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USG 1003



**Università
di Genova**
AREA PERSONALE

Servizio Personale Docente

Settore gestione del personale docente e dei contratti di ricerca

Decree n. 2837

THE RECTOR

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Having regard to the Rector's Decree n. 5389 dated 28 December 2020 issuing the "Regulation for the awarding of research fellowships";

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

Having regard to Decree-Law no. 36 of 30 April 2022, converted with amendments into law no. 79 of 29 June 2022, and in particular 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 the above mentioned law, it is still possible to call for procedures for the awarding of research grants pursuant to article 22 of law no. 240/2010 in the text in force before the date of entry into force of the above mentioned conversion law;

Having regard to Decree-Law No. 198 of 29 December 2022, as converted into law with amendments by Law No. 14 of 24 February 2023, in particular Article 6 - Extension of terms in the field of universities and research - by which the provisions of the aforementioned Decree-Law no. 36 of 30 April 2022 were amended, converted with amendments into Law No. 79 of 29 June 2022, providing for the possibility of procedures for the award of research grants until 31.12.2023 limited to the resources already planned or approved by the respective governing bodies by the same deadline;

Considering the consequent possibility of launching procedures for the award of research grants until 31.12.2023;

Having regard to the Interministerial Decree of 7.12.2021 adopting the guidelines to promote equal opportunities gender and generational opportunities and the employment inclusion of persons with disabilities in public contracts public contracts financed with PNRR and PNC resources;

Considering that the University is committed to compliance with equal opportunities legislation opportunities;

Having regard to MUR Ministerial Note No. 9303 of 8 July 2022, clarifying certain aspects regulated by Article 14 of Decree-Law No. 36 of 30 April 2022, as converted by Law No. 79 of 29 June 2022;

Having regard to the National Programme for Research (PNR) 2021-2027, approved by the Interministerial Committee for Economic Planning by Resolution No. 74 of 15 December 2020;

Having regard to the National Recovery and Resilience Plan (NRRP), officially submitted to the European Commission on 30 April 2021 pursuant to Article 18 of Regulation (EU) No. 2021/241 and approved by ECOFIN Council Decision of 13 July 2021 and notified to Italy by the General Secretariat of the Council General Secretariat of the Council by note LT161/21, dated 14 July 2021;

Having regard to Decree-Law No. 59 of 6 May 2021, converted, with amendments, by Law No. 101 of 1 July 2021, No. 101, on 'Urgent measures relating to the Supplementary Fund for the National Recovery and resilience and other urgent measures for investments';

Having regard to Decree-Law No. 152 of 6 November 2021, containing 'Urgent provisions for the implementation of the National Recovery and Resilience Plan (PNRR) and for the prevention of infiltration mafia infiltration';

Having regard to Article 17 EU Regulation 2020/852 which defines environmental objectives, including the principle of Do No Significant Harm (DNSH), and the related European Commission Communication C(2021) 1054 final of 12 February 2021, containing 'Technical guidance on the application of the "do no significant harm" principle under the Recovery and Resilience Instrument Regulation'.

Having regard to the Decree of the President of the Council of Ministers of 9 July 2021 on the identification of the central administrations in charge of interventions provided for in the PNRR, pursuant to art. 8, paragraph 1, of Decree-Law No. 77 of 31 May 2021

Having regard to the Decree of the Ministry of Economy and Finance of 6 August 2021, entitled "Allocation of the financial resources provided for the implementation of the interventions of the National Plan of Recovery and Resilience Plan (PNRR) and allocation of targets and objectives for six-monthly reporting deadlines reporting deadlines' and subsequent amendment of 23 November 2021;

Having regard to Circular No. 30 of 11.8.2022 on control and reporting procedures for the PNRR measures;

Given that the MUR has issued the Public Notice for the submission of Proposals for intervention for the creation of "Partnerships extended to universities, research centres, companies for the funding of basic research projects" - as part of the National Recovery and Resilience Plan, Mission 4 Education and Research' - Component 2 'From research to enterprise' - Investment 1.3, funded by the European Union – NextGenerationEU;

Considering that the MUR has issued the Public Notice for the presentation of Proposals for intervention for the strengthening of research structures and the creation of R&S "national champions" on certain Key Enabling Technologies to be financed under the National Recovery and Resilience Plan, Mission 4 Component 2 Investment 1.4 "Strengthening research structures and creating "national champions of R&S" on certain Key Enabling Technologies" financed by the European Union - NextGenerationEU" (hereafter hereinafter "National Centres Notice") (D.D. no. 3138 of 16 December 2021)

Given that the MUR has issued the public notice for the presentation of Proposals for intervention for the creation and strengthening of "ecosystems of innovation", construction of "territorial leaders of R&S" - Ecosystems of Innovation - within the framework of the National Recovery and Resilience Plan, Mission 4 Education and Research - Component 2 From Research to Enterprise - Investment 1.5, funded by the European Union – NextGenerationEU;

Having regard to Interministerial Decree no. 564 of 13/12/2022 admitting to funding young researchers who have won MSCA calls for proposals, registered by the Court of Auditors on 12/01/2023 under no. 81 and relating to the PNRR - Mission 4 "Education and Research" - Component 2 "From Research to Enterprise" Investment 1.2 "Funding of projects submitted by young researchers" and Next Generation EU plan, funded project "Landscapes of Industrial Production: Documenting and Assessing (post)Industrial Landscapes as Resources (Land-In-Pro)" CUP D33C22001630001;

Considering that the Board of Directors in its meetings of 28.9.2022 and 22.12.2022 approved specific preliminary assessments by the competent Budget Area of this University, in which, among other things, an increase in the University's Single 2022 Budget was provided for and the inclusion in the 2023-2025 Forecast Budget of the funding assigned by MUR for the implementation of the projects under the National Recovery and Resilience Plan (PNRR);

Having regard to the resolutions received from the structures concerned proposing requests for the activation of research grants

HEREBY DECREES

ART. 1

Number of research fellowships

1. An announcement is made for no. 20 public selections for the awarding of no. 20 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 indication of the account (Skype or similar videoconferencing platform) in the following cases:
 - if the announcement itself (respective research program indicated in Annex A) provides for the conduct of the interview electronically;
 - for candidates residing or domiciled outside the Italian territory and for those who reside and have their habitual domicile more than 300 km away from the selection site, as the interview can take place, upon request by indication in the application, also electronically via the platform indicated in the corresponding program referred to in Annex A). In this case, the candidates admitted to the interview will be contacted by the Commission at the e-mail address indicated in the application form.

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 electronic address was provided by the candidate or due to a missed or late notification of change of the e-mail address specified in the application, nor for any errors in any case 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 Selection Committee operates collegially with the participation of all its members, also with the use of telematic and digital tools. It predetermines the general criteria for the assessment of qualifications and for the interview and announces them by publication on the Department's website or by posting them at the examination venue.

2. The examinations shall take place in attendance or by videoconference , 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 <i>curriculum</i>	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 ten days before the day of the examination.

8. For the tests indicated in Annex A that are to be held electronically, the interview will take place via videoconference by Skype or a similar platform.

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. For candidates who are resident or domiciled outside the Italian territory and for those who reside and have their usual domicile more than 300 km away from the selection venue, the interview may take place, if requested in the application form, in telematic mode on the platform indicated in the corresponding programme in Annex A to this notice. In this case, candidates admitted to the interview will be contacted by the Commission at the e-mail address given in the application form.

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 selection committee predetermines the general criteria for the assessment of qualifications and for the interview and announces them by publication on the Department's website or by posting them at the examination venue.

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

ART. 6

Selection Committee Formation and approval of the classifications

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

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

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

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

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

ART. 7

Awarding of the research fellowship Research fellowships to non-EU citizens

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

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

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

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

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

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

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

ART. 8

Personal requirements

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

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

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

ART. 9

Economic and regulatory treatment

1. Taking into account the resolutions of the Board of Directors at the meetings of 28.9.2022 and 22.12.2022 cited in the introduction, the financial burdens arising from these selections shall be borne by the funding allocated by the MUR for the implementation of projects under the National Recovery and Resilience Plan (PNRR)

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, 16.6.2023

THE RECTOR
Digitally signed
Prof. Federico Delfino

SCIENTIFIC DISCIPLINARY AREA MATHEMATICS AND INFORMATICS
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RESEARCH PROGRAM NO. 1

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **16:00**. The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **07.09.2023** at **9:00**. The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview.

The interview: on **07.09.2023** starting from **11:00** electronically via videoconference by platform Skype.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof. Michele PIANA

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

Funding: PNRR Innovation Ecosystem "RAISE "(Robotics and AI for Socio-economic Empowerment) - SPOKE 2

D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970

CUP D33C22000970006.

Title: AI-based disease progression modelling for neurodegenerative diseases.

Description: The researcher is expected to work within the Spoke 2 activities of Progetto PNRR Ecosistema dell'Innovazione "RAISE "(Robotics and AI for Socio-economic Empowerment). In particular, the researcher will work at the development of computational methods for

1. deployment of a data-driven, biology-inspired multi-modal and integrated framework for patients' stratification and outcome prediction of brain disorders
2. automatic identification of data-driven biomarkers for the early diagnosis of Neuro Degenerative Diseases (NDDs)

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-21 Ingegneria biomedica, LM-32 Ingegneria informatica, LM-40 Matematica.

Subjects of the interview: The interview will mainly focus on the knowledge of machine learning methods for data analysis and their implementation in Matlab/Python.

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

SCIENTIFIC DISCIPLINARY AREA PHYSICS

RESEARCH PROGRAM NO. 2

Scientific coordinator: Prof. Claudio CANALE

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

Funding: PNRR- Extended partnership "MNESYS" (A multiscale integrated approach to the study of the nervous system in health and disease)

D.D. no. 1553 of 11.10.2022 , registered by the Court of Auditors on 23.11.2022 no. 2948

CUP D33C22001340002

Title: Study of the influence of various neurodegenerative diseases on the mechanical properties of cells/cell compartments.

Description: The mechanical properties of cells cell compartments have a fundamental role for the metabolism of the cell itself and for the transmission of signals between cells. Several pathologies are associated with significant changes in the mechanical properties of cells or parts of them. We will optimize an integrated approach involving the correlation between data obtained through the use of atomic force microscopy (AFM) and Brillouin spectroscopy to evaluate the elastic properties and viscosity of cells and nuclei. As part of the collaborations opened in the Mnesys project, the developed method will be applied to the study of nuclei deriving from patient cells affected by adult-onset primary leukodystrophy and other pathological systems associated with neurodegeneration.

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

Place: Dipartimento di Fisica (DIFI)

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

Subjects of the interview: Atomic force microscopy. Mechanical model of the cell. Super-resolution microscopy. Brillouin spectroscopy. Cell culture techniques (basic concept).

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

SCIENTIFIC DISCIPLINARY AREA CHEMISTRY

RESEARCH PROGRAM NO. 3

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **10:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **07.09.2023** at **14:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview: on **08.09.2023** starting from **14:00** electronically via videoconference by platform Microsoft Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa M. Paola CARPANESE

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

Funding: PNRR - PROMETH2eus - PROduction of green H2 from seawater by means of an innovative electrolyser operating at high temperature with integration in power-to-METHanol process, financed by MiTE within PNRR, mission 2 "Green Revolution and Ecological Transition", component 2 "Renewable Energy, Hydrogen, Grid and Sustainable Mobility", investment 3.5 "Hydrogen Research and Development", funded by the European Union - Next Generation EU, pursuant to the Decree of the minister of ecological transition of 23.12.2021, art. 1, para. 5, letter A.

D.D. n. 126 del 27.06.2022

CUP F37G22000080006

Title: Fabrication and preliminary characterization of electrolysis microstacks, with an innovative structure, fed by sea water.

Description: The main objective of the research project is the fabrication of a ceramic microstack, used for electrolysis from sea water, consisting of three cells with an innovative structure. In the initial part, the activity will be aimed at optimizing the scale-up of the ceramic structure of the cells with respect to the laboratory design; subsequently, the cells will be assembled to generate the stack, which will then be characterized electrochemically. The effect of sea water on the ceramic structure and the stack integration with the chosen methanolation reactor will also be investigated.

Scientific disciplinary sector: CHIM/07 - FONDAMENTI CHIMICI DELLE TECNOLOGIE

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

Required degree: Laurea magistrale delle classi LM-22 Ingegneria chimica, LM-53 Scienza e ingegneria dei materiali, LM-54 Scienze Chimiche, LM-71 Scienze e tecnologie della chimica industriale.

Subjects of the interview: High temperature electrolysis, solid state conductivity; electrochemical characterization, treatment and modeling of ceramic powders.

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

SCIENTIFIC DISCIPLINARY AREA BIOLOGY

RESEARCH PROGRAM NO. 4

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **18.09.2023** at **13:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **21.09.2023** at **10:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview will be held on 22.09.2023 at 9:30 at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Palazzo delle Scienze, sala riunioni - sesto piano, C.so Europa n. 26, Genova.

For candidates residing or domiciled outside the Italian territory and for those who reside and have their usual domicile over 300 km away from the selection site, the interview can take place upon request by indicating on the application for participation in the selection also electronically via the platform Skype. In this case they will be contacted by the Commission at the electronic address indicated in the application form.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to present themselves (or to connect), without any notice, at the exam centre.

Scientific coordinator: Prof.ssa Marina POZZOLINI

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

Funding: National Recovery and Resilience Plan (NRRP), Mission 4 Component 2 Investment 1.4 funded from the European Union - NextGenerationEU - CN000033 National Biodiversity Centre D.D. no. 1034 of 17.06.2022 registered by the Court of Auditors on 14.07.2022 no. 1881 CUP D33C22000960007

Title: Isolation and molecular characterization of marine invertebrate extracellular matrix polymers in the context of Spoke 2 of the National Biodiversity Future Center

Description: The extracellular matrix of marine invertebrates is a relevant source of polymers for the production of biomaterials for regenerative medicine. Marine sponges, in particular, produce specific types of collagens whose biocompatibility has been widely documented. In the face of the considerable applicative interest of these new biopolymers, however, one of the limiting aspects of their biotechnological use is the reduced availability of large quantities, such as to satisfy industrial production. In a circular economy perspective, the present research activity will therefore focus on the study of isolated polymers of the extracellular matrix of sponges reared in contexts of integrated multitrophic aquaculture (species of the genus *Sarcotragus* and *Chondrosia*). The research activity will first include an optimization of green biopolymer extraction protocols, their characterization using molecular biology and bioinformatics techniques and finally the creation of 2D and 3D biomaterials whose biocompatibility and functionality will be tested both on in vitro and in 3D human tissue.

Scientific disciplinary sector: BIO/11 BIOLOGIA MOLECOLARE

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

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

Subjects of the interview: The interview will focus on the verification of biochemistry, molecular biology and bioinformatics skills applied to the study of marine invertebrate matrix proteins. The candidate must demonstrate adequate knowledge of new generation sequencing techniques and related bioinformatics analysis for transcriptomics, as well as the main cell biology techniques to carry out functional tests of the biomaterials made.

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

RESEARCH PROGRAM NO. 5

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview on 04.09.2023 at 9:30** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview on 07.09.2023 at 9:30** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview: on **07.09.2023** starting from **10:30** electronically via videoconference by platform Microsoft Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof. Gabriele ZOPPOLI

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

Funding: PNRR - MUR - M4C2 - Investment 1.5 - Notice "Ecosystems of Innovation" (D.D. no. 3277/2021) - "RAISE (Robotics and AI for Socio-economic Empowerment)", sphere of intervention "4. Digital, Industry, Aerospace" - identification code ECS000035.

**D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006**

Title: Development of a horizontal data integration classifier for non-invasive early diagnosis of breast cancer.

Description: The evaluation of plasma biomarkers of disease in association with radiomics applied to mammograms performed for screening may represent a breakthrough in the noninvasive differential diagnosis of early-stage breast cancer. In the RENOVATE study, we have already collected plasma samples and mammographic images from a cohort of 200 women with radiologically suspicious breast lesions prior to breast biopsy being performed. On this sample set, methylation and cfDNA karyotypic alterations will be assessed by two methods: methylated cell-free DNA immunoprecipitation and sequencing (cfMeDIPseq) and ultra low-pass whole genome sequencing (ULP-WGS). The results of these methods will be combined with those of a radiomic classifier processed from mammographic images of the same cohort.

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-61 Scienze della nutrizione umana, LM-70 Scienze e tecnologie alimentari,.

Subjects of the interview: Non-invasive biomarkers for cancer detection, use and application of liquid biopsy in cancer research, molecular biology techniques including nucleic acids extraction, quality control, library preparation and next-generation sequencing (NGS).

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

RESEARCH PROGRAM NO. 6

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023 at 10:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **07.09.2023 at 10:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview: on **07.09.2023** starting from **14:00** electronically via videoconference by platform Microsoft Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa Federica POMPEJANO

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

Funding: PNRR - Mission 4 'Education and Research' - Component 2 'From Research to Enterprise' - Investment 1.2 'Funding of projects submitted by young researchers' and Next Generation EU plan. Research Project "Landscapes of Industrial Production: Documenting and Assessing (post)Industrial Landscapes as Resources (Land-In-Pro)" -

D.D. no. 564 of 13.12.2022, registered by the Court of Auditors on 12.01.2023 no. 81

CUP D33C22001630001

Title: Documenting and assessing (post)industrial landscapes: identification, analysis, characterisation, and interpretation.

Description: Implementation of research activities foreseen by the project Land-In-Pro (landinpro.unige.it): gathering, analysis and elaboration of qualitative and quantitative data concerning (post)industrial landscapes and sites elected as representative of (de)industrialization processes in the Ligurian territory. An interdisciplinary approach is required which integrates historical, architectural and spatial-territorial research methods with ethnographic methods and cultural landscapes analysis also through geographic information system tools (GIS, webGIS, DBMS, etc.). Participation in the drafting of technical-scientific reports and outreach, communication, and dissemination activities. Research autonomy, teamworking, availability to travel and to conduct field research will be essential.

Scientific disciplinary sector: ICAR/19 RESTAURO

Place: Dipartimento Architettura e Design (DAD)

Required degree: Dottorato di ricerca in uno dei seguenti ambiti: conservazione dei beni architettonici, restauro architettonico, tutela dei beni architettonici, del paesaggio e del costruito storico.

Subjects of the interview: Methodologies for the analysis of cultural landscapes (e.g., VASA methodology, Landscape Character Assessment, Historic Landscape Characterisation) and regeneration strategies; knowledge of historical and technological aspects and characteristics of industrial heritage and landscape; methodologies and techniques for the analysis of the constructive, material and structural characteristics of industrial heritage and reuse strategies; basic knowledge of national and international legislation for the protection of architectural heritage and

the landscape; traditional and advanced survey techniques applied to architectural and landscape heritage; ICT systems for the acquisition, storage, management and elaboration of textual, graphic, alpha-numeric and dimensional data (GIS, DBMS); knowledge of the Italian and English languages.

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

SCIENTIFIC DISCIPLINARY AREA INDUSTRIAL AND INFORMATION ENGINEERING
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RESEARCH PROGRAM NO. 7

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **17:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **08.09.2023** at **09:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview: on **08.09.2023** starting from **14:00** electronically via videoconference by platform Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa Silvia DONNARUMMA

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

Funding: PNRR - Ecosystem of Innovation ECS000035 "RAISE (Robotics and AI for Socio-economic Empowerment)

D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970

CUP D33C22000970006

Title: RAISE – Spoke 4: Model simulation semi-autonomous navigation of marine vehicles.

Description: The successful candidate will be expected to work within the project "Robotics and AI for Socio-economic Empowerment" RAISE - Spoke 4 Smart and sustainable ports - implementation of monitoring and simulation systems, robotic and AI technologies for logistics and security in the port and marine environment. Specifically, the candidate will be expected to develop models for simulation of marine semi-autonomous vehicles.

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

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

Required degree: Laurea Magistrale della classe LM-34 Ingegneria navale - Yacht Design.

Subjects of the interview: Research interests of the candidate specifically related to the candidate's recent work to assess its relevance to the project. Mathematical modeling of physical systems, system identification, advanced techniques for the numerical prediction of maneuvering performance of marine vehicles.

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

RESEARCH PROGRAM NO. 8

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **05.09.2023** at **10:00**. The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **08.09.2023** at **10:00**. The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview.

The interview: on **08.09.2023** starting from **12:00** electronically via videoconference by platform Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa Elisabetta ARATO

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

Funding: PNRR - PE2 -NEST - Network 4 Energy Sustainable Transition, under thematic area 2 "Energy Scenarios of the Future"

**D.D. no. 1561 of 11.10.2022 - registered by the Court of Auditors on 04.11.2022 no. 2784
CUP D33C22001330002**

Title: Optimization of a pilot plant for the thermochemical production of hydrogen and chemicals from agricultural and textile residues.

Description: This project involves the optimization of the spouted bed jet reactor currently located at the Filidea Srl headquarters (Magnonevolo, Biella), consisting of eight modules placed on two levels according to a 2x2 configuration and with a thermal capacity of 0.8 MW, in order to maximize the hydrogen yield. The project also includes a technical-economic analysis on the production of this compound from biomass. Despite the great interest in hydrogen, detailed analyzes of its production from biomass are scarce in the scientific literature, especially with regard to this reactor solution. With a view to circular economy and the reduction of greenhouse gas emissions, the possible applications of biochar, in both industrial and agricultural fields, and of carbon dioxide will also be evaluated, so as to make the process carbon negative.

Scientific disciplinary sector: ING-IND/24 PRINCIPI DI INGEGNERIA CHIMICA

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

Required degree: Laurea magistrale della classe LM-22 Ingegneria chimica - Ingegneria Chimica e di Processo.

Subjects of the interview: Process analysis and simulation, chemical thermodynamics and kinetics, chemical reactor theory, chemical jet reactors.

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

RESEARCH PROGRAM NO. 9

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **01.09.2023** at **10:00**. The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **06.09.2023** at **14:00**. The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview.

The interview: on **07.09.2023** starting from **14:00** electronically via videoconference by platform Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa Gabriella GARBARINO

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

Funding: PNRR - PROMETH2eus - PROduction of green H2 from seawater through innovative electrolyzer operating at high temperature with integration in power-to-METHanol process, funded by MiTE within PNRR, mission 2 "Green Revolution and Ecological Transition", component 2 "Renewable Energy, Hydrogen, Grid and Sustainable Mobility", investment 3.5 "Research and Development on Hydrogen", funded by the European Union - Next Generation EU

D.D. no. 126 of 27.06.2022

CUP F37G22000080006

Title: Evaluation of sea water based streams and integration in Power to methanol catalytic processes.

Description: The main objectives of the research project are the understanding and evaluation of the uses of sea water, the purity and obtained concentrated currents and their possible use in electrolyzers. At the same time, the development and testing of active and selective heterogeneous catalysts in the conversion of CO₂ to methanol is planned, evaluating the possible integration with the chosen electrochemical device. The characterization of materials and the understanding of reaction mechanisms in complex systems will also be investigated.

Scientific disciplinary sector: ING-IND/27 CHIMICA INDUSTRIALE E TECNOLOGICA

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

Required degree: Laurea magistrale delle classi LM-22 Ingegneria chimica, LM-54 Scienze Chimiche, LM-71 Scienze e tecnologie della Chimica Industriale.

Subjects of the interview: Catalysis and catalysts, renewable resources and processes for the green industrial chemistry, chemical thermodynamic and kinetic.

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

RESEARCH PROGRAM NO. 10

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **14:00**. The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **08.09.2023** at **8:30**. The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview.

The interview: on **08.09.2023** starting from **14:30** electronically via videoconference by platform Microsoft Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa Michela CHIAPPALONE

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

Funding: PNRR - MNESYS - 'An integrated multiscale approach for the study of the nervous system in health and disease'.

**D.D. no. 1553 of 11.10.2022 registered by the Court of Auditors on 23.11.2022 no. 2948
CUP D33C22001340002**

Title: Evaluating the impact of focal lesion: electrophysiological and behavioral studies.

Description: The personalization of a therapy is essential in order to facilitate recovery in the event of brain dysfunction caused by ischemic injuries. This project aims to understand the mechanisms underlying post-injury recovery, with the aim of developing new rehabilitation therapies based on electrical/optogenetic stimulation. The activities are part of the studies foreseen by Spoke 6 of the MNESYS project. Specifically, here it is required to monitor parameters (both electrophysiological and behavioral) in rodent models in vivo following injury, through the acquisition of signals acquired through, e.g., loose patches, ECoG, local field potential and silicon linear probes. New multi-channel acquisition techniques will be introduced and implemented.

Scientific disciplinary sector: ING-IND/34 BIOINGEGNERIA INDUSTRIALE

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

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

Subjects of the interview: Experimental procedures for the treatment of in vitro and in vivo models; ethical protocols for animal experimentation; acquisition/stimulation systems of electrophysiological/optical signals from animal model/tissue; electrophysiology (patch, ECoG, etc.); optics and optogenetics; behavioral tests on animals; cell biology; experience in managing an experimental laboratory.

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

RESEARCH PROGRAM NO. 11

Scientific coordinator: Prof. Sergio MARTINOIA

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

Funding: PNRR - MNESYS - 'A multiscale integrated approach for the study of the nervous system in health and disease'.

**D.D. no. 1553 of 11.10.2022 registered by the Court of Auditors on 23.11.2022 no. 2948
CUP D33C22001340002**

Title: Advanced 3D in vitro models of brain tissue.

Description: The complexity of the human brain poses substantial challenges for the development of models of its functioning and diseases. Traditional in vitro models have been developed by using rodent primary neuronal cells coupled with 2D supports. In recent years, with the advent of human induced pluripotent stem cells and of 3D cultures, different advanced in vitro human based models have been proposed. In this context, advanced interconnected 3D in vitro models of different brain regions will be developed by bioprinting technique to study the electrophysiological activity in physiological and pathophysiological conditions. To this aim, it will be required to develop bioinks with specific characteristics able to recapitulate the main properties of the extracellular matrix of the brain.

Scientific disciplinary sector: ING-IND/34 BIOINGEGNERIA INDUSTRIALE

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

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-8 Biotecnologie industriali, LM-9 Biotecnologie mediche veterinarie e farmaceutiche, LM-21 Ingegneria biomedica.

Subjects of the interview: Cell culture techniques, in vitro culture characterization techniques; biomaterials.

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

RESEARCH PROGRAM NO. 12

Scientific coordinator: Prof. Antonio CAMURRI

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

Funding: PNRR - 'RAISE (Robotics and AI for Socio- economic Empowerment)' SPOKE 2

**D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006**

Title: Automated analysis of qualitative movement features for rehabilitation systems or physical and cognitive rehabilitation of frail elderly people.

Description: The purpose of this post-doctoral position is to develop software modules and machine learning solutions for automated analysis of qualitative movement features with specific reference to the domain of rehabilitation systems for frail elderly people. The successful candidate will be responsible for designing and implementing software modules, computational models, and machine learning solutions to analyze features such as e.g., fluidity, smoothness, fragility, lightness, postural tension, synchrony, origin of movement, balance, and relevance. A specific focus will be on wrapping the developed modules within suitable plugins for usage in reference commercial systems. The work is carried out in the framework of the RAISE innovation ecosystem (Spoke 2) funded in the framework of PNRR.

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-18 Informatica.

Subjects of the interview: Systems for the automated analysis of human movement; systems and algorithms for the analysis of qualitative features of human movement; software architectures for systems for the acquisition and analysis of human movement; computer technologies for systems for the physical and cognitive rehabilitation of frail elderly.

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

RESEARCH PROGRAM NO. 13

Scientific coordinator: Prof. Antonio SGORBISSA

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

Funding: PNRR - 'RAISE (Robotics and AI for Socio- economic Empowerment)' - SPOKE 2
D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006

Title: A Cloud system for verbal and non-verbal robotic interaction aware of diversity with groups of people.

Description: The research will focus on the development of Cloud solutions to enable a social robot to interact with multiple people simultaneously, taking into account the context, recent interaction history, as well as the specificities of each participant in the interaction (in terms of age, gender, culture, physical and cognitive characteristics, etc.).

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: Social Robotics, Python programming, Cloud systems, Dialogue Management Systems.

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

RESEARCH PROGRAM NO. 14

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **11:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **07.09.2023** at **15:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview: on **07.09.2023** starting from **16:00** electronically via videoconference by platform Microsoft Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof. Andrea CANESSA

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

Funding: PNRR - 'RAISE (Robotics and AI for Socio- economic Empowerment)' - SPOKE 1
D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006

Title: Action-contingent mixed-reality environments.

Description: Definition and validation of rich mixed-reality environments for augmented forms of interactions, by focusing on cross-modal translations of sensory information and relying upon specific enabling technologies (e.g., Virtual Reality, Augmented Video/Audio Reality, sonification and 3D audio spatialization, tangible interfaces).

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

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

Required degree: Laurea specialistica delle classi 23/S Informatica, 26/S Ingegneria biomedica, 32/S Ingegneria elettronica, 35/S Ingegneria informatica, 58/S Psicologia; Laurea magistrale delle classi LM-18 Informatica, LM-21 Ingegneria biomedica, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica - Robotics Engineering, LM-51 Psicologia.

Subjects of the interview: 3D Unity, including experience with scripting, shaders, textures, animation, GUI styles, and user session management. C# programming skills to write Scripts. VR/AR. Design and architectural patterns.

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

RESEARCH PROGRAM NO. 15

Scientific coordinator: Prof.ssa Maura CASADIO

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

Funding: PNRR - 'RAISE (Robotics and AI for Socio- economic Empowerment)' - SPOKE 2
D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006

Title: Diversity aware body machine interfaces for rehabilitation and assistance.

Description: The objective of the research will be to develop human-robot (HR) and human-machine (HM) interfaces that are “diversity aware”, in other words that are sensitive to the diverse needs and preferences of individuals requiring assistance or cognitive and sensorimotor rehabilitation. The specific objectives are to:

1. implement HR & HM adaptive body-machine interfaces, meeting the evolving needs of different target populations. All interfaces will exhibit diversity awareness adapting to the specific capabilities, preferences, and needs of each person as assessed during an initial interaction. We will explore different technological solutions to control robots and devices, and monitor people, allowing the system to assess the person’s movements, physiological signals (including non-invasive monitoring neural correlates at the muscle and brain level), activities and capabilities.
2. develop an experimental protocol and test the HR & HM interfaces in selected case studies with recruited participants from diverse target populations.

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

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

Required degree: Laurea specialistica delle classi 23/S Informatica, 26/S Ingegneria biomedica, 35/S Ingegneria informatica. Laurea Magistrale delle classi LM-18 Informatica, LM-21 Ingegneria biomedica, LM-32 Ingegneria informatica - Robotics engineering.

Subjects of the interview: body machine interfaces, rehabilitation engineering.

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

RESEARCH PROGRAM NO. 16

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **8:30** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **07.09.2023** at **8:30** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview: on **07.09.2023** starting from **14:30** electronically via videoconference by platform Microsoft Teams.

Candidates admitted to the interview will be contacted by the Commission in charge of conducting the interview by sending an email to the address indicated in the application for participation in the selection.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to connect to the platform indicated above at the scheduled time.

Scientific coordinator: Prof.ssa Michela CHIAPPALONE

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

Funding: PNRR - Ecosystem of Innovation ECS000035 'RAISE (Robotics and AI for Socio-economic Empowerment)''.

**D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006**

Title: Development of an experimental platform for patient-specific therapeutic solutions.

Description: The project is part of the activities foreseen in WP2 of project RAISE. The ultimate goal is to study the interaction between muscle and neuronal cells for personalized therapies in case of pathologies affecting the nervous/enteric system. Main activities: 1) development of a stimulation and monitoring system of electrical activity via MEA that combines electrical and/or chemical stimuli, electrical and/or optical readout; 2) Development of in vitro models based on neuronal and muscular cells, also by means of biomaterials for 3D structures; 3) Development of algorithms to compute relevant parameters typical of the electrophysiological activity; 4) Development of a software tools for imaging analysis; 5) Experimental activities, analysis and interpretation of the obtained data.

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

Subjects of the interview: Experimental procedures for the treatment of in vitro models from excitable cells (neurons, muscle); multichannel electrophysiological signal acquisition systems from animal model/tissue; imaging techniques; electrical stimulation techniques; algorithms for the analysis of multichannel electrophysiological signals; pathologies of the neuro-enteric system.

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

RESEARCH PROGRAM NO. 17

Scientific coordinator: Prof. Paolo MASSOBRIO

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

Funding: PNRR - MNESYS - 'A multiscale integrated approach to the study of the nervous system in health and disease'

D.D. no. 1553 of 11.10.2022 registered by the Court of Auditors on 23.11.2022 no. 2948

CUP D33C22001340002

Title: Neuronal dynamics and functional connectivity in large-scale neuronal networks coupled to Micro-Electrode Arrays.

Description: The interaction of networks of neurons is able to originate complex patterns of electrophysiological activity characterized by spikes, bursts, and oscillations. In particular, an alteration of the balance between the excitatory and inhibitory components of these networks is capable of changing the dynamic states of the network itself. Through the use of stem cells in which it is possible to control the inhibitory and excitatory ratio, it is feasible to study such alterations. In addition, neuronal dynamics are influenced by the interactions of different neuronal types (e.g., cortex-hippocampus; cortex-cerebellum), too. In this project, it will be required to design neuronal networks coupled to micro-electrode arrays to correlate the spontaneous electrophysiological activity with the network functional connectivity, trying to find possible relationships between connectivity, dynamic states, excitation/inhibition ratio, and interactions between different neuronal populations.

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: Multi-channel data acquisition systems; data management and analysis software techniques; techniques for the compartmentalization of microelectrode arrays; in vitro experimental models of excitable cells; neuronal dynamics modeling; functional connectivity methods.

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

RESEARCH PROGRAM NO. 18

Scientific coordinator: Prof. Silvio Paolo SABATINI

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

Funding: PNRR - Ecosystem of Innovation ECS000035 'RAISE (Robotics and AI for Socio-economic Empowerment)' - SPOKE 2

D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970

CUP D33C22000970006

Title: Definition and validation of methodologies for the functional assessment of multimodal integration of depth information.

Description: The research activity is on functional vision, which refers to how well an individual performs while interacting with the visual environment. Specifically, the project will define extended models of depth perception in ecological and interactive behavioral settings to address clinical assessment of vision and visuomotor functionality, and eventually to drive functional recovery processes, towards a real bidirectional visuo-motor rehabilitation paradigm.

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

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

Required degree: Laurea specialistica delle classi 23/S Informatica, 26/S Ingegneria biomedica, 32/S Ingegneria elettronica, 35/S Ingegneria informatica, 58/S Psicologia. Laurea magistrale delle classi LM-18 Informatica, LM-21 Ingegneria biomedica, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica - Robotics Engineering, LM-51 Psicologia.

Subjects of the interview: Models of perceptual systems. Integration of different cues in depth perception. Design of interactive experiments. Use of Unity graphics engine for 3D visual environments.

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

RESEARCH PROGRAM NO. 19

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **05.09.2023** at **11:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **08.09.2023** at **9:30** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview will be held on **08.09.2023** at **4:00** at Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS), Via all'Opera Pia n. 13, Genova.

For candidates residing or domiciled outside the Italian territory and for those who reside and have their usual domicile over 300 km away from the selection site, the interview can take place upon request by indicating on the application for participation in the selection also electronically via the platform Teams. In this case they will be contacted by the Commission at the electronic address indicated in the application form.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to present themselves (or to connect), without any notice, at the exam centre.

Scientific coordinator: Prof. Vittorio SANGUINETI

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

Funding: PNRR - Innovation Ecosystem “RAISE (Robotics and AI for Socio-economic Empowerment)” – SPOKE 2 - Smart devices and technologies for personal and remote healthcare’
D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006

Title: Interactive technologies based on movement analysis for assessment and monitoring of functions in persons with Parkinson disease and dementia.

Description: The goal is to develop solutions for diagnosis and monitoring of the progression of neurological diseases, capable of providing objective information on the type and degree of impairment. The quantitative study of goal-directed movements provides rich information on perception, planning and executive mechanisms, and adaptation to external perturbations or to interaction with other individuals. The proposed research combines technological development (new device for the acquisition of cursive handwriting), and clinical experimentation involving two patient populations: (i) persons with Parkinson's disease, with the aim of identifying the relationship between writing ability and severity/progression of neurological symptoms; (ii) persons with various forms of dementia, with the aim of identifying alterations in the cognitive mechanisms underlying interpersonal interaction.

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: Movement analysis: rehabilitation technologic; Motion sensors.

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

SCIENTIFIC DISCIPLINARY AREA ECONOMICS AND STATISTICS
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RESEARCH PROGRAM NO. 20

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **04.09.2023** at **10:00** The related report is promptly published on the Department's website or by posting it on the notice board of the structure hosting the exams and sent to the competent office at the e-mail address assegnisti@unige.it.

The Commission meets to proceed with the **assessment of qualifications and the identification of candidates admitted to the interview** on **07.09.2023** at **13:00** The related report is promptly published on the Department's website and sent to the competent office at the e-mail address assegnisti@unige.it. The Commission also convenes, by communication to the e-mail address indicated in the application form by each candidate, the candidates admitted to the interview

The interview will be held on **08.09.2023** at **10:00** at Dipartimento di scienze politiche e internazionali (DiSPI), P.le E. Brignole 3a, Genova.

For candidates residing or domiciled outside the Italian territory and for those who reside and have their usual domicile over 300 km away from the selection site, the interview can take place upon request by indicating on the application for participation in the selection also electronically via the platform Microsoft Teams. In this case they will be contacted by the Commission at the electronic address indicated in the application form.

This communication has the value of notification in all respects, therefore candidates who have not been notified of the exclusion are required to present themselves (or to connect), without any notice, at the exam centre.

Scientific coordinator: Prof. Enrico DI BELLA

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

Funding: PNRR - Ecosystem of Innovation ECS000035 'RAISE (Robotics and AI for Socio-economic Empowerment)" - Spoke 5

D.D. no. 1053 of 23.06.2022, registered by the Court of Auditors on 25.07.2022 no. 1970

CUP D33C22000970006

Title: Impact assessment of robotics and artificial intelligence projects within the RAISE Ecosystem.

Description: The research project concerns the proposal of new impact indicators for the RAISE innovation ecosystem, through the development of an innovative analysis model allowing a multidimensional assessment of ecosystem outcomes.

Scientific disciplinary sector: SECS-S/05 STATISTICA SOCIALE

Place: Dipartimento di scienze politiche e internazionali (DiSPI)

Required degree: Laurea magistrale delle classi LM-56 Scienze dell'economia, LM-77 Scienze economico-aziendali, LM-63 Scienze delle pubbliche Amministrazioni, LM-82 Scienze Statistiche.

Subjects of the interview: The interview will focus on the theory of indicators, statistical methods for impact assessment and economic analysis of R&D investments. In-depth discussion of the candidate's curriculum vitae.

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