RESEARCH PROGRAM NO. 33

The assessment criteria for the qualifications and the interview will be affixed on 17.12.2019 at 9.00 in Dipartimento di Medicina interna e Specialità mediche (DIMI), on the board in front of Segreteria Didattica, First Floor Retrocorpo DIMI, viale Benedetto XV, no. 6, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 17.12.2019 at 12.00 in Dipartimento di Medicina interna e Specialità mediche (DIMI), on the board in front of Segreteria Didattica, First Floor Retrocorpo DIMI, viale Benedetto XV, no. 6, Genova.

The interview will be held on 17.12.2019 at 12.30 in Dipartimento di Medicina interna e Specialità mediche (DIMI), on the board in front of Segreteria Didattica, First Floor Retrocorpo DIMI, viale Benedetto XV, no. 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. G. Zoppoli on the phone number +39 010 353 8667 or via the email address: gabriele.zoppoli@unige.it

Scientific coordinator: Prof. Alberto BALLESTRERO

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

Title: Modulation of SLFN11 protein in in vitro models of hormone-responsive breast adenocarcinoma (AM)

Description: As part of a collaboration project with the Sidra Medicine Center (Doha, QR) the Translational Genomics Laboratory is conducting research on the modulation of SLFN11 protein in vitro models of hormone-responsive breast adenocarcinoma (AM). The project consists in evaluating the ability of SLFN11 to induce a phenotype of sensitivity to drugs that damage DNA such as carboplatin and anthracyclines in AM cells. In particular, on hormone-responsive AM lines, we’ll induce the silencing of SLFN11 or the overexpression of this protein through demethylating agents and cytokines to verify if such endogenous and exogenous manipulations can reduce the concentration necessary to decrease the cell viability after exposure to chemotherapeutic drugs.

Scientific disciplinary sector: MED/09 MEDICINA INTERNA

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

Required degree: Laurea specialistica delle classi 6/S Biologia, 9/S Biotecnologie mediche veterinarie e farmaceutiche

Subjects of the interview: Good laboratory practice: cell viability assay, Western blot analysis, RT-PCR, RNAi for transient as well as stable suppression of gene. Three-dimensional cell culture systems (organoid models) and Xenograft murine models.

The candidate will need to prove his/her knowledge of the english language.
RESEARCH PROGRAM NO. 34

The assessment criteria for the qualifications and the interview will be affixed on 16.12.2019 at 9.00 in Dipartimento di Medicina interna e Specialità mediche (DIMI), Room Polleri, IV Floor, Viale Benedetto XV, no. 6, Genova.

The results of the qualification assessment as well as the names of the candidates admitted to the interview will be affixed on 16.12.2019 at 12.00 in Dipartimento di Medicina interna e Specialità mediche (DIMI), Room Polleri, IV Floor, Viale Benedetto XV, no. 6, Genova.

The interview will be held on 16.12.2019 at 15.00 in Dipartimento di Medicina interna e Specialità mediche (DIMI), Room Polleri, IV Floor, Viale Benedetto XV, no. 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. Diego FERONE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 19,367,00

Title: From bed to benchside: untangling the molecular mechanisms of disease progression in neuroendocrine neoplasms. FAITH IN DREAMS

Description: Neuroendocrine neoplasms (NENs) are a heterogeneous group of tumors developing from cells of the neuroendocrine system. Somatostatin analogs (SSAs) and mTOR inhibitor (everolimus) are recommended by international guidelines, although no standardized sequence is established and markers predicting the therapeutic response are missing. The project aims to study the different mechanisms underlying tumor progression and drug resistance in NENs. To achieve these goal, exome sequencing test will be performed on NEN samples of primary and metastatic site, before and during therapy with SSAs and everolimus. Furthermore, the role of T cells and macrophages in NENs progression and the effect of SSAs and everolimus, alone or in combination, on tumor infiltrating lymphocytes will be evaluated.

Scientific disciplinary sector: MED/13 ENDOCRINOLOGIA

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

Required degree: Specializzazione in Endocrinologia e Malattie del metabolismo

Subjects of the interview:
Key immunohistochemical features of neuroendocrine neoplasms (NENs); diagnosis and treatment of NENs; somatostatin receptor pathophysiology; SSA and mTOR biological mechanisms of action; establishment of NEN primary cultures; selection of lymphocytes by use of cytofluorimetry; different laboratory techniques (Western Blot, immunohistochemistry, immunometric assays).

The candidate will need to prove his/her knowledge of the english language.
The assessment criteria for the qualifications and the interview will be affixed on 10.01.2020 at 8.30 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sez. TEC, 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 10.01.2020 at 11.30 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sez. TEC, Via All’Opera Pia 15/A, Genova.

The interview will be held on 10.01.2020 at 12.00 in Dipartimento di Ingegneria Meccanica, Energetica, Gestionale e dei Trasporti (DIME), Sez. TEC, 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.

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. Corrado Schenone on the phone number +39 010 3352572 or via the email address: corrado.schenone@unige.it

Scientific coordinator: Prof. Corrado SCHENONE

NO. 1 research fellowship - Duration 1 year – Annual pre-tax amount: € 23,250,00

Title: Energy analysis of port facilities using Liquefied Natural Gas (LNG)

Description: The research grant concerns the energy analysis of the LNG (Liquefied Natural Gas) port area facilities, with reference to scenario analysis and integration with other port energy plants. Objectives of the research activity will be: 1) evaluation of the potential consumption of natural gas for ships’ fueling and the relative potentials of energy recovery in the area of incidence of the Maritime program; 2) evaluation of the potential consumption of natural gas for the refueling of land vehicles in the port area and of the relative potentials of energy recovery in the area of incidence of the Maritime program; 3) analysis of the possible integration with port energy networks and in particular with district cooling networks.

Scientific disciplinary sector: ING-IND/11 FISICA TECNICA AMBIENTALE

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

Required degree: Laurea V.O. in Ingegneria Meccanica, in Ingegneria Civile, Ingegneria per l’ambiente e il territorio; Laurea Specialistica delle classi 28/S Ingegneria civile, 36/S Ingegneria meccanica, 33/S Ingegneria energetica e nucleare, 38/S Ingegneria per l’ambiente e il territorio; Laurea Magistrale delle classi LM-23 Ingegneria civile, LM-33 Ingegneria meccanica, LM-30 Ingegneria energetica e nucleare, LM-35 Ingegneria per l’ambiente e il territorio

Subjects of the interview: LNG refuelling and regasification plants, modelling of energy systems, integrated energy networks.

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