for modeling and simulation.

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 **04.10.2022** at **14:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **05.10.2022** at **15:00** The Commission in charge discloses the results of qualifications assessment 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 **05.10.2022** starting from **15:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Marco Raberto at the address e-mail: marco.raberto@unige.it phone number +39 334 1051561.

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

Scientific coordinator: Prof. Marco RABERTO

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

Funding: Progetto PRIN 2020SKJSTF.

Title: Development and implementation of a data-driven agent-based model for policy design toward sustainable and resilient economies.

Description: The research project is focused on the development of a coherent data-based methodology for agent modeling, for the purpose of evaluating economic policies, in particular climate change mitigation policies, with an empirical focus on Italy. The project is based on the idea of combining the flexible, realistic and disaggregated structure of agent-based models with the coherent data structure provided by the social accounting matrix. To this end, a new approach in data structuring will be pursued, called the Multi-Agent Social Accounting Matrix.

Scientific disciplinary sector: ING-IND/35 INGEGNERIA ECONOMICO-GESTIONALE

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

Required degree: Laurea magistrale delle classi LM-17 Fisica, LM-18 Informatica, LM-31 Ingegneria gestionale, LM-32 Ingegneria informatica, LM-56 Scienze dell'economia, LM-82 Scienze statistiche.

Subjects of the interview: Agent-based modeling and simulation in economics and finance; social accounting matrices; calibration and validation of agent-based models; climate change mitigation policies.

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 **03.10.2022** at **14:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **14:00** The Commission in charge discloses the results of qualifications assessment 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 **05.10.2022** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Maurizio Valle at the address e-mail: maurizio.valle@unige.it phone number +39 348 3053884.

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

Scientific coordinator: Prof. Maurizio VALLE

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

Title: Small size electronic system for data acquisition from tactile sensor arrays, embedded data processing according to artificial intelligence paradigms.

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

Scientific disciplinary sector: ING-INF/01 ELETTRONICA

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

Required degree: Laurea V.O. in Fisica, Ingegneria delle Telecomunicazioni, Ingegneria Elettrica, Ingegneria Elettronica, Ingegneria Informatica; Laurea Specialistica delle classi 20/S Fisica, 30/S Ingegneria delle Telecomunicazioni, 31/S Ingegneria Elettrica, 32/S Ingegneria Elettronica, 35/S Ingegneria Informatica; Laurea Magistrale delle classi LM-17 Fisica, LM-27 Ingegneria delle Telecomunicazioni, LM-28 Ingegneria Elettrica, LM-29 Ingegneria Elettronica, LM-32 Ingegneria Informatica.

Subjects of the interview: Sensory systems, tactile systems, Artificial Intelligence / Machine Learning, embedded electronic systems.

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

RESEARCH PROGRAM NO. 32

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **05.10.2022** at **9:30** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via all'Opera Pia 11/a, 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 **05.10.2022** at **17:00** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via all'Opera Pia 11/a, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **05.10.2022** at **17:45** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via all'Opera Pia 11/a, 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. Mirco RAFFETTO

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

Title: Development of models for the computation of the electromagnetic field inside biological tissues or organelles exposed to near-infrared continuous-wave illuminations and experiments for the measurement of the biological effects of these illuminations.

Description: The present research grant aims at the development of models for the calculation of the electromagnetic field within organelles of eukaryotic cells or biological tissues, when they are exposed to a "continuous-wave" illumination in the "near-infrared" band. Approximate formulations will have to be considered in order to manage numerical domains of investigation which are very large with respect to the free-space wavelength of the illumination. Estimates of the approximations obtained will have to be evaluated. A second objective concerns the definition and execution of experiments in which in-vitro cells, their parts or tissues are exposed to the illuminations of interest for low-intensity laser therapies.

Scientific disciplinary sector: ING-INF/02 CAMPI ELETTROMAGNETICI

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

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

Subjects of the interview: Numerical methods for the calculation of the electromagnetic field in "scattering" problems; models of eukaryotic cells and its parts; experiments of exposure of cells or parts of them in vitro.

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 **07.10.2022** at **9:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **07.10.2022** at **13:00** The Commission in charge discloses the results of qualifications assessment 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 **07.10.2022** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Andrea Sciarrone at the address e-mail: andrea.sciarrone@unige.it phone number +39 366 094324.

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

Scientific coordinator: Prof. Andrea SCIARRONE

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

Title: Achieving wisdom through channel state information analysis for context-Aware device-free applications.

Description: During the COVID-19 pandemic, the need for systems capable of delivering information emerged strongly. Many fields such as security, security, medicine and entertainment require opportunistic, device-free solutions that can provide context awareness using COTS technologies. The aim of the research is to study and analyse channel status information (CSI) in WiFi networks or 5G Femtocells that exploit commercial MIMO antennas using the innovative signal without the use of dedicated devices. The results of this research grant, a strong impact in different fields, user positioning and location applications, user identification, people counting, gesture recognition, fire detection and metal / weapon detector without the use of dedicated devices.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI

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

Required degree: Laurea V.O. in Ingegneria delle Telecomunicazioni, Ingegneria Elettronica; Laurea Specialistica delle classi 30/S Ingegneria delle Telecomunicazioni, 32/S Ingegneria Elettronica; Laurea Magistrale delle classi LM-27 Ingegneria delle Telecomunicazioni, LM-29 Ingegneria Elettronica

Subjects of the interview: Digital Signal Processing, Machine Learning, Context Awareness, Internet of Things.

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 **04.10.2022** at **18:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **05.10.2022** at **12:00** The Commission in charge discloses the results of qualifications assessment 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 **06.10.2022** starting from **18:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Ilaria Delponte at the address e-mail: ilaria.delponte@unige.it phone number +39 347 0043419.

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

Scientific coordinator: Prof.ssa Ilaria DELPONTE

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

Title: Application Study in the field of Robotization, Automation and Remotization of some construction site operational processes.

Description: The research grant is aimed to:

- identify the real opportunities arising from the use of new technologies (robotics, AI, etc.) in the robotization, automation and remote control of some operations in complex worksites;
- create and validate the related “concept;”
- develop the related solution in prototype form;
- test the solution in one or more pilot sites.

The goal of the study is to increase safety at work, reduce occupational diseases associated with strenuous work and improve operational efficiency and effectiveness.

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

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

Required degree: Laurea magistrale delle classi LM-18 Informatica, LM-32 Ingegneria informatica

Subjects of the interview: Drones and Robotics; Software development and robot programming; Artificial Intelligence and Machine Learning; IoT and Sensors; Software platforms; Human-computer interfaces, Project and Team Management.

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 **05.10.2022** at **13:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Viale Causa 13, 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 **06.10.2022** at **13:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Viale Causa 13, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **06.10.2022** at **14:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Viale Causa 13, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call) promptly contacting Prof. Armando Tacchella via the email address: armando.tacchella@unige.it phone number: +39 320 4218822.

Scientific coordinator: Armando TACCHELLA

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

Title: Techniques and tools for the automated verification of machine learning models.

Description: The research program is about techniques for the automated verification of machine learning models with a focus on artificial neural networks. Given suitable input preconditions and output postconditions, the devised technique will have to make sure that the neural network fulfils the postconditions given the preconditions. Techniques that can repair the network in order to make the stated properties verified will also be sought. Such techniques will have to be implemented in algorithmic tools to automate the verification process effectively.

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

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

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

Subjects of the interview: Structure and applications of neural networks; formal logics for modelling neural networks and their properties; formal tools to verify neural networks and other machine learning models.

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 **03.10.2022** at **13:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **13:00** The Commission in charge discloses the results of qualifications assessment 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 **04.10.2022** starting from **14:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Armando Tacchella at the address e-mail: armando.tacchella@unige.it phone number +39 320 4218822.

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

Scientific coordinator: Prof. Armando TACCHELLA

NO. 1 research fellowship - Duration year 1 – Annual pre-tax amount: € 34.898,00

Funding: PROGETTO EU CONVINCERE.

Title: Techniques and tools for automated verification of temporal properties using stochastic model-checking approaches for robot control architectures.

Description: The researcher is supposed to carry out a research program in the area of stochastic model checking with the goal of verifying temporal system properties in autonomous robots, yielding probabilistic guarantees about their correctness. The work will include implementation of a tool that can verify automatically the probability of satisfying a property together with some confidence interval about it; the tool should be “anytime”, i.e., provide smaller and smaller confidence bounds as more resources become available. Research on runtime verification is also expected to be carried out and will include monitor generation from properties, as well as predictive techniques using data gathered from real execution traces.

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

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

Required degree: Dottorato di ricerca in Informatica, Ingegneria Informatica, Ingegneria Elettronica, Bioingegneria e Robotica, Ingegneria delle Telecomunicazioni, Matematica, Fisica, Statistica.

Subjects of the interview: Control architectures for autonomous robots; models for the specification of discrete and continuous systems; temporal logics for the specification of properties in discrete and continuous systems; automated verification tools.

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 **04.10.2022** at **9:30** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Opera Pia 13, 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 **04.10.2022** at **12:30** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Opera Pia 13, Genova

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **04.10.2022** at **14:00** at Dipartimento di di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Opera Pia 13, Genova.

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

Scientific coordinator: Prof. Gabriele ARNULFO

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

Title: Progression modelling in idiopathic REM sleep Behaviour disorder focusing on electrophysiology observations.

Description: The main objective of the present project is to build a disease progression modelling on a specific prodromal stage of Parkinson's disease, namely the idiopathic REM Sleep Behaviour disorder. The project seeks to identify novel biomarkers using electrophysiology results and will leverage on a large database of longitudinal hdEEG data collected in a world-wide initiative jointly coordinated with colleagues of Sanmartino Hospital.

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

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

Required degree: Laurea magistrale della classe LM-21 Ingegneria biomedica.

Subjects of the interview: hdEEG processing, connectivity metrics, criticality and phase synchrony, machine learning basics.

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

RESEARCH PROGRAM NO. 38

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **8:30** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Opera Pia 13, 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 **03.10.2022** at **12:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Opera Pia 13, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **03.10.2022** at **14:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via Opera Pia 13, Genova.

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

Scientific coordinator: Prof. Mauro GIACOMINI

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

Title: Machine learning of automatically extracted data for improving the early diagnosis of candidemia in hospitalized patients.

Description: The primary objective of the present project is to assess the diagnostic performance of various supervised machine learning methods for the differential diagnosis between candidemia and bacteremia, exploiting a large database of automatically extracted candidemia and bacteremia episodes.

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

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

Required degree: Laurea magistrale della classe LM-21 Ingegneria biomedica.

Subjects of the interview: Data Base and Standards for Medical Informatics, Machine Learning and Natural Language Processing Methods.

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

RESEARCH PROGRAM NO. 39

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **9:30** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **03.10.2022** at **12:30** The Commission in charge discloses the results of qualifications assessment 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 **03.10.2022** starting from **14:30** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof. Vittorio Sanguineti at the address e-mail: vittorio.sanguineti@unige.it phone number +39 329 2104393.

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

Scientific coordinator: Prof. Vittorio SANGUINETI

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

Title: Artificial partners for personalized cognitive and neuromotor rehabilitation.

Description: The overall goal of this project is to develop and test in clinically relevant scenarios a novel rehabilitation technology consisting of an artificial agent which is capable to share its workspace with its human counterpart; to understand their actions and intentions; and to develop optimal forms of coordination (in a game-theoretic sense). The artificial agent will be tested in various types of rehabilitation scenarios.

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

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

Required degree: Laurea Magistrale nella classe di laurea LM-21 Ingegneria biomedica.

Subjects of the interview: Computational motor control; Joint Action; Social neuroscience; Rehabilitation Robotics.

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

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

RESEARCH PROGRAM NO. 40

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **17:30** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **17:30** The Commission in charge discloses the results of qualifications assessment 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 **06.10.2022** starting from **9:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Serena Perrone at the address e-mail: serena.perrone@unige.it phone number +39 010 2099727.

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

Scientific coordinator: Prof.ssa Serena PERRONE

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

Funding: PRIN 2017F9P9XB «Greek and Latin Literary Papyri from Graeco-Roman and Late Antique Fayum: Texts, Contexts, Readers»

Title: Literary and Documentary Papyri from Graeco-Roman Fayum.

Description: Within the PRIN project “Greek and Latin Literary Papyri from Graeco-Roman and Late Antique Fayum: Texts, Contexts, Readers”, the research fellow will contribute to analyze papyrus fragments of literature and documents, which can shed light on the economic, social, and cultural context of the Arsinoite. The research will focus particularly on the papyri of the Genoa University collection (PUG), in order to detect possible documents from the Arsinoite among the unpublished fragments, as well as for an updated revision of already published papyri, both literary and documentary. The research fellow will assist the Scientific Responsible in the preparation of a new volume of editions of PUG papyri.

Scientific disciplinary sector: L-FIL-LET/05 FILOLOGIA CLASSICA

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

Required degree: Laurea magistrale della classe LM-15 Filologia, letterature e storia dell'antichità

Subjects of the interview: The interview will aim to assess the candidates' sound knowledge of Greek language, and of the historical context of Greek-Roman Egypt, as well as his/her familiarity with methods and tools for papyrological research, palaeographical competencies and ecdotic skills applied both to literary and documentary papyri.

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

RESEARCH PROGRAM NO. 41

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **11:00** at Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, III 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 **04.10.2022** at **16:30** at Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, III piano, Genova.

The Commission in charge discloses the results of qualifications assessment and the indication of the names of the candidates admitted to the interview by posting at the exam site, publication on the Department's website and contextual email communication to each of the candidates.

The interview will be held: on **06.10.2022** at **10:30** at Dipartimento di Italianistica, Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, III piano, Genova.

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

Scientific coordinator: Prof. Luca BELTRAMI

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

Funding: progetto PRIN 2017 – La costruzione delle reti europee nel ‘lungo’ Settecento: figure della diplomazia e comunicazione letteraria (Prot. 2017ALTK32).

Title: Intersections between diplomacy and literature in the 18th century: cataloging and commenting for the digital edition of Pietro Metastasio's letters.

Description: The research is part of a PRIN dedicated to the construction of European diplomatic networks in the field of literary communication; more precisely, it is related to the activities of the META project ("Metastasio's Epistolary Texts Archive"), promoted by DIRAAS, which is carrying out the digital edition of Pietro Metastasio's letters. The research fellow will therefore have to coordinate with both the national research group of the PRIN and with the scientific committee of META, dealing with the digital cataloguing of the letters, the implementation of the IT platform hosting the edition and the commentary of relevant Metastasian correspondences. The research fellow will also carry out scientific and organisational tasks related to the dissemination of the research results.

Scientific disciplinary sector: L-FIL-LET/10 LETTERATURA ITALIANA

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

Required degree: Dottorato di ricerca in Italianistica.

Subjects of the interview: The interview will verify the knowledge on the Italian literature of the 18th century (particularly in relation to the circulation of texts, to the construction of European cultural, political and diplomatic networks, to the production and staging of plays), and the specific ecdotic and philological issues of Metastasio's epistolary. The experiences of digital filing and archiving in the field of modern Italian literature will also be verified.

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

RESEARCH PROGRAM NO. 42

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **18:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **18:00** The Commission in charge discloses the results of qualifications assessment 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 **06.10.2022** starting from **15:00** The interview will take place, in any case, electronically (video conference via Skype) by contacting Prof.ssa Anna Bottasso at the address e-mail: bottasso@economia.unige.it phone number +39 349 4684696.

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

Scientific coordinator: Prof.ssa Anna BOTTASSO

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

Title: Individual and society, nature and culture in classical and utopian economic thought.

Description: The current debate on the limits of growth and the environmental compatibility of the current development model prompts us to ask how much and how classical economic thought had grasped the ecological question. The research reconstructs the different visions of the man-nature relationship that we find in the authors between the 18th and 19th centuries: from the positive description of the subjugation of all natural forces to human progress, to the criticism of this subjugation to capitalist development, in a conception that is, however, also 'progressive', up to the utopias that foresee the advent of technocracy or the reconciliation between Nature and human beings, a prodrome of the construction of a different relationship between Nature and culture. The innovative element expected from the research is the insights and useful indications for the contemporary debate that will emerge.

Scientific disciplinary sector: SECS-P/04 STORIA DEL PENSIERO ECONOMICO

Place: Dipartimento di Economia (DIEC)

Required degree: Dottorato di ricerca in Economics and Political Economy.

Subjects of the interview: Discussion on topics related to the research topic; discussion of topics covered in any publications exhibited.

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

RESEARCH PROGRAM NO. 43

Predetermination and publication of the criteria for the evaluation of qualifications and the interview: on **03.10.2022** at **17:00** The Commission in charge announces the criteria for assessing qualifications and the interview by publishing them on the Department's website.

Publication of the results of the qualification assessment as well as indication of the names of the candidates admitted to the interview: on **04.10.2022** at **10:00** The Commission in charge discloses the results of qualifications assessment 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 **5.10.2022** starting from **10:00** The interview will take place, in any case, electronically (video conference via goole meet) by contacting Prof. Paolo Parra Saiani at the address e-mail: paolo.parra.saiani@unige.it phone number +39 338 4935815.

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

Scientific coordinator: Prof. Paolo PARRA SAIANI

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

Funding: Comune di Cremona

Title: Project Elders – Cremona.

Description: The project aims, through surveys on a representative sample of the over-60s population in Cremona, to measure the self-sufficiency, technological skills, possession of digital technologies and the propensity to use ICT of this segment of the population, in view of the possible delivery of telemedicine/telehealth measures. The assignee's activities concern the construction of sample quotas, training activities for interviewers, quantitative data analysis, conducting interviews and focus groups with local stakeholders, dissemination, and public engagement activities, as well as the writing of scientific articles in international A-range journals. Methodological skills, as well as knowledge of the sociology of health, urban, and digital technologies are particularly relevant to this project. The knowledge of Italian language is required for the on-field research activities.

Scientific disciplinary sector: SPS/07 SOCIOLOGIA GENERALE

Place: Dipartimento di Scienze Politiche e internazionali (DISPI)

Required degree: Dottorato di ricerca in Sociologia, Scienze politiche.

Subjects of the interview: Knowledge of methodology, quantitative and qualitative research tools, sample structuring, topics related to the research project.

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