

SCIENTIFIC DISCIPLINARY AREA: MATHEMATICS AND INFORMATICS
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RESEARCH PROGRAM NO. 1

The assessment criteria for the qualifications and the interview will be affixed on **3.5.2017** at **9.00** in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) Via Dodecaneso, 35 - Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **3.5.2017** at **12.00** in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) Via Dodecaneso, 35 - Genova.

The interview will be held on **3.5.2017** at **14.00** in Dipartimento di Informatica, Bioingegneria, Robotica e Ingegneria dei Sistemi (DIBRIS) Via Dodecaneso, 35 - Genova.

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

Scientific coordinator: Prof. Filippo RICCA

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

Title: Design, implementation and testing of a SW infrastructure dedicated to the collection and management of data originating from portable/wearable electronic devices.

Description: Recently, the use of mobile wireless devices in e-Health has increased. The research program, in the context of the Software Engineering, is supported by a partnership with Actelion Pharmaceuticals Italy and it is aimed at designing, developing and testing a system dedicated to the collection / management of data originating from portable / wearable electronic devices. Required activities: analysis and specification of the requirements, analysis and design of the architecture (using UML and cloud-based services), prototypes development, interfacing with IoT e-Health devices, system testing (also through interactions with web/mobile interfaces thanks to tools such as Selenium), analysis of data from devices, and finally, realization of empirical studies to experimentally validate the proposed techniques.

Scientific disciplinary sector: INF/01 INFORMATICS

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

Required degree: Dottorato di ricerca in Informatica

Subjects of the interview: The interview is aimed at assessing the knowledge of the candidate with respect to the research themes. Thus, in particular, experiences and publications in the following fields: system requirements analysis and specification, distributed architectures, software testing. He/she will also be evaluated on the experiences in the application of the Empirical Software Engineering methods as well as on his/her motivation and attitude to research and to work both independently and in group.

SCIENTIFIC DISCIPLINARY AREA: PHYSICS
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RESEARCH PROGRAM NO. 2

The assessment criteria for the qualifications and the interview will be affixed on 5.5.2017 at 9.00 in Dipartimento di Fisica, Via Dodecaneso 33, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 5.5.2017 at 12.30 in Dipartimento di Fisica, Via Dodecaneso 33, Genova.

The interview will be held on 5.5.2017 at 14.00 in Dipartimento di Fisica, Via Dodecaneso 33, Genova.

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

Scientific coordinator: Prof. Mauro Gino TAIUTI

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

Title: Development of a fast cryogenic microcalorimeter for energies from 3 to 100 eV.

Description: The development of a fast cryogenic microcalorimeter sensitive in the region from 3 to 100 eV is proposed for Thorium-229 experiment. The recent measurements of Thorium-229 isomeric level have obtained an unexpectedly short decay time through internal conversion process of about 7 microseconds. Therefore, in order to disentangle the isomer decay signal from the primary decay, used to pump the excited level, it is mandatory to reduce the microcalorimeter's output signal length to <50 microseconds. This modification has to maintain microcalorimeter's good energy resolution of <1 eV. The project comprises the design and production of the fast microcalorimeter and the participation to measurements of Thorium-229 isomeric level.

Scientific disciplinary sector: FIS/04 NUCLEAR AND SUBNUCLEAR PHYSICS

Place: Dipartimento di Fisica (DIFI)

Required degree: Laurea Magistrale della classe LM-17 (Fisica)

Subjects of the interview: Knowledge of cryogenic microcalorimeters, knowledge of thin film deposition, knowledge of basic nuclear physics.

RESEARCH PROGRAM NO. 3

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.30 in Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV), Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.30 in Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV), Corso Europa 26, Genova.

The interview will be held on 3.5.2017 at 16.00 in Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV), Corso Europa 26, Genova.

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

Scientific coordinator: Prof. Marco FIRPO

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

Title: MAREGOT Project (MAnagement des Risques de l'Erosion cotière et actions de GOuvernance Transfrontalière) Italia – Francia Marittimo. Coastal risk erosion management and cross-border actions. Activity T2-3 –Rocky coast evolution.

Description: The management of rocky coastal erosion represents a crucial and relevant issue that requires the adoption of comprehensive solutions. The research fellow will be part of activities focused on the development of integrated methods suitable for the engineering geological analysis of steep rocky coasts to assess the rock failure susceptibility. The methodology will be based on the integration between multidisciplinary and multi-scaling survey systems and advanced techniques. The main purposes of the project are providing information and tools useful to evaluate the evolution patterns of rocky cliffs and supporting integrated coastal management and risk mitigation strategies.

Scientific disciplinary sector: GEO/04 PHYSICAL GEOGRAPHY AND GEOMORPHOLOGY

Place: Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV)

Required degree: Dottorato di ricerca in Scienze della Terra

Subjects of the interview: Survey methods and data acquisition aimed at the definition of geomorphological and geo-mechanical factors affecting steep rocky coasts stability.

RESEARCH PROGRAM NO. 4

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.30 in Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV), Corso Europa 26, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 12.30 in Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV), Corso Europa 26, Genova

The interview will be held on 2.5.2017 at 15.00 in Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV), Corso Europa 26, Genova

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

Scientific coordinator: Prof. Marco FERRARI

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

Title: MAREGOT Project (MANagement des Risques de l'Erosion cotière et actions de GOuvernance Transfrontalière). Coastal risk erosion management and cross-border actions. Activity T2 – T3 Coastal Risk Management.

Description: The coastal erosion, storm surge events and climate change effects (long terms), is phenomena that affects many parts of the coast, and often the coastal structures not able to prevent it. Moreover, Climate change, in detail Sea level rise, affect this events on long term, increasing beach erosion and flood event impact. The research fellow will be part of activities focused on the development and implement a forecasting model for the coastal risk analysis.

Scientific disciplinary sector: GEO/04 PHYSICAL GEOGRAPHY AND GEOMORPHOLOGY

Place: Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV)

Required degree: Dottorato di ricerca in Scienze della Terra

Subjects of the interview: Survey methods and data acquisition aimed at the definition of geomorphological and geo-mechanical factors affecting steep rocky coasts stability.

RESEARCH PROGRAM NO. 5

The assessment criteria for the qualifications and the interview will be affixed on 5.5.2017 at 9.30 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 5.5.2017 at 13.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The interview will be held on 5.5.2017 at 14.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

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

Scientific coordinator: Prof. Marco CAPELLO

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

Title: Integrated study of the Italian, French, UE, and the International legislation on the treatment and reuse of dredged port sediments (EU Project Interreg V-A Italy-France Marittimo 2014-2020 "Sediterra - Lignes Directrices pour le traitement durable des sédiments de dragage de l'aire Marittimo").

Description: Under the EU Interreg Project V Italy-France Maritime 2014 - 2020 "Sediterra - Lignes directrices pour le traitement des durable sédiments de dragage de l'aire Maritime" the knowledge of the Italian, French, UE, and the International legislation on the treatment and reuse of dredged port sediments is crucial. So it is necessary make an international survey on the "environmental" laws in synergy with other partners such ARPAL, ISPRA and VARs who have among their institutional responsibilities exactly the environmental protection without forgetting what would be the role of dredged sediments that, in the past, they were a problem but now are a reusable resource.

Scientific disciplinary sector: GEO/12 OCEANOGRAPHY AND PHYSICS OF THE ATMOSPHERE

Place: Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV)

Required degree: Laurea Magistrale della classe LM-75 Scienze e tecnologie per l'ambiente e il territorio

Subjects of the interview: Dredging and their environmental implications, Italian legislation on dredging, Planning a dredging

SCIENTIFIC DISCIPLINARY AREA: BIOLOGY
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RESEARCH PROGRAM NO. 6

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.30 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 13.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), Corso Europa 26, Genova.

The interview will be held on 3.5.2017 at 11.00 in Dipartimento di Scienze della Terra, dell'Ambiente e della Vita (DISTAV), library room, 7th floor, Corso Europa 26, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Loris Galli on the phone number +39 010 35338130 or via the email address: loris.galli@dipteris.unige.it.

Scientific coordinator: Prof. Loris GALLI

NO. 1 research fellowship - Duration: 2 years – Annual pre-tax amount: € 19.367.00

Title: Faunistic collaboration to the components 3, 5 and 6 of the ALIEM Project (INTERREG MARITIME).

Description: Support for the realization of the ALIEM project (Interreg Maritime) with particular regard to learn more about the Ligurian fauna aimed to: A) to collect and implement the data for cross-border platform related to invasive alien species (IAS), especially invertebrates, recorded and / or observed in Liguria and in other areas of the program "Interreg Maritime" eligible territory; B) to collaborate in dissemination activities of knowledge on IAS; C) to contribute to developing sustainable methods for monitoring and control / contrast vs *Vespa velutina* and *Cydalima perspectalis*.

Scientific disciplinary sector: BIO/05 ZOOLOGY

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

Required degree:

Laurea V.O. in Scienze Naturali

Laurea Specialistica della classe 68/S Scienze della Natura

Laurea Magistrale della classe LM-60 Scienze della Natura

Subjects of the interview: Entomology; IAS; Monitoring and Biological control.

RESEARCH PROGRAM NO. 7

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.30 in Laboratorio di Ecologia del Benthos, Polo Didattico San Martino, 1st floor, Viale Benedetto XV 5, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 12.30 in Laboratorio di Ecologia del Benthos, Polo Didattico San Martino, 1st floor, Viale Benedetto XV 5, Genova.

The interview will be held on 2.5.2017 at 14.00 in Laboratorio di Ecologia del Benthos, Polo Didattico San Martino, 1st floor, Viale Benedetto XV 5, Genova.

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

Scientific coordinator: Prof. Mariachiara CHIANTORE

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Controlled reproduction of *Patella ferruginea*.

Description: *Patella ferruginea*, an endemic gastropod mollusc from the Western Mediterranean, is one of the most endangered invertebrates of the entire basin and is included in the lists of protected species, besides being considered a target species for assessing good marine environmental status. This species, historically found along all Ligurian coasts, has presently disappeared due to indiscriminate collection. This project aims to restore the population of *P. ferruginea* within the three Ligurian Marine Protected Areas, where the causes of extinction have been eliminated and adequate protection is ensured, through introduction of juveniles obtained by controlled reproduction in the laboratory.

Scientific disciplinary sector: BIO/07 ECOLOGY

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

Required degree:

Laurea Specialistica della classe 82/S Scienze e tecnologie per l'ambiente e il territorio

Laurea Magistrale della classe LM-75 Scienze e tecnologie per l'ambiente e il territorio

Subjects of the interview: Reproduction techniques of marine invertebrates in a controlled environment; European Directives concerning protected species and Marine Strategy.

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

RESEARCH PROGRAM NO. 8

The assessment criteria for the qualifications and the interview will be affixed on 5.6.2017 at 10.00 in Dipartimento di Medicina Sperimentale (DIMES) – Fisiologia, Viale Benedetto XV 3, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 5.6.2017 at 15.00 in Dipartimento di Medicina Sperimentale (DIMES) – Fisiologia, Viale Benedetto XV 3, Genova.

The interview will be held on 6.6.2017 at 14.00 in Dipartimento di Medicina Sperimentale (DIMES) – Fisiologia, Viale Benedetto XV 3, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Fabio Benfenati on the phone number (+39) 010 3538189 or via the email address: afassio@unige.it.

Scientific coordinator: Prof. Fabio BENFENATI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Synaptic role of PRRT2 protein.

Description: The goal of the project is the clarification of the functional role of PRRT2 (PRoline-Rich Transmembrane protein 2), a gene causative for several parossistic disorder of infancy, in brain physiology and in the regulation of synaptic function. The study will be performed in murine model in which the expression of PRRT2 is constitutively or conditionally abrogated. Morphological and functional analysis will be performed to reveal synaptic abnormalities and impact of the pathogenic mutations in excitation/inhibition balance. Patophysiological role will be analyzed with the final aim of discovering novel therapeutic targets.

Scientific disciplinary sector: BIO/09 PHYSIOLOGY

Place: Dipartimento di Medicina Sperimentale (DIMES)

Required degree:

Laurea Magistrale della classe LM-9 Biotecnologie

Laurea Magistrale della classe LM-6 Biologia

Laurea Magistrale della classe LM-41 Medicina e chirurgia

Laurea Magistrale della classe LM-13 Farmacia e farmacia industriale

Subjects of the interview: Master Thesis, research experiences and laboratory skills.

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

RESEARCH PROGRAM NO. 9

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 10.00 in Dipartimento di Farmacia (DIFAR), Sezione di Farmacologia e Tossicologia, Viale Cembrano 4, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 14.00 in Dipartimento di Farmacia (DIFAR), Sezione di Farmacologia e Tossicologia, Viale Cembrano 4, Genova.

The interview will be held on 3.5.2017 at 15.00 in Dipartimento di Farmacia (DIFAR), Sezione di Farmacologia e Tossicologia, Viale Cembrano 4, Genova.

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

Scientific coordinator: Prof. Marco MILANESE

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Neuronal and non-neuronal cell contribution to ALS: an innovative way to hit upon a therapy.

Description: Amyotrophic lateral sclerosis (ALS) is a fatal neurodegenerative disorder due to a progressive loss of motoneurons (MNs). The pathogenesis of ALS it is still not clearly understood and the identification of effective therapies remains a significant challenge. Several in-vitro and in-vivo studies show that damage within MNs is sustained by pathologic degeneration occurring in non-neuronal neighboring cells, thus, understanding the specific role of all CNS cells involved in ALS promises to be crucial. The overall challenge of the project is to unveil the cell specific role of astrocytes, microglia and oligodendrocytes, with particular interest to the bioenergetic aspects of myelin and mitochondria and to the function of Group I metabotropic glutamate receptors in the etiopathogenesis of ALS.

It will be required curriculum proving experience related to the functional mechanisms that characterize the central nervous system and proven track record of the main biochemical techniques for the study of cellular bioenergetics and neurotransmission.

Scientific disciplinary sector: BIO/14 PHARMACOLOGY

Place: Dipartimento di Farmacia (DIFAR)

Required degree: Dottorato di ricerca in Farmacologia e Tossicologia, Neurochimica e Neurobiologia, Neuroscienze, Biochimica or equivalent.

Subjects of the interview: Dissection techniques of encephalic parts, preparation of primary cell cultures and purification techniques of neuronal and glial subcellular particles. Cellular and molecular pathways of neuro- and glio-transmission and regulation mechanisms. Bioenergetics aspects and related biochemical analysis, myelin functions in the central and peripheral nervous system. Purification of myelin from nerve tissues; molecular and functional analysis of the respiratory chain complexes for the production of mitochondrial and extra-mitochondrial energy. Cellular and molecular biology techniques (intracellular calcium assay, autophagy, protein misfolding and aggregation, endogenous neuro/gliotransmitter quantification, astrocyte activation pathways, quantification of cell damage and death). Immunofluorescence, immunohistochemical and flow cytometry analysis. Behavioral studies to assess the clinical progression of the disease in animal model of amyotrophic lateral sclerosis.

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

PROGRAMMA DI RICERCA N. 10

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.30 in Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.30 in Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova.

The interview will be held on 3.5.2017 at 14.30 in Dipartimento di Farmacia (DIFAR), Viale Cembrano 4, Genova.

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

Scientific coordinator: Prof. Paolo GIORDANI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Lichen secondary metabolites.

Description: Lichens are a complex symbiotic association between fungi and algae and represent model organisms in the study of the biology of symbiosis and the effects of the environment on sensitive organisms. As a result of the symbiotic association, the fungal partners produce specific secondary metabolites known as "lichen substances".

This research project will focus on different aspects of the biology of secondary metabolites in lichens. In particular: 1) The role of lichen substances in the mechanisms of bioaccumulation of trace elements; 2) The antioxidant action of lichen secondary metabolites in response to natural and anthropogenic environmental stresses; 3) The research of antimicrobials of natural origin, obtained from lichens, with the evaluation of the antimicrobial activity of pathogens that affect several sectors, such as health, nutrition, agriculture, cosmetics, the preservation of cultural heritage.

Scientific disciplinary sector: BIO/15 PHARMACEUTICAL BIOLOGY

Place: Dipartimento di Farmacia (DIFAR)

Required degree: Dottorato di ricerca in Scienze e tecnologie per l'ambiente e il territorio.

Subjects of the interview:

- Bases of the biology of lichen symbiosis;
- Methods for bioaccumulation of trace elements;
- Biological activity of lichen secondary metabolites.

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

SCIENTIFIC DISCIPLINARY AREA: MEDICINE

RESEARCH PROGRAM NO. 11

The assessment criteria for the qualifications and the interview will be affixed on 4.5.2017 at 9.30 in Dipartimento di Medicina Interna e specialità mediche (DIMI), Direzione/Amministrazione, 1st floor, Viale Benedetto XV 6, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 4.5.2017 at 12.30 in Dipartimento di Medicina Interna e specialità mediche (DIMI), Direzione/Amministrazione, 1st floor, Viale Benedetto XV 6, Genova.

The interview will be held on 4.5.2017 at 15.00 in Dipartimento di Medicina Interna e specialità mediche (DIMI), multimedia room, 1st floor, Avancorpo, Viale Benedetto XV 6, Genova.

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

Scientific coordinator: Prof. Michele CEA

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Investigating the functional and clinical relevance of RNA splicing dysregulation in multiple Myeloma.

Description: The process of RNA splicing has been known for some time as regulating gene function in normal cells, but only very recently has its dysregulation been implicated in cancer. Preliminary studies clearly demonstrate that RNA splicing provides a new mechanism for augmenting the transformed state in MM cells. Here we will examine the poorly-defined molecular and cellular mechanisms that drive RNA splicing on MM cells and our study will lay the groundwork for development of novel targeted therapeutic strategies in such a tumor. Overall the design of proposal maximizes both translational potential and the likelihood of high-yield discovery with a tremendous potential for high-impact advances also for other hematologic malignancies.

Scientific disciplinary sector: MED/15 BLOOD DISEASES

Place: Dipartimento di Medicina Interna e specialità mediche (DIMI)

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

Subjects of the interview: Genomic landscape and biology of Multiple Myeloma. Knowledge of basic molecular biology techniques such as DNA sequencing, mRNA extraction, reverse transcription to cDNA, Real-Time Quantitative PCR (RTQ-PCR) and other laboratory techniques.

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

RESEARCH PROGRAM NO. 12

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.00 in Dipartimento di Scienze della Salute (DISSAL), Clinica Malattie Infettive, IRCCS AOU San Martino-IST, Padiglione di Patologie Complesse, floor -1, Largo R. Benzi 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 12.00 in Dipartimento di Scienze della Salute (DISSAL), Clinica Malattie Infettive, IRCCS AOU San Martino-IST, Padiglione di Patologie Complesse, floor -1, Largo R. Benzi 10, Genova.

The interview will be held on 2.5.2017 at 13.00 in Dipartimento di Scienze della Salute (DISSAL), Clinica Malattie Infettive, IRCCS AOU San Martino-IST, Padiglione di Patologie Complesse, floor -1, Largo R. Benzi 10, Genova.

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

Scientific coordinator: Prof. Claudio VISCOLI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Improving the effectiveness of Antimicrobial Stewardship through the optimization of a monitoring system.

Description: The major aim of the present research is of favoring and coordinating a multidisciplinary approach to the use and optimization of a computerized system for monitoring antimicrobials' prescriptions, in order to improve the effectiveness of Antimicrobial Stewardship practices in reducing inappropriate antimicrobial use, length of antimicrobial therapy, and incidence of infections due to resistant organisms. Overall, a coordinated and dynamic multidisciplinary approach is expected to greatly improve, in terms of time and costs, the appropriateness of the use of antimicrobials in the everyday clinical practice. The research program will also include educational activities to improve the knowledge of the principles of Antimicrobial Stewardship among healthcare workers.

Scientific disciplinary sector: MED/17 INFECTIOUS DISEASES

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree:

Laurea V.O. in Chimica e Tecnologie Farmaceutiche o Chimica e tecnologia farmaceutiche

Laurea V.O. in Farmacia

Laurea Specialistica della classe 14/S Farmacia e farmacia industriale

Laurea Magistrale della classe LM-13 Farmacia e farmacia industriale

Subjects of the interview:

- Principles of Antibiotic Stewardship
- Objectives and outcome measures of Antimicrobial Stewardship interventions
- Different types of Antimicrobial Stewardship programs

RESEARCH PROGRAM NO. 13

The assessment criteria for the qualifications and the interview will be affixed on **2.5.2017** at **9.00** in Meeting room, Reparto di Chirurgia Vascolare ed Endovascolare, Monoblocco, 12th floor Lev., IRCCS San Martino - IST, L.go Rosanna Benzi 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **2.5.2017** at **12.00** in Meeting room, Reparto di Chirurgia Vascolare ed Endovascolare, Monoblocco, 12th floor Lev., IRCCS San Martino - IST, L.go Rosanna Benzi 10, Genova.

The interview will be held on **2.5.2017** at **14.30** in Meeting room, Reparto di Chirurgia Vascolare ed Endovascolare, Monoblocco, 12th floor Lev., IRCCS San Martino - IST, L.go Rosanna Benzi 10, Genova.

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

Scientific coordinator: Prof. Domenico PALOMBO

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

Title: Evaluation of bioactive molecules in the mechanism ischemia – reperfusion and in the process of atherogenic inflammation and their possible use in engineered bio re-absorbable implants.

Description: The study first aim is to evaluate the in vitro effects of molecules associated with endothelial dysfunction in order to identify new molecular targets that can be used for the development of new strategies with different molecules for the treatment and prevention of vascular diseases associated with endothelial dysfunction. Will be evaluated, and also object of this study will be the role of pleiotrophin and other "chemoattractants", delving into their possible use in the research program of engineered bioabsorbable implants. The effects of these and other bioactive molecules on endothelium induced oxidative stress will be explored, also in regard with mechanisms of ischemia - reperfusion. Another field of research of this study is the possible "targeting" of the studied antioxidants on atherosclerotic plaques.

Scientific disciplinary sector: MED/22 VASCULAR SURGERY

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

Required degree:

Laurea Magistrale della classe LM-6 Scienze Biologiche

Laurea Magistrale della classe LM-41 Medicina e Chirurgia

Laurea Magistrale della classe LM-9 Biotecnologie mediche, veterinarie e farmaceutiche

Laurea Magistrale della classe LM-13 Farmacia

Subjects of the interview:

- Molecules associated with endothelial dysfunction;
- Engineered bioabsorbable;
- Mechanism ischemia – reperfusion.

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

RESEARCH PROGRAM NO. 14

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.30 in IRCCS AOU San Martino – IST, Ambulatorio Neurofisiologia, Padiglione Specialità Fondi Ponente, Largo Benzi 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.30 in IRCCS AOU San Martino – IST, Ambulatorio Neurofisiologia, Padiglione Specialità Fondi Ponente, Largo Benzi 10, Genova.

The interview will be held on 3.5.2017 at 15.30 in IRCCS AOU San Martino – IST, Ambulatorio Neurofisiologia, Padiglione Specialità Fondi Ponente, Largo Benzi 10, Genova.

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

Scientific coordinator: Prof. Flavio Mariano NOBILI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Correlations between neuropsychological assessments and nigrostriatal function in patients with Parkinson's disease.

Description: The program is to carry out clinical neuropsychological assessments aimed at investigating the Mild Cognitive Impairment (MCI) in Parkinson's disease (PD). In recent years, the concept of MCI in the MP has become of extreme interest. Recent data reported that approximately 21% of patients with Parkinson's also have a feature dysexecutive MCI syndrome, or isolated memory impairment or in combination with other cognitive disorders.

This proposal is part of a study already in progress in our U.O. (Clinical Neurology) aimed at defining the best predictors of cognitive impairment between the clinical, neuropsychological and nigrostriatal function. The assessed candidate eligible to receive the allowance held solely for research collaboration tasks under the direct control of the scientific responsible.

Scientific disciplinary sector: MED/26 NEUROLOGY

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

Required degree: Post graduate school (specializzazione) in Clinical Psychology with adequate scientific production in the field of: clinical neuropsychology and differential diagnosis of dementias, Parkinson Disease (PD), physiological aging and depression. A good knowledge of functional central nervous system evaluation and SPECT/PET functional neuroimaging is also requested.

Subjects of the interview: Neuropsychology in dementias with a focus on cognitive assessment in Parkinson's disease; the differential diagnosis of different type of dementia; depression in the elderly; basic knowledge of functional neuroimaging investigations for the study of the nigrostriatal dopaminergic pathway.

RESEARCH PROGRAM NO. 15

The assessment criteria for the qualifications and the interview will be affixed on 28.4.2017 at 9.30 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-infantili (DINOEMI), Largo Paolo Daneo 3, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 28.4.2017 at 12.30 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-infantili (DINOEMI), Largo Paolo Daneo 3, Genova.

The interview will be held on 28.4.2017 at 15.30 in Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-infantili (DINOEMI), Largo Paolo Daneo 3, Genova.

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

Scientific coordinator: Prof. Antonio UCCELLI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Therapeutic targeting of REST activity and expression to reduce neurodegeneration and synaptic deficits in chronic EAE.

Description: The repressor element 1-silencing transcription factor (REST) controls a large cluster of genes regulating neurogenesis and essential for expression of neuronal phenotype and function. While, in health, REST is quiescent in mature neurons, dysregulation of REST and its repercussion on the expression of its target genes have been implicated in a number of neurodegenerative disorders. In a pilot study, we have found that REST is significantly overexpressed in the spinal cord of mice with experimental autoimmune encephalomyelitis (EAE), suggesting that dysregulation of REST might be an important factor in this disease and a promising target to interfere with neuronal fate during neurodegeneration.

Scientific disciplinary sector: MED/26 NEUROLOGY

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

Required degree: Laurea Magistrale della classe LM-6 Biologia

Subjects of the interview:

1. Histochemical techniques (typical histology staining for cell identification, tissue damage etc.), immunohistochemistry (immunofluorescence) of ex vivo biological tissues and in vitro cell cultures.
2. Imaging methods for fine ultrastructural analysis of tissues and cells using optical microscopy and transmission electron microscopy, including immune-gold labeling and detection for precise antigen localization.

RESEARCH PROGRAM NO. 16

The assessment criteria for the qualifications and the interview will be affixed on 28.4.2017 at 8.30 in Clinica Dermatologica IRCCS AOU San Martino-IST, Pad. 29, Largo Rosanna Benzi 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 28.4.2017 at 12.00 in Clinica Dermatologica IRCCS AOU San Martino-IST, Pad. 29, Largo Rosanna Benzi 10, Genova.

The interview will be held on 28.4.2017 at 14.00 in Clinica Dermatologica IRCCS AOU San Martino-IST, Pad. 29, Largo Rosanna Benzi 10, Genova.

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

Scientific coordinator: Prof. Aurora PARODI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Epidemiology of Leprosy, study on the incidence of pauci and multibacillary forms. Study on the antibiotic resistance in patients who are not responsive to OMS therapy.

Description: Leprosy is a rare disease in our countries, but in the last years, in the centers where they treat the disease (4 centers for the clinical follow up and only the center of Genoa for laboratory investigations) the number of patients with the disease is increasing. The aim of our study is to evaluate the epidemiology, to study the pauci and multibacillary forms and to study the cases who are resistant to OMS antibiotic therapy. Some patients did not show a negativity of nasal smear and skin smears in the usual time. These patients show, when tested, a resistance to OMS therapy. The use of different drugs can completely cure them.

Scientific disciplinary sector: MED/35 DERMATOLOGICAL AND VENEROLOGICAL DISEASES

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree: Post graduate school (specializzazione) in Clinical Pathology and adequate scientific publications on leprosy and /or oral presentations in congresses on the same subject

Subjects of the interview: Microbiology of *Mycobacterium leprae*, Molecular biology tests, Hystological stainings.

RESEARCH PROGRAM NO. 17

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.00 in IRCCS San Martino–IST, Padiglione Sommariva, Largo R. Benzi, 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.00 in IRCCS San Martino–IST, Padiglione Sommariva, Largo R. Benzi, 10, Genova.

The interview will be held on 3.5.2017 at 14.00 in IRCCS San Martino–IST, Padiglione Sommariva, Meeting room, 1st floor, Largo R. Benzi, 10, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Gianmario Sambuceti on the phone number +39 010 555 20264811 or via the email address: Sambuceti@unige.it.

Scientific coordinator: Prof. Gianmario SAMBUCETI

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: SCM-ALS - Spinal cord metabolism in Amyotrophic Lateral Sclerosis.

Description: Funding will support the participation to the project “SCM-ALS - *Spinal cord metabolism in Amyotrophic Lateral Sclerosis*”. This program aims to characterize the effects of amyotrophic lateral sclerosis on several functions of the spinal cord, mostly on the metabolism of tissues included within the spinal canal. This task will be pursued by a computational approach to PET/CT imaging and will thus ask for specific skills in nuclear medicine as well as in the Neuroimaging in degenerative disorders. These competences are considered prerequisites to correlate imaging data with clinical indexes of disease localization and aggressiveness.

Scientific disciplinary sector: MED/36 DIAGNOSTIC IMAGING AND RADIOTHERAPY

Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree:

Laurea V.O. in Medicina e Chirurgia

Laurea Specialistica della classe 46/S Medicina e Chirurgia

Laurea Magistrale della classe LM-41 in Medicina e Chirurgia

Subjects of the interview: Use of fluoro-deoxyglucose in neuroimaging; Computational image analysis; pathophysiology of amyotrophic lateral sclerosis, principles of PET/CT imaging.

RESEARCH PROGRAM NO. 18

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.30 in Ospedale San Martino-IST, Clinica Ostetrica e Ginecologica, Padiglione 1, Largo Rosanna Benzi 10, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 12.30 in Ospedale San Martino-IST, Clinica Ostetrica e Ginecologica, Padiglione 1, Largo Rosanna Benzi 10, Genova.

The interview will be held on 2.5.2017 at 13.00 in Ospedale San Martino-IST, Clinica Ostetrica e Ginecologica, Padiglione 1, Largo Rosanna Benzi 10, Genova.

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

Scientific coordinator: Prof. Simone FERRERO

NO.1 research fellowship - Duration: 1 year – Annual pre-tax amount: € 19.367.00

Title: Biochemical screening for preeclampsia in pregnant women with endometriosis: a case-control study.

Description: It is widely accepted that angiogenesis is pivotal to the establishment of endometriosis lesions and fundamental in the regulation placental development starting from the early stages of pregnancy. Circulating VEGF and PLGF levels have been reported to be increased in women with endometriosis when compared with controls, conversely in pregnant women developing preeclampsia it has been reported a reduction of PLGF levels and an increase of s-Flit-1 concentrations. For this reason, the presence of endometriosis should be considered a protective factor in developing preeclampsia during pregnancy, since the increased level of PLGF in these patients should promote placental development.

The main aim of this project is to assess the serum concentrations of these angiogenic factors and the predictive value of the screening for preeclampsia by PLGF and s-Flit-1 concentrations in pregnant women with endometriosis compared to those without endometriosis.

Scientific disciplinary sector: MED/40 OBSTETRICS AND GYNAECOLOGY

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

Required degree:

Post graduate school (specializzazione) in Obstetrics and Gynaecology. The candidate should present adequate scientific publications in the following topics:

- endometriosis
- prenatal diagnosis
- management of high risk pregnancy.

Subjects of the interview:

- Endometriosis
- Ultrasound management of high risk pregnancy
- Preeclampsia

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

SCIENTIFIC DISCIPLINARY AREA: CIVIL ENGINEERING AND ARCHITECTURE

RESEARCH PROGRAM NO. 19

The assessment criteria for the qualifications and the interview will be affixed on **3.5.2017** at **9.30** in Dipartimento di Architettura e Design (DAD), Stradone Sant'Agostino 37, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **3.5.2017** at **12.30** in Dipartimento di Architettura e Design (DAD), Stradone Sant'Agostino 37, Genova.

The interview will be held on **3.5.2017** at **15.00** in Dipartimento di Architettura e Design (DAD), Stradone Sant'Agostino 37, Genova.

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

Scientific coordinator: Prof. Raffaella FAGNONI

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

Title: Observatory on Service Design for the Circular Economy.

Description: The research aims to study and define a mapping of services in the local area and a survey on the relationships between services, social innovation, bottom-up practices and sharing-economy for the enhancement of the territory.

This analysis as part of Service Design enables us to interpret the key trends, evaluating potentialities and criticalities. All this in order to anticipate possible issues, where to deepen the research and make experiments, in particular on issues related to recycling and reuse. The aim of the research will be to outline scenarios, develop tools, processes and expertise capable of responding to the needs of contemporary life and make the system available resources.

Scientific disciplinary sector: ICAR/13 DESIGN

Place: Dipartimento di Architettura e Design (DAD)

Required degree: Dottorato di ricerca in Design

Subjects of the interview: The interview will focus on the analysis of issues relevant to the research topic, with insights regarding the reuse and recycling practices, circular economy and new experiences and trends in the field of Service Design.

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

RESEARCH PROGRAM NO. 20

The assessment criteria for the qualifications and the interview will be affixed on 4.5.2017 at 10.30 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via all'Opera Pia 15/A, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 4.5.2017 at 13.30 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via all'Opera Pia 15/A, Genova.

The interview will be held on 4.5.2017 at 14.00 in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), Via all'Opera Pia 15/A, Genova.

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

Scientific coordinator: Prof. Francesca PIRLONE

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

Title: Definition of a transnational (IT-FR) accelerator for start-ups to valorise the territory and the enterprises in the green and blue fields - Project MARITTIMOTECH.

Description: The research aims at realizing an accelerator for start-ups to support the enterprises in the green (sustainable tourism, renewable energy) and blue (yachting, biotechnology) fields and to valorise the transnational territory between Italy and France. This research foresees a first study phase to deep analyse the current entrepreneurial system (with a focus on start-up companies) in the territory in question (with a focus on the Liguria region and the Municipality of Genoa) and an international investigation of successful start-up companies. The second phase consist of the realization of a virtual and physical Italian-French accelerator for start-ups working in the green and blue fields.

Scientific disciplinary sector: ICAR/20 URBAN AND REGIONAL PLANNING

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

Required degree: Laurea Specialistica della classe 4/S Architettura e ingegneria edile

Subjects of the interview: Community programming, sustainability, land planning, land management.

The candidate will need to prove his/her knowledge of the French and English language (level B2).

SCIENTIFIC DISCIPLINARY AREA: INDUSTRIAL AND INFORMATION ENGINEERING

RESEARCH PROGRAM NO. 21

The assessment criteria for the qualifications and the interview will be affixed on **2.5.2017** at **9.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Montallegro 1, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **2.5.2017** at **13.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Montallegro 1, Genova

The interview will be held on **2.5.2017** at **15.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Montallegro 1, Genova.

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

Scientific coordinator: Prof. Dario BRUZZONE

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

Title: Development of procedures for the simulation of a ship manoeuvring in waves.

Description: Aim of the present work is the development of techniques for the simulation of ship manoeuvrability in waves, allowing to overcome the limitations of the usual decoupled approaches (manoeuvrability in calm water, seakeeping in rectilinear motion). One of the main objectives will be the search for a compromise between calculation efficiency (in order to limit simulation time) and the quality of results. To this aim, the opportunity of using pre-processing calculations (with different codes available at DITEN, including strip theory, BEM and RANS) will be considered. The main activities will be: literature search, development of methodologies, validation comparing with experimental data from literature.

Scientific disciplinary sector: ING-IND/01 NAVAL ARCHITECTURE

Place: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)

Required degree:

Laurea V.O. in Ingegneria Navale

Laurea Specialistica della classe 37/S Ingegneria navale

Laurea Magistrale della classe LM-34 Ingegneria navale

Subjects of the interview: Seakeeping and codes for the prediction of ship motion in rough sea, ship manoeuvrability and codes for the simulation of manoeuvres, Specific knowledge of Matlab / Simulink, Fortran or other suitable languages.

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

RESEARCH PROGRAM NO. 22

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Montallegro 1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Montallegro 1, Genova

The interview will be held on 3.5.2017 at 12.30 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Montallegro 1, Genova

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

Scientific coordinator: Prof. Carlo CRAVERO

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

Title: Development of numerical models for the analysis of twin-scroll volutes.

Description: The research activity is aimed at the fluid-dynamics analysis of radial turbines equipped with twin-entry volutes and at the development of suitable numerical models for the prediction of their performance. The analysis will be performed with the systematic application of CFD techniques to radial turbine models with twin scroll volute; special attention will be focused on partial and unequal admission operating conditions. These conditions are particularly interesting because of their complex interaction with the rotor fluid dynamic behaviour and therefore with the turbine overall performance. The above research aspects are of strong interest for the research community and few or incomplete information are available in the open literature, frequently due to industrial secrecy constraints.

Scientific disciplinary sector: ING-IND/08 FLUID MACHINERY

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree:

Laurea Specialistica della classe 36/S Ingegneria meccanica
Laurea Magistrale della classe LM-33 Ingegneria meccanica

Subjects of the interview: Radial turbines, computational fluid dynamics.

RESEARCH PROGRAM NO. 23

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 11.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Montallegro 1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 15.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Montallegro 1, Genova

The interview will be held on 3.5.2017 at 15.30 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Montallegro 1, Genova

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

Scientific coordinator: Prof. Carlo CRAVERO

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

Title: Numerical models for glass production plants.

Description: In glass production process, several thermo-fluid-dynamic related issues exist. CFD could become a valuable support for designers in a field where experimentation and online modifications are very difficult by nature of glass manufacturing industry.

The fellowship aims to set up, and to validate through experimental data, CFD models for the development of NOx reduction systems based on exhaust gas recirculation strategies. The CFD models will be developed for both the regenerative systems and the piping required. The design optimization of the gas recirculation system for a given configuration will be also an important issue of the research activity.

Scientific disciplinary sector: ING-IND/08 FLUID MACHINERY

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree:

Laurea V.O. in Ingegneria Meccanica

Laurea Specialistica della classe 36/S Ingegneria meccanica

Laurea Magistrale della classe LM-33 Ingegneria meccanica

Subjects of the interview: Fluid dynamics and heat transfer, computational fluid dynamics, glass production plants.

RESEARCH PROGRAM NO. 24

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 11.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Sezione MASET, Via Montallegro 1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 14.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Sezione MASET, Via Montallegro 1, Genova

The interview will be held on 3.5.2017 at 17.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Sezione MASET, Via Montallegro 1, Genova

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

Scientific coordinator: Prof. Marina UBALDI

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

Title: Analysis and design of axial turbines.

Description: Development of analysis and design methods for axial turbomachinery. Study of the state of art on the phenomenological and numerical problems of high speed flow in axial turbines. Numerical simulations and performance analysis of high inlet Mach number turbine blade cascades.

Scientific disciplinary sector: ING-IND/08 FLUID MACHINERY

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree: Dottorato di ricerca in Ingegneria delle macchine a fluido

Subjects of the interview: Design methods for axial turbomachines; viscous flow in turbomachinery rotors; transonic and supersonic flow in blade cascades.

RESEARCH PROGRAM NO. 25

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 13.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

The interview will be held on 2.5.2017 at 14.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

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

Scientific coordinator: Prof. Luigi CARASSALE

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

Title: Research and development of a mixing system with biogas injectors for digesters of organic suspension from waste.

Description: Anaerobic digestion is a biological process by which, in the absence of oxygen, the organic substance is degraded, this way allowing the recovery of energy (by means of biogas) and material recovery (through the use of the digestive from which quality compost are produced) . The purpose of this research is focused on the technology to achieve the anaerobic digestion of the organic fraction of urban waste. The aim of this project is to develop a lance stirring system for digesters organic waste suspension by blowing compressed biogas.

As the proponent company does not currently produce biogas digesters agitation lance systems, this can be considered a radical innovation project. The complete program requires different phases such as analysis, research, study, translation of new concepts and ideation to define the system in its generality before being able to proceed to its design and industrialization.

Scientific disciplinary sector: ING-IND/13 APPLIED MECHANICS

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree: Dottorato di ricerca in Ingegneria navale o Ingegneria meccanica

Subjects of the interview: mechanics apply mechanics, structural dynamics, fluid-structure interaction.

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

RESEARCH PROGRAM NO. 26

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 8.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 11.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

The interview will be held on 2.5.2017 at 14.00 in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Agostino Bruzzone on the phone numbers +39 320 7982138 - +39 019 21945251 or via the email address: agostino@itim.unige.it.

Scientific coordinator: Prof. Agostino BRUZZONE

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

Title: Complex Systems Modeling&Simulation.

Description: The research activities is devoted to investigate the use of models, simulators and new methodologies for addressing Complex Systems. This activity will include research activities focused on M&S Techniques and Methodologies for Complex Systems projects. The modeling will include also Experimental Activities for supporting: early stage design, development of architectures, creation of models of complex systems. Therefore, added value of the present research is the capability to demonstrate feasibility of the interoperable solutions applied to complex systems.

Scientific disciplinary sector: ING-IND/17 INDUSTRIAL MECHANICAL PLANTS

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree:

Laurea Magistrale delle classi: LM-4 Architettura e ingegneria edile-architettura; LM-20 Ingegneria aerospaziale e astronautica; LM-21 Ingegneria biomedica; LM-22 Ingegneria chimica; LM-23 Ingegneria civile; LM-24 Ingegneria dei sistemi edilizi; 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; LM-34 Ingegneria navale; LM-35 Ingegneria per l'ambiente e il territorio; LM-53 Scienza e ingegneria dei materiali.

Subjects of the interview: M&S Techniques and Methodologies, Verification Validation and Accreditation, Interoperable simulation for Complex Systems.

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

RESEARCH PROGRAM NO. 27

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9.30 in Campus di Savona, Via Magliotto 2, 1st floor, Palazzo Delfino, Ufficio Prof.ri Mosca e Cassettari, Savona.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 12.30 in Campus di Savona, Via Magliotto 2, 1st floor, Palazzo Delfino, Ufficio Prof.ri Mosca e Cassettari, Savona.

The interview will be held on 2.5.2017 at 15.30 in Campus di Savona, Via Magliotto 2, 1st floor, Palazzo Delfino, Ufficio Prof.ri Mosca e Cassettari, Savona.

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

Scientific coordinator: Prof. Lucia CASSETTARI

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

Title: Search, conceptualization and development of an advanced system of balanced scorecards for the monitoring of business performances.

Description: The research will be focused on the study, development and implementation of an advanced system of Balanced Scorecard for monitoring of Corporate performances. The aim of the study will be the development of an innovative model of Balanced Scorecard to improve the process of planning, control and support of the Company's strategic management. The model will allow real-time monitoring of staff performance and profitability, so making possible to act promptly on decision-making process whenever any deviations from expected performance occur. This will be possible articulating business strategies in specific KPIs (both economic-financial and operational) integrated into a self-consolidating reporting system, thus enabling the Company to become a competitive Player on the market.

Scientific disciplinary sector: ING-IND/17 INDUSTRIAL MECHANICAL PLANTS

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree: Laurea Magistrale della classe LM-31 Ingegneria gestionale

Subjects of the interview: Quantitative techniques to support the Management Control; Operations Management; Principles of experimental statistics.

RESEARCH PROGRAM NO. 28

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.30 in Campus di Savona, Via Magliotto 2, 1st floor, Palazzo Delfino, Ufficio Prof.ri Mosca e Cassettari, Savona.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.30 in Campus di Savona, Via Magliotto 2, 1st floor, Palazzo Delfino, Ufficio Prof.ri Mosca e Cassettari, Savona.

The interview will be held on 3.5.2017 at 15.30 in Campus di Savona, Via Magliotto 2, 1st floor, Palazzo Delfino, Ufficio Prof.ri Mosca e Cassettari, Savona.

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

Scientific coordinator: Prof. Lucia CASSETTARI

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

Title: Research and development of innovative simulation models for the improvement of logistics and productive processes.

Description: The research fellowship will be centered on the research and development of innovative DES simulation models, for the efficiency of logistics and production processes. The goal will be to implement engineering tools in contexts where, currently, operators are performing under the efficiency standards. This will be achieved by conducting a rigorous selection process of quantitative and appropriate methodologies. The aim is to develop tools that allow to evaluate and predict the behavior of dynamic systems subsequent to the imposition of certain conditions, therefore providing decision support tools for the company's management.

Scientific disciplinary sector: ING-IND/17 INDUSTRIAL MECHANICAL PLANTS

Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree: Laurea Magistrale della classe LM-31 Ingegneria gestionale

Subjects of the interview: DES simulation techniques; Principles of experimental statistics; DoE and RSM techniques.

RESEARCH PROGRAM NO. 29

The assessment criteria for the qualifications and the interview will be affixed on **2.5.2017** at **12.15** in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), edificio Ing. Chimica, Via Opera Pia 15, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **2.5.2017** at **15.15** in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), edificio Ing. Chimica, Via Opera Pia 15, Genova.

The interview will be held on **2.5.2017** at **15.30** in Dipartimento di Ingegneria Civile, Chimica e Ambientale (DICCA), edificio Ing. Chimica, Via Opera Pia 15, Genova.

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

Scientific coordinator: Prof. Paola COSTAMAGNA

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

Title: Experimental study of the treatment of black and gray water by microfiltration, ultrafiltration and reverse osmosis.

Description: Subject of the proposed research is an innovative plant for the treatment of gray and black water for naval applications, based on the coupling of a preliminary filtration unit with an ultrafiltration unit (UF) and with a reverse osmosis unit (RO). The results of a preliminary experimental campaign carried out at the company EXXRO Srl were excellent. The testing phase has yet to be completed, and in parallel has to be resolved the issue of clogging of the UF module. This matter will be the subject of the research funded by this grant. More generally, the purpose of the work will be the detailed design of the described plant and the experimental test. The tests will be conducted at EXXRO, or at other companies / entities in which the plants could be installed.

Scientific disciplinary sector: ING-IND/25 Chemical plants

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

Required degree: Laurea Magistrale della classe LM-22 Ingegneria chimica

Subjects of the interview: Separation processes (in general). Membrane separation processes: microfiltration, ultrafiltration and reverse osmosis. Types of membranes. Rejection, and its dependence on the operating conditions and the chemical nature of the liquid to be treated.

RESEARCH PROGRAM NO. 30

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 9.30 in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Opera Pia 11 A, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 12.30 in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Opera Pia 11 A, Genova.

The interview will be held on 3.5.2017 at 14.30 in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Opera Pia 11 A, Genova.

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

Scientific coordinator: Prof. Federico SILVESTRO

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

Title: Intregrated systems for distributed generation for on board and land Microgrids.

Description: The subject of the research concerns the analysis of technologies for generation and storage systems and for load control systems in land and on board microgrids. Innovative technologies like fuel cells will be considered as well as storage systems capable of optimizing the integrated management of generation and loads in on board and land electrical systems. The overall model of these systems will be realized with the scope of studying the static and dynamic behavior of the electrical system and validating its design.

Scientific disciplinary sector: ING-IND/33 ELECTRICAL POWER SYSTEMS

Place: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN)

Required degree:

Laurea Magistrale della classe LM-28 Ingegneria Elettrica

Laurea Magistrale della classe LM-34 Ingegneria Navale

Subjects of the interview:

Methodological aspects for the modeling of electrical systems. Sw tools for developing electrical system simulation and control algorithms. Modeling of generation systems for electric systems. Fundamentals of control systems.

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

RESEARCH PROGRAM NO. 31

The assessment criteria for the qualifications and the interview will be affixed on **2.5.2017** at **17.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Opera Pia 11 A, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **3.5.2017** at **11.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Opera Pia 11 A, Genova.

The interview will be held on **3.5.2017** at **14.30** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN), Via Opera Pia 11 A, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Rodolfo Zunino on the phone number +39 010 3532269 or via the email address: rodolfo.zunino@unige.it.

Scientific coordinator: Prof. Rodolfo ZUNINO

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

Title: Embedded electronic systems for magnetometry.

Description: The research activity addresses the design and development of embedded electronic systems that should support the protection of critical infrastructures. The overall framework should suitably process the signals provided by a network of magnetic field sensors, which indeed must be recorded and stored in a central unit. The goals are: 1) to provide the framework with intelligent algorithms that can detect in real-time the presence of potential threats, and 2) to implement cryptographic protocols that can robustly protect the overall communication systems. Within this context, the activities will focus on the development of efficient solutions to implement such tools on custom embedded platforms.

Scientific disciplinary sector: ING-INF/01 ELECTRONICS

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: Embedded electronic systems; magnetic field sensors; signal conditioning; protection of critical infrastructures; cryptography.

RESEARCH PROGRAM NO. 32

The assessment criteria for the qualifications and the interview will be affixed on 5.5.2017 at 9.00 in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Villa Bonino, Viale Causa 13, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 5.5.2017 at 12.00 in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Villa Bonino, Viale Causa 13, Genova.

The interview will be held on 5.5.2017 at 14.00 in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Villa Bonino, Viale Causa 13, Genova.

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

Scientific coordinator: Prof. Gianni VERCELLI

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

Title: Study of algorithms and software solutions of Facial/Motion/Performance Capture/Animation Live for immersive systems and platforms based on virtual/augmented/mixed reality.

Description: The objective of the research is the study of the state of art of algorithms and software solutions of Facial/Motion/Performance Capture and Animation that work in Live mode, in order to identify and/or design an efficient solution for immersive systems and platforms based on VR/AR/MR. We will study the algorithms and related software solutions that enable synchronous face+body+aural capture and integration into production workflow of systems/platforms for VR gaming and immersive experience. The integration of these techniques, finally, will point to optimization of the solutions for use in Live Action mode.

Scientific disciplinary sector: ING-INF/05 INFORMATION PROCESSING SYSTEMS

Place: Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:

Laurea Specialistica della classe 100/S Tecniche e metodi per la società dell'informazione

Laurea Specialistica della classe 101/S Teoria della comunicazione

Subjects of the interview: 3D modeling and animation technologies, rigging, 3D / 360 ° immersive video, MoCap / FaceCap / PerfCap, Face Rigging / Animation.

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

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

RESEARCH PROGRAM NO. 33

The assessment criteria for the qualifications and the interview will be affixed on 28.4.2017 at 9:00 in Dipartimento di Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 3rd floor, Via Balbi 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 28.4.2017 at 13:00 in Dipartimento di Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 3rd floor, Via Balbi 2, Genova.

The interview will be held on 28.4.2017 at 16:00 in Dipartimento di Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), 3rd floor, Via Balbi 2, Genova.

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

Scientific coordinator: Prof. Giovanni MENNELLA

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

Title: The ‘tabulae patronatus’ of the Roman Occident: the Documentation and the Institutional Comparisons between the Provincial Identities.

Description: The research, that is already in advanced progress, sets to complete and edit the study “Le tavole di patronato dell’Occidente romano”, that collect in one epigraphic ‘corpus’ the bronze ‘tabulae’ concerning the award of the individual patronage honor on the initiative of civic communities of Roman west, from I B.C. to V A.D.

The starting up of the fellowship views to study in depth the institutional comparisons between civic and collegial patronage, in order to realize the catalogue edition. This is the first partial result of a more wide international project, that from 2003 systematically researches the epigraphic monuments about ‘hospitium’ and ‘patronatus’ in the roman west.

Scientific disciplinary sector: L-ANT/03 ROMAN HISTORY

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

Required degree: Dottorato di ricerca in Storia Antica

Subjects of the interview: EDR, EDH, EDCS (query the epigraphic electronic data bases). The civic and the collegial patronage. The institution of the patronage in the epigraphic documentation. ‘Tabulae hospitales et patronatus’. Kinds of honor in the private ambit.

RESEARCH PROGRAM NO. 34

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 9:00 in Dipartimento di Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 12:00 in Dipartimento di Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, Genova.

The interview will be held on 2.5.2017 at 15:00 in Dipartimento di Romanistica, Antichistica, Arti e Spettacolo (DIRAAS), Via Balbi 2, Genova.

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

Scientific coordinator: Prof. Livia CAVAGLIERI

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

Title: Oral Sources and Archives for Theatre Historiography in the second half of the twentieth century.

Description: The research experiments interaction between the sources traditionally used for the history of theatre and the methods and tools of the oral history. The project has first methodological aims: verification of the protocols used for creation, preservation, cataloguing and sharing of oral sources for theatre, within the European space (in particular: the examples of the British Library and the Victoria & Albert Museum). Secondly the project aims at studying in depth the case study of Teatro Stabile di Genova: participation to the reorganisation of the theatre archive, creation of new oral sources and their interpretation, in order to identify the rhetoric of the narrations and the adoption of points of views.

Scientific disciplinary sector: L-ART/05 PERFORMING ARTS

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

Required degree: Dottorato di ricerca nell'ambito della storia del teatro o dell'italianistica.

Subjects of the interview: Publications in the fields of Dramaturgy and History of theatre with particular regards to the relation text/scene.

RESEARCH PROGRAM NO. 35

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 10:00 in Dipartimento di Lingue e Culture Moderne (DLCM), Piazza S. Sabina 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 2.5.2017 at 15:00 in Dipartimento di Lingue e Culture Moderne (DLCM), Piazza S. Sabina 2, Genova.

The interview will be held on 3.5.2017 at 10:00 in Dipartimento di Lingue e Culture Moderne (DLCM), Piazza S. Sabina 2, Genova.

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

Scientific coordinator: Prof. Michele PRANDI

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

Title: Design of a metaphor annotation procedure.

Description: The aim of this project is to develop a procedure for the manual annotation of metaphors in texts. While existing works are usually conducted within the conceptual metaphor theory and focus on single words (e.g. the MIPVU procedure), the perspective adopted here is more comprehensive. Based on the model proposed in Prandi 2017 (Conceptual Conflicts, Routledge), it will take into account a wider range of types of metaphors (not only the expression of conceptual metaphors) and linguistic structures (not only words). The task of defining explicitly the annotation guidelines will allow both to test the theoretical model against data and to lay the foundations for the creation of a resource consisting of coherently annotated texts.

Scientific disciplinary sector: L-LIN/01 GLOTTOLGY AND LINGUISTICS

Place: Dipartimento di Lingue e Culture Moderne (DLCM)

Required degree: Dottorato di ricerca in Linguistica

Subjects of the interview: Structural typology of metaphors in view of annotation. Discussion of the state of the art.

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

**SCIENTIFIC DISCIPLINARY AREA: HISTORY, PHILOSOPHY, PEDAGOGY AND
PSYCHOLOGY**

RESEARCH PROGRAM NO. 36

The assessment criteria for the qualifications and the interview will be affixed on 4.5.2017 at 13:00 in Dipartimento di Scienze della Formazione (DISFOR), Corso A. Podestà 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 5.5.2017 at 10:00 in Dipartimento di Scienze della Formazione (DISFOR), Corso A. Podestà 2, Genova.

The interview will be held on 5.5.2017 at 10:30 in Dipartimento di Scienze della Formazione (DISFOR), Corso A. Podestà 2, Genova.

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Antonella Primi on the phone number (+39) 010 20953603 or via the email address: primi@unige.it.

Scientific coordinator: Prof. Antonella PRIMI

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

Title: Perception and mitigation of hydrogeological risk: a multidisciplinary reading.

Description: The research analyzes the relationship between the territorial dimension (Val Bisagno - Genoa), public narrative and perception of hydrogeological risk and its conditions by local actors and the response of social systems at risk. The analysis will compare the planning instruments and official thematic maps (also historical maps), the "popular cartography" and the cartography available as a web service. Moreover, a study of keywords on social networks in proximity of alert and event will be carried on. In parallel, a public participation process (PPGIS) will be activated, involving institutions, agencies, population and local stakeholders. Finally, a WebGIS environment will be set up to gather the collected data and the results produced by the multi-disciplinary research.

Scientific disciplinary sector: M-GGR/01 GEOGRAPHY

Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree:

Laurea Specialistica delle classi: 97/S Storia medievale; 4/S Architettura e ingegneria edile; 38/S Ingegneria per l'ambiente e il territorio; 54/S Pianificazione territoriale urbanistica e ambientale.

Laurea Magistrale delle classi: LM-84 Scienze storiche; LM-4 Architettura e ingegneria edile-architettura; LM-35 Ingegneria per l'ambiente e il territorio; LM-48 Pianificazione territoriale urbanistica e ambientale.

Subjects of the interview: GIS tools for the collection, analysis and representation of territorial and geo-historical data; data standardization, metadating, data sharing (OpenData); analysis of official cartography (also historical maps) and planning tools; participatory methodologies GIS (PPGIS).

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

RESEARCH PROGRAM NO. 37

The assessment criteria for the qualifications and the interview will be affixed on **3.5.2017** at **9:00** in Centro Italiano di Eccellenza sulla Logistica Integrata (C.I.E.L.I.) dell'Università di Genova, 2nd floor, Via F. Vivaldi 5 – Darsena, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **3.5.2017** at **12:00** in Centro Italiano di Eccellenza sulla Logistica Integrata (C.I.E.L.I.) dell'Università di Genova, 2nd floor, Via F. Vivaldi 5 – Darsena, Genova.

The interview will be held on **3.5.2017** at **15:00** in Centro Italiano di Eccellenza sulla Logistica Integrata (C.I.E.L.I.) dell'Università di Genova, 2nd floor, Via F. Vivaldi 5 – Darsena, Genova.

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

Scientific coordinator: Prof. Valentina DI GREGORIO

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

Title: The Damage under Transport Contracts. Effectiveness of Protection in the Framework of a Multilevel Regulation.

Description: The research aims at identifying a strategy in regulating transport contracts in order to help increase the share of environmentally friendly transport in relation to other modes of transport. In this view, the research focuses on non-performance of contractual obligations by the carriers, their consequences and their regulation, in order to evaluate the suitability to be dissuasive of every mean provided for by different sources of Law. The research gathers the various sources intervening on the topic of transport obligations and identifies every right and remedy arising from non-performance by the carrier, evaluating its effectiveness – coherence, suitability, and availability - in protecting the weaker party of this contract (i.e. the passenger).

Scientific disciplinary sector: IUS/01 PRIVATE LAW

Place: Centro Italiano di Eccellenza sulla Logistica Integrata (C.I.E.L.I.)

Required degree:

Laurea V.O. in Giurisprudenza

Laurea Specialistica della classe 22/S Giurisprudenza

Laurea Specialistica della classe 102/S Teoria e tecniche della normazione e dell'informazione giuridica

Laurea Magistrale della classe LMG/01 Giurisprudenza

Subjects of the interview: Transport contracts; non-performance and outcomes: contractual liability and compensation for non-economic damages; EU Law and National Law: connection in the aim of an effective protection of the weaker party.

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

RESEARCH PROGRAM NO. 38

The assessment criteria for the qualifications and the interview will be affixed on 2.5.2017 at 13:00 in Dipartimento di Economia (DIEC), Via Vivaldi 5, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 9:00 in Dipartimento di Economia (DIEC), Via Vivaldi 5, Genova.

The interview will be held on 3.5.2017 at 13:00 in Dipartimento di Economia (DIEC), Via Vivaldi 5, Genova.

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

Scientific coordinator: Prof. Maria Stella ROLLANDI

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

Title: Banking and finance in Genoa (19th-20th centuries).

Description: During the Liberal Era Genoa's financial elite played a primary role in the Italian economic development. At present, the economic history literature provides only a general framework but it doesn't consider some nodal aspects, due to the lack of available information. The recent cataloguing of archival sources preserved in the Centro di studi e documentazione di Storia economica "Archivio Doria" of the Dipartimento di Economia, allows to carry on a deep analysis in order to bridge this gap. Starting from the study of the above mentioned sources, the fellowship will analyse these topics in innovative terms, examining the investment strategies of several important families, and how they matched with the national and international dynamics of that period.

Scientific disciplinary sector: SECS-P/12 ECONOMIC HISTORY

Place: Dipartimento di Economia (DIEC)

Required degree: Dottorato di ricerca in Storia Economica, Dottorato di ricerca in Storia economica e sociale, Dottorato di ricerca in Storia dell'impresa, dei sistemi d'impresa e finanza aziendale.

Subjects of the interview: Economic History of Contemporary Italy; Business History; Financial History.

RESEARCH PROGRAM NO. 39

The assessment criteria for the qualifications and the interview will be affixed on 3.5.2017 at 10:00 in Dipartimento di Scienze della Formazione (DISFOR), 3rd floor, Corso A. Podestà 2, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 3.5.2017 at 15:00 in Dipartimento di Scienze della Formazione (DISFOR), 3rd floor, Corso A. Podestà 2, Genova.

The interview will be held on 5.5.2017 at 10:00 in Dipartimento di Scienze della Formazione (DISFOR), 3rd floor, Corso A. Podestà 2, Genova.

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

Scientific coordinator: Prof. Federico RAHOLA

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

Title: The memory of a territory: a visual and transmedia research on industrial past and current transformation in Savona's area. (A project in visual and transmedia social research).

Description: Over the past few years, social research has been open to new languages and styles. Particularly, the introduction of audiovisual techniques and the production of sociological documentaries has strengthened its public dimension and accessibility, fostering the direct participation of the actors. In this sense, the project aims to carry out an audiovisual and trans-media research on the socio-economic processes that affected the Savona area, focusing both on the industrial past and its memory and on the current, ongoing transformation of the port area.

The research work will be based at the University Campus in Savona, relying on its equipped facilities ("Buster Keaton" visual Lab) and directly involving the students of the Undergraduate Course in Communication Sciences. The project aims to provide a direct support to the teaching activities of the Course as well as to strengthen the relationship between the Course and the territory.

Scientific disciplinary sector: SPS/08 SOCIOLOGY OF CULTURE AND COMMUNICATION

Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree: Dottorato di ricerca in Cinema, Fotografia, Televisione

Subjects of the interview: Sociology of Cultural Processes; Research Methods in Visual Sociology; Theory of image; Documentary techniques in Social Research; Transmedia Research and Digital Archives.