



Università di Genova

AREA PERSONALE

Servizio Personale Docente

Settore gestione del personale docente e dei contratti di ricerca

Decrete n. 3666

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 Decree no. 1195 of 11.03.2024 issuing the New Employee Code of Conduct of the University of Genoa;

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

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;

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 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 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;

Having regard to Decree-Law No. 215 of 30 December 2023, "Urgent Provisions Concerning Regulatory Deadlines", in force as of 31 December 2023, at Article 6, paragraph 4, entitled "Extension of University and Research Deadlines", which provides for the possibility to call procedures for the award of research grants pursuant to Article 22 of Law No. 240 of 30 December 2010, in the text in force prior to the date of entry into force of the law converting Decree-Law No. 36 of 30 April 2022, **until 31 July 2024**;

Having seen the Decree-Law of 31 May 2024, n. 71 "Urgent provisions regarding sport, educational support for students with disabilities, for the regular start of the 2024/2025 school year and regarding university and research", in force from 1 June 2024, in article 15 paragraph 1 , entitled "Urgent provisions for carrying out research activities", which provides for the possibility of launching procedures for the awarding of research grants pursuant to article 22 of law 30 December 2010, n. 240, in the text in force before the date of entry into force of the conversion law of Legislative Decree 30 April 2022, n. 36, **until 31 December 2024**;

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'.

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

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;

Considering that the funding provided by MUR for the implementation of projects under the National Recovery and Resilience Plan (NRRP) is allocated to the relevant structures and available in the University budget;

Considering that the economic coverage of the research grants will be borne by the resources allocated to the central administration budget as far as PNRR funding is concerned, while it will be borne by the resources allocated to the Departments concerned as far as PRIN 2022 funding is concerned;

Given that the research grants applied for under the PRIN 2022 PNRR funding concern projects eligible for MUR funding;

Having regard to Directorial Decree No. 104 of 2.2.2022 – PRIN 2022 Call;

Having regard to Directorial Decree No. 1409 of 14.9.2022 - Call for proposals PRIN 2022 PNRR - registered by the Court of Auditors on 5.10.2022 no. 125;

Having regard to Directorial Decree no. 961 of 30.6.2023, 1064 of 18.07.2023, 1384 of 01.09.2023, 1017 of 07.07.2023;

Having regard to Directorial Decree no. 1032 del 17.06.2022, registered by the Court of Auditors on 08.07.2022 no. 1826 - CN Agricultural Technologies (Agritech) - CUP D33C22000950007;

Having regard to Directorial Decree no. 1053 of 23.6.2022 registered by the Court of Auditors on 25.7.2022 no. 1970 - PNRR MUR - Innovation Ecosystem "RAISE" (Robotics and AI for Socio-economic Empowerment);

Having regard to Directorial Decree no. 1034 of 17.06.2022, registered by the Court of Auditors on 14.07.2022 no. 1881;

Having regard to Directorial Decree no. 1553 of 11.10.2022 registered by the Court of Auditors on 23.11.2022 no. 2948 - MNESYS (A multiscale integrated approach to the study of the nervous system in health and disease);

Having regard to Directorial Decree no. 1015 of 07.07.2023 - M4.C2.1.1."Microbiome Assembly: A multilevel approach to understand and predict the establishment and variation of host-associated microbiomes";

Having regard to DDG MS no. 11 of 3.1.2023 registered by the Court of Auditors on 16.2.2023 no. 404 - M6C2 Investment 2.1. "Enhancing and strengthening biomedical research in the SSN";

Having regard to Directorial Decree no. 126 of 27.06.2022 - PROMETH2eus – Green H2 PROduction from seawater by innovative high-temperature electrolyser with integration in power-to-METHanol process, funded by MiTE under PNRR;

Having regard to Directorial Decree no. 716 of 25.5.2023 registered by the Court of Auditors Prot. no. 960 of 30.6.2023;

Having regard to Directorial Decree no. 1033 of 17.06.2022 registered by the Court of Auditors on 08.07.2022 no. 1827 - National Centre for Sustainable Mobility (NC MOST) - PNRR Mission 4 Component 2, Investment 1.4;

Having regard to Directorial Decree no. 564 of 13.12.2022 registered by the Court of Auditors on 12.01.2023 no. 81 - MSCA_0000003 - PNRR - M4C2 - Investment 1.2 'Funding of projects submitted by young researchers';

Having regard to the resolution of INFN's Governing Board No. 17116 of 28.06.2024 approving the ranking list of the 'Cascade Call - Public Notice No. 3138 of 16.12.2021, implementing Investment 1.4, "Strengthening research structures and creation of R&D "national champions" (NCs) on Key Enabling Technologies', within the framework of Mission 4 "Education and Research" Component 2 "From research to enterprise" of the National Recovery and Resilience Plan;

Having regard to the Guidelines of 12 February 2024 for reporting PRIN calls as per D.D. 104 of 2 February 2022 (PRIN 2022) and D.D. 1409 of 14 September 2022 (PRIN 2022 PNRR) - Measure M4C2 - Investment 1.1 "Research Projects of Significant National Interest (PRIN)";

Having seen the Ministerial Decree n. 639 of 2 May 2024 containing the determination of the scientific-disciplinary groups and the related declarations, as well as the rationalization and updating of the scientific-disciplinary sectors and the attribution of the latter to the scientific-disciplinary groups, pursuant to art. 15, of law 30 December 2010 n. 240;

Considered appropriate, in compliance with departmental resolutions and in order to allow easy identification of the procedures of interest by candidates, pending adaptation of the University's IT procedure for the submission of applications, to maintain both the indication of the previously existing scientific-disciplinary measures referred to in the Ministerial Decree n. 855 of 30 October 2015 is the indication of the new scientific-disciplinary sectors, as defined by the aforementioned Ministerial Decree. n. 639 of 2 May 2024;

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

Considering also the commitment made by the Departments concerned, to assume the financial burden arising from the conclusion of the contracts, in the fortuitous event of non-acceptance of the reports

HEREBY DECREES

ART. 1

Number of research fellowships

1. An announcement is made for no. 63 public selections for the awarding of no. 63 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 fifteenth 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 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:

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| - 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:

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|---|------------------|
| - 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 AnnexA to this Announcement as regards each research program, subject to ascertainment of the prescribed requirements.

2. The contract does not in any way constitute an employment relationship and does not give rise to any rights as regards access to the roles of the University.

The grant is individual. In order to sign the contract, the winner of the procedure **MUST HAVE** a digital signature. The digital signature can be purchased through one of the suppliers distributing the digital signature service. Any problems or difficulties related to the digital signature of the contract must be solved through the instructions and support of your digital signature provider.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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 *terof* 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

8. 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. The financial burdens arising from these selections will be borne by the funding allocated by the MUR for the implementation of projects under the National Recovery and Resilience Plan (NRRP – PRIN 2022), as indicated in the introduction;

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

Withdrawal and Termination of Contract

1. The contract will terminate automatically at the end of the specified period. The research grant holder wishing to terminate the contract must give the administration at least thirty days' notice. Failure to give notice shall entail the withholding of remuneration in proportion to the period of non-notice.

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. 5389 dated 28.12.2020, 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, 19.7.2024

THE RECTOR
Digitally signed
Prof. Federico Delfino

RESEARCH PROGRAM NO. 1

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 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 **03.10.2024 at 16:00** 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 **04.10.2024** starting from **16:00** electronically via videoconference by platform *Teams Office*.

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. Matteo VARBARO

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

Funding: projects

- 100021-2022-MV-PRIN_2020_VARBARO---PRIN 2020 Varbaro (Squarefree Gröbner degenerations, special varieties and related topics (Cup: D35F22000350001)
- 100021-2023-AC-PNRR-PRIN_2022_CAMINATA---PRIN 2022 PNRR Mathematical Primitives for Post Quantum Digital Signatures -Caminata (CUP D53D23018900001) - Directorial Decree no. 1409 of 14.09.2022,
- 100021-2023-SD-FRA_2023_DIMA---Fondi per la ricerca di Ateneo FRA 2023 DIMA (CUP D33C23000740006).

Title: Combinatorial Commutative Algebra.

Description: The winner of the competition will do research in commutative algebra, with particular attention to the representation theory of orthogonal graphs, to Gröbner bases and applications to cryptography and combinatorics.

Scientific disciplinary sector: MAT/02 ALGEBRA now MATH-02/A - Algebra

Place: Dipartimento di Matematica (DIMA)

Required degree: Laurea magistrale della classe LM-40 Matematica.

Subjects of the interview: The interview will be on the research of the candidate and about the research projects connected to the argument of the competition.

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

RESEARCH PROGRAM NO. 2

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **03.10.2024 at 12:00**. 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 **07.10.2024 at 12:00**. 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 **07.10.2024** starting from **17:00** electronically via videoconference by platform *Skype / 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. Federico BENVENUTO

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

Funding: Project PRIN 2022 PNRR. **Title:** CORonal mass ejection, solar eNERgetic particle and flare forecaSTing from phOtospheric sigNaturEs. **Acronym:** CORNERSTONE (P2022RKXH9).
D.D. no. 104 of 2.2.2022 - CUP D53D23022570001

Title: Development of computational methods based on predictive risk theory for the prediction of solar phenomena.

Description: The research fellow will oversee to develop and implement computational methods based on predictive risk theory for the prediction of solar phenomena from solar community data as part of the project "CORonal mass ejection, solar eNERgetic particle and flare forecaSTing from phOtospheric sigNaturEs" (CORNERSTONE) funded by MUR in the PRIN PNRR 2022 call. Specifically, the fellow will be required to have numerical and statistical skills to optimize the parameters of the physical models used in the project to predict different characteristics of extreme solar phenomena. In addition, familiarity with the main software packages in the Python language for the implementation and optimization of the computational methods used will be required.

Scientific disciplinary sector: MAT/08 ANALISI NUMERICA now MATH-05/A - Analisi numerica

Place: Dipartimento di Matematica (DIMA)

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

Subjects of the interview: The interview will focus on numerical and statistical methods for optimizing parameters, together with the knowledge of the main software packages for applying the computational methods used in the project to exploit real data.

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

RESEARCH PROGRAM NO. 3

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 at 12:00**. 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 **03.10.2024 at 12:00**. 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 **03.10.2024** starting from **17:00** electronically via videoconference by platform *Skype / 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. Federico BENVENUTO

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

Funding: Project PRIN 2022 PNRR. Title: **CORonal mass ejection, solar eNERgetic particle and flare forecaSTing from phOtospheric sigNaturEs**. Acronym: **CORNERSTONE (P2022RKXH9)**.

D.D. no. 104 of 2.2.2022 CUP D53D23022570001

Title: Development of computational methods based on physic models and data from spatial missions for the forecasting of CMEs, SEPs and solar flares.

Description: The fellow will be asked to develop and implement computational methods based on physical models and data from space missions, within the project "CORonal mass ejection, solar eNERgetic particle and flare forecaSTing from phOtospheric sigNaturEs" (CORNERSTONE) funded by MUR in the PRIN PNRR 2022 call. In particular, the knowledge of datasets built from real space mission data, e.g. datasets of events such as Coronal Mass Ejections, will be required, together with the knowledge of physics-based solar event evolution models for exploiting real data. In addition, knowledge of primary Python language software packages (e.g., Sunpy, Astropy for handling real data, Numpy and Scipy for processing, and Matplotlib, Seaborn for visualization) for coding computational methods for predicting flares and other extreme solar activity phenomena will be required.

Scientific disciplinary sector: MAT/08 ANALISI NUMERICA now MATH-05/A - Analisi numerica

Place: Dipartimento di Matematica (DIMA)

Required degree: Laurea magistrale delle classi LM-17 Fisica, LM-40 Matematica, LM-58 Scienze dell'Universo.

Subjects of the interview: The interview will mainly focus on the knowledge of datasets built from real space mission data, e.g. datasets of events such as Coronal Mass Ejections, will be required, together with the knowledge of physics-based solar event evolution models for exploiting real data. In addition, knowledge of primary Python language software packages (e.g., Sunpy, Astropy for handling real data, Numpy and Scipy for processing, and Matplotlib, Seaborn for visualization) for coding computational methods for predicting flares and other extreme solar activity phenomena will be required.

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

RESEARCH PROGRAM NO. 4

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024** 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 **03.10.2024** 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: on **03.10.2024** starting from **18:00** electronically via videoconference by platform *Skype / 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. Federico BENVENUTO

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

Funding: Project PRIN 2022 PNRR. **Title:** CORonal mass ejection, solar eNERgetic particle and flare forecaSTing from phOtospheric sigNaturEs. **Acronym:** CORNERSTONE (P2022RKXH9). **D.D. no. 104 of 2.2.2022 CUP D53D23022570001**

Title: Development and managing of a software architecture for the execution of computational methods based on physics models and data from spatial missions for the forecasting of CMEs, SEPs and solar flares.

Description: The fellow will be asked to develop and manage a software platform suitable to host, implement and execute computational methods based on physics models and data from space missions, within the project "CORonal mass ejection, solar eNERgetic particle and flare forecaSTing from phOtospheric sigNaturEs" (CORNERSTONE) funded by MUR in the PRIN PNRR 2022 call. Specifically, the knowledge of existing platforms for computing and processing real data, and in the case of data processing in solar physics, the knowledge of existing projects equipped with databases and software tools for data analysis, together with the management and operation of such systems, will be required of the fellow.

Scientific disciplinary sector: MAT/08 ANALISI NUMERICA now MATH-05/A - Analisi numerica

Place: Dipartimento di Matematica (DIMA)

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

Subjects of the interview: The interview will mainly focus on the knowledge of existing platforms for computing and processing real data, and in the case of data processing in solar physics, the knowledge of existing projects equipped with databases and software tools for data analysis, together with the management and operation of such systems.

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 **30.09.2024 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 **03.10.2024 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: on **04.10.2024** starting from **13:00** 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 Ilaria TORRE

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

**Funding: PROJECT PRIN 2022 PNRR - EKEEL
D.D. no. 1409 of 14.9.2022 CUP D53D23017350001**

Title: Video augmentation, information visualization methods and learning analytics.

Description: The automatic extraction of concepts and relationships from video lectures enables the generation of semantic graphs representing the structure of content and its connections. Such graphs can be used for the development of methods and applications to support video-based learning and learning processes. In this context, the grant has to main goals: 1) design, development, and testing of innovative methods and applications for video augmentation and knowledge visualization based on the semantic graphs extracted as part of the project, 2) analysis of the experimental data using qualitative-quantitative and pattern recognition methods.

Scientific disciplinary sector: INF/01 INFORMATICA now INFO-01/A - Informatica

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

Required degree: Laurea specialistica delle classi 23/S Informatica, 35/S Ingegneria Informatica, 100/S Tecniche e metodi per la società dell'informazione. Laurea magistrale delle classi LM-18 Informatica, LM-32 Ingegneria informatica, LM-43 Metodologie informatiche per le discipline umanistiche, LM-66 Sicurezza Informatica, LM-91 Tecniche e metodi per la società dell'informazione, LM-92 Teorie della Comunicazione.

Subjects of the interview: Experience in the areas of the grant and expertise in the subject areas of the research, including knowledge representation, semantic representation methods and techniques, human-computer interfaces and interaction, web development, software development, data analysis.

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 **30.09.2024 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 **03.10.2024 at 16:00** 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 **04.10.2024** starting from **10:00** 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. Luca REPETTO

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

Funding: PRIN2022 NaMaSCale

D.D. no. 104 of 2.2.2022 CUP D53D23002390006

Title: Preparation and characterization of samples from superconducting materials for measuring transport properties through grain boundaries.

Description: NaMaSCale is a research project focused on superconducting materials for power applications. Superconductivity is a crucial technology for the energy transition and is essential in applications ranging from medical diagnostics (e.g. NMR imaging) to fundamental research (e.g. LHC magnets). Thus, research in this field aligns with the guidelines for PNRR funding eligibility. The primary goal of NaMaSCale is to understand the role of grain boundaries in the transport properties of superconducting materials. The activity of this grant involves preparing samples with a single grain boundary by extracting them from superconducting polycrystals using a Focused Ion Beam and micromanipulators. These samples will be incorporated into devices for subsequent transport measurements.

Scientific disciplinary sector: FIS/01 FISICA SPERIMENTALE now PHYS-01/A - Fisica sperimentale delle interazioni fondamentali e applicazioni

Place: Dipartimento di Fisica (DIFI)

Required degree: Laurea V.O. in Fisica. Laurea magistrale delle classi LM-17 Fisica, LM-53 Scienza e Ingegneria dei materiali, LM-54 Scienze Chimiche.

Subjects of the interview: Micro and nanofabbrication; electron microscopy; morphological characterization of micro and nanostructures

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

RESEARCH PROGRAM NO. 7

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024** 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 **05.09.2024** at **15:30**. 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 **06.09.2024** starting from **10:00** electronically via videoconference by platform *Zoom*.

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. Matteo SANGUINETI

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

**Funding: Project PRIN 2022 – ALICA
D.D. no. 104 of 2.2.2022 CUP D53D23002710001**

Title: Cosmic ray studies with KM3NeT.

Description: Study of the background of the KM3NeT submarine telescope in preparation for astrophysical and neutrino oscillation studies as well as cosmic ray and cosmic ray interaction cross-section measurements

Scientific disciplinary sector: FIS/01 FISICA SPERIMENTALE now PHYS-01/A - Fisica sperimentale delle interazioni fondamentali e applicazioni

Place: Dipartimento di Fisica (DIFI)

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

Subjects of the interview: Previous experience of the candidate in research in Physics. Cosmic ray and neutrino physics. Monte Carlo simulations, data analysis and calibrations in the field of Astroparticle or High Energy Physics.

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 **30.09.2024 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 **03.10.2024 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 will be held on **04.10.2024 at 14:00** at Dipartimento di Fisica (DIFI), Via Dodecaneso n. 33, 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 Zoom. 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. Simone MARZANI

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

**Funding: PNRR ICSC SPOKE 2 – BOODINI
CUP I53C21000340006**

Title: Studies of hadronic jet substructure at the LHC and FCC.

Description: Boosted topologies play an important role in the phenomenology of the Large Hadron Collider (LHC) and will become fundamental for future colliders at even higher energies, such as the Future Circular Collider (FCC), currently under active planning by CERN. This research project aims to extend our theoretical understanding and modeling of the events produced in particle colliders, which are characterized by boosted topologies, i.e. in which the states we want to study are produced with energy (or transverse momentum) much greater than their rest mass. In particular, the project will focus on the study of the substructure of jets with heavy flavours.

Scientific disciplinary sector: FIS/02 FISICA TEORICA, MODELLI E METODI MATEMATICI now PHYS-02/A - Fisica teorica delle interazioni fondamentali, modelli, metodi matematici e applicazioni

Place: Dipartimento di Fisica (DIFI)

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

Subjects of the interview: publications, research pursued by the candidate during their career; knowledge about the research topics of the projects; specific skills for the project (computational techniques, development of numerical codes)

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 **30.09.2024 at 12:00**. 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 **03.10.2024 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 **04.10.2024** starting from **14:00** 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. Dario MASSABO'

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

Funding: PRIN: RESEARCH PROJECTS OF MAJOR NATIONAL INTEREST – Call 2022 Prot. 2022CH87SA D.D. no. 104 of 2.2.2022 CUP D53D23004620001

Title: Development of measurement methodologies for the study of pollutants produced by the combustion of biofuels inside an atmospheric simulation chamber.

Description: The research program concerns the study of the aerosol produced by a model burner through an atmospheric simulation chamber. The study plans to use the only atmospheric simulation chamber present in the national territory (ChAMBRé – Chamber for Aerosol Modeling and Bio-aerosol Research), installed at the Department of Physics of the University of Genoa. Inside, injection and extraction experiments of aerosol produced by a model burner powered by bio-fuels of wide interest (sectors: environmental, toxicological, energy, transport) are planned. The aerosol produced will be characterized and studied in the following aspects: size distribution, mass and number concentration, optical absorption and extinction properties.

Scientific disciplinary sector: FIS/07 FISICA APPLICATA (A BENI CULTURALI, AMBIENTALI, BIOLOGIA E MEDICINA) now PHYS-06/A - Fisica per le scienze della vita, l'ambiente e i beni culturali

Place: Dipartimento di Fisica (DIFI)

Required degree: Laurea Magistrale delle classi LM-17 Fisica, LM-22 Ingegneria chimica, LM-53 Scienza e ingegneria dei materiali, LM-75 Scienze e tecnologie per l'ambiente e il territorio.

Subjects of the interview: Atmospheric aerosol, optical properties of airborne nanoparticles, atmospheric simulation chambers

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 **09.09.2024 at 14:30**. 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 **12.09.2024 at 14:30**. 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 **01.10.2024 at 14:30** at Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso n. 31, 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.ssa Cristina ARTINI

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

**Funding: PRIN 2022 - Project ADESSO: Identifying ADvanced fuel ElectrodeS for Solid Oxide electrolysis cells through computational screening and experimental characterization. Code Project: 2022MXCP2W
D.D. no. 1064 of 18.07.2023 CUP D53D23010420006**

Title: Identifying ADvanced *fuel* ElectrodeS for Solid Oxide electrolysis cells through computational screening and experimental characterization

Description: The ADESSO project aims at developing novel fuel electrodes with improved performance and stability, containing earth abundant non-toxic elements, to be used in intermediate temperature solid oxide cells. Nanostructured $(La_{1-x}Sr_x)_{0.97}Ti_{1-y}(Fe,Ni)_yO_{3-\delta}$ and $Sr_2FeTi_{1-x}(Ni,Cu)_xO_{6-\delta}$ perovskites will be prepared. High-resolution techniques, like synchrotron XRPD, followed by treatment both in the reciprocal (by Rietveld refinement) and in the real space (by the Pair Distribution Function approach) will be employed to characterize structural features and extended defects. Raman spectra will be acquired and coupled to x-ray data, to take advantage of the complementarity between the two techniques in identifying, locating and quantifying defects responsible for transport properties.

Scientific disciplinary sector: CHIM/02 CHIMICA FISICA now CHEM-02/A - Chimica fisica

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree: Laurea magistrale delle classi LM-54 Scienze Chimiche, LM-53 Scienza e ingegneria dei materiali, LM SC.MAT Scienza e Tecnologia dei Materiali.

Subjects of the interview: Properties of solid oxide cells. Techniques for the structural characterization of oxides.

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

RESEARCH PROGRAM NO. 11

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **09.09.2024 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 **12.09.2024 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 **30.09.2024 at 10:00** at Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso n. 31, 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.ssa Marcella PANI

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

Funding: PRIN 2022 – Project FORCEFUL - Fuel from CO₂: through co-electrolysis: advanced materials and devices for sustainable energy storage – code project 20224KN85Y
D.D. no. 1064 of 18.07.2023 - CUP D53D23010130006

Title: Fuel from CO₂: by co-electrolysis: advanced materials and devices for sustainable energy storage – FORCEFUL.

Description: FORCEFUL focus on the development of innovative electrode and electrolyte materials and devices for converting CO₂ in syngas in Solid Oxide Cells. CeO₂ doped with Rare Earth elements will be the starting point for electrolytes, while electrocatalysts will be prepared by doping the perovskite-type SrTiO₃ and (BaSr)(CoFe)O₃ oxides. Since the structural and physical properties of defective materials depend on their compositional and symmetry fluctuations at different scale lengths, the use of advanced local techniques such as Extended X-ray Absorption Fine Structure (EXAFS) and Pair Distribution Function (PDF) analysis of synchrotron radiation and neutron diffraction data, along with more conventional characterization techniques (XRPD, Raman spectroscopy) will be employed.

Scientific disciplinary sector: CHIM/02 CHIMICA FISICA now CHEM-02/A - Chimica fisica

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree: Laurea magistrale delle classi LM-54 Scienze Chimiche, LM-53 Scienza e ingegneria dei materiali, LM-SC.MAT Scienza e Tecnologia dei Materiali.

Subjects of the interview: Properties of solid oxide cells. Techniques for the structural characterization of oxides.

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

RESEARCH PROGRAM NO. 12

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **06.09.2024 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 **11.09.2024 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 **30.09.2024** 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 Chiara LAMBRUSCHINI

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

Funding: PRIN2022 «Enabling technologies for sustainable and innovative catalytic transformations (BEST-CAT)» Code project: 20222989TP

D.D. no. 1064 of 18.07.2023 CUP D53D23010040001

Title: Use of palladium catalysts and visible light in organic synthesis

Description: The project is funded by the “PRIN2022” and it will be in collaboration with the University of Milan and the University of Pavia. The “assegnista” (Post-doc) will be involved in the study of insertion reactions on aliphatic substrates employing palladium catalysts activated by visible light

Scientific disciplinary sector: CHIM/06 CHIMICA ORGANICA now CHEM-05/A- Chimica organica

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree: Laurea specialistica delle classi 14/S Farmacia e farmacia industriale, 62/S Scienze chimiche, 81/S Scienze e tecnologie della chimica industriale. Laurea magistrale delle classi LM-13 Farmacia e farmacia industriale, LM-54 Scienze chimiche, LM-71 Scienze e tecnologie della chimica industriale.

Subjects of the interview: Palladium catalysis in organic synthesis, photocatalysis

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

RESEARCH PROGRAM NO. 13

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **25.09.2024** 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 **30.09.2024** 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 **02.10.2024** starting from **10:00** 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. Alessandro PELLIS

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

Funding: PRIN PNRR TURBOPACK (Code P2022CSXLM)

D.D. no. 1384 of 01.09.2023 - CUP D53D23017040001

Title: Chemo-enzymatic synthesis and characterization of biopolymers.

Description: The research project is part of a PRIN PNRR 2022 funding in collaboration with the University of Milan and the University of Venice. The researcher will study the chemo-enzymatic synthesis of several polyesters using monomers derived from biomass, commercial or obtained from the treatment of rice processing waste. The materials obtained will also be fully characterized.

Scientific disciplinary sector: CHIM/06 CHIMICA ORGANICA now CHEM-05/A- Chimica organica

Place: Dipartimento di Chimica e Chimica Industriale (DCCI)

Required degree: Laurea magistrale delle classi LM-8 Biotecnologie industriali, LM-13 Farmacia e farmacia industriale, LM-54 Scienze chimiche, LM-71 Scienze e tecnologie della chimica industriale.

Subjects of the interview: biomass-derived monomers; biocatalysis; chemo-enzymatic synthesis of polyesters.

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 02.09.2024 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 05.09.2024 at 14:30** 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 **06.09.2024** starting from **10:00** 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.ssa M. Paola CARPANESE

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

Funding: PRIN 2022 - Integrated procedures for FAST ChARging with online state-of-health evaluation of lithium-ion batteries (FASTCAR) - NATIONAL REPRESENTENCE AND RESILIENCE PLAN (NRRP) Mission 4 'Education and Research' - Component C2 - Investment 1.1, 'Fund for the National Research Programme and Projects of Principal National Interest (PRIN)
D.D. no. 104 of 2.2.2022 CUP D53D23002990001

Title: Analysis of lithium-ion batteries through electrochemical impedance spectroscopy (EIS).

Description: The activity involves the study, mainly through high quality electrochemical impedance spectroscopy (EIS), of the state of health (SoH) of new lithium-ion batteries (LiB) subjected to different charge and discharge cycles, to identify the various degradation phenomena that contribute to the reduction of the SoH itself. The study, through appropriate electrochemical tests, of the voltage response of some selected LiBs subjected to different fast charging conditions is also planned.

Scientific disciplinary sector: CHIM/07 FONDAMENTI CHIMICI DELLE TECNOLOGIE now CHEM-06/A - Fondamenti chimici delle tecnologie

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

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

Subjects of the interview: Operating principles of galvanic and electrolytic systems; principles of electrochemical impedance spectroscopy; chemistry of lithium-ion batteries.

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

RESEARCH PROGRAM NO. 15

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview on 30.09.2024 at 9:00** 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 03.10.2024 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 will be held on **03.10.2024 at 14:00** at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), primo piano, stanza I-14, Via Opera Pia n. 15, 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. Alessandro Alberto CASAZZA

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

Funding: PNRR - CN Agricultural Technologies (Agritech) Spoke 6, Management models to promote sustainability and resilience of agricultural production systems, WP 6.2

D.D. no. 1032 of 17.06.2022, registered by the Court of Auditors on 08.07.2022 no. 1826

CUP D33C22000950007

Title: Design of circular systems combining different farm types and food companies with waste transformation plants

Description: Within the Task 6.2.2 the researcher will identify the most suitable industrial realities and will select the appropriate case studies. In particular, wastes selected in Task 6.2.1 will be considered. These wastes, after the recovery of high added value compounds (Task 6.2.1), will be characterized and used for the production of new biomasses and for the recovery of energy by anaerobic digestion coupled with microalgae production for thermal- and bio-conversion. Moreover, the wastewaters related to these processes will be treated using microalgae. The biogas upgrade will also be studied and pilot scale plants will be developed.

Scientific disciplinary sector: CHIM/11 CHIMICA E BIOTECNOLOGIA DELLE FERMENTAZIONI now CHEM-07/C - Chimica e biotecnologia delle fermentazioni

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

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-8 Biotecnologie industriali, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia industriale, LM-22 Ingegneria chimica, LM-54 Scienze chimiche.

Subjects of the interview: Biological treatment of wastewaters, and solid and gaseous wastes, anaerobic digestion, growth and development of microalgal cultures under heterotrophic and autotrophic conditions.

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 **02.09.2024 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 **05.09.2024 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 **05.09.2024** 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. Simone BARANI

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

Funding: Project PNRR - Ecosystem of innovation: RAISE (Robotics and AI for Socio-economic Empowerment), Spoke 3: "Sustainable environmental caring and protection technologies", WP2 "Smart technologies for environmental monitoring and territory management"; Code project: ECS00000035.

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

Title: Development and implementation of automatic procedures for the evaluation of earthquake ground-shaking scenarios in real time or near real time.

Description: The scope of the activity is the development and implementation of automatic procedures for the evaluation of earthquake ground-shaking scenarios in real time or near real time. All procedures should be developed in order to work in conjunction with standard procedures for earthquake location and warning used by major seismological centers. The activity will include the development and implementation of a warning system in the event of exceeding certain shaking levels. The procedure will be tested for an on-site target.

Scientific disciplinary sector: GEO/10 GEOFISICA DELLA TERRA SOLIDA now GEOS-04/A - Geofisica della Terra solida

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

Required degree: Laurea Magistrale delle classi LM-26 Ingegneria della sicurezza - Engineering for Natural Risk Management, LM-74 Scienze e tecnologie geologiche, LM-79 Scienze geofisiche.

Subjects of the interview: Basics of seismology (e.g., propagation of seismic waves, earthquake location, magnitude scales, ground-motion attenuation equations), ground-shaking parameters and scenarios, seismic amplification effects, seismic hazard analysis, earthquake warning systems

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

RESEARCH PROGRAM NO. 17

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **02.09.2024 at 15:00** 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 **05.09.2024 at 17:00** 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 **06.09.2024 at 15:00** at Dipartimento di Scienze della Terra, Dell'Ambiente e della Vita (DISTAV), Palazzina delle Scienze primo piano aula B1.01 oppure B1.02, Corso 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 Microsoft Teams or Zoom. 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. Armando CARPANETO

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

Funding: PRIN:RESEARCH PROJECTS OF MAJOR NATIONAL INTEREST

Call 2022 - Prot. 20222CS2B3

D.D. no. 1017 of 07.07.2023 CUP D53D23010560006

Title: The role of trans-membrane electron Trasport in ASCorbate hOmeostasis and pleiotropic effects of ascorbate in plants (TASCO)

Description: Ascorbate (ASC) fulfills many different roles in plants by acting as a versatile electron donor for a variety of enzymes, metals, radicals and other oxidized cellular components. A large neglected family of plant membrane proteins related to cytochrome b561 (cyb561) and residing in different membranes like tonoplast, plasma membrane and possibly Golgi, have the features to connect cytoplasmic and extracytoplasmic ASC pools in plant cells. A major goal of the TASCO project is to understand to which extent cyb561-related proteins affect ASC homeostasis. The TASCO project takes advantage of the electrophysiological approaches that we recently set up for the characterization of cyb561 proteins of the plasma membrane and tonoplast, which would be impossible in other ways.

Scientific disciplinary sector: : BIO/04 FISILOGIA VEGETALE now BIOS-02/A - Fisiologia vegetale

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, LM-17 Fisica.

Subjects of the interview: Electrophysiological techniques, in particular patch-clamp; optical microscopy, ion channels and transporters.

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

RESEARCH PROGRAM NO. 18

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **29.08.2024 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 **03.09.2024 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 **03.09.2024** starting from **15:00** 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.ssa Sara FERRANDO

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

Funding: PNRR National Biodiversity Future Center

D.D. no. 1034 of 17.06.2022, registered by the Court of Auditors on 14.07.2022 no. 1881

CUP D33C22000960007

Title: Evaluation of the health status of farmed fish for a sustainable aquaculture.

Description: The research fellow will apply a set of analyses at tissue level (histology and histopathology) to evaluate the health status of fish obtained from different types of aquaculture conditions and fed different diets. The selected species will be the gilt-head bream and the Mediterranean seabass. Microscopy images will be processed by techniques of image analysis and the data will be statistically treated. The results will provide a feedback loop that will help understanding the conditions for improvement of health and welfare of farmed fish through zero chemical tools. These activities will represent a step forward in knowledge on sustainable fish aquaculture in Italy.

Scientific disciplinary sector: BIO/06 ANATOMIA COMPARATA E CITOLOGIA now BIOS-04/A - Anatomia, biologia cellulare e biologia dello sviluppo comparate

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

Required degree: Laurea specialistica delle classi 6/S Biologia, 9/S Biotecnologie mediche, veterinarie e farmaceutiche, 68/S Scienze della natura, 82/S Scienze e tecnologie per l'ambiente e il territorio. Laurea magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-60 Scienze della natura, LM-75 Scienze e tecnologie per l'ambiente e il territorio.

Subjects of the interview: Histological techniques, transmitted light microscopy, anatomy of teleost fish and particularly of the digestive and respiratory systems.

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 - **02.09.2024 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 **05.09.2024 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 **06.09.2024** starting from **14:00** at Palazzo della Presidenza di SMFN, Edificio 9 (ex-chimica generale), primo piano, presso il Laboratorio di Ecologia del Benthos, Viale Benedetto XV n. 5, 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 or 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 Mariachiara CHIANTORE

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

Funding: PNRR - National Biodiversity Future Center

D.D. no. 1034 of 17.06.2022, registered by the Court of Auditors on 14.07.2022 no.1881

CUP D33C22000960007

Title: Development of sustainable macroalgae aquaculture with a view to the valorisation and restoration of marine resources.

Description: The winner of the grant will work on the implementation of macroalgal cultivation techniques, both of green and brown algae, in order to support their cultivation in marine, in-shore or off-shore aquaculture facilities and to implement ecological restoration actions. The research is performed within activities 2 and 3 of the National Biodiversity Future Center (NBFC), with the aim of developing techniques that promote the ecological and economic sustainability of ecological restoration and marine aquaculture. Indeed, the cultivation of macroalgae has an impact on carbon storage, water quality and the production of biomass of high nutraceutical value for human and animal nutrition, fulfilling UN SDGs 2, 3, 6 and 14.

Scientific disciplinary sector: BIO/07 ECOLOGIA now BIOS-05/A - Ecologia

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

Required degree: Laurea Magistrale delle classi LM-6 Biologia, LM-75 Scienze e Tecnologie per l'Ambiente e il Territorio.

Subjects of the interview: Macroalgae cultivation techniques; utilisation of biomass of marine origin; setting up macroalgae cultivation systems; ecological restoration techniques of macroalgal communities.

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

RESEARCH PROGRAM NO. 20

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **03.09.2024 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 **06.09.2024 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 will be held on **06.09.2024** at **17:00** at Dipartimento di Medicina Sperimentale (DIMES), Sezione di Fisiologia Umana, Viale Benedetto XV n. 3, 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 WEBEX. 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. Pietro BALDELLI

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

Funding: PRIN PNRR 2022 – Code project: P2022CRAXJ
D.D. no. 1409 of 14.9.2022 CUP D53D23019180001

Title: Configuring the homeostatic deficit as the primary cause of Alzheimer's disease onset: a treatment strategy based on the restoration of calcium homeostasis.

Description: Here we suggest that the driving force of Alzheimer disease (AD) could be triggered by failures in calcium homeostasis that, causing alterations on both excitatory and inhibitory synaptic inputs, induces conditions of unbalanced firing and synaptic activity in cortico-hippocampal circuits. We aim investigate whether the onset of such calcium dysregulation involve calcium release from intracellular stores through altered ryanodine receptors (RyR) activation. We aim to define whether such neuronal dys-homeostasis could be responsible for aberrant neural circuit activity associated with AD pathogenesis. Finally, we propose a strategy of calcium homeostasis and RyRs function rescue based on the administration of RyRs inhibitors. This strategy could pave the way the development of new therapeutical approaches for AD treatment.

Scientific disciplinary sector: BIO/09 FISILOGIA now BIOS-06/A - Fisiologia

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, LM-13 Farmacia e farmacia Industriale, LM-21 Ingegneria biomedica - Bioingegneria.

Subjects of the interview: The interview involves the presentation by the candidate of the Degree Thesis Project and the description of his/her previous research experience. The candidate will have to demonstrate a solid knowledge of the molecular and cellular basis of the pathogenesis of Alzheimer's disease. Furthermore, the candidate's preparation on specific topics of the research project will be assessed, such as the processes of maladaptive and homeostatic neuronal plasticity which can respectively favor or counteract the pathogenesis of neurodegenerative neurological disorders such as Alzheimer's disease and others.

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

RESEARCH PROGRAM NO. 21

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 at 9:00** 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 **03.10.2024 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 **03.10.2024** starting from **14:00** electronically via videoconference by platform *Zoom*.

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. Fabio BENFENATI

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

**Funding: PRIN 2022 PNRR (Project P2022EZ9LN)
D.D. no. 1409 of 14.09.2022 CUP D53D23019230001**

Title: A chemo-optogenetic nanosensor for the control of drug-resistant epilepsy (pH4Health).

Description: The project will develop chemo-optogenetic technologies for the inhibitory control of hyperexcitability during epileptic seizures.

Scientific disciplinary sector: BIO/09 FISIOLOGIA now BIOS-06/A - Fisiologia

Place: Dipartimento di Medicina Sperimentale (DIMES)

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

Subjects of the interview: Techniques for photostimulation: optogenetics and chemogenetics. Molecular sensor-actuators and gene therapy for the control of epilepsy.

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

RESEARCH PROGRAM NO. 22

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 at 12:00** 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 **03.10.2024 at 12:00** 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 **04.10.2024 at 14:00** at Dipartimento di Medicina Sperimentale (DIMES) Sezione Fisiologia Umana, Viale Benedetto XV n. 3, 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. Anna FASSIO

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

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: 2D and 3D human cell models for the study of neurological disorders.

Description: The project is dedicated to the characterization of the pathogenic mechanisms underlying neurological disorders using induced pluripotent stem cells (iPSC) obtained from the fibroblasts of patients with mutations in genes encoding for neuronal proteins. For this purpose, 2D differentiation protocols will be developed to obtain both excitatory and inhibitory mature neurons. On these models different effects of pathogenetic mutations on neuronal physiology will be evaluated such as possible alterations of molecular dynamics, of intracellular and membrane traffic or effects on neuronal excitability and neurotransmitter release processes. In parallel, 3D differentiation protocols will be developed to obtain cerebral organoids that will be used to study possible alterations in neuronal development and connectivity through imaging analysis and multielectrode recordings. Experience in stem cell culture is preferential requirement.

Scientific disciplinary sector: BIO/09 FISILOGIA now BIOS-06/A - Fisiologia

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree: Laurea magistrale delle classi LM-6 Biologia, LM-13 Farmacia e farmacia Industriale.

Subjects of the interview: The interview involves the presentation by the candidate of the Degree Thesis Project and the description of his or her prior research experience. In addition, the candidate's background on specific topics of the research project, such the mechanisms of neurotransmitter release and the control of neuronal excitability and the previous experience in culture of stem cells will be evaluated.

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

RESEARCH PROGRAM NO. 23

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 at 11:00**. 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 **09.09.2024** 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 Elena ZOCCHI

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

Funding: PRIN 2022YZCBKX

D.D. no. 104 of 2.2.2022 CUP D53D23005260006

Title: New strategies to reduce SARS-CoV-2 infectivity.

Description: The aim of the project is to design siRNAs capable of interfering with viral replication in vitro.

Scientific disciplinary sector: BIO/12 BIOCHIMICA CLINICA E BIOLOGIA MOLECOLARE CLINICA now BIOS-09/A - Biochimica clinica e biologia molecolare clinica

Place: Dipartimento di Medicina Sperimentale (DIMES)

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.

Subjects of the interview: molecular biology techniques

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

RESEARCH PROGRAM NO. 24

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **02.09.2024 at 10:30** 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 **05.09.2024 at 10:30** 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 **05.09.2024** at **15:30** at Dipartimento di Medicina Sperimentale (DIMES) presso i laboratori di Immunologia molecolare e cellulare della Sezione di Istologia (III piano) , Via G.B. Marsano n. 10, 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.ssa Silvia PESCE

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

**Funding: PRIN 2022 PNRR - Code Project no. P2022PKFNB
D.D. no. 1409 of 14.9.2022 CUP D53D23016380001**

Title: Analysis of NK cells and tumor cells derived from High Grade Serous Ovarian Carcinoma patients: focus on metabolic profile and its impact on immune checkpoint blockade immunotherapy.

Description: In this project, the molecular and cellular immunological mechanisms involved in the progression of high-grade serous ovarian carcinoma will be analyzed. In particular, the analyzes will be focused on the study of 1) the inhibitory pathways of the NK cells that infiltrate the tumor and 2) their metabolic profile which can influence the anti-tumor activity that these cells carry out in concert with the dendritic cells. The final goal is to identify new therapeutic targets to be combined with immunotherapy based on inhibitory checkpoint blockade.

Scientific disciplinary sector: BIO/17 ISTOLOGIA now BIOS-13/A - Istologia ed embriologia umana

Place: Dipartimento di Medicina Sperimentale (DIMES)

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

Subjects of the interview: Cells of innate immunity, with particular reference to human Natural Killer cells and the distribution of their receptor; multiparametric flow cytometric analyses, solid tumor dissociation techniques; organoids generation.

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

RESEARCH PROGRAM NO. 25

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 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 **03.10.2024 at 11:00**. 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 **03.10.2024** starting from **14:00** electronically via videoconference by platform *Google Meeting*.

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 Maria Pia SORMANI

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

Funding: PNRR - Project "The role of the mitochondrial permeability transition pore as a novel molecular target for stroke treatment" - MS - code project PNRR-MAD-2022-12376295 - M6C2 Investment 2.1. "Enhancing and strengthening biomedical research of the SSN".

**DDG MS no. 11 of 3.1.2023 registered by the Court of Auditors on 16.2.2023 no. 404
CUP D33C22001750006**

Title: Statistical analysis of biological data in patients with stroke

Description: The project will analyze the role of new molecular targets (e.g., mitochondrial permeability) for stroke treatment. In particular, based on the data collected through the web-based platform (RedCap), univariate and multivariate statistical models will be implemented to identify the molecular targets most strongly associated with a positive prognosis in stroke patients.

Scientific disciplinary sector: MED/01 STATISTICA MEDICA now MEDS-24/A - Statistica medica

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree: Laurea Magistrale della classe LM-82 Scienze statistiche - Biostatistica

Subjects of the interview: Advanced statistical methods for the analysis of biological and clinical data.

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

RESEARCH PROGRAM NO. 26

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 at 9:00** 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 **03.10.2024 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 **03.10.2024** at **14:00** at Dipartimento di Medicina Sperimentale (DIMES), aula piano terra della sezione di Patologia Generale, Via Leon Battista Alberti n. 2, 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. Guido FERLAZZO

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

Funding: PRIN 2022 cod. 2022YCT4Z9
D.D. no. 104 of 2.2.2022 CUP D53D23002010006

Title: Virus-induced Natural Killer cell triggering in atherosclerotic plaque destabilization and vascular complications.

Description: The project will pursue the following tasks:

Aim 1: To evaluate whether local replication of HCMV may influence vascular pathology through the expression of ligands for NK cell activating receptors as well as through the induction of chemotactic factors relevant for NK cell recruitment.

Aim 2: Assessing whether local replication of hCMV may determine reconfiguration of NK cell subset in atherosclerotic plaque (AP) and in autologous peripheral blood (PB), undermining plaque stability.

Aim 3: To investigate whether parameters related to NK cell compartment in PB might mirror hCMV-induced AP destabilization.

Aim 4: Establishing whether the atherosclerotic plaque represents a site for SARS-CoV-2 infection triggering NK cell-mediated response.

Aim 5: To correlate NK cell phenotypic and functional features of SARS-CoV-2 patients with AP destabilization and cardiovascular complications.

Scientific disciplinary sector: MED/04 PATOLOGIA GENERALE now MEDS-02/A - Patologia generale

Place: Dipartimento di Medicina Sperimentale (DIMES)

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.

Subjects of the interview: NK cells, effector mechanisms and regulation of immune response

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

RESEARCH PROGRAM NO. 27

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 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 **05.09.2024** 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. Matteo LAMBERTINI

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

Funding: Project PRIN 2022 - M4C2 - Investiment 1.1 "Research Projects of Significant National Interest" – Prot. 2022X2JTPF

D.D. no. 104 of 02.02.2022 CUP D53D23013830006

Title: Prognostic and predictive role of intrinsic molecular subtypes in brca-associated breast cancer (the pambraca study).

Description: This study will evaluate the distribution of intrinsic subtypes in 100 patients affected by HR+/HER2-negative BRCA-related breast cancer, testing the hypothesis that these tumors are enriched in molecular subtypes predictive of endocrine independence and resistance to CDK4/6 inhibitors. Furthermore, the study will evaluate the differences in the distribution of intrinsic subtypes between BRCA1-associated tumors and BRCA2-associated tumors and explore the prognostic and predictive role of different molecular subtypes in BRCA-associated HR+/HER2-negative tumor.

Scientific disciplinary sector: MED/06 ONCOLOGIA MEDICA now MEDS-09/A Oncologia medica

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

Required degree: Laurea specialistica delle classi 6/S Biologia, 9/S Biotecnologie mediche, veterinarie e farmaceutiche, 14/S Farmacia e farmacia industriale, 46/S Medicina e chirurgia, 69/S Scienze della nutrizione umana. 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.

Subjects of the interview: 1. Management of a clinical study from an administrative point of view. 2. Knowledge of Good Clinical Practice (GCP). 3. Management of clinical trial databases (Case Report Form). 4. Management and compilation of the documentation necessary for the submission of studies to the Ethics Committee

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

RESEARCH PROGRAM NO. 28

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 at 9:00** 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 **05.09.2024 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 **05.09.2024** starting from **11:00** 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 GRILLO

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

**Funding: PRIN 2022 - CODE 2022H8F797 – SECTOR ERC LS7 – PNRR M4.C2.1.1
D.D. no. 104 of 2.2.2022 CUP D53D23013510006**

Title: Mesenteric fibrosis in small bowel neuroendocrine neoplasms: histologic quantification, clinical correlation and radiomic approach.

Description: Neuroendocrine neoplasms of the small intestine - SI-NETs are well-differentiated and tend to have low-grade proliferation, they are often metastatic at diagnosis and can cause a peculiar fibrotic response in the intestinal mesentery when metastatic deposits are present. Little is known about why some tumours display fibrogenic characteristics, however they may develop severe complications (intestinal occlusion/ischaemia). The study hopes to elucidate the characteristics of SI-NET-induced mesenteric fibrosis, its formation and disease progression. The project anticipates an initial collection of formalin-fixed/paraffin-embedded tissue from patients diagnosed and resected for SI-NETs with subsequent analysis of the morphologic characteristics of the primary tumour as well as its mesenteric deposits including histologic re-evaluation, tumour/collagen ratio (through computer-assisted image analysis).

Scientific disciplinary sector: MED/08 ANATOMIA PATOLOGICA now MEDS-04/A- Anatomia patologica

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

Required degree: Laurea magistrale delle classi LM-41 Medicina e Chirurgia (ciclo unico), LM-6 Biologia, LM-9 Biotecnologie Mediche, Veterinarie e Farmaceutiche.

Subjects of the interview: Neuroendocrine neoplasms.

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

RESEARCH PROGRAM NO. 29

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **02.09.2024 at 15:00** 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 **06.09.2024 at 12:00** 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 **06.09.2024** at **15:00** at Dipartimento di scienze chirurgiche e diagnostiche integrate (DISC), Sezione di Anatomia Patologica, Via De Toni n. 14, 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. Valerio Gaetano VELLONE

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

Funding: PNRR – MUR -M4C2 - ECS00000035 - RAISE (Robotics and AI for Socio-economic Empowerment) – Investment Line 1.5 financed by the European Union - NextGenerationEU³.

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

CUP D33C22000970006

Title: Artificial Intelligence Algorithms in Digital Pathology for the Evaluation of Placentas with Maternal or Fetal Pathology.

Description: The project aims to develop AI algorithms for analyzing placental images with maternal or fetal pathologies, both at term and premature, to improve diagnosis and treatment. Placental samples will be collected, digitized, and annotated by expert pathologists to create a training dataset. Machine learning algorithms, including CNNs, will be trained and validated on this dataset. The system will be integrated with existing digital pathology platforms, offering an intuitive interface for pathologists. Expected outcomes include increased diagnostic accuracy, reduced analysis time, and improved clinical decision-making.

Scientific disciplinary sector: MED/08 ANATOMIA PATOLOGICA now MEDS-04/A- Anatomia patologica

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

Required degree: Laurea specialistica della classe 46/S Medicina e chirurgia. Laurea magistrale della classe LM-41 Medicina e Chirurgia.

Subjects of the interview: General Informations on Digital Pathology, Anatomy of the Placenta, Histology of the Placenta, Morphogenesis of the Placenta, Morphological Characteristics of Major Placental Pathologies of Maternal and Fetal Etiology, Both at Term and Premature.

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

RESEARCH PROGRAM NO. 30

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 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 **03.10.2024 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 will be held on **03.10.2024** at **15:00** at Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOEMI) presso Clinica Neurologica – Biblioteca, Largo Paolo Daneo n. 3, 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. Dario ARNALDI

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

Funding: PRIN 2022 - Prot. 2022LSSAK7
D.D. no. 104 of 2.2.2022 CUP D53D23012460006

Title: Multi-modal phenotyping of idiopathic REM sleep behavior disorder: statistical and machine learning analysis of neurodegeneration biomarkers in building a disease-modifying trial-ready cohort

Description: The aim of the project is to evaluate clinical and instrumental features of a cohort of subjects affected by idiopathic REM sleep behavior disorder (iRBD), to identify patients at high risk of phenoconversion to dementia and/or parkinsonism on a short term. The candidate will take care of the analysis of multimodal polysomnography data already acquired in iRBD subjects by using advanced statistical analysis, including but not limited to machine learning techniques. In particular, it is needed a specific expertise in developing and testing possibly open-source software, to be able to develop a standalone tool for analyzing multimodal polysomnographic data, in particular during REM sleep without atonia (RSWA).

Scientific disciplinary sector: MED/26 NEUROLOGIA now MEDS-12/A - Neurologia

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

Required degree: Laurea magistrale delle classi LM-17 Fisica, LM-18 Informatica, LM-32 Ingegneria Informatica, LM-21 Ingegneria Biomedica, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'ingegneria, LM-82 Scienze statistiche.

Subjects of the interview: Experience with machine learning techniques, statistical methods and numerical approaches for the analysis of multimodal time series and the solution of inverse problems. Knowledge on the analysis of electrophysiological signals, including but not limited to electroencephalography (EEG), electromyography (EMG) and electrooculogram (EOG). Expertise in the development of software packages in Python, Matlab or other programming languages.

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

RESEARCH PROGRAM NO. 31

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **03.09.2024 at 9:00** 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 **06.09.2024 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 **06.09.2024** starting from **11:00** 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. Gianmario SAMBUCETI

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

Funding: PNRR - MUR M4C2 – Investment 1.3 - Notice ‘Partnerships extended to universities, research centres, companies for the funding of basic research projects’ National Recovery and Resilience Plan, Mission 4 Education and Research - Component 2 From research to enterprise - Investment 1.3 - extended partnership MNESYS, identification code PE00006, Research and Innovation Programme entitled “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 at the Court of Auditors on 23.11.2022 no. 2948
CUP D33C22001340002**

Title: Validation of the use of tracers for neuroinflammation available for the synthesis in situ using a cyclotron system and radiopharmacy.

Description: The project aims to optimize the synthesis and validation procedure of tracers for the study of cellular functions in vivo, which can be assessed by positron emission tomography (PET). The grant holder will be involved in the development of synthesis models and models that can be used for the computational analysis of their kinetics. He will also be involved in the preparation and formal management of the scientific activity related to this activity.

Scientific disciplinary sector: MED/36 DIAGNOSTICA PER IMMAGINI E RADIOTERAPIA now MEDS-22/A - Diagnostica per immagini e radioterapia

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree: Laurea V.O. in Farmacia – Chimica e tecnologie farmaceutiche - Laurea magistrale delle classi LM-6 Biologia, LM-13 Farmacia e farmacia industriale -, LM-17 Fisica, LM-40 Matematica, LM-41 Medicina e chirurgia.

Subjects of the interview: The interview will focus on topics relating to the project, namely, tracer kinetics, PET in neurology, clinical trial design and regulation of the preparation of radiopharmaceuticals.

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

RESEARCH PROGRAM NO. 32

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 at 12:00** 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 **05.09.2024 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 **05.09.2024** starting from **15:30** 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. Alfredo MONTECUCCO

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

Funding: PRIN 2022 – Progetto Acute respiratory infection pilot surveillance in Italy: the role of emergent pathogens after SARS-CoV-2 diffusion – Prot. 2022ZJCFKJ –
D.D. no. 104 of 2.2.2022 CUP D53D23013960006

Title: Cute respiratory infection pilot surveillance in Italy: the role of emergent pathogens after SARS-CoV-2 diffusion

Description: Respiratory tract infections (RTI) are a major global public health problem due to their high morbidity and mortality. The main aim of the proposal is to provide a more detailed picture of actual epidemiological trends with a distribution that cover North and South Italy and to find tools to improve the surveillance of RTI. This research project has several aspects of interest: a) contemporary investigation of several clinical syndromes; b) identification of potentially 'emergent' pathogens and co-infections; c) Evaluation of appropriateness of diagnosis and treatment of RTIs with a focus on factors involved in antibiotic resistance acquisition; d) Development of a standardized fast, reliable, specific and sensitive molecular assay for the detection and quantification of respiratory pathogens responsible of a large part of RTI in Italian geographic area.

Scientific disciplinary sector: MED/42 IGIENE GENERALE E APPLICATA now MEDS-24/B - Igiene generale e applicata

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree: Laurea Specialistica delle classi 6/S Biologia, 46/S Medicina e chirurgia, 47/S Medicina veterinaria. Laurea magistrale delle classi LM-6 Biologia, LM-41 Medicina e chirurgia, LM-42 Medicina veterinaria

Subjects of the interview: Applied research activities in public health; knowledge of the epidemiology of Respiratory tract infections (RTI); data analysis skills and knowledge of the main diagnostic tests in healthcare setting

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

RESEARCH PROGRAM NO. 33

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 at 9:00** 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 **04.10.2024 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 will be held on **04.10.2024 at 14:30** at Campus di Savona – Meeting Room – Palazzina Oliva - Via Magliotto n. 2, Savona.

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. Marco TESTA

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

Funding: MUR Grant (Notice no. 3277 of 30-12-2021), 'Robotics and AI for socio-economic empowerment (RAISE) project', Ecosystem of Innovation of Liguria, PNRR - M4C2 - I1.5
D.D. no. 1053 of 23.06.2022 registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006

Title: Usability test of a pressure biofeedback device for the rehabilitation of the pelvic floor of people with Parkinson's disease.

Description: Pelvic floor dysfunctions, such as overactive bladder, are highly prevalent in the Parkinson's population, but the use of anticholinergics is not recommended due to their potential and frequent cognitive side effects. Therefore, non-pharmacological treatments like pelvic floor muscle training are preferred. However, the current use of invasive approaches, discomfort, and cultural taboos pose a threat to adherence to this type of intervention. Given these premises, the objective of the present project is to validate a non-invasive biofeedback system for pelvic training that utilizes pressure sensors. The functional prototype, already developed, needs to be initially validated on the healthy population and subsequently on individuals affected by Parkinson's disease, to promote its application in the clinical setting.

Scientific disciplinary sector: MED/48 SCIENZE INFERMIERISTICHE E TECNICHE NEURO-PSICHIATRICHE E RIABILITATIVE now MEDS-26/C - Scienze delle professioni sanitarie della riabilitazione

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

Required degree: Laurea magistrale della classe LM/SNT2 Scienze riabilitative delle professioni sanitarie

Subjects of the interview: 1) Principles of pelvic floor rehabilitation; 2) Principles of neuromotor rehabilitation, particularly in Parkinson's Disease; 3) Knowledge related to the development and validation of HealthTech devices (devices and tools for more accurate treatment or diagnosis and to promote personal care); 4) Knowledge of different tele-rehabilitation application methods

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

SCIENTIFIC DISCIPLINARY AREA CIVIL ENGINEERING AND ARCHITECTURE

RESEARCH PROGRAM NO. 34

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 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 **06.09.2024** starting from **15:00** 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. Vito DIANA

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

**Funding: Call PRIN 2022 PNRR
D.D. no. 1409 of 14.09.2022 CUP D53D23018250001**

Title: Multiscale modelling of the mechanics of soft tissues

Description: The Department of Civil, Chemical and Environmental Engineering of the University of Genoa is offering a post-doc position within the 2-years research project PRIN PNRR 2022 "A digital framework for the cutting of soft tissues: A first step towards virtual surgery" focused on multiscale modeling of the cutting process in human brain tissues. The ideal candidate should have document-ed background in solid mechanics and eventually in the mechanics of solid materials undergoing large deformations. Specific competences in peridynamic material modeling are also appreciated. The main objective of the project is to develop a constitutive framework in such a way to combine classical material models for brain tissues with the inherent capabilities of peridynamics to model (possibly evolving) discontinuities.

Scientific disciplinary sector: ICAR/08 SCIENZA DELLE COSTRUZIONI now CEAR-06/A – Scienza delle costruzioni

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

Required degree: Dottorato di ricerca in Scienze Meccaniche (Meccanica applicata, Meccanica dei Materiali, Meccanica Computazionale, Ingegneria Meccanica, Biomeccanica), Ingegneria Civile (e affini), Scienze Matematiche/Fisiche (e affini).

Subjects of the interview: Research interests of the candidate as well as general topics in mechanics of materials, constitutive modelling, compu-tational mechanics. Research activity and discussion of the publications.

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

RESEARCH PROGRAM NO. 35

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 at 9:00** 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 **03.10.2024 at 14:30** 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 **04.10.2024** at **14:30** at Dipartimento Architettura e Design (DAD), Stradone S. Agostino n. 37, 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.ssa Katia PERINI

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

Funding: Project H2020 FET “ECOLOPES - ‘ECOLOGICAL building enveLOPES: a game-changing design approach for regenerative urban ecosystems” GA Nr. 964414 – CUP D55F20002340005

Project PRIN 2022 PNRR “URBAN GENERATION: A design approach for climate change adaptation and mitigation” Prot. P2022AEN9Y – finanziato da Unione Europea – Next Generation EU - PNRR – M4C2 - Investiment 1.1 “Research Projects of Significant National Interest (PRIN)”

D.D. no. 1409 of 14.9.2022 CUP D53D23020090001

Title: Computational approaches for the design of ecological building envelopes (multispecies) and nature based solutions for climate change adaptation

Description: Densely built urban areas are particularly vulnerable to climate change and face significant challenges related to ecosystem health, citizen well-being, and environmental quality. Nature-based solutions can improve the ecological and environmental conditions of cities. The research aims to develop: 1) computational methods and tools for climate change adaptation, using CFD software and multicriteria analysis; 2) computational and multicriteria design of ecological and multispecies envelopes to enhance urban biodiversity, through the integration of animal and plant species and the improvement of thermal comfort.

Scientific disciplinary sector: ICAR/12 TECNOLOGIA DELL' ARCHITETTURA now CEAR-08/C - Progettazione tecnologica e ambientale dell'architettura

Place: Dipartimento Architettura e Design (DAD)

Required degree: Laurea magistrale della classe LM-4 Architettura e ingegneria edile-architettura.

Subjects of the interview: Climate change mitigation and adaptation, nature based solutions, computational fluid dynamics simulations, computational design, human wellbeing, ecological building envelopes, architectural design for biodiversity, multicriteria approaches.

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

RESEARCH PROGRAM NO. 36

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **03.09.2024 at 15:00** 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** **06.09.2024 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 will be held on **09.09.2024 at 10:00** at Dipartimento Architettura e Design (DAD), Stradone S. Agostino n. 37, 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. Alberto BERTAGNA

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

Funding: PRIN 2022 project 'MISERABILIA: Spaces and spectres of misery. Epicentre of studies, research, theories and projects for the development of an image and reality of the contemporary Italian city' Prot. 2022JYMWMS - financed by the European Union - Next GenerationEU - PNRR - M4C2 - Investment 1.1 "Research Projects of Significant National Interest (PRIN)".

D.D. no. 104 of 2.2.2022 CUP D53D23015270006

Title: Possibility and impossibility of architecture

Description: The research is connected to the work of the Unige unit of the PRIN "MISERABILIA: spazi e spettri della miseria". Two assumptions underlie the research: the removal of the space of existence of misery in the concrete and immaterial context of the West in favour of 'measurable conditions of poverty'; the presence of buildings in cities as evidence of a past in which poverty was a 'matter' of governance and planning. Collaborating with the research group, the research fellow will have to address the definition of tools and critical scenarios for the recognition and investigation of the tangible and intangible manifestations of misery and the development of methods and languages to narrate and design it.

Scientific disciplinary sector: ICAR/14 COMPOSIZIONE ARCHITETTONICA E URBANA now CEAR-09/A - Composizione architettonica e urbana

Place: Dipartimento Architettura e Design (DAD)

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

Subjects of the interview: On the curriculum and on the topics of the research PRIN. Candidates must also demonstrate the ability to define a critical framework relating to the most recent national and international experiences relevant to the research topic.

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

RESEARCH PROGRAM NO. 37

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 at 8:00**. 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 **06.09.2024 at 16:00**. 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 **06.09.2024** starting from **17:00** 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. Massimo RIVAROLO

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

Funding: PRIN2022 - XXXJAB

D.D. no. 104 of 2.2.2022 CUP D53D23004300006

Title: Models for hydrogen storage and utilization in fuel cells for maritime applications.

Description: In this research grant, the development of models for the simulation of hydrogen storage in metal hydrides and utilization in fuel cells will be investigated for maritime applications. In particular, models will be developed in order to size the devices for hydrogen storage and energy generation onboard ships throughout a multi-criteria approach, considering different parameters (weight, volume, cost and environmental impact). Furthermore, metal hydrides-fuel cells matching will be investigated from the energetic standpoint, with particular focus on the thermal integration, exploiting the heat produced by fuel cells to release the hydrogen from the metal hydrides storage. The matching will be studied in steady-state, time-dependent and dynamic conditions, modelling the storage and utilization systems and simulating their behaviour during transients from an operating cruise condition to another one.

Scientific disciplinary sector: ING-IND/09 SISTEMI PER L'ENERGIA E L'AMBIENTE now IIND-06/B Sistemi per l'energia e l'ambiente

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

Required degree: Laurea Magistrale delle classi LM-30 Ingegneria energetica e Nucleare, LM-33 Ingegneria meccanica, LM-34 Ingegneria Navale.

Subjects of the interview: Innovative energy systems; fuel cells; technologies for hydrogen storage; dynamics of energy systems.

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

RESEARCH PROGRAM NO. 38

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **01.10.2024 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 **04.10.2024 at 11:00** 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 **04.10.2024** at **12:00** at presso il Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione Macchine, Viale Cambiaso n. 4, 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. Alessandro SORCE

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

Funding: PRIN2022 PNRR - P2022ER7KM
D.D. no. 1409 of 14.9.2022 CUP D53D23018220001

Title: Exergetic analysis of an integrated system for the combined production of electricity, hydrogen and fresh water

Description: The activity consists of the techno-economic evaluation of a solution based on reversible solid oxide cells (rSOC) to be integrated with a fresh water generation system suitable for operation in remote/poorly connected areas, but with access to even low quality water. The proposed trigeneration technology produces electricity, hydrogen and fresh water. As a first step, modeling of the components to be integrated with the rSOC is required with a 0-D approach to be validated against experimental and literature results. These models will be used to perform the exergetic analysis, to optimize the system under the thermo-economic point of view.

Scientific disciplinary sector: ING-IND/09 SISTEMI PER L'ENERGIA E L'AMBIENTE now IIND-06/B Sistemi per l'energia e l'ambiente

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

Required degree: Laurea magistrale delle classi LM-22 Ingegneria Chimica, LM-30 Ingegneria energetica e nucleare, LM-33 Ingegneria meccanica, LM-34 Ingegneria Navale, LM-35 Ingegneria per l'ambiente e il territorio.

Subjects of the interview: Innovative energy systems; fuel cells; techno-economic analysis

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

RESEARCH PROGRAM NO. 39

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **01.10.2024 at 9:00** 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 **04.10.2024 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 will be held on **04.10.2024 at 10:00** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sezione Macchine, Viale Cambiaso n. 4, 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. Alessandro SORCE

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

**Funding: PRIN2022 PNRR - P2022ER7KM
D.D. no. 1409 of 14.9.2022 CUP D53D23018220001**

Title: Exergetic analysis of a photocatalysis system coupled with reversible solid oxide cells.

Description: The activity consists of the techno-economic evaluation of a solution based on reversible solid oxide cells (rSOC) to be integrated with a photocatalysis system suitable for operation in remote/poorly connected areas. As a first step, modeling of the components to be integrated with the rSOC is required with a 0-D approach to be validated against experimental and literature results. These models will be used to perform the exergetic analysis, to optimize the system under the thermo-economic point of view

Scientific disciplinary sector: ING-IND/09 SISTEMI PER L'ENERGIA E L'AMBIENTE now IIND-06/B Sistemi per l'energia e l'ambiente

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

Required degree: Laurea magistrale delle classi LM-22 Ingegneria Chimica, LM-30 Ingegneria energetica e nucleare, LM-33 Ingegneria meccanica, LM-34 Ingegneria Navale, LM-35 Ingegneria per l'ambiente e il territorio.

Subjects of the interview: Innovative energy systems; fuel cells; techno-economic analysis

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

RESEARCH PROGRAM NO. 40

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 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 **03.10.2024 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 will be held on **04.10.2024 at 9:00** at Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Via Opera Pia n. 15, 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.ssa Chiara MANDOLFINO

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

**Funding: Project PRIN 2022WF78T3
D.D. no. 961 of 30.6.2023 CUP D53D23004180006**

Title: Reduction environmental impact of metal forming processes by understanding and developing electro-assisted plasticity.

Description: The manufacturing sector has a deep impact on the environment, with increasing data on energy consumption, global temperatures, and CO2 levels indicating unsustainable conditions. With the growing demand for goods, it is essential to make production processes more sustainable. This research aims to develop new knowledge to design metal forming processes with a lower environmental impact. The study will investigate the effect of electric current on aluminum alloys, steels, and titanium alloys to improve their formability, reducing the necessary temperatures and forces. If achieved, the research objectives will enable the development of more sustainable processes and a better understanding of the plastic behavior of metals, including a detailed sustainability assessment.

Scientific disciplinary sector: ING-IND/16 TECNOLOGIE E SISTEMI DI LAVORAZIONE now IIND-04/A - Tecnologie e sistemi di lavorazione

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

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

Subjects of the interview: Methodologies for metallic materials characterization; (ii) statistical data analysis methods and related software; (iii) life cycle assessment and associated software; (iv) previous practical laboratory experience

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

RESEARCH PROGRAM NO. 41

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **02.10.2024 at 12:00** 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 **09.10.2024 at 12:00** 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 **09.10.2024** at **13:00** at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Opera Pia n.15 A, 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.ssa Cristina MOLINER

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

**Funding: MUR – PRIN: GREENSOL
D.D. no. 104 of 2.2.2022 CUP D53D23003110001**

Title: Environmentally friendly solvents designed for CO₂ capture through computational modelling.

Description: Given the urgent need to reduce global CO₂ emissions, the development of more efficient technologies for post-combustion CO₂ capture based on innovative solvents is of particular interest. The project aims at identifying suitable amines to be mixed with Cyrene and water. The water lean solvent composition will be defined using QSARs (Quantitative Structure-Activity Relationships) and Molecular Dynamics simulations to determine the best candidate in terms of CO₂ capture efficiency and health, safety and environmental impacts. Once the solvent composition has been established, simulation of the CO₂ capture process for a flue gas reference stream will be carried out and compared with experimental data.

Scientific disciplinary sector: ING-IND/24 PRINCIPI DI INGEGNERIA CHIMICA now ICHI-01/B Principi di ingegneria chimica

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

Required degree: Dottorato di ricerca in Ingegneria Chimica, Chimica (o equivalenti)

Subjects of the interview: Absorbents for CO₂, water lean solvents, thermodynamics, multiscale simulation: molecular dynamics and process simulation.

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

RESEARCH PROGRAM NO. 42

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **01.10.2024 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 **04.10.2024 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 04.10.2024 at 12:00 at Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Padiglione A, stanza I-16, Via dell'Opera Pia n. 15, 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.ssa Roberta CAMPARDELLI

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

Funding: PRIN 2022 – GREEN_PACK

D.D. no. 104 of 2.2.2022

CUP D53D23003120001

Title: Development and characterization of new materials for food packaging.

Description: The research activity will be focused on the development and characterization of active packaging produced from natural components with antioxidant and antimicrobial properties. The objective will be to use natural active compounds extracted from agrifood waste and biodegradable biopolymers in order to produce multilayer polymer films. The packaging thus composed will be produced using innovative technologies such as solvent casting and electrospinning, which allow to operate in mild operating conditions, allowing the preservation of packaging functional properties

Scientific disciplinary sector: ING-IND/25 IMPIANTI CHIMICI now ICHI-02/A- Impianti chimici

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

Required degree: Laurea magistrale della classe LM-22 Ingegneria chimica.

Subjects of the interview: The interview will focus on production technologies for food packaging systems through innovative technologies and related analytical methods for characterization.

The candidate will need to prove his/her knowledge of the english language (assessed by reading and understanding a scientific text in English).

RESEARCH PROGRAM NO. 43

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **27.09.2024 at 12:00**. 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 **02.10.2024 at 16:00**. 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 **04.10.2024** 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.ssa Gabriella GARBARINO

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

Funding: PROMETH2eus – PROduction of green H₂ from seawater by means of an innovative electrolyser operating at high temperature with integration in a power-to-METHanol process, financed by MiTE within the framework of the 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 - PI Maria Paola Carpanese.
D.D. no. 126 of 27.06.2022 CUP F37G22000080006

Title: Catalytic processes for “Power to methanol” and implementation with reversible solid oxide cells.

Description: The main objectives of the research project are the development and testing of active and selective heterogeneous catalysts in the conversion of CO₂ to methanol, evaluating the possible integration with the chosen electrochemical device operating in reversible mode for integration with the national electricity grid. 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 now ICHI-02/B Chimica industriale 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, LM-53 Scienza ed Ingegneria dei Materiali - LM SC.MAT Scienza e Tecnologia dei Materiali.

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. 44

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **03.09.2024 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 **06.09.2024 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 **06.09.2024** at **14:00** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN), Via Opera Pia n. 11a , 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. Matteo LODI

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

**Funding: MUR PRIN 2022 “DCNanoSyn: Distributed DC nanogrids to restore the system frequency and dynamic stability providing SYNthetic inertia and damping”
D.D. no. 104 of 2.2.2022 CUP D53D23001510001**

Title: Modeling and FPGA implementation of a synthetic inertia/damping controller for a DC nanogrid

Description: DC nanogrids (DCNGs) can support the electrical system in preserving its stability in the presence of renewable energy sources. To this aim, dedicated controllers must be designed, to make DCNGs act as virtual synchronous generators, i.e., providing additional active power that includes the inertial response, proportional to the time derivative of the frequency deviation, and the damping response, proportional to the frequency deviation. In this research, a behavioral model of the DCNG with its integrated synthetic inertia/damping controller will be obtained and used to evaluate the impact of the provided synthetic inertia and damping on the grid, in a chosen set of benchmarks. In a second phase, the controller will be implemented on a dedicated FPGA and integrated into a real DCNG.

Scientific disciplinary sector: ING-IND/31 ELETTROTECNICA now IIET-01/A - Elettrotecnica

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

Required degree: Laurea magistrale della classe LM-29 ingegneria elettronica.

Subjects of the interview: Nonlinear modeling, programmable digital circuits, inverter, MATLAB and Simulink.

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

RESEARCH PROGRAM NO. 45

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **02.09.2024 at 9:00** 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 **05.09.2024 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 will be held on **05.09.2024** at **14:00** at Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN) Digital Signal Processing Laboratory (DSP-Lab), Building "P. Casalino" (ex Building "E"), III piano, Via 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 Zoom. 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. Andrea SCIARRONE

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

Funding: PNRR MUR - Innovation Ecosystem "RAISE" (Robotics and AI for Socio-economic Empowerment), WP1 Spoke 2 "Smart Devices and Technologies for Personal and Remote Healthcare"
D.D. no. 1053 of 23.6.2022, registered by the Court of Auditors on 25.07.2022 no. 1970
CUP D33C22000970006

Title: Biometric signals processing through Deep Learning techniques for remote patient monitoring.

Description: The research activity develops within the RAISE Ecosystem, specifically, in WP1 of Spoke2 "Smart Devices and Technologies for Personal and Remote Healthcare". The objectives of SPOKE 2 are to develop technologies to facilitate the development of new technologies and scientific solutions to support telemedicine. Specifically, the research activity will concern (but not limited to) the design and implementation of smart and innovative signal processing solutions for wearable IoT devices aiming at the remote monitoring of the patient's rehabilitation activity.

Scientific disciplinary sector: ING-INF/03 TELECOMUNICAZIONI now IINF-03/A Telecomunicazioni

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

Required degree: Laurea V.O. in Ingegneria Elettronica, Ingegneria Informatica, Ingegneria Biomedica, Ingegneria delle Telecomunicazioni. Laurea specialistica delle classi 26/S Ingegneria Biomedica, 30/S Ingegneria delle Telecomunicazioni, 32/S Ingegneria Elettronica, 35/S Ingegneria Informatica. Laurea magistrale delle classi LM-21 Ingegneria Biomedica, LM-27 Ingegneria delle Telecomunicazioni, LM-29 Ingegneria Elettronica, LM-32 Ingegneria Informatica.

Subjects of the interview: Digital Signal Processing, Machine/Deep Learning, IoMT, Context-Awareness, Ambient Intelligence.

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

RESEARCH PROGRAM NO. 46

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 at 11:00**. 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 **06.09.2024** starting from **11:00** 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. Angelo ALESSANDRI

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

**Funding: PRIN 2022 - Project Code 2022S8XSMY - 100025-2023-AA-PRIN_Bando 2022
D.D. no. 716 of 25.5.2023 registered by the Court of Auditors Prot. no. 960 of 30.6.2023
CUP D53D23001480006**

Title: Optimal robust shape control for distributed parameter systems.

Description: Nonlinear partial differential equations that account for a dynamically changing shape as the level set of its solution are not input-to-state stable. Input-to-state stability is well-established for finite-dimensional systems, but it is much less understood in the infinite-dimensional case, especially when dealing with nonlinear partial differential equations with applications to multi-phase systems, computational biology, bioreactors, wildfire spread containment, and nuclear fusion. The proposed research is at the cutting edge of control and numerical mathematics and involves both the University of Genoa and CNR-National Research Council of Italy.

Scientific disciplinary sector: ING-INF/04 AUTOMATICA now IINF-04/A - Automatica

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

Required degree: Laurea specialistica delle classi 20/S Fisica, 23/S Informatica, 25/S Ingegneria aerospaziale e astronautica, 26/S Ingegneria biomedica, 29/S Ingegneria dell'automazione, 31/S Ingegneria elettrica, 30/S Ingegneria delle telecomunicazioni, 32/S Ingegneria elettronica, 34/S Ingegneria gestionale, 35/S Ingegneria informatica, 36/S Ingegneria meccanica, 37/S Ingegneria navale, 38/S Ingegneria per l'ambiente e il territorio, 45/S Matematica, 50/S Modellistica matematico-fisica per l'ingegneria. Laurea magistrale delle classi LM- 17 Fisica, LM-18 Informatica, LM-20 Ingegneria Aerospaziale e Astronautica, LM-21 Ingegneria Biomedica, LM-25 Ingegneria dell'Automazione, LM-26 Ingegneria della Sicurezza, LM-27 Ingegneria delle Telecomunicazioni, LM-28 Ingegneria Elettrica, LM-29 Ingegneria Elettronica, LM-31 Ingegneria Gestionale, LM-32 Ingegneria Informatica, LM-33 Ingegneria Meccanica, LM-34 Ingegneria Navale, LM-35 Ingegneria per l'Ambiente e il Territorio, LM-40 Matematica, LM-44 Modellistica matematico-fisica per l'Ingegneria, LM-66 Sicurezza Informatica.

Subjects of the interview: Basics of automatic control for dynamic systems

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

RESEARCH PROGRAM NO. 47

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **03.09.2024 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 **06.09.2024 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 **06.09.2024** starting from **15:00** 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 Silvia SIRI

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

Funding: PRIN 2022 Sustainable Mobility Control Strategies for Urban and Extra-Urban Traffic via Electric Connected and Automated Vehicles and Buses (2022BB9JC9)

D.D. no. 1409 of 14.9.2022 CUP D53D23001120006

Title: Development of models and control algorithms for electric connected and automated vehicles and buses in urban and extra-urban traffic networks

Description: The research activity is devoted to the development of models and control algorithms for mobility systems in which automated electric vehicles and buses coexist. The first activity deals with the formalization of detailed models for simulation and performance assessment for such vehicles in urban and extra-urban traffic networks. The second activity addresses the definition of simplified models, to be used for prediction purposes within optimal control schemes. The activity on definition of control algorithms can be divided in two phases. The former involves the design of low-level control strategies, while the latter is devoted to the design of high-level control strategies, based on traffic system logics, for automated electric vehicles and buses.

Scientific disciplinary sector: ING-INF/04 AUTOMATICA now IINF-04/A- Automatica

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

Required degree: Laurea magistrale delle classi LM-25 Ingegneria dell'automazione, LM-26 Ingegneria della sicurezza, LM-27 Ingegneria delle telecomunicazioni, LM-28 Ingegneria elettrica, LM-29 Ingegneria elettronica, LM-30 Ingegneria energetica e nucleare, LM-31 Ingegneria gestionale, LM-32 Ingegneria informatica, LM-33 Ingegneria meccanica

Subjects of the interview: Models and control methods for dynamic systems.

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

RESEARCH PROGRAM NO. 48

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 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 **06.09.2024** 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. Carmine Tommaso RECCHIUTO

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

Funding: Project SONRIE (Codice progetto P2022ZRP9H)

D.D. no. 1409 of 14.9.2022 CUP D53D23020550001

Title: A software system for verbal and non-verbal robotic interaction in schools and multicultural contexts.

Description: The research will focus on investigating a portfolio of different solutions to define the overall software framework for a social robot to be used in a multicultural school setting, enabling it to interact verbally with children in different languages during classical school activities. During the interaction, the robot will prove to be aware of the different cultures of the children, by selecting languages, conversation topics and adopting social norms that adhere to the specific targets, finally learning their specific preferences. The researcher will use instruments such as hierarchically-structured ontologies, causal Bayesian networks, and hybrid probabilistic ontology. Alternative and augmentative communication mechanisms will also be investigated to improve the interaction capabilities of the robot. Finally, given the multiparty scenario, strategies to take into account different speakers and to different roles in conversation will be explored.

Scientific disciplinary sector: ING-INF/05 SISTEMI DI ELABORAZIONE DELLE INFORMAZIONI now IINF-05/A - Sistemi di elaborazione delle informazioni

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-25 Ingegneria dell'Automazione, LM-29 Ingegneria elettronica, LM-32 Ingegneria informatica

Subjects of the interview: Social robotics, Python and Android programming, cloud systems, dialogue management systems.

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

RESEARCH PROGRAM NO. 49

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 at 12:00**. 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 **03.10.2024 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 **03.10.2024** starting from **15:00** 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 Maura CASADIO

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

Funding: PRIN2022 Visionary

D.D. no. 1409 of 14.9.2022 CUP D53D23003090006

Title: Advanced visual feedback for neurorehabilitation systems based on Virtual Reality

Description: The goal of the project is to develop and test exergames in Virtual Reality (VR) which use visual feedback manipulations to change motor strategies and muscular patterns. Visual feedback will be changed according to user's movement and muscular signals. The ultimate goal is to find new methodologies to promote recovery of people with motor deficits resulting from neural diseases. This will be achieved by designing VR-based exercises letting people move and control objects with their movements and/or muscular activity. These exercises will be characterized by difficulty levels and scoring systems. The candidate will manage development phase, data collection, and take part into the data analysis, in collaboration with all the project partners: University of Cagliari and Politecnico of Turin.

Scientific disciplinary sector: ING-INF/06 BIOINGEGNERIA ELETTRONICA E INFORMATICA now IBIO-01/A - Bioingegneria

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: VR Systems, System for collecting movement-related data, Graphic Engines, Electromiography, Tools for analyzing movement and performance data.

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

RESEARCH PROGRAM NO. 50

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **01.10.2024 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 **04.10.2024 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 **04.10.2024** starting from **11:45** 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. Paolo MASSOBRIO

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

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: Development of advanced data analysis algorithms for characterizing neuronal dynamics

Description: Complex neuronal networks exhibit recurrent motifs of electrophysiological activity. This behaviour is well conserved among the different experimental models typically used for the study of the brain. In particular, the aim of this project is developing advanced data analysis algorithms both for temporal dynamics as well as for functional interactions, to apply to in vitro models with different degrees of complexity (2D networks, 2D interconnected networks, 3D networks, 3D scaffold-free networks, etc.).

Scientific disciplinary sector: ING-INF/06 BIOINGEGNERIA ELETTRONICA E INFORMATICA now IBIO-01/A – Bioingegneria

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.

SCIENTIFIC DISCIPLINARY AREA ANCIENT, PHILOLOGICAL-LITERARY AND HISTORICAL-ARTISTIC SCIENCES

RESEARCH PROGRAM NO. 51

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024** at **9:00**. 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 **05.09.2024** 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 **06.09.2024** starting from **17:00** 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. Fabio NEGRINO

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

Funding: PRIN 2022 project SAPIens and SAPajus: evolution of technology in human and non-human primates, Code 2022FATAHZ. Funded by the European Union - Next Generation EU, under Mission 4 'Education and Research', Component 2 'From Research to Enterprise', Investment 1.1, National Research Programme Fund and Projects of Significant National Interest (PRIN) of the National Recovery and Resilience Plan.

D.D. no. 104 of 2.2.2022 CUP D53D23000640006

(Directorial Decree of admission to funding prot. no. 969 of 30/06/2023)

Title: Collecting, consumption and use of seashells from the site of Arma delle Manie (Finale Ligure, Savona, Italy) and other Ligurian Mousterian sites: analysis of techno-economic behavior and cognitive processes.

Description: The analysis aims to study the marine malacological collections of the site of Arma della Manie (Finale Ligure, Savona, Italy) and other Ligurian Mousterian contexts. Through a techno-functional approach and a multivariate statistical analysis, the similarities between the different assemblages will be tested and, more generally, the behavior and cognitive processes will be analyzed in order to compare them with the results coming from the study of the lithic artefacts produced by Neanderthals in the aforementioned site.

Scientific disciplinary sector: L-ANT/01 PREISTORIA E PROTOSTORIA now ARCH-01/A - Preistoria e protostoria

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

Required degree: Laurea Magistrale della classe LM-2 Archeologia.

Subjects of the interview: A good knowledge of the European Middle Palaeolithic and the African Middle Stone Age (MSA) is required, with particular attention to the study of symbolic and decorative elements, their techno-functional classification and the processing of data obtained through multivariate statistical systems. A thorough knowledge of the Middle Palaeolithic in Liguria and neighboring territories is also expected.

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

RESEARCH PROGRAM NO. 52

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 at 10:30**. 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 **05.09.2024 at 10:30**. 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 **06.09.2024** starting from **10:30** 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.ssa Serena PERRONE

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

Funding: PRIN: PRIN 2022 Laugh Tracks. Greek Comedy in Ptolemaic Egypt. Funded by the European Union - Next Generation EU, within Mission 4 'Education and Research', Component 2 'From Research to Enterprise', Investment 1.1, National Research Programme Fund and Projects of Significant National Interest (PRIN) of the National Recovery and Resilience Plan. Code 20228SERKN

D.D. no. 104 of 2.2.2022 CUP D53D23014930006

(D.D. of admission to funding no. 1079 of 19.07.2023)

Title: Greek Comedy in Ptolemaic Egypt: ancient scholarship and the lexicographic-etymological tradition

Description: The research fellow will work within the project "Laugh Tracks. Greek Comedy in Ptolemaic Egypt", which aims to outline a cultural history of the reception of Comedy in Ptolemaic Egypt, investigating the mutual influence of that specific context on the transmission of Greek Comedy, and the heritage of Greek Comedy on new literature produced there. Particularly, the research fellow is expected to contribute to the study of Alexandrian scholarship and ancient exegesis on Comedy, with specific attention to the linguistic and lexicographical aspects and their impact within the tradition of the etymologica and lexica.

Scientific disciplinary sector: L-FIL-LET/05 FILOLOGIA CLASSICA now FICP-01/A Filologia greca e latina

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

Required degree: Dottorato di ricerca in discipline classiche

Subjects of the interview: The interview will aim to assess the candidates' knowledge of Greek comedy, Alexandrian philology, the historical-cultural context of Ptolemaic Egypt, and the tradition of ancient lexica and etymologica. The candidates will be invited to illustrate their potential contribution to the project, according to the line of research outlined in the description

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

RESEARCH PROGRAM NO. 53

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 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 **03.10.2024 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 **04.10.2024** starting from **15:00** 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. Filippo DOMANESCHI

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

Funding: PRIN 2022 EPITHETS - Explaining Pejoratives In THEoretical and Experimental Terms. Funded by the European Union - Next Generation EU, within Mission 4 'Education and Research', Component 2 'From Research to Enterprise', Investment 1.1, National Research Programme Fund and Projects of Significant National Interest (PRIN) of the National Recovery and Resilience Plan. Code 2022N87CR9

D.D. no. 104 of 2.2.2022 CUP D53D23009780006

(D.D. of admission to funding no. 1016 of 07.07.2023)

Title: EPITHETS – Explaining Pejoratives in Theoretical and Experimental Terms

Description: The researcher will carry out his/her work within the research project EPITHETS – Explaining Pejoratives in Theoretical and Experimental Terms. The researcher will conduct a series of experimental studies, in the field of psycholinguistics, involving the use of the eye-tracker, aimed at investigating the semantic behavior of different categories of negative expressive terms.

Scientific disciplinary sector:L-LIN/01 GLOTTOLOGIA E LINGUISTICA now GLOT-01/A - Glottologia e linguistica

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

Required degree: Laurea magistrale delle classi LM-14 Filologia moderna, LM-39 Linguistica, LM-51 Psicologia, LM-78 Scienze filosofiche.

Subjects of the interview: During the interview, the candidate's skills in the field of theoretical semantics and pragmatics will be assessed. In particular, the knowledge of the main semantic models on expressive content will be evaluated. The methodological skills of the candidate from an experimental point of view will also be assessed and, in particular, his or her skills in using laboratory software (EPrime, PsychoPy, etc), in conducting statistical analyzes (Mixed Models with R) as well as her/his knowledge of the main psycholinguistic techniques (Response times, Eye-tracker, EEG).

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

RESEARCH PROGRAM NO. 54

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **02.09.2024 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 **05.09.2024 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 will be held on **06.09.2024** at **15:00** at Dipartimento di Lingue e Culture Moderne, Studio della Prof.ssa Fedriani (studio III.12), Piazza Santa Sabina n. 2, 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.ssa Chiara FEDRIANI

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

Funding: PRIN project 'Dialogical interaction in diachrony: a pragmatic history of the Italian language' Project code 2022CR8E8W - CUP D53D23009600006

PRIN Project 'La ricezione germanica della Chirurgia magna di Lanfranco di Milano: edizione critica e commento terminologico dei rammi inglese e tedesco della tradizione'.

Project Code 202223C8Z4 - CUP D53D23014710006

D.D. no. 104 of 2.2.2022

Title: Annotation of pragmatic phenomena in a diachronic corpus of Italian literary texts.

Description: The project aims to create a corpus of pragmatically annotated texts, the DIADIta corpus, to explore and further research the communicative uses and pragmatic strategies that have characterised the linguistic history of Italian, from the Novellino to the 20th century. The post-doc fellow will proceed to the manual annotation of the pragmatically relevant units identified in the texts (speech acts, pragmatic functions and purposes, etc.) and will analyse qualitatively and quantitatively relevant phenomena. The results will be presented at conferences and published in volumes and journals. The post-doc fellow will also collaborate in the project on the Germanic reception of Lanfranc of Milan's *Chirurgia magna* by dedicating herself to the creation and updating of the project's website.

Scientific disciplinary sector: L-LIN/01 GLOTTOLOGIA E LINGUISTICA now GLOT-01/A - Glottologia e linguistica

Place: Dipartimento di Lingue e Culture Moderne

Required degree: Laurea magistrale delle classi LM-14 Filologia moderna, LM-39 Linguistica, LM-37 Lingue e letterature moderne europee e americane, LM-38 Lingue moderne per la comunicazione e la cooperazione, LM-37/LM-38 Lingue e letterature moderne per i servizi culturali.

Subjects of the interview: Pragmatics, historical pragmatics, corpus linguistics.

SCIENTIFIC DISCIPLINARY AREA HISTORICAL, PHILOSOPHICAL, PEDAGOGICAL AND PSYCHOLOGICAL SCIENCES

RESEARCH PROGRAM NO. 55

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 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 **05.09.2024** 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.ssa Stefania MANGANO

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

Funding: PRIN 2022 – Project 100015-2023-DT-prin_Bando2022
D.D. no. 104 of 2.2.2022 CUP D53D23007400006

Title: Territorial and community resilience in the presence of reterritorialization, emergency and conflict phenomena.

Description: The research aims to delve into the theme of territorial resilience, including within this notion also community resilience. Specifically, the topic will be approached from two perspectives that share the capacity of territories and communities to develop forms of resilience in the face of exogenous and anthropogenic stressors such as migrations, resource acquisition and usage conflicts, the introduction of new economic activities (e.g., the forms of tourism planned in the area of Gallinara Island as part of the Liguriatourism project), and environmental factors such as those induced by climate change, also in relation to the Migration-Conflict Nexus. The investigations will be based on field study methodologies, focus groups, interviews, and questionnaires

Scientific disciplinary sector: M-GGR/02 GEOGRAFIA ECONOMICO-POLITICA now GEOG-01/B - Geografia economico-politica

Place: Dipartimento di scienze politiche e internazionali (DiSPI)

Required degree: Laurea specialistica delle classi 21/S Geografia, 60/S Relazioni internazionali, 88/S Scienze per la cooperazione allo sviluppo. Laurea magistrale delle classi LM-80 Scienze geografiche, LM-52 Relazioni internazionali, LM-81 - Scienze per la cooperazione allo sviluppo.

Subjects of the interview: Techniques for collecting, analyzing and representing both primary (life stories, semi-structured interviews, questionnaires) and secondary (statistical data) data; relationships between territorialization processes and community resilience dynamics.

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

RESEARCH PROGRAM NO. 56

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 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 **03.10.2024 at 8:00**. 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 **04.10.2024** starting from **8:00** 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. Pietro PIANA

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

**Funding: PRIN 2022 PNRR - Project PRIN Envisioning landscapes: geohistorical travel sources and GIS-based approaches for participative territorial management and enhancement (code P2022PAHJT)
D.D. no. 1409 of 14.9.2022 CUP D53D23020240001**

Title: Landscape dynamics and travel sources for territorial management and enhancement in Liguria.

Description: The study of landscape increasingly relies on the analysis of historical documents as innovative sources of data. Iconographic and textual sources produced by local and international travellers, allow for the reconstruction of both structural and perceptive aspects, providing insights for landscape enhancement. The research activity of the grant within the PRIN project will focus on the analysis of pilot cases in the Ligurian context, with reference to coastal and agricultural landscapes, villages, and hydrogeological risk. Through the creation of a webGIS, the documentation will be shared with the public and local institutions with the aim of increasing knowledge of the landscape and exploring the potential of this information in territorial planning.

Scientific disciplinary sector: M-GGR/02 GEOGRAFIA ECONOMICO-POLITICA now GEOG-01/B - Geografia economico-politica

Place: Dipartimento di scienze politiche e internazionali (DiSPI)

Required degree: Laurea specialistica delle classi 21/S Geografia, 42/S Lingue e letterature moderne euroamericane, 60/S Relazioni internazionali, 88/S Scienze per la cooperazione allo sviluppo, 94/S Storia contemporanea, 98/S Storia moderna, 99/S Studi europei. Laurea magistrale delle classi LM-37 Lingue e letterature moderne europee e americane, LM-52 Relazioni internazionali, LM-80 Scienze geografiche; LM-81 Scienze per la cooperazione allo sviluppo, LM-84 Scienze storiche, LM-90 Studi europei.

Subjects of the interview: Geo-historical research methodologies, GIS, coastal and rural landscape of Liguria.

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

RESEARCH PROGRAM NO. 57

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 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 **03.10.2024 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 **04.10.2024** starting from **11:00** 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. Jacopo DELLA TORRE

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

**Funding: Project PRIN 2022 PNRR – Project: CRYPTOSAFE (Towards a safe seizure and confiscation of crypto-assets in criminal proceedings) - Code project P2022HW85A
D.D. no. 1409 of 14.9.2022 CUP D53D23022280001**

Title: New frontiers in the investigation of crypto assets

Description: The phenomenon of crypto-assets has been a highly debated topic in recent years. Because of their “pseudonymity” and lack of regulations, these virtual goods are increasingly leveraged by criminal groups in their illicit undertakings. While the EU and some national legislators have taken initiatives on the matter, bespoke criminal procedural laws and digital forensic practices are missing to efficiently carry out seizures and confiscations of crypto-assets. Against this background, the CRYPTOSAFE project proposes an innovative line of research: the study will reconstruct the operational profiles of digital investigations, seizures and confiscations of crypto-assets, both at the internal and EU level. The research will be three-fold: analysis of the relevant national and EU legal bases, including a comparative study of the UK, US and French frameworks; empirical and statistical surveys; and a technological analysis.

Scientific disciplinary sector: IUS/16 DIRITTO PROCESSUALE PENALE now GIUR-13/A - Diritto processuale penale

Place: Dipartimento di Giurisprudenza

Required degree: Dottorato di ricerca in materie giuridiche.

Subjects of the interview: Concept of cryptocurrency and blockchain; digital investigations with reference to blockchain; seizures in criminal proceedings; confiscation; issues in cryptocurrency regulation at the European level.

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

RESEARCH PROGRAM NO. 58

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **02.09.2024 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 **05.09.2024 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 **06.09.2024** 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. Edmondo MOSTACCI

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

Funding: PRIN 2022 – project title “ROOSEVELT IN BRUSSELS. A revival of activist government in post-pandemic Europe?”

D.D. no. 104 of 2.2.2022 CUP D53D23007510006

Title: Activist government and the hard political, social and environmental sustainability of financial capitalism: relevance and value of the New Deal experience.

Description: The general subject of the research project is the role played by the state within economic and social processes, with particular attention to the forms and models actually assumed by public intervention. This object will have to be analysed with the tools of legal comparison, going both to deepen the genetic moment of the activist government model and its circulation in the European context, to then focus on its re-emergence in the current post-pandemic context.

Scientific disciplinary sector: IUS/21 DIRITTO PUBBLICO COMPARATO now GIUR-11/B - Diritto pubblico comparato

Place: Dipartimento di scienze politiche e internazionali (DiSPI)

Required degree: Laurea magistrale della classe LMG/01 Giurisprudenza

Subjects of the interview: The oral discussion will cover the following topics: methodologies of legal comparison; U.S. law; law and sustainability in Europe (e.g. EU Green deal, European Taxonomy Regulation, Next Generation EU).

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

RESEARCH PROGRAM NO. 59

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **03.09.2024 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 **06.09.2024 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 **06.09.2024** 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 Lucia LEPORATTI

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

Funding: PRIN PNRR 2022

D.D. no. 1409 of 14.9.2022 CUP D53D23017810001

Title: Shaping urban and rural contexts for healthier lives: environment as a key driver for promoting health.

Description: The selected candidate will join a research group composed of professors from the University of Genoa and Brescia as part of a PRIN PNRR project. The project aims to develop a dashboard to monitor the health status of the population and its environmental determinants at a sub-urban level. In particular, the project will be developed into different steps:

- predisposition of a database deriving from various sources (administrative data and ad hoc surveys)
- analysis of the environment-health-health services trade-off for different categories of subjects
- evaluation of the role that the family and the non-profit sector play in reducing barriers to access to healthcare;
- identification of long-term strategies that local governments and individuals can implement;
- graphic and interactive representation of the environment-health-healthcare relationship

Scientific disciplinary sector: SECS-P/03 SCIENZA DELLE FINANZE now ECON-03/A Scienza delle finanze

Place: Dipartimento di Economia

Required degree: Laurea V.O in: Economia e commercio, Economia Aziendale, Scienze Politiche. Laurea specialistica delle classi 64/S Scienze dell'Economia, 84/S Scienze economico-aziendali, 70/S Scienze della politica, 71/S Scienze delle pubbliche amministrazioni. Laurea magistrale delle classi LM-21 Ingegneria biomedica, LM-56 Scienze dell'Economia, LM-77 Scienze economico-aziendali, LM-63 Scienze delle pubbliche amministrazioni, LM-62 Scienze della politica.

Subjects of the interview: Health economics, economic policy, public economics, statistics and econometrics, with particular reference to the analysis of microdata and spatial data, big data analysis and data analysis software (Stata, R, Excel).

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

RESEARCH PROGRAM NO. 60

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 at 10:30** 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 **03.10.2024 at 10:30** 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 **03.10.2024 at 15:00** at Dipartimento di Economia– Darsena – presso lo studio I.1037, Primo Livello, Via Vivaldi n. 5, 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. Giovanni SATTA

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

Funding: National Centre for Sustainable Mobility (NC MOST) - PNRR Mission 4 Component 2, Investment 1.4 D.D. no. 1033 of 17.06.2022 registered by the Court of Auditors on 08.07.2022 no. 1827 CUP D33C22000940007

Title: Green Investments and technologies for sustainable maritime transport: decision making processes, strategies and evaluation tools for assessing the environmental, social and economic-financial performance.

Description: The maritime industry is presently facing growing issues concerning sustainability performance. To effectively navigate these mounting pressures, shipping enterprises must define strategic objectives while fundamentally reimagining core business processes and managerial methodologies across various functional domains, achieving a comprehensive redesign of their business model towards a green-oriented perspective. In this context, the research project aims to support activities related to WP6 “Economic impact and sustainability” and WP5 “Integration, demonstration and life cycle analysis” of the MOST project by establishing novel and multifaceted evaluation criteria designed to assess the financial, social, and environmental sustainability implications arising from green investments. The ultimate goal of the research project is to develop advanced tools and methodologies that enhance strategic decision-making processes concerning the adoption and implementation of new green technologies in maritime transportation and the measurement of related performance.

Scientific disciplinary sector: SECS-P/08 ECONOMIA E GESTIONE DELLE IMPRESE now ECON-07/A - Economia e gestione delle imprese

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

Required degree: Laurea magistrale della classe LM-77 Economia e Management Marittimo e Portuale-Scienze economico-aziendali

Subjects of the interview: Green Strategies and Investments for the Maritime Industry, Business Models and Green Business Models, Ways of Assessing the Environmental, Economic and Social Performance of Green Investments in the Industry.

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

RESEARCH PROGRAM NO. 61

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 at 12:00** 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 **03.10.2024 at 12:00** 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 **04.10.2024** 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. Fabrizio COTICCHIA

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

**Funding: PRIN 2022 - PNRR - Mission 4 Component 2 Investment 1.1 - Project Code Prot. 2022J9Z53N
D.D. no. 104 of 2.2.2022 - CUP D53D23022960006**

Title: Lessons learned? the past and future of italian defense policy.

Description: Since the end of the Cold War, Italian defense policy has been extremely active, providing troops in almost all the most relevant regional and international crises, from Iraq to the Balkans, from Afghanistan to Libya. Yet, the overall reflection on Italian defense – and its lessons (not) learned – remains limited, if not absent. This project aims to fill these gaps in the literature and in the Italian public debate, providing an innovative contribution by answering the following main research questions: What have been the main lessons learned from Italian MOA in the new century? In which circumstances and under what conditions may defense policies become contentious and divisive issues among Italian elites and their fellow citizens? How and to what extent do the interaction among domestic actors, international drivers and the operational contexts affect the defense policy decision-making process?

Scientific disciplinary sector: SPS/04 SCIENZA POLITICA now GSPS-02/A - Scienza politica

Place: Dipartimento di scienze politiche e internazionali (DiSPI)

Required degree: Laurea magistrale della classi LM-52 Relazioni internazionali, LM-62 Scienze della politica, LM/DS scienze strategiche.

Subjects of the interview: Candidate's CV and publications; How the candidate think he/she can contribute to the project; Motivations of the candidate.

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

RESEARCH PROGRAM NO. 62

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on **30.09.2024 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 **03.10.2024 at 16:00**. 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 **04.10.2024** starting from **15:00** 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. Marco DI GIULIO

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

Funding: PRIN 2022 PNRR – Code P2022YBXC5 - ERC: SH2_5

D.D. no. 1409 of 14.9.2022 CUP D53D23022520001

Title: Recasting the national interest in Europe. Institutions, politics and policies for the defense of critical infrastructures and supply chains.

Description: 'Sovereignty' is once again a crucial feature in both the academic and public debate, due to the crisis of the liberal international orders, but also – and increasingly – as a response to challenges coming from economic and technological domains, which are reshaping the way governments perceive international security threats and adjust related policies. In this context, the present project focuses on the politics and policy of the national interest in contemporary Europe. More specifically, our aim is to investigate the how international threats to the security of national assets are framed by policymakers and embodied into regulative responses in the domain of critical infrastructure and supply chains (CISC).

Scientific disciplinary sector: SPS/04 SCIENZA POLITICA now GSPS-02/A - Scienza politica

Place: Dipartimento di scienze politiche e internazionali (DiSPI)

Required degree: Laurea magistrale delle classi LM-62 Scienze della politica, LM-52 Relazioni internazionali, LM-63 Scienze delle pubbliche amministrazioni, LM-90 Studi Europei.

Subjects of the interview: Candidate's CV and publications; How the candidate think he/she can contribute to the project; Motivations of the candidate.

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

RESEARCH PROGRAM NO. 63

The Commission meets for the **preparation of the criteria for the evaluation of qualifications and the interview** on - **30.09.2024 at 15:00** 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 **03.10.2024 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 **04.10.2024** at **10:00** at Dipartimento di Scienze della Formazione (DISFOR) Stanza 3A5, C.so A. Podestà n. 2, 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. Ervis MARTANI

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

Funding: MSCA_0000003 - PNRR - M4C2 - Investment 1.2 'Funding of projects submitted by young researchers'.
D.D. no. 564 of 13.12.2022 registered by the Court of Auditors on 12.01.2023 no. 81
CUP D33C22001620001

Title: Private sponsorship of refugees in Italy, France and Germany.

Description: The private sponsorship of refugees is considered more effective and suitable than the government-assisted sponsorship program because it allows for smoother, faster, and better long-term integration of refugees. Given its success in Canada, country which adopted initially the program, it is being broadly championed as a best practice for the rest of the world. The project INSPIRE investigates in a comparative perspective the adequacy and the effectiveness of private sponsorship schemes for the integration of refugees implemented in Italy, France, and Germany. It aims to explore how these programs work, similarities, differences and to analyse their performance through a set of integration indicators, including education and language skills, labour market access and housing.

Scientific disciplinary sector: SPS/10 SOCIOLOGIA DELL'AMBIENTE E DEL TERRITORIO now GSPS-08/B Sociologia dell'ambiente e del territorio

Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree: Dottorato di ricerca in Scienze sociali, Scienze politiche, Giurisprudenza

Subjects of the interview: Policies for the integration of refugees; Private sponsorship programs in Italy, France, and Germany; Migration policies in Europe; Measuring integration; methodology, indicators and challenges; Knowledge of Italian language.

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