ANNEX A

SCIENTIFIC DISCIPLINARY AREA: MATHEMATICS AND INFORMATICS

RESEARCH PROGRAM NO. 1

The assessment criteria for the qualifications and the interview will be affixed on **5.9.2016** at **10.00** 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 **5.9.2016** at **14.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Dodecaneso 35, Genova

The interview will be held on **5.9.2016** at **15.00** 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.

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. Patrizia Boccaci on the phone number +39 010 3536732 or via the email address patrizia.boccacci@unige.it

Scientific coordinator: Prof.ssa Patrizia BOCCACCI

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

Title: Scientific use of Telescope of Astronomical Observatory of Parco Antola: acquisition, image processing and remote control.

Description: The scientific management of the Telescope of the Astronomical Observatory of "Parco Antola" is one of the main purposes of the Interdepartmental Centre "ORSA" (DIBRIS, DIFI, DIMA, DITEN).
The activities related to this research grant that focuses on the acquisition of images, their processing and the remote control of the telescope fit this area. In particular, image processing must take into account the characteristics of the telescope, depending on the "seeing" and the atmospheric conditions, that are controlled using special procedures for image acquisition.

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:
Image acquisition by 80 cm telescopes; astronomical image processing, in particular, of images given by Monte Antola telescope; telescope remote control systems for scientific applications.

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

SCIENTIFIC DISCIPLINARY AREA: PHYSICS

RESEARCH PROGRAM NO. 2

The assessment criteria for the qualifications and the interview will be affixed on **14.7.2016** at **14.00** in Dipartimento di Fisica (DIFI), 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 **18.7.2016** at **14.00** in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova

The interview will be held on **21.7.2016** at **14.00** in Dipartimento di Fisica (DIFI), Via Dodecaneso 33, Genova

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

As regards candidates, who are not resident or domiciled in Italy, and those, who are resident or habitually domiciled at a distance of more than 300 Km from the selection centre, the interview, if requested, can also be held by electronic means (SKYPE video conference call), promptly contacting Prof. Giulia Rossi on the phone number +39 010 3536239 or via the email address rossig@fisica.unige.it

Scientific coordinator: Prof.ssa Giulia ROSSI

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

Title: Computational study of the molecular mechanisms of interaction between ligand-protected metal nanoparticles and model biological membranes.

Description: Metal nanoparticles (NP) play important roles in biomedical technologies as diagnostic or therapeutic devices. Even if ligand-protected NPs can nowadays be synthesized with many different functionalities, there is still poor understanding of the molecular processes that drive the interactions of NPs with cells. This project will addresses, by computational means, the understanding of the interactions between ligand-protected metal NPs and model cell membranes. The research activity will aim at rationalizing the interplay of NP size, composition and functionalization during the interaction with model biomembranes. Moreover, it will address the study of NP-protein interactions relevant to the formation of protein coronas around NPs dispersed in the serum.

Scientific disciplinary sector: FIS/03 PHYSICS OF MATTER
Place: Dipartimento di Fisica

Required degree:
Dottorato di ricerca in Fisica, Fisica applicata, Biofisica, Chimica, Bioinformatica, Ingegneria Biomedica e materie affini.

Subjects of the interview:
The interview will focus on the past research achievements of the candidates and on the verification of their expertise with respect to the project contents. Valuable competences include, for example, the familiarity with molecular simulation techniques and the knowledge of the systems of interest (metal nanoparticles, biological membranes, proteins…) from a physical, chemical and biological perspective.

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

SCIENTIFIC DISCIPLINARY AREA: CHEMISTRY

RESEARCH PROGRAM NO. 3

The assessment criteria for the qualifications and the interview will be affixed on **12.7.2016** at **12.00** in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso, 31, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **14.7.2016** at **18.00** in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso, 31, Genova

The interview will be held on **18.7.2016** at **10.00** in Dipartimento di Chimica e Chimica Industriale (DCCI), Via Dodecaneso, 31, 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. Luca Banfi on the phone number +39 010 3536111 or via the email address banfi@chimica.unige.it

Scientific coordinator: Prof. Luca BANFI

NO.1 research fellowship - Duration: 18 months – Annual pre-tax amount: € 19.367,00

Title: Multicomponent synthesis of polyphenols based on natural fragments, as possible inhibitors of amyloid aggregation.

Description: Natural polyphenols are important substances found in various sources. The ability of some of them (resveratrol, curcumin, flavonoids) to inhibit amyloid aggregation was recently reported, suggesting a potential application in the prevention of the Alzheimer's disease. We plan to synthesize new artificial polyphenolic compounds from a series of simple phenolic compounds that can be extracted from natural sources or waste. They will be assembled, in a combinatorial manner, using multicomponent reactions. Finally, further rigidification (guided by computational modelling) will be attained through post-condensation cyclization steps, producing heterocyclic scaffolds. This collection will be tested by other group involved in the project, funded by Fondazione CARIPLO.

Scientific disciplinary sector: CHIM/06 ORGANIC CHEMISTRY
Place: Dipartimento di chimica e chimica industriale

Required degree:
Laurea V.O. in Chimica o in Chimica e Tecnologie Farmaceutiche o in Chimica e tecnologia farmaceutiche o in Chimica Industriale, o Laurea Specialistica della classe 14/S Farmacia e farmacia industriale o della classe 62/S Scienze chimiche o della classe 81/S Scienze e tecnologie della chimica industriale, o Laurea Magistrale della classe LM-13 Farmacia e farmacia industriale o della classe LM-54 Scienze chimiche, o della classe LM-71 Scienze e tecnologie della chimica industriale.

Subjects of the interview:
Organic synthesis, diversity-oriented synthesis, multicomponent reactons, drug discovery.

SCIENTIFIC DISCIPLINARY AREA: BIOLOGY

RESEARCH PROGRAM NO. 4

The assessment criteria for the qualifications and the interview will be affixed on **4.7.2016** at **9.00** in Dipartimento di Scienze della terra, dell'ambiente e della vita (DiSTAV), Via Benedetto XV, 5 (Polo Didattico San Martino, 1° piano), Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **4.7.2016** at **12.00** in Dipartimento di Scienze della terra, dell'ambiente e della vita (DiSTAV), Via Benedetto XV, 5 (Polo Didattico San Martino, 1° piano), Genova

The interview will be held on **4.7.2016** at **14.00** in Dipartimento di Scienze della terra, dell'ambiente e della vita (DiSTAV), Via Benedetto XV, 5 (Polo Didattico San Martino, 1° piano), Genova

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

Scientific coordinator: Prof.ssa Mariachiara CHIANTORE

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

Title: Food safety and animal health in aquaculture in relation to Ocean Acidification.

Description: The project in which the grant is required refers to testing integrated multitrophic systems (IMTA) in aquaculture (FP7-ENV-2012-two-stage - GA 308571- project IDREEM). These systems provide for the introduction of different species belonging to different trophic levels in at sea and land based facilities, alongside with traditional fish species. This approach aims to convert useful waste material of the fish into valuable biomass and to significantly reduce the organic load that is deposited on the seabed with significant damage to the environment and human health. The activities of the fellow will refer to food safety and animal health assessment in the different farms involved in the project, with particular attention to additional threat caused by Ocean Acidification.

Scientific disciplinary sector: BIO/07 ECOLOGY
Place: Dipartimento di Scienze della terra, dell'ambiente e della vita (DISTAV)

Required degree:
Laurea Magistrale della classe LM-6 Monitoraggio Biologico o della classe LM -75 Scienze del Mare

Subjects of the interview:
Environmental stress in aquaculture with particular reference to Ocean Acidification;
Food safety regulation in aquaculture;
Experimental design and data analysis.

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

RESEARCH PROGRAM NO. 5

The assessment criteria for the qualifications and the interview will be affixed on **30.6.2016** at **9.00** in Dipartimento di Medicina interna e Specialità mediche (DIMI) - 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 **30.6.2016** at **12.00** in Dipartimento di Medicina interna e Specialità mediche (DIMI) Viale Benedetto XV – 6, Genova

The interview will be held on **30.6.2016** at **12.30** in Dipartimento di Medicina interna e Specialità mediche (DIMI) - 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.ssa Paola GHIORZO

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

Title: Somatic molecular genetics of melanoma, papillary thyroid cancer and gastrointestinal stromal tumors: translational research and massive parallel sequencing approaches.

Description: The project aims to design and test target sequencing panels to analyze simultaneously target-therapy genes and/or genes involved in mechanisms of resistance to molecular therapies that are common to melanoma, papillary thyroid cancer (PTC) and gastrointestinal stromal tumors (GIST). Secondary aim is to improve sensitivity to reveal mutations at somatic level to better characterize intra- and inter-tumoral heterogeneity, a necessary step to improve evaluation of the prognostic significance of the driver mutations identified.

Scientific disciplinary sector: BIO/13 EXPERIMENTAL BIOLOGY
Place: Dipartimento di Medicina interna e Specialità mediche (DIMI)

Required degree:
Dottorato di ricerca in Genetica Oncologica e Biologia del Differenziamento

Subjects of the interview:
Melanoma, papillary thyroid cancer and gasotrintestinal stromal cancer tumorigenesis. Massive parallel sequencing techniques. Description of past relevant experience in the field.

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

SCIENTIFIC DISCIPLINARY AREA: MEDICINE

RESEARCH PROGRAM NO. 6

The assessment criteria for the qualifications and the interview will be affixed on **30.6.2016** at **10.00** in Dipartimento di Scienze della Salute (DISSAL), Via Pastore 1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **30.6.2016** at **14.00** in Dipartimento di Scienze della Salute (DISSAL), Via Pastore 1, Genova

The interview will be held on **30.6.2016** at **15.00** in Dipartimento di Scienze della Salute (DISSAL), Via Pastore 1, Genova

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

Scientific coordinator: Prof.ssa Maria Pia SORMANI

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

Title: Assessment of heterogeneity in disability progression of patients with Multiple Sclerosis: application of latent class mixed effects models.

Description: In patients with multiple sclerosis (MS) the disability accumulation is the factor that mainly impact on their quality of life. In MS disability is measured by a scale called EDSS (Expanded Disability Status Scale) that can vary from a minimum of 0 to a maximum of 10 points. Aim of the project is to modelling the heterogeneity in the disability trajectory among relapsing-remitting MS (RRMS) patients. Presence of classes of patients with a similar disability trajectory within the class will be assessed and impact of demographic or clinical characteristics on the classification will be investigated. For the project will be used a database of natural history with over 1000 patients realized by Brescia's Hospital.

Scientific disciplinary sector: MED/01 MEDICAL STATISTICS
Place: Dipartimento di Scienze della salute (DISSAL)

Required degree:
Dottorato di ricerca in Epidemiologia Molecolare delle Malattie Cronico-Degenerative e Biostatistica

Subjects of the interview:
Longitudinal regression models, dynamic prediction models and latent class mixed models.

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

RESEARCH PROGRAM NO. 7

The assessment criteria for the qualifications and the interview will be affixed on **30.6.2016** at **9.00** in Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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 **30.6.2016** at **12.00** in Dipartimento di Medicina Interna e Specialità Mediche (DIMI), Viale Benedetto, XV/6, Genova

The interview will be held on **30.6.2016** at **14.00** in Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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.

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. Alberto Ballestrero on the phone number +39 010 3538667 or via the email address aballestrero@unige.it

Scientific coordinator: Prof. Alberto BALLESTRERO

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

Title: Evaluation of prognostic and predictive molecular markers in circulating tumor DNA samples of patients affected by breast and colorectal cancer.

Description: In the plasma of patients with breast cancer and colorectal cancer you can detect the presence of circulating tumor DNA (ctDNA), even small amounts of it. The analysis of ctDNA allows, through simple blood tests (liquid biopsy), to identify biomarkers with prognostic and predictive power able to define better the prognosis of patients and to modify the schedule of therapies. From the plasma of serial samples we will extract the ctDNA to search for tumor-specific molecular alterations previously found in the primary tumor. This type of analysis will allow to see the microscopic disease, below the threshold of radiology, in order to monitor the response to therapy and the eventual relapse.

Scientific disciplinary sector: MED/09 INTERNAL MEDICINE
Place: Dipartimento di Medicina Interna e Specialità Mediche (DIMI)

Required degree:
Laurea Specialistica della classe 6/S Biologia o della classe 9/S Biotecnologie mediche, veterinarie e farmaceutiche o della classe 14/S Farmacia e farmacia industriale, o Laurea magistrale della classe LM/6 Biologia o della classe LM-9 Biotecnologie mediche o della classe LM-13 Farmacia e farmacia industriale.

Subjects of the interview:
-Knowledge of molecular biology: extraction of nucleic acids from human tissue, Real-Time PCR, Sanger sequencing, next generation sequencing (NGS).
-Personal attitude to scientific research
-Argumentation about curricular personal experiences (grant writing experiences and presentation of studies during national or international meeting or conferences; previous experience in diagnosis and molecular research on solid tumors; abroad experience at recognized laboratories)

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 **29.6.2016** at **10.00** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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 **29.6.2016** at **14.00** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), Viale Benedetto, XV,6, Genova

The interview will be held on **29.6.2016** at **15.00** in Dipartimento di Medicina Interna e Specialità Mediche (DIMI), retrocorpo, IV piano, Aula Polleri, 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. Renzo CORDERA

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

Title: Effects of Glibenclamide on cell metabolism in cardyomioblasts.

Description: Sulfonylureas are oral drugs widely used for the treatment of type 2 diabetes mellitus (T2DM), either as single therapy or in combination with other medications, especially metformin. Glibenclamide cardiac toxicity is attributed to inhibition of ATP-sensitive potassium channels (KATP). Recently, it has been described that glibenclamide can induce a toxic effect in renal tubular cells also inducing a depletion of ATP. They act by binding to and inducing the closure of ATP-dependent K channels (KATP). In pancreatic beta-cells, the ensuing accumulation of K (+) ions triggers the depolarization of the membrane potential, the opening of voltage-dependent Ca (2+) channels, a surge in intracellular Ca (2+) and, eventually, the exocytosis of preformed insulin. Aim of this project will be to identify whether glibenclamide can affect mitochondria subcellular organization and energy balance in H9C2 cells.

Scientific disciplinary sector: MED/13 ENDOCRINOLOGY
Place: Dipartimento di Medicina Interna e Specialità Mediche (DIMI)

Required degree:
Dottorato Ricerca in Biologia e fisiopatologia cardiaca, vascolare, renale e metabolica

Subjects of the interview:
The effect of Sulfonylureas on cellular energy balance.

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 **6.7.2016** at **11.00** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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 **6.7.2016** at **14.00** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), Viale Benedetto, XV/6, Genova

The interview will be held on **6.7.2016** at **14.30** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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. Giacomo GARIBOTTO

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

Title: The role of myostatin in muscle atrophy of patients with chronic kidney disease.

Description: In chronic kidney disease uremic cachexia and alterations in protein metabolism cause an increase in morbidity and mortality. Diabetic nephropathy is among the main causes of terminal renal failure. The research program will be aimed at knowing intracellular pathways that regulate protein turnover in skeletal muscle of diabetic patients with chronic kidney disease. The gene and protein expressions of myostatin, the principal regulator of muscle turnover, along with its influence on insulin-resistance, will be especially analyzed, studying PI3K/Akt pathway linked to IGF-1 and insulin. The results will be placed in relation to nutritional status and to the degree of residual renal function in a cohort of muscle biopsies (rectus abdominis) already available.

Scientific disciplinary sector: MED/14 NEPHROLOGY
Place: Dipartimento di Medicina Interna e Specialità Mediche (DIMI)

Required degree:
Laurea V.O. in Medicina e Chirurgia, o Laurea Specialistica della classe 46/S Medicina e Chirurgia, o Laurea Magistrale della classe LM/41 Medicina e Chirurgia

Subjects of the interview:
Mechanisms involved in insulin resistance and cell loss in chronic kidney disease (CKD) muscle; Epidemiology of CKD complications, Effects of metabolic acidosis and inflammation effects of Myostatin on skeletal muscle.

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

RESEARCH PROGRAM NO. 10

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **11.30** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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 **29.6.2016** at **14.30** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), Viale Benedetto, XV, 6, Genova

The interview will be held on **29.6.2016** at **15.00** in Direzione Amministrativa del Dipartimento di Medicina Interna e Specialità Mediche (DIMI), 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. Alberto SULLI

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

Title: Quantitative, qualitative and statistical analysis of magnetic resonances images of hand and wrist and magnetic resonances characterization of different rheumatic diseases.

Description: The project is dedicated to the evaluation of the MR images of carpus and metacarpophalangeal joints of patients attending the clinic unit of Rheumatology using RAMRIS method and subsequent statistical analysis of the evaluations, broken down by disease / demographic and clinical characteristics / disease severity / type of drug. Rheumatological softwares to the evaluation of synovitis and erosions will be tested; these will be used for the qualitative and quantitative evaluation in MR images, correlated with the characteristics of the patient population and with the type of therapy. The project also includes the quantitative evaluation, through MR imaging, of the effectiveness of different types of medication on the carpus bone disease. One of the objectives is research and characterization of imaging patterns for different rheumatic diseases.

Scientific disciplinary sector: MED/16 RHEUMATOLOGY
Place: Dipartimento di Medicina Interna e Specialità Mediche (DIMI)

Required degree:
Laurea V.O. in Scienze Biologiche

Subjects of the interview:
Software for three-dimensional reconstruction of hand and wrist bone component, RAMRIS evaluation, MRI examination execution with an extremities dedicated machine with focus on the different sequences used according to the analyzed tissues, MRI characteristics of rheumatological diseases, previous related experience.

RESEARCH PROGRAM NO. 11

The assessment criteria for the qualifications and the interview will be affixed on **1.7.2016** at **10.30** in Clinica Neurologica del Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), 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 **1.7.2016** at **13.30** in Clinica Neurologica del Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), Largo Paolo Daneo 3, Genova

The interview will be held on **1.7.2016** at **14.30** in Clinica Neurologica del Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), 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. Giovanni Luigi MANCARDI

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

Title: Spinal cord metabolism in Amyotrophic Lateral Sclerosis: a FDG PET-CT study.

Description: Aim of the study is to develop a software able to evaluate spinal cord (SC) morphology and function based on data obtained from FDG PET co-registerd with CT in patients affected by Amyotrophic Lateral Sclerosis (ALS) and non neurological controls. Based on literature data suggesting functional differences in brain of ALS patients, we hypothesise that glucose metabolism might differentiate different tracts of SC in ALS. A computational tool will be developed to identify spinal canal and SC and its structure, volume, density and metabolism, their possible differences between patient and controls and verify any correlations with clinical data and disease evolution.

Scientific disciplinary sector: MED/26 NEUROLOGY
Place: Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI)

Required degree:
Laurea V.O. in Medicina e Chirurgia o Laurea Specialistica della classe 46/S Medicina e Chirurgia o Laurea Magistrale della classe LM-41 Medicina e Chirurgia

Subjects of the interview:
Neurodegenerative diseases: clinic and etiopathogenesis. Neuroradiology and elements of nuclear medicine in Amyotrophic Lateral Sclerosis.

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 **5.7.2016** at **8:00** in Sala Studio della Clinica Oculistica del Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), 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 **5.7.2016** at **11.00** in Sala Studio della Clinica Oculistica del Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), Viale Benedetto XV, 5 – Genova

The interview will be held on **5.7.2016** at **13.00** in Sala Studio della Clinica Oculistica del Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), 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. Michele IESTER

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

Title: Estimating the additional reduction of intraocular pressure in patients with primary open angle glaucoma in treatment with eyedrops Hypotonic, an oral supplement to the base Forskolin, carnitine and magnesium.

Description: Glaucoma is a clinical term that refers to a variety of conditions with the common feature of an optic neuropathy characterized by a loss of the retinal nerve fiber layer (RNFL) and a change of the optic nerve head (ONH). The loss of this neural tissue can lead to an irreversible loss of the visual field (CV). Clinical examination of a glaucoma patient should include the essential elements of a comprehensive eye examination , including tonometry , with the addition of measurement of central corneal thickness , gonioscopy , an examination of the ONH and RNFL and if there are some diagnostic doubts It has suggested a test on the field .
The medical treatment is the first option for the treatment of patients suffering from glaucoma. The purpose of the study is to test whether an oral solution with forskolin, and CARNITINE MAGNESIUM can reduce IOP.

Scientific disciplinary sector: MED/30 EYE DISEASES
Place: Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI)

Required degree:
Laurea Specialistica della classe 46/S Medicina e Chirurgia o Laurea Magistrale della classe LM-41 Medicina e Chirurgia

Subjects of the interview:
Classification, diagnosis and treatment of glaucoma.

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

RESEARCH PROGRAM NO. 13

The assessment criteria for the qualifications and the interview will be affixed on **1.7.2016** at **9.00** in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), 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 **1.7.2016** at **12.00** in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), Largo Paolo Daneo 3, Genova

The interview will be held on **1.7.2016** at **13.00** in Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI), 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. Giovanni Luigi MANCARDI

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

Title: MRI changes in multiple sclerosis patients treated with autologous haematopoietic stem cell transplantation and other immunosuppressive drugs.

Description: Autologous haematopoietic stem cell transplantation (AHSCT) is a treatment that is utilized in severe forms of multiple sclerosis (MS) unresponsive to approved therapies. It is certainly an effective strategy but its toxicity is relevant and the risk of mortality still remains of 1-2% of treated cases. In the present research project MRI of the brain will be evaluated in malignant MS cases, evaluating the total lesion load, the number of Gd enhancing areas, brain atrophy and structural changes with DTI, before and after transplantation. Also MS cases treated with intense immunosuppressive drugs such as alemtuzumab will be evaluated and compared with changes obtained after AHSCT.

Scientific disciplinary sector: MED/36 DIAGNOSTICA PER IMMAGINI E RADIOTERAPIA
Place: Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI)

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

Subjects of the interview:
MRI changes in multiple sclerosis. Traditional and non conventional MRI techniques in multiple sclerosis. Literature on MRI changes after autologous haematopoietic stem cell transplantation and alemtuzumab therapy in multiple sclerosis.

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 **30.6.2016** at **10.00** in Padiglione Sommariva, 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 **30.6.2016** at **13.00** in Padiglione Sommariva, IRCCS San Martino - IST, L.go Rosanna Benzi, 10, Genova

The interview will be held on **30.6.2016** at **14.00** in Padiglione Sommariva, primo piano, Sala Conferenze, 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.

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 5552026 (4811) 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. We point out that a significant part of the work will be spent in Turin in cooperation with the local University and with the imaging Center IRMET SpA.

Scientific disciplinary sector: MED/36 DIAGNOSTICA PER IMMAGINI E RADIOTERAPIA
Place: Dipartimento di Scienze della Salute (DISSAL)

Required degree:
Laurea V.O. in Medicina e Chirurgia o Laurea Specialistica della classe 46/S Medicina e Chirurgia o Laurea Magistrale della classe LM-41 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. 15

The assessment criteria for the qualifications and the interview will be affixed on **6.7.2016** at **9.30** in Aula Museo di Neurologia Pediatrica e Malattie Muscolari del Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Istituto 'G. Gaslini', Via Gaslini 5, Padiglione 16, I Piano, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **6.7.2016** at **12.30** in Aula Museo di Neurologia Pediatrica e Malattie Muscolari del Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Istituto 'G. Gaslini', Via Gaslini 5, Padiglione 16, I Piano, Genova

The interview will be held on **6.7.2016** at **13.00** in Aula Museo di Neurologia Pediatrica e Malattie Muscolari, del Dipartimento di Neuroscienze, Riabilitazione, Oftalmologia, Genetica e Scienze Materno-Infantili (DINOGMI), Istituto 'G. Gaslini', Via Gaslini 5, Padiglione 16, I Piano, Genova

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

Scientific coordinator: Prof. Pasquale STRIANO

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

Title: Role of the protein PRRT2 in the pathogenesis of paroxysmal neurological disorders.

Description: Family benign infantile convulsions (BFIS) , infantile convulsions with choreoathetosis (ICCA) , migraine, hemiplegic migraine , dyskinesia chinesigenica with paroxysmal choreoathetosis (PKD / IC) and episodic ataxia are examples of paroxysmal neurological disorders , traditionally considered different enough from etiopathological perspective . During the last year a number of jobs identified PRRT2 (Transmembrane Protein Rich in Proline 2) as a single gene most associated with these syndromes. The aim of the project is to investigate the genetic basis of these heterogeneous diseases linked to PRRT2, which includes the selection of patients suffering from various paroxysmal disorders, screening for mutations in the gene PRRT2 and the collection of biological samples for genetic analysis and reprogramming induced pluripotent stem cells.

Scientific disciplinary sector: MED/38 GENERAL AND SUBSPECIALTY PAEDIATRICS
Place: Dipartimento di Neuroscienze, riabilitazione, oftalmologia, genetica e scienze materno-infantili (DINOGMI)

Required degree:
Laurea V.O. in Scienze Biologiche o Laurea V.O in Medicina e Chirurgia o Laurea Specialistica della classe 6/S Biologia, o della classe 9/S Biotecnologie mediche, veterinarie e farmaceutiche, o della classe 46/S Medicina e Chirurgia o Laurea Magistrale della classe LM-6 Biologia, o della classe LM-9 Biotecnologie mediche, veterinarie e farmaceutiche, o della classe LM-41 Medicina e Chirurgia

Subjects of the interview:
Genetics of epilepsies, epileptic encephalopathies, epilepsy diagnostics.

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

RESEARCH PROGRAM NO. 16

The assessment criteria for the qualifications and the interview will be affixed on **1.7.2016** at **9.30** in CIRI-IT del Dipartimento di Scienze della Salute (DISSAL), Via Antonio Pastore 1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **1.7.2016** at **12.30** in CIRI-IT del Dipartimento di Scienze della Salute (DISSAL), Via Antonio Pastore 1, Genova

The interview will be held on **1.7.2016** at **15.30** in CIRI-IT del Dipartimento di Scienze della Salute (DISSAL), Via Antonio Pastore 1, Genova

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

Scientific coordinator: Prof.ssa Daniela AMICIZIA

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

Title: Epidemiological surveillance of Influenza Like Illness (ILI) and Acute Respiratory Infection (ARI) in Italy.

Description: Every year in industrialized countries influenza generates a significant impact on National Health Service and society, both in health and economic terms. The Interuniversity Research Centre on influenza and other communicable diseases (CIRI-IT) in collaboration with ISS carries out sentinel surveillance of influenza-like illness (ILI) through collaboration of general practitioners and paediatricians. This system proved to be over time an essential tool for monitoring ILI and Acute Respiratory Infections (ARI) in order to assess burden of seasonal influenza epidemics. The aims of surveillance are to estimate the overall incidence of ILI and ARI and by age and the early identification of seasonal influenza epidemics.

Scientific disciplinary sector: MED/42 HYGIENE AND PUBLIC HEALTH
Place: Centro Interuniversitario per la Ricerca sull'Influenza e le altre Infezioni Trasmissibili (C.I.R.I.- I.T.)

Required degree:
Laurea V.O. in Scienze Biologiche, o Laurea Specialistica della classe 6/S Biologia, Laurea Magistrale della classe LM-6 Biologia

Subjects of the interview:
Epidemiology of meningococcal diseases; clinical and economic burden of meningococcal diseases; prevention strategies.

RESEARCH PROGRAM NO. 17

The assessment criteria for the qualifications and the interview will be affixed on **4.7.2016** at **9.30** in Dipartimento di Scienze della Salute (DISSAL), Via Antonio Pastore 1, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **4.7.2016** at **12.30** in Dipartimento di Scienze della Salute (DISSAL), Via Antonio Pastore 1, Genova

The interview will be held on **4.7.2016** at **15.30** in Dipartimento di Scienze della Salute (DISSAL), Via Antonio Pastore 1, Genova

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

Scientific coordinator: Prof.ssa Donatella PANATTO

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

Title: Evaluation of the impact of invasive meningococcal disease in Italy

Description: Invasive meningococcal disease (IMD) is a severe condition and has a case-fatality rate of 10-15% and may determine lifetime sequelae in up to 40% of survivors. Data on the clinical and economic burden of IMD are lacking in Italy. In this light, this project aims at acquiring new knowledge on the clinical and socioeconomic burden of IMD. The project will be performed through two big epidemiological studies which will take into account data registered by the national invasive bacterial diseases surveillance, hospitalizations and interviews with physicians and patients. These data are fundamental in order to populate evidence-based models and to monitor the impact of new vaccination strategies.

Scientific disciplinary sector: MED/42 HYGIENE AND PUBLIC HEALTH
Place: Dipartimento di Scienze della salute (DISSAL)

Required degree:
Laurea V.O. in Medicina e Chirurgia o Laurea Specialistica della classe 46/S Medicina e Chirurgia o Laurea Magistrale della classe LM-41 Medicina e Chirurgia

Subjects of the interview:
Epidemiology of meningococcal diseases; clinical and economic burden of meningococcal diseases; prevention strategies.

SCIENTIFIC DISCIPLINARY AREA: CIVIL ENGINEERING AND ARCHITECTURE

RESEARCH PROGRAM NO. 18

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **10.00** in Direzione del Dipartimento di Scienze dell'Architettura (DSA), 4° piano, Stradone S. 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 **29.6.2016** at **13.00** in Direzione del Dipartimento di Scienze dell'Architettura (DSA), 4° piano, Stradone S. Agostino 37, Genova

The interview will be held on **29.6.2016** at **15.00** in Direzione del Dipartimento di Scienze dell'Architettura (DSA), 4° piano, Stradone S. 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. Enrico DASSORI

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

Title: Study of feasibility for university buildings in San Martino area with specific reference to the energy efficiency of buildings.

Description: This study of feasibility will include:
1) Maximum report on the overall architectural state of the buildings with identification of the elements to be retained and those of any possible demolition;
2) Identification of analytical functions to be placed inside buildings, even in the prospect of rationalizing the logistics needs and development of the offer of quality spaces of the entire Medical and Pharmaceutical School;
3) Location of the functions identified within the spaces;
4) Analysis of conformity of fire prevention systems in accordance with new functions spaces;
5) Characterization of the casings and improvement of efficientcy solutions.

Scientific disciplinary sector: ICAR/10 BUILDING DESIGN
Place: Dipartimento di Scienze per l'architettura (DSA)

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

Subjects of the interview:
Functional specifications for buildings - Fire Safety - technical physical elements - Technical solutions for energy efficiency - National legislation in the energy field - Parametric Numerical simulation of performance under dynamic conditions using software -based building information modeling (for example Autodesk REVIT and ALLPLAN Nemetschek Group) - numerical simulation for energy efficiency audits under steady state (for example LETO ANIT and TERMOLOG Logical Soft).

RESEARCH PROGRAM NO. 19

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **12.30** in Direzione del Dipartimento di Scienze dell'Architettura (DSA), Scuola Politecnica, Stradone S. 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 **30.6.2016** at **17.00** in Direzione del Dipartimento di Scienze dell'Architettura (DSA), Scuola Politecnica, Stradone S. Agostino 37, Genova.

The interview will be held on **1.7.2016** at **10.00** in Direzione del Dipartimento di Scienze dell'Architettura (DSA), Scuola Politecnica, Stradone S. 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. Andrea GIACHETTA

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

Title: Innovative methods and tools for sustainable city planning and design. Vegetated and green technologies: analysis, implementation and monitoring.

Description: The research regards the most advanced knowledge about the vegetated and green technologies at international level. Their application for urban and building design will be studied according to the most innovative methodologies to contribute to the development of knowledge in the field.
The research will test how methods and tools for a sustainable approach to design, developed in other climatic, environmental, cultural and constructive contexts, can adapt to local conditions; at the same time, it aims at developing new methods and tools, especially for Mediterranean context.

Scientific disciplinary sector: ICAR/12 ARCHITECTURAL TECHNOLOGY
Place: Dipartimento di Scienze per l'architettura (DSA)

Required degree:
Dottorato di ricerca in Architettura

Subjects of the interview:
- Knowledge of the candidate about vegetated and green technologies for territorial and urban planning and in building design, with reference to more advanced international studies.
- Discussion of the curricular experiences of the candidate, with particular reference to his scientific production and inherent research at national and international level.

SCIENTIFIC DISCIPLINARY AREA: INDUSTRIAL AND INFORMATION ENGINEERING

RESEARCH PROGRAM NO. 20

The assessment criteria for the qualifications and the interview will be affixed on **30.6.2016** at **8.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **30.6.2016** at **12.00 i**n Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, Genova

The interview will be held on **30.6.2016** at **15.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, 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 PICCARDO

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

Title: Usage of metallic coatings (Cu, Co, Mn base) on stainless steels to be used at temperatures in the range 700°C - 800°C.

Description: Stainless steels are used in various applications at high temperature where their ability to get naturally covered by a passive and resistant chromium base oxide layer is demanded. Metallic coating containing Co, Cu and Mn are proposed in order to obtain spinel layers showing higher thermal and chemical resistance at high temperature.

Scientific disciplinary sector: ING-IND/21 METALLURGY
Place: Dipartimento di Chimica e Chimica industriale (DCCI)

Required degree:
Dottorato di ricerca in Scienze e Tecnologie Chimiche

Subjects of the interview:
Usage of stainless steels in applications at high temperature, usage of protective coatings for stainless steels, evaluation of materials reactivity at high temperature by electrochemical measurements.

RESEARCH PROGRAM NO. 21

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **8.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **29.6.2016** at **12.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, Genova

The interview will be held on **29.6.2016** at **15.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, 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 PICCARDO

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

Title: Research, development and characterization of a Cu base alloy to be applied for the prepation of food products in order to obtain the "Food Bronze".

Description: A wide part of food placed on the market industrially manufactured enters in contact with metals. The "Italian Pasta trafilata al bronzo" is worldwide known and uses Cu base alloys cylinders where the dough under preparation is pressed in order to obtain the final shape with the desired superficial roughness. To investigate and develop a suitable Cu base alloy which responds to the needs of "pasta" production is one of the goals of this activity: no cations release in the food, no alteration of the cylinder, controlled storage and maintenance.
The second part of the research is related to electrochemical and analytical investigations in order to estimate the corrosion resistance of the alloy at operating conditions and the interaction between the dough and the metal.

Scientific disciplinary sector: ING-IND/21 METALLURGY
Place: Dipartimento di Chimica e Chimica industriale (DCCI)

Required degree:
Dottorato di ricerca in Scienze e Tecnologie Chimiche

Subjects of the interview:
Cu base alloy, wet corrosion, microbiologically induced corrosion, ICP analyses of solutions.

RESEARCH PROGRAM NO. 22

The assessment criteria for the qualifications and the interview will be affixed on **1.7.2016** at **8.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **1.7.2016** at **12.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, Genova

The interview will be held on **1.7.2016** at **15.00** in Dipartimento di Chimica e Chimica industriale (DCCI), Via Dodecaneso, 31, 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 PICCARDO

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

Title: Glass - metal interaction in SOFC stacks.

Description: An SOFC stack needs structural materials showing high and long lasting resistance at extreme operating conditions in terms of physical (e.g. temperature, electric field), chemical (interactions with other materials and the environment) and mechanical properties. Their integrity and durability largely affects the system stability, this research is therefore focused to evaluate a few ferritic stainless steel-glass pairs by duly designed tests in order to define their suitability as structural materials of SOFC stacks.

Scientific disciplinary sector: ING-IND/21 METALLURGY
Place: Dipartimento di Chimica e Chimica industriale (DCCI)

Required degree:
Dottorato di ricerca in Scienze e Tecnologie Chimiche

Subjects of the interview:
Usage of stainless steels in application at high temperature, characterization of glass materils by spectroscopic techniques, steel-glass interaction.

RESEARCH PROGRAM NO. 23

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **8.30** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN) Via all'Opera Pia 11a, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **29.6.2016** at **12.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN) Via all'Opera Pia 11a, Genova

The interview will be held on **29.6.2016** at **12.30** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN) Via all'Opera Pia 11a, Genova

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

Scientific coordinator: Prof. Mario MARCHESONI

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

Title: Development and experimental implementation of sensorless control techniques for permanent magnets synchronous motor drives.

Description: The research project deals initially with a thorough bibliographic investigation related to existing techniques for the identification of the rotor position of an anisotropic permanent magnet synchronous motor (PMSM), in the absence of angular position sensor. Then, suitable identification techniques for isotropic motors should also be studied, evaluating the precision of the angular position estimation in different operating conditions and the bandwidth of the control loops. Finally, an isotropic PMSM drive prototype will have to be experimentally developed and the most suitable technique will have to be implemented on a digital control architecture, evaluating the obtained performance by comparison with results obtained in simulation.

Scientific disciplinary sector: ING-IND/32 POWER ELECTRONIC CONVERTERS, ELECTRICAL MACHINES AND DRIVES
Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree:
Dottorato di ricerca in Ingegneria Elettrica

Subjects of the interview:
Advanced theory of energy static conversion, modulation and control strategies for electrical drives; use of FPGA and microprocessors in the control of energy static conversion systems.

RESEARCH PROGRAM NO. 24

The assessment criteria for the qualifications and the interview will be affixed on **1.7.2016** at **9.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN) Via all'Opera Pia 11, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **1.7.2016** at **13.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN) Via all'Opera Pia 11, Genova

The interview will be held on **1.7.2016** at **17.00** in Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni (DITEN) Via all'Opera Pia 11, 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. Lucio Marcenaro on the phone number +39 010 3532060 or via the email address lucio.marcenaro@unige.it

Scientific coordinator: Prof. Lucio MARCENARO

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

Title: Recognizing anomalous situation in crowded environments.

Description: Nowadays, the increased demand of security is a particularly relevant need of our society. Therefore, systems able to automatically interpret interactions, both among people and between people and the environment, represent an actual domain of research, which still lack efficient solutions and open problems.
The crowd phenomenon has recently increasingly attracted the attention of worldwide researchers. Different implications related to crowd behavior analysis can be considered, since both technical and social aspect is still under researchers' investigation.
The main objective of the research activity is to study and develop novel signal processing techniques for automatic detection of anomalous and potentially dangerous situation in crowded environments.

Scientific disciplinary sector: ING-INF/03 TELECOMMUNICATIONS
Place: Dipartimento di Ingegneria Navale, Elettrica, Elettronica e delle Telecomunicazioni (DITEN)

Required degree:
Laurea V.O. in Ingegneria informatica o laurea V.O. in Ingegneria elettronica o laurea V.O. in Ingegneria biomedica o laurea V.O Ingegneria delle telecomunicazioni o laurea V.O in Informatica o laurea V.O in Fisica o Laurea Specialistica della classe 35/S Ingegneria informatica o 32/S Ingegneria elettronica o 29/S Ingegneria dell'automazione o 26/S Ingegneria biomedica o 30/S Ingegneria delle telecomunicazioni o 23/S Informatica o 100/S Tecniche e metodi per la società dell'informazione o 20/S Fisica
Laurea Magistrale della classe LM-32 Ingegneria informatica o LM-29 Ingegneria elettronica o LM-25 Ingegneria dell'automazione o LM-21 Ingegneria biomedica o LM-27 Ingegneria delle telecomunicazioni o LM-26 Ingegneria della sicurezza o LM-18 Informatica o LM-66 Sicurezza informatica o LM-91 Tecniche e metodi per la società dell'informazione o LM-17 Fisica

Subjects of the interview:
Signal processing techniques, Telecommunication systems, Artificial intelligence, C++ programming language.

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

RESEARCH PROGRAM NO. 25

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **9.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), 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 **29.6.2016** at **12.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale Causa 13, Genova

The interview will be held on **29.6.2016** at **14.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Viale Causa 13, Genova

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

Scientific coordinator: Prof. Giovanni ADORNI

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

Title: Knowledge Representation for Subject Matter Structuring.

Description: Designing of a knowledge representation system for scheming and organizing the educational materials, grounded on the pedagogical theories of the subject matter structuring and presentation. The basic idea pursues the Educational Concept Maps model, developed with the aim of guaranteeing the reusability of both teaching materials and knowledge structures. The knowledge structure representing the subject matter is composed of concepts and educational relations relating those concepts. Then, starting from the knowledge organization of the domain, a sequence of concepts could be generated, and the teaching materials can be associated to each concept. The idea is to select such materials through a recommender system working on the bases of didactic goals and a user profile.

Scientific disciplinary sector: ING-INF/05 INFORMATION PROCESSING SYSTEMS
Place: Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:
Dottorato di ricerca in Lingue, Culture e Tecnologie della Comunicazione e dell'Informazione

Subjects of the interview:
Foundations of Artificial Intelligence with specific focus on knowledge based Systems; Recommender Systems; Semantic Web technology; Web programming languages; Basic knowledge on Pedagogy.

RESEARCH PROGRAM NO. 26

The assessment criteria for the qualifications and the interview will be affixed on **1.7.2016** at **9.30** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via all'Opera Pia 13, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **1.7.2016** at **12.30** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via all'Opera Pia 13, Genova

The interview will be held on **1.7.2016** at **14.30** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via all'Opera Pia 13, Genova

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

Scientific coordinator: Prof. Davide ANGUITA

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

Title: Data Mining and Machine Learning techniques for predictive and descriptive analytics in industrial applications.

Description: The objective of the research is the development of scalable Data Mining and Machine Learning techniques for industrial applications like, for example, transportation systems and manufacturing systems, with particular reference to the methods that make use of "Big Data". It is expected that the candidate will develop algorithms for building data-driven descriptive and predictive models from sensor data, possibly able to integrate physical models of the phenomena under exam.

Scientific disciplinary sector: ING-INF/05 INFORMATION PROCESSING SYSTEMS
Place: Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:
Laurea Magistrale della classe LM-18 Informatica o LM-29 Ingegneria elettronica o LM-31 Ingegneria Gestionale o LM-32 Ingegneria Informatica

Subjects of the interview:
Algorithms and methods of Data Mining and Machine Learning, industrial applications of "Big Data", predictive and descriptive models for industrial applications.

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 **5.7.2016** at **9.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **5.7.2016** at **13.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova

The interview will be held on **5.7.2016** at **14.00** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova

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

Scientific coordinator: Prof. Pierpaolo BAGLIETTO

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

Title: Design, development and test of software platform for "in memory data store" in the application domain of Infomobility, Logistics, Safety and Security (ILS).

Description: The research activities are:
- Definition of the requirements for software platforms for service integration in the application domain of Infomobility, Logistics, Safety and Security (ILS).
- Definition of a scalable solution based on a software platform for "in memory data store".
- Development of a laboratory prototype.

The expected research results are:
- A high scalability software platform for service and application integration.
- A functional and performance analysis of the software platform.

Scientific disciplinary sector: ING-INF/05 INFORMATION PROCESSING SYSTEMS
Place: Centro Interuniversitario sull'Ingegneria delle Piattaforme Informatiche (CIPI)

Required degree:
Laurea Magistrale della classe LM-32 Ingegneria informatica

Subjects of the interview:
C/C++ and Java/JEE programing, Framework OSGi. Development of protocols and management systems for command and control platforms. Architectures, integration and composition models for application services (e.g. Infinispan, BPEL engines). Design and development of virtualized systems based on XEN/KVM and VMWare platforms.

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

RESEARCH PROGRAM NO. 28

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **8.30** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **29.6.2016** at **12.30** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova

The interview will be held on **29.6.2016** at **14.30** in Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS), Via Opera Pia 13, Genova

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

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. Antonio Sgorbissa on the phone number +39 010 3532706 or via the email address Antonio.sgorbissa@unige.it

Scientific coordinator: Prof. Antonio SGORBISSA

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

Title: Wearable sensors, robots, and intelligent systems for search and rescue.

Description: The project is aimed at developing software technologies, in particular wearable and robotic systems, to support personnel involved in monitoring and exploration. The reference application is environmental monitoring and post disaster intervention.

Wearable systems and robots will be equipped with sensors and intelligent algorithms to support human operators in their tasks: the project faces issues related to HW/SW development and integration, knowledge representation, data fusion, self-localization and map building, planning and control.

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 32/S Ingegneria elettronica o 35/S Ingegneria informatica o Laurea Magistrale della classe LM-29 Ingegneria elettronica o LM-32 Ingegneria Informatica

Subjects of the interview:
Methods and algorithms for robotic control, navigation, localization, planning, sensor fusion.

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

RESEARCH PROGRAM NO. 29

The assessment criteria for the qualifications and the interview will be affixed on **18.7.2016** at **8.30** 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 **18.7.2016** at **12.00** in Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME), Via Opera Pia 15a, Genova

The interview will be held on **18.7.2016** at **12.15** 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. Matteo Zoppi on the phone number +39 3204382160 or via the email address zoppi@dimec.unige.it

Scientific coordinator: Prof. Matteo ZOPPI

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

Title: Development of the application and of a market for the APT 796 demining machine.

Description: The research group of UNIGE-DIME partner of the EU project TIRAMISU completed within TIRAMISU the development of an innovative machine for humanitarian demining based on the chassis of an agricultural tractor. The commercial name of the machine is APT 796. At the moment effort has to be put in the transfer of the technology, with the machine moved from the current level of advanced demonstrator to a machine fully commercial and in use. APT is innovative because associated to a new and more effective method of operation compared to what applied today with the machines available on the market: this development needs an effort of development, presentation and testing with the end-users; the research will cover these topics. The researcher enrolled shall have an outstanding experience and knowledge in the area of humanitarian demining with years of activity documented; the work will comprise the development of the method of use of APT and its testing with national demining agencies and demining organizations.

Scientific disciplinary sector: ING-IND/13 APPLIED MECHANICS
Place: Dipartimento di Ingegneria meccanica, energetica, gestionale e dei trasporti (DIME)

Required degree:
Laurea Magistrale della classe LM-1 Antropologia culturale ed etnologia o della classe LM-14 Filologia moderna o della classe LM-33 Ingegneria meccanica o della classe LM-52 Relazioni internazionali o della classe LM-57 Scienze dell`educazione degli adulti e della formazione continua o della classe LM-62 Scienze della politica o della classe LM-81 Scienze per la cooperazione allo sviluppo o della classe LM-85 Scienze pedagogiche.

Subjects of the interview:
Humanitarian demining and humanitarian mine action: objectives, methods, equipment and tools. Standing operating procedures and standard of reference. Operating procedures for technical survey and mine clearance. Field practice and experience.

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

RESEARCH PROGRAM NO. 30

Scientific coordinator: Prof. Carmelina RUGGIERO

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

Title: Nanoinformatics and omics technologies: computational systems development and simulations.

Description: The main objectives of the proposed research project relate to biotechnology aspects that have recently developed in the post genomics era (such as genomics, proteomics and epigenetics) and nanotechnology, which have developed in parallel to them. In nanotechnology field it is expected to develop aspects of nanoinformatics for modelling and simulation of nanostructures by taking into account their chemical and physical properties and structural properties and parameters related to the environment. For genomics, proteomics and epigenetics it is expected to study molecular interactions by means of molecular modelling methods such as the discrete molecular dynamics for the detailed characterization of protein structures.

Scientific disciplinary sector: ING-INF/06 ELECTRONIC AND INFORMATICS BIOENGINEERING
Place: Dipartimento di Informatica, bioingegneria, robotica e ingegneria dei sistemi (DIBRIS)

Required degree:
Dottorato di ricerca in Nanotecnologie

Subjects of the interview:
Scientific experience of the applicant with special reference to the potential of mathematical modelling for bio-nanotechnology, big data managing in bio-nanotechnology, analysis of international data bases of materials related to bio-nanotechnologies.

SCIENTIFIC DISCIPLINARY AREA: ECONOMICS AND STATISTICS

RESEARCH PROGRAM NO. 31

The assessment criteria for the qualifications and the interview will be affixed on **6.7.2016** at **9.00** in Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo (DIRAAS), III piano, Via Balbi 4, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **6.7.2016** at **12.00** in Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo (DIRAAS), III piano, Via Balbi 4, Genova

The interview will be held on **6.7.2016** at **12.30** in Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo (DIRAAS), III piano, Via Balbi 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. Claudio FERRARI

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

Title: Demographical changes, innovation and sustainability of transport systems.

Description: As recently stated by the United Nations Organization in the next decades people over 60 years in the most developed countries will increase from 210 million in 2010 to 395 million in 2050. This trend will surely impact on the transport system due to the changes in the transport needs of elderly people. Therefore the definition of policies for a more inclusive and sustainable mobility will represetns a challenge for the XXI century.
The research will consider the existing literature on this topic in order to identify the best policies and practicies in the world and develop quali and quatitative techniques (as focus group, stated preferences analysis, etc.) in order to check their applicability to Italy.

Scientific disciplinary sector: SECS-P/06 APPLIED ECONOMICS
Place: Dipartimento di Italianistica, romanistica, antichistica, arti e spettacolo (DIRAAS)

Required degree:
Dottorato di ricerca in Logistica, Trasporti e Territorio

Subjects of the interview:
Demographical changes, their impact on the transport system, ITS, mobility of aged people.

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

SCIENTIFIC DISCIPLINARY AREA: POLITICAL AND SOCIAL SCIENCES

RESEARCH PROGRAM NO. 32

The assessment criteria for the qualifications and the interview will be affixed on **30.6.2016** at **9.30** in Dipartimento di Scienze Politiche (DISPO) Piazzale E. Brignole 2, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **30.6.2016** at **13.00** in Dipartimento di Scienze Politiche (DISPO) Piazzale E. Brignole 2, Genova

The interview will be held on **30.6.2016** at **16.00** in Dipartimento di Scienze Politiche (DISPO) Piazzale E. Brignole 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. Andrea MIGNONE

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

Title: The Politics of Immigration. Policies and Party Strategies at European Level.

Description: With asylum-seekers and immigrants still dying off the shores of EU Member States, EU migration policies are high on the political agenda. The main aim of the research is to identify national party strategies on immigration policies in the European Parliament. The research focuses on two directions of enquire: the first one concerns the voting behavior of Members of the European Parliament (MEPs) in Roll-Call Votes on immigration policies; the second one looks at the specific ideological preferences of MEPs on immigration. Positions and preferences will be measured by an on-line survey and a series of interviews with MEPs who mainly deal with the immigration issue.

Scientific disciplinary sector: SPS/04 POLITICAL SCIENCE
Place: Dipartimento di Scienze Politiche (DISPO)

Required degree:
Dottorato di ricerca in Scienza Politica

Subjects of the interview:
EU Institutions; Euro-parties; Voting behavior of MEPs in European Parliament; SPSS knowledge; Methodological competencies in interviewing and survey on-line.

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

RESEARCH PROGRAM NO. 33

The assessment criteria for the qualifications and the interview will be affixed on **29.6.2016** at **10.00** in Dipartimento di Scienze della Formazione (DISFOR) Corso 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 **29.6.2016** at **14.00** in Dipartimento di Scienze della Formazione (DISFOR) Corso Podestà 2, Genova

The interview will be held on **30.6.2016** at **10.00** in Dipartimento di Scienze Politiche (DISPO) Piazzale E. Brignole 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: Investigating new and original online communication models using web radio.

Description: Technological progress has produced a wide variety of communication instruments within the World Wide Web, which gave raise to a wave of new "places", easily accessible. In this framework, this proposal makes specifically reference to the web-radio, with the aim of investigating its latent potentialities and also studying new communication and interaction models. The related activity will be carried on at the Savona University Campus. In this facility, specialized laboratories and instruments are available (due to previous investments made by DISFOR) and a course in "Communication Sciences" and a master degree in "Digital Humanities" are delivered, whose educational programs include issues related to the proposed research. Main aim of the the project is to experimenting an hypermedia service for the University of Genoa, which can be made by setting up a research laboratory for the production and the delivery of suited communication artefacts highly valuable for their information and educational content.

Scientific disciplinary sector: SPS/08 SOCIOLOGY OF CULTURE AND COMMUNICATION
Place: Dipartimento di Scienze della Formazione (DISFOR)

Required degree:
Dottorato di ricerca in Lingue, Culture e Tecnologie dell'Informazione e della Comunicazione

Subjects of the interview:
Techniques and methods for the production and delivery of radio programmes, Semantics of new media, Communication, Sociology of Communications.

RESEARCH PROGRAM NO. 34

The assessment criteria for the qualifications and the interview will be affixed on **30.6.2016** at **11.00** in Dipartimento di Scienze Politiche (DISPO), Piazzale E. Brignole 3/A, Genova

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on **30.6.2016** at **14.00** in Dipartimento di Scienze Politiche (DISPO), Piazzale E. Brignole 3/A, Genova

The interview will be held on **30.6.2016** at **14.30** in Dipartimento di Scienze Politiche (DISPO), Piazzale E. Brignole 3/A, Torre Centrale, IV piano, Sala B, 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. Andrea PIRNI

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

Title: Young people, the public sphere and the re-elaboration of the society.

Description: The research project aims to identify the dynamics of change that characterize the sociation process, the transformation of social ties, the ways of involvement in the public sphere and the development of the collective dimension by the new generations. In particular, it intends to identify innovative practices implemented by young people in response to the crisis and to the precarious condition which affect the life planning, the relationships with others and the orientations for the future. Particular attention will be given to innovative practices in economic and political fields and to styles of construction of the private and public spheres focusing the increasing hybridization that characterizes them in the post-industrial society.

Scientific disciplinary sector: SPS/11 POLITICAL SOCIOLOGY
Place: Dipartimento di Scienze Politiche (DISPO)

Required degree:
Dottorato di ricerca in Sociologia e sociologia politica

Subjects of the interview:
1. The theories on the transition to the adulthood
2. The empirical research on new generations in Italy and Europe
3. The scientific production of the candidate on the political involvement and the use of new media by the new generations

The candidate will need to prove his/her knowledge of the English and Spanish languages.