
Art. 1
General provisions.

A public selection is called, based on qualifications and tests, for the awarding of grants for carrying out research activities (hereinafter referred to as research grants) at the University of Campania “Luigi Vanvitelli”, as per Annex A, which is an integral part of this decree.

The total duration of the relationships established pursuant to this notice of competition, including any renewals, conferred by different Bodies/Universities, may not in any case exceed six years, with the exception of the period in which the grant is used in conjunction with the PhD, up to the maximum legal duration of the relevant Course.

The renewal, upon request of the scientific lead (tutor), is subject to both the positive resolution of the Department Council concerned and the actual availability of funds.

This notice will be posted on the digital register of the University of Campania “Luigi Vanvitelli” and will be advertised by publication on the University's website: www.unicampania.it and the website of the MIUR.

The above mentioned posting has the value of notification for all legal purposes. Therefore, the candidates who have not been notified of their exclusion from the competition must undertake to be available at all times during the course of the competition on the day and at the time set out in Annex A, and must bring a valid identification document.

Candidates who are admitted to the interview will be contacted by the Selection Committee, on the indicated date and time, via Skype videoconferencing (or similar channels).

Art. 2
Economic, tax and social security treatment.

The gross amount of the research grant referred to in Annex A shall be paid in monthly instalments during the research activity and shall be net of charges borne by the granting administration. The social security deductions to be paid by the research fellow and the insurance premium for coverage against accidents and civil liability shall be applied to this amount.

The following provisions shall be applied to the grant: Article 4 of Law no. 476 of 13 August 1984, as well as, concerning social security matters, article 2 par. et seq. of Law no. 335 of 8 August 1995, as amended, concerning compulsory abstention due to maternity leave, decree of the Minister of Labour and Social Security of 12 July 2007, published in the Official Journal no. 247 of 23 October 2007, and, concerning sick leave, article 1, par. 788, of Law no. 296 of 27 December 2006, as amended.

Art. 3
Requirements for admission to the selection

Italian or foreign citizens may take part in the public selection referred to in this notice of competition, without any age or citizenship restrictions, if they are in possession of:

a) Master's/specialist degree or old-system degree and appropriate professional scientific curriculum;
b) Equivalent qualification obtained abroad and appropriate professional scientific curriculum. These admission requirements will be verified by the Examination Commission. Those who have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the structure where the grant is activated, or with the Rector, the General Manager or a member of the Board of Directors of the University, cannot participate in the selections. The requirements must be met, under penalty of exclusion, on the date of expiry of the deadline for submission of the application for selection. If the candidate is in possession of the qualification obtained abroad and the same has not been recognised as equivalent on the basis of international agreements or in the manner referred to in article 2 of Law no. 148 of 11 July 2002, the Examination Commission referred to in article 6 shall assess, solely for the purposes of participation in the public selection procedure, the conformity of the same with a similar qualification issued by Italian universities; to this end, the qualification must be translated, certified and provided with a declaration of value by the competent Italian diplomatic representations abroad. The aforementioned documentation must be annexed to the application form, in its absence the participant will be excluded. The grants cannot be given to employees of Universities and Public Research and Experimentation Institutions and Bodies, the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) or the Italian Space Agency (ASI), as well as institutions whose diploma of scientific specialisation has been recognised as equivalent to the title of PhD pursuant to Article 74, paragraph 4, of Presidential Decree no. 382 of 11 July 1980. The candidates are admitted with reservation to the selective procedure, the Administration may, at any time, with a justified decision, exclude them from the selection procedure for failure to meet the prescribed requirements.

Art. 4 Submission of applications

The application form, written on plain paper, must be addressed to the Head of the University Service Centre for Research of the University of Campania “Luigi Vanvitelli”, c/o Registry Office, Piazza Luigi Miraglia, Palazzo Bideri – 80138 NAPLES, ITALY. The applications must be sent, under penalty of exclusion, no later than 30 October 2020, by the following means:
- For Italian citizens, by Certified E-mail (PEC), to the following address: protocollo@pec.unicampania.it; In this regard, please note that only submissions made via personal pec and not via non-certified email or pec address of others shall be considered valid, under penalty of exclusion. It is required that the files to be annexed to the application message via PEC, are in pdf format.
- For foreign citizens, by E-mail, to the following address: ufficio.formazionericerca@unicampania.it; It is required that the files to be annexed to the application message via e-mail, are in pdf format.

The application form and the accompanying documents must also contain the applicant's personal details (name, surname and address) and the name of the competition in which the applicant intends to take part, including the scientific-disciplinary field. In the application, drawn up in duplicate in accordance with Annex 1, the applicant must declare, under his/her own responsibility and under penalty of exclusion:
1) surname and name, place and date of birth;
2) tax code;
3) citizenship;
4) residence;
5) the possession of the requisite provided for in art. 3 above, the indication of the university institution where it was obtained and the date of attainment;
6) not to be employed by: Universities and Public Research and Experimentation Institutions and Bodies, the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) or the Italian Space Agency (ASI), as well as institutions whose diploma of scientific specialisation has been recognised as equivalent to the title of PhD pursuant to Article 74, paragraph 4, of Presidential Decree no. 382 of 11 July 1980;
7) not to have a degree of kinship or affinity, up to and including the fourth degree, with a professor working in the Research Department or with the Rector, the General Manager or a member of the Board of Directors of the University;
8) the title of the research project, complete with the indication of the scientific-disciplinary field for which the applicant intends to participate, and the Scientific Lead;
9) the possible possession of qualifications of preference (PhD and/or medical specialisation accompanied by an adequate scientific production, indicating the course followed, the date of achievement, the grade and the University that issued it).

Candidates are also required to indicate the address where they wish to receive any communications relating to the competition and to undertake to communicate any changes that may occur at a later date.

Finally, the applicant may specify, in accordance with the provisions of art. 20, paragraph 2, of Law no. 104 of 5 February 1992, the necessary help in relation to his/her disability and the possible need for additional time.

In accordance with article 39 of Presidential Decree no. 445 of 28 December 2000, the signature of the application for participation in the competition is not subject to certification; the application must be personally signed by the candidate, under penalty of exclusion.

The following documentation must be annexed to the application:
- Declaration in lieu of certification, made pursuant to art. 46 of Presidential Decree no. 445 of 28 December 2000 (annex 2) concerning the possession of the qualification referred to in art. 3 with an indication of the grade obtained in the individual examinations, the grade obtained in the degree exam and the date on which the latter was taken;
- Detailed curriculum, related to scientific, academic and professional activity, under penalty of exclusion;
- Full PhD dissertation and/or abstracts, full university degree dissertation and/or abstracts;
- Possible publications, complete with identification data (authors, title, magazine/book, no. of pages, year of publication, Scopus ID and WOS);
- Any other qualification or document that the candidate deems appropriate to submit (certified copy) deemed suitable to prove his/her professional qualification, scientific production and research aptitude (specialisation diplomas, Masters, certificates of attendance at postgraduate courses, obtained in Italy or abroad, documented research activities at public and private entities with related contracts, scholarships or assignments, etc.. These documents and qualifications may also be submitted in English, French or Spanish and certified according to Italian law; they may be annexed to the application in digital format, provided they are self-certified;
- Copy of the Tax Code;
Numbered list drawn up (in accordance with Annex 4) and signed by the applicant, indicating all documents and qualifications submitted; there must be a correspondence between the number indicated on the list and the number on the annexed document.

Declaration of acknowledgement of the digital method for the interview/test (annex 5) complete with the required information.

For evaluation purposes, all the documents listed above must be sent together with the application for admission to the competition; in accordance with art. 19 of Presidential Decree no. 445 of 28 December 2000, the declaration of conformity to the original of copies of deeds and/or documents (annex 3), archived or issued by a Public Administration, a copy of a publication or a copy of study or service qualifications may be submitted in the ways and forms provided for in art. 47 of Presidential Decree no. 445 of 28 December 2000.

The Administration shall not be held responsible for any lack of communications due to the incorrect indication of the address by the applicant or failure or delay in communicating the change of address indicated in the application, nor for any postal or telegraphic mishandling, or in any case attributable to third parties, occurred by chance or due to force majeure.

Art. 5
Examination Commission
The Examination Commission is appointed by decree of the Rector and is composed of three members. The scientific lead of the research project is a member by right. The other two members must be selected from faculty and research staff, also from other Universities, engaged in the scientific-disciplinary field of the project or related fields.

The Examination Commission is chaired by the first level teacher, or in the absence of the latter by a second level teacher, with the longer seniority in the role.

The Examination Commission shall establish, at its first meeting, the criteria and procedures for the evaluation of qualifications within the requirements set out above.

The Commission shall draw up, based on the scores awarded, the final ranking of the public selection.

The Commission's judgement shall be final.

Art. 6
Selection
The selection will be based on qualifications and a test.

Candidates who are admitted to the interview will be contacted by the Selection Committee, on the indicated date and time, via Skype videoconferencing (or similar channels), subject to the verification of the candidate’s identity carried out through the submission of the colour original of the document previously annexed to the participation application.

The Commission has a maximum of 100 points available to be awarded to each applicant, broken down as follows:

- PhD dissertation: UP TO 10 POINTS
- University Decree dissertation: UP TO 15 POINTS
- Publications: UP TO 20 POINTS
- Other academic, scientific and professional qualifications suitable for carrying out the research activity: UP TO 15 POINTS
- Interview: UP TO 40 POINTS
The result of the evaluation of the qualifications shall be posted on the Department's Registry and published on the Department's website before the interview. Candidates who have obtained at least 30 points in the evaluation of their qualifications will be admitted to the interview.

Candidates who have obtained at least 25 points at the interview shall be considered eligible for the grant; the results of the interview shall be published on the website of the Department concerned.

For the purposes of the final ranking, the score obtained in the evaluation of the qualifications is added to the one obtained in the interview. Should there be candidates in this ranking having an equal score, the candidate with a PhD shall be preferred; in the event of further parity, the younger candidate shall be preferred.

In the event of the recipient’s renunciation or non-acceptance of the grant within the terms set forth in Art. 7 below or withdrawal by the grant holder, provided that the research is still current, the grant may be awarded to the applicant who has been found suitable according to the ranking order.

The ranking shall be approved by decree of the Rector and published on the page dedicated to Research Grants, on the University website.

The above publication is an official notification, therefore, no further individual notification will be sent to the winners.

Art. 7

Conclusion of private law contract and termination of the relationship.

The awarding of the grant shall be formalised with the conclusion of a private law contract between the University and the subject successfully part of the final ranking. The contract shall specify the duration and annual amount of the grant, the manner in which the activity is to be carried out and the number and frequency of periodic checks of the research activity carried out by the grant holder, incompatibilities, rights and obligations of the grant holder.

The winner shall be forfeited if the grant is not accepted within 30 days from the date of publication of the general merit ranking on the University website, in accordance with the preceding art. 6. Anyone who does not start the research activity within the contractual terms, who interrupts the activity without justification and who violates the provisions of art. 5 of the Regulation for the awarding of research grants shall also be forfeited. In such cases, the relationship shall be automatically terminated.

The operating procedures for the communication and signing of the contract shall be announced at the same time as the publication of the rankings, by means of a notice on the appropriate web page.

Research grants do not give rise to entitlements with respect to university staff roles.

The states, facts and personal qualities self-certified by the winner of this selection procedure shall be subject, by the University of Campania “Luigi Vanvitelli”, to appropriate checks, also on a sample basis, on the truthfulness of the same.

Art. 8

Duties, rights and obligations of the grant holders.

The grant holders shall carry out their research activity - not of merely technical support for the same - as part of the relevant programme to be carried out.

The research activity shall be continuous and in close connection with the implementation of the research activities that are the subject of the grant, shall be carried out in conditions of autonomy without mandatory working hours.
The grant holders, under penalty of termination of the relevant contract, are obliged to comply with the principles and duties set forth in Presidential Decree no. 62/2013 (code of conduct for civil servants) as far as compatible. Grant holders are entitled to use the facilities and equipment of the premises where they carry out their research activities in accordance with the rules in force in those premises. The research activity shall be carried out mainly inside these premises. If the activity must be carried out outside of those premises, it must be expressly authorised by the Research Lead and certified by the external structure. Holders of research grants relating to scientific disciplines in the medical-clinical area may carry out assistance activities exclusively in relation to the needs of the project or research programme and in the manner and within the limits provided for therein. The research activity shall be suspended during the period of compulsory abstention on grounds of maternity and illness duly proven, it being understood that the entire duration of the grant may not be reduced as a result of the above suspensions. A total period of justified absence not exceeding 30 days in a year shall not constitute a suspension and, consequently, shall not be added to the total duration.

Art. 9
Incompatibility
The grant is incompatible with employment relationships, including fixed-term employment, without prejudice to the possibility that the holder may be placed on unpaid leave for the entire duration of the contract, as provided for by Article 22, paragraph 3, of Law no. 240 of 30 December 2010. Grant holding is also incompatible with participation in undergraduate, postgraduate or specialisation courses, PhD courses with scholarship or medical specialisation. The grant holder shall be allowed to attend a PhD course without a scholarship. Grants may not be combined with other scholarships for any reason whatsoever, except for those awarded by national or foreign institutions to supplement, with stays abroad, the research activities of grant holders.

Art. 10
Processing of personal data
The personal data provided in relation to the participation in the competition will be processed in accordance with the principles of lawfulness, fairness, transparency, adequacy, relevance and necessity as per art. 5, paragraph of the GDPR (EU Regulation 2016/679). Such data will be processed exclusively for institutional purposes of the University and, in particular, for all the procedures related to the execution of this competition notice. The processing of the aforesaid data will be carried out by means of manual, computerised and digital instruments and with logic strictly related to the purposes of such processing and in any case in such a way as to guarantee the security and confidentiality of the data, in compliance with the principles set out in art. 5 of European Regulation 2016/679. In relation to the processing of the aforementioned data, the data subjects may exercise their rights under articles 15 to 22 of the aforementioned EU Regulation 2016/679. The Data Controller is the University of Campania “Luigi Vanvitelli”, in the person of the Magnifico Rettore pro-tempore, as the legal representative of the Institution; The Data Protection Manager for the University of Campania “Luigi Vanvitelli” is Mr Michele Mastroianni - email: rpd@unicampania.it; - PEC: rpd@pec.unicampania.it.
Art. 11
Organisational Unit Responsible for the Procedure:
Organisational Unit Responsible for the competition procedure: Research Training Office, Viale Ellittico 31 - 81100 Caserta - email ufficio.formazionericerca@unicampania.it.
Person responsible for the procedure: Dr. Michela Schettino

Art. 12
Final Provision
For all matters not provided for in this notice of competition, the rules contained in Law no. 240 of 30 December 2010 and in the current Regulations for the awarding of research grants shall apply.

A) Department of Architecture and Industrial Design

a1) No. 1 one-year grant of € 19.367,00.

Location of the research: Department of Architecture and Industrial Design;
Scientific Disciplinary Sector: IUS/10;
Tutor: Prof. Anton Giulio Pietrosanti;
Date, time of the interview: (By video conference) November 16, 2020, at 10:00 am;
Subject of the interview: Administrative law; Environmental law; Urban law.

a2) No. 1 one-year grant of € 19.367,00.

Research Title: “Advanced transdisciplinary manufacturing and parametric design for the contemporary design of wearables” funded under the “PostDigitalM.P.” RTD Project _Programma V: A.L.E.R.E. 2020;
Location of the research: Department of Architecture and Industrial Design;
Scientific Disciplinary Sector: ICAR/13;
Tutor: Prof. Chiara Scarpitti;
Date and time of the interview: (By video conference) November 16, 2020, at 11:00 am;
Subject of the interview: Advanced postdigital manufactures; 3D printing techniques for fashion; Parametric design; BioHacking; Digital Couture; BCI Interfaces.

a3) No. 1 one-year grant of € 19.367,00.

Location of the research: Department of Architecture and Industrial Design;
Scientific Disciplinary Sector: ICAR/20 – ICAR/21;
Tutor: Prof. Giuseppe Guida;
Date, time of the interview: (By video conference) November 11, 2020, at 11:00 am;
Subject of the interview: The urban problems related to industrial decommissioning and the main models of regeneration in Italy and Europe. The concept of eco-solution related to degraded, polluted and abandoned areas. Analysis, classification, and mapping of critical areas.
B) Department of General and Specialist Surgery for Women and Children;

b1) No. 1 one-year grant of € 19,367.00.

Research Title: “Computerised cardiotocographic monitoring in foetuses with premature preterm rupture of amniochorial membranes” funded under the “COCA-PROM” RTD project _Programma V: A.L.E.R.E. 2020;

Location of the research: Department of General and Specialist Surgery for Women and Children;

Scientific Disciplinary Sector: MED/40 – BIO/06;

Tutor: Prof. Maddalena Morlando;

Date and time of the interview: (By video conference) November 16, 2020, at 09:00 am;

Subject of the interview: Premature rupture of amniochorial membranes; Cardiotocography; Chorioamnionitis; Preterm birth.

C) Department of Economics

c1) No. 1 one-year grant of € 19,367.00.

Research Title: “NoSMoGs – Sharing mobility, environmental goals and sustainability” funded under the “NoSMoGs” RTD project _Programma V: A.L.E.R.E. 2020;

Location of the research: Department of Economics;

Scientific Disciplinary Sector: IUS/01;

Tutor: Prof. Maria Antonia Ciocia;

Date and time of the interview: (By video conference) November 11, 2020, at 10:00 am;

Subject of the interview: Sharing economy, environment, personal protection, enterprise and transpose contracts, consumer protection.

D) Law Department

d1) No. 1 one-year grant of € 19,367.00.

Research Title: “Lobbing and types of crime. Structural Profiles” financed under the intra/University “RULEPART” competition project - Programma Valere 2019;

Location of the research: Law Department;

Scientific Disciplinary Sector: IUS/21;

Tutor: Prof. Vincenzo De Falco;

Date and time of the interview: (By video conference) November 13, 2020, at 11: 00 am;

Subject of the interview: The function of lobbies in comparative law and the specific types of crime between public and criminal law.

d2) No. 1 one-year grant of € 19,367.00.

Research Title: “Human safety at sea and in cyberspace” funded under the “Protecting human security” RTD project _Programma V: A.L.E.R.E. 2020;

Location of the research: Law Department;

Scientific Disciplinary Sector: IUS/13;

Tutor: Prof. Giorgia Bevilacqua;

Date and time of the interview: (By video conference) November 11, 2020, at 10:00 am;
**Subject of the interview:** Subjects of international law; Exercise of functional powers at sea; Extraterritorial jurisdiction; Responsibilities of the states; Crime at sea; Cybercrimes; Freedom of the high seas; Right to oblivion; Freedom of expression and privacy online.

**E) Department of Engineering**

**e1) No. 1 three-year grant of € 20.355,00 per year.**

**Research Title:** “Nanofluids: Smart Materials for Energy and Environment” funded under the Programma Valere Plus 2018 and Programma Valere 2019;
**Location of the research:** Department of Engineering;
**Scientific Disciplinary Sector:** ING-IND/24;
**Tutor:** Prof. Mario Minale;
**Date and time of the interview:** (By video conference) November 12, 2020, at 03:00 pm;
**Subject of the interview:** Nanofluids; Core-shell nanoparticles; Asphalt oils, waxy crude oils; Rheology; Newtonian and non-Newtonian fluids.

**e2) No. 1 one-year grant of € 19.367,00.**

**Research Title:** “Analysis of the dynamic foundation-ground interaction in seismic conditions” funded under the “P.A.S.S.E.R.A.” RTD project, Programma V: A.L.E.R.E. 2020
**Location of the research:** Department of Engineering;
**Scientific Disciplinary Sector:** ICAR/07;
**Tutor:** Prof. Raffaele Di Laora;
**Date and time of the interview:** (By video conference) November 11, 2020, at 10:00 am;
**Subject of the interview:** Local seismic response; Stake-to-ground kinematic interaction; Structure foundation interaction in the dynamic field.

**e3) No. 1 one-year grant of € 20.354,99.**

**Research Title:** “Methods, models, technologies and best practices for planning and managing networks and transport services in conditions of natural disasters and unforeseen events” funded as part of the intra/University “SEND” competition project – Programma Valere 2019;
**Location of the research:** Department of Engineering;
**Scientific Disciplinary Sector:** ICAR/05;
**Tutor:** Prof. Armando Cartenì;
**Date and time of the interview:** (By video conference) November 13, 2020, at 10:00 am;
**Subject of the interview:** Transport system planning; Methods and models for simulating transport systems; technologies for the sustainable development of mobile networks and services.

**e4) No. 1 one-year grant of € 19.367,00.**

**Research Title:** “Development of a platform consisting of sensor network, acquisition unit and software for data processing, for monitoring structures” funded as part of the intra/University “STRAIN” competition project – Programma Valere 2019;
**Location of the research:** Department of Engineering;
**Scientific Disciplinary Sector:** ICAR/08;
**Tutor:** Prof. Eugenio Ruocco;
**Date and time of the interview:** (By video conference) November 12, 2020, at 10:00 am;
Subject of the interview: Structural engineering concepts and methods; Building monitoring; Structural modelling of buildings; Structural reinforcement techniques.

e5) No. 1 one-year grant of € 20.355,00.

Research Title: “Applying Machine Learning Techniques for Mobile Platform Communications” Funded as part of the intra/University “SEEM” competition project – Programma Valere 2019;
Location of the research: Department of Engineering;
Scientific Disciplinary Sector: ING-INF/03;
Tutor: Prof. Francesco Palmieri;
Date and time of the interview: (By video conference) November 11, 2020, at 01:30 pm;
Subject of the interview: Fundamentals and software tools for telecommunication systems and machine learning.

e6) No. 1 one-year grant of € 20.355,00.

Research Title: “Models, Semantic Methodologies and Techniques and Machine Learning for the Representation, Discovery, Analysis and Automated Optimization of Business Processes” funded as part of the intra/University “SSCeGoV” competition project – Programma Valere 2019;
Location of the research: Department of Engineering;
Scientific Disciplinary Sector: ING-INF/05;
Tutor: Prof. Beniamino Di Martino;
Date and time of the interview: (By video conference) November 13, 2020, at 09:30 am;

e7) No. 1 one-year grant of € 20.355,00.

Research Title: “Representation, Discovery, Analysis and Automated Optimization of Business Processes through Models, Semantic Methodologies and Techniques and Machine Learning” funded as part of the intra/University “SSCeGoV” competition project – Programma Valere 2019;
Location of the research: Department of Engineering;
Scientific Disciplinary Sector: ING-INF/05;
Tutor: Prof. Beniamino Di Martino;
Date and time of the interview: (By video conference) November 13, 2020, at 10:30 am;

e8) No. 1 one-year grant of € 19.367,00.

Research Title: “X-reality systems for risk assessment” funded as part of the intra/University “SCISSOR” competition project– Programma Valere 2019;
Location of the research: Department of Engineering;
Scientific Disciplinary Sector: ING-IND/17;  
Tutor: Prof. Marcello Fera;  
Date and time of the interview: (By video conference) November 16, 2020, at 10:30 am;  
Subject of the interview: Risk assessment methods; Analytic Hierarchy Process; Ergonomics; Physical risks; discrete event simulation (D.E.S.).

e9) No. 1 one-year grant of € 20.355,00.

Research Title: “Design and modelling of virtual environments for product and process engineering” funded as part of the intra/University “SCISSOR” competition project – Programma Valere 2019;  
Location of the research: Department of Engineering;  
Scientific Disciplinary Sector: ING-IND/14;  
Tutor: Prof. Francesco Caputo;  
Date and time of the interview: (By video conference) November 12, 2020, at 11:00 am;  
Subject of the interview: Industrial and CAD design; Virtual Prototyping; Machine Design and Construction; Computational mechanics.

F) Department of Humanities and Cultural Heritage

f1) No. 1 one-year grant of € 19.367,00.

Research Title: “Codicological and paleographic description of the illuminated manuscripts of the Divine Comedy (corpus IDP – Illuminated Dante Project)” funded as part of the intra/University “IDP 2.0” competition project - Programma Valere 2019;  
Location of the research: Department of Humanities and Cultural Heritage;  
Scientific Disciplinary Sector: L-FIL-LET/13;  
Tutor: Prof. Ciro Perna;  
Date and time of the interview: (By video conference) November 11, 2020, at 10:30 am;  
Subject of the interview: Problems of codicology and palaeography of 13th and 14th-century manuscripts, with a focus on Dante’s works.

f2) No. 1 one-year grant of € 20.355,00.

Research Title: “The Diocese of Capua in the Lower Middle Ages” financed under the intra/University competition project “Programme Valere 2019”;  
Location of the research: Department of Humanities and Cultural Heritage;  
Scientific Disciplinary Sector: MSTO/01;  
Tutor: Prof. Serena Morelli;  
Date and time of the interview: (By video conference) November 11, 2020, at 12:00 pm;  
Subject of the interview: Methods, sources and historiography on the proposed topic.

G) Department of Mathematics and Physics

g1) No. 1 one-year grant of € 19.367,00.

Location of the research: Department of Mathematics and Physics;
Scientific Disciplinary Sector: MAT/03;  
Tutor: Prof. Giovanni Zini;  
Date and time of the interview: (By video conference) November 11, 2020, at 03:00 pm;  
Subject of the interview: General aspects of linear code theory and their cryptographic applications.

g2) No. 1 one-year grant of € 19.367,00.

Research Title: “Verification of CO2 fossil emissions from heaters and other industrial plants” funded under the “C.A.F.F.E.” RTD project_Programma V: A.L.E.R.E. 2020;  
Location of the research: Department of Mathematics and Physics;  
Scientific Disciplinary Sector: FIS/07;  
Tutor: Prof. Mauro Rubino;  
Date and time of the interview: (By video conference) November 11, 2020, at 03:00 pm;  
Subject of the interview: Measures of isotopic relationships; Air samples for CO2 analysis; Preparation of samples for measurements of 14C.

g3) No. 1 one-year grant of € 19.367,00.

Research Title: “Applications of homomorphic encryption to clinical decision support systems” funded under the “HELM” RTD Project_Programma V: A.L.E.R.E. 2020;  
Location of the research: Department of Mathematics and Physics;  
Scientific Disciplinary Sector: ING-INF/05;  
Tutor: Prof. Emanuele Bellini;  
Date and time of the interview: (By video conference) November 11, 2020, at 03:00 pm;  
Subject of the interview: Neural Networks, Encryption, Computer Architecture and their applications.

g4) No. 1 one-year grant of € 19.367,00.

Research Title: “Mathematical learning interfaces in computer-based environments” funded under the “LIME” RTD project_Programma V: A.L.E.R.E. 2020;  
Location of the research: Department of Mathematics and Physics;  
Scientific Disciplinary Sector: MAT/04;  
Tutor: Prof. Umberto Dello Iacono;  
Date and time of the interview: (By video conference) November 12, 2020, at 05:00 pm;  
Subject of the interview: E-learning platforms for learning mathematics, computer-based collaborative scripts, software architectures and programming paradigms, human-machine interfaces.

g5) No. 1 one-year grant of € 21.000,00.

Research Title: “Visual programming environments for geometry learning” funded as part of the intra/University “GOAL” competition project - Programma Valere 2019;  
Location of the research: Department of Mathematics and Physics;  
Scientific Disciplinary Sector: MAT/04;  
Tutor: Prof. Umberto Dello Iacono;  
Date and time of the interview: (By video conference) November 13, 2020, at 05:00 pm;
Subject of the interview: Programming environments for learning mathematics, manipulating mathematical objects in visual programming environments.

H) Department of Precision Medicine

h1) No. 1 one-year grant of € 20,354,99.

Research Title: “Milk and lipid profile in colorectal cancer” funded under the “LIPoPRO” RTD project_Programma V: A.L.E.R.E. 2020;
Location of the research: Department of Precision Medicine;
Scientific Disciplinary Sector: BIO/10;
Tutor: Prof. Amalia Luce;
Date and time of the interview: (By video conference) November 12, 2020, at 11:00 am;
Subject of the interview: Techniques of biochemistry and molecular biology for the evaluation of cell proliferation, cell cycle, modulation of inflammation and mechanisms of cell death (apoptosis, autophagy and senescence); structural characterisation of lipids by mass spectrometry; bioinformatics approaches for lipidomic analysis; assessment of English proficiency.

h2) No. 1 one-year grant of € 20,345,99.

Research Title: “MiRNA transmitting nanoparticles directed against MGMT and HMGA1/2 as a new therapeutic strategy to overcome chemoresistance to glioblastomas” funded under the “NanomiR” RTD project_Programma V: A.L.E.R.E. 2020;
Location of the research: Department of Precision Medicine;
Scientific Disciplinary Sector: BIO/10;
Tutor: Prof. Silvia Zappavigna;
Date and time of the interview: (By video conference) November 12, 2020, at 02:00 pm;
Subject of the interview: Biological relevance of non-coding R.N.A., miRNA and IncRNA, in tumour transformation and development processes, with particular reference to glioblastoma; MiRNA expression detection techniques through low-density array methodologies; Cellular transfection techniques, functional assays, pull-down assays, immunoprecipitation (R.N.A., Chromatin); Mechanisms of programmed cell death (apoptosis, autophagy and senescence) and related detection techniques; In silico analysis using bioinformatics tools.

I) Department of Psychology

i1) No. 1 one-year grant of € 19,367,00.

Research Title: “Computational processing of video audio and writing signals to automatically detect depressive disorders” funded as part of the intra/University “Androids” competition project Programma Valere 2019;
Location of the research: Department of Psychology;
Scientific Disciplinary Sector: INF/01;
Tutor: Prof. Anna Esposito;
Date and time of the interview: (By video conference) November 11, 2020, at 11:30 am;
Subject of the interview: “Neural basis of emotions, affective-emotional response assessment systems through psychophysiological methods, depression disorders, depressive characteristics in voice, handwriting and behaviour, and computational methods for their treatment.
L) Department of Mental Health and Physics and Preventive Medicine

I1) No. 1 one-year grant of € 21,100,00.

Research Title: “Interrelation between inflammation, physical symptoms, mental symptoms and quality of life in people with chronic inflammatory physical illnesses” funded under the intra/University “InflaMent” competition project - Programme Valere 2019;
Location of the research: Department of Mental and Physical Health and Preventive Medicine.
Scientific Disciplinary Sector: MED/17;
Tutor: Prof. Paolo Maggi;
Date, time of the interview: (By video conference) November 16, 2020, at 03:00 pm;
Subject of the interview: Chronic viral infections (HBV, HCV, H.I.V.); Epidemiological, virological and pathogenic characteristics; chronic inflammation markers.

M) Department of Advanced Medical and Surgical Sciences

m1) No. 1 one-year grant of € 20,355,00.

Research Title: “Effects of metformin and DPP4-I in ageing: multimodal analysis of clinical, epigenetic and instrumental data (M.R.I. 3 tesla) for the evaluation of cognitive functions and neurobiological processes” financed within the intra/University “Magic Emotion” competition project Programma Valere 2019;
Location of the research: Department of Advanced Medical and Surgical Sciences
Scientific Disciplinary Sector: ING-INF/06;
Tutor: Prof. Mario Cirillo;
Date and time of the interview: (By video conference) November 13, 2020, at 02:30 pm;
Subject of the interview: Participation experience in research groups and/or clinical trials concerning the study of neurodegeneration mechanisms via structural and functional magnetic resonance imaging; Ability and expertise in the development and testing of ad hoc hardware and software solutions for the acquisition and analysis of neuroimages using advanced magnetic resonance imaging techniques; Expert use of specific Magnetic Resonance data processing programs (e.g. S.P.M., F.S.L., BrainVoyager, etc...); Programming capabilities in a scientific software environment (e.g. Matlab and/or Python).

N) Department of Experimental Medicine

n1) No. 1 one-year grant of € 20,354,99.

Research Title: “Impact of the delegation of the CB1 gene on mitochondrial activity and pathways” funded under the intra/University “ICOM” Competition Project - Programme Valere 2019;
Location of the research: Department of Experimental Medicine;
Scientific Disciplinary Sector: BIO/13;
Tutor: Prof. Gilda Cobellis;
Date and time of the interview: (By video conference) November 16, 2020, at 10:00 am;
Subject of the interview: The use of animal knockout models for experimentation; Composition of the endocannabinoid system, with particular attention to the mechanisms of action activated by the CB1 receptor; Role of non-coding R.N.A.s in testicular physiology and sperm function.
n2) No. 1 one-year grant of € 19.367,00.

Research Title: “Applications of FT-IR spectroscopy for the development of an experimental protocol for the study of polyphenolic compounds and their interactions” funded as part of the intra/University “HEAD-ON” competition project Programma Valere 2019;
Location of the research: Department of Experimental Medicine;
Scientific Disciplinary Sector: FIS/07;
Tutor: Prof. Maria Lepore;
Date and time of the interview: (By video conference) November 12, 2020, at 10:30 am;
Subject of the interview: Properties of polyphenolic compounds and their interaction with amyloid proteins; Characteristics of compounds extracted from hemp and their role in the prevention and treatment of neurodegenerative diseases; FT-IR spectroscopy: operating principles and major applications for biochemical characterisation of biotechnological interest samples.

O) Department of Translational Medical Sciences

o1) No. 1 one-year grant of € 20.355,00.

Research Title: “Isolation, identification and functional analysis of the transcriptome and platelet proteome during in vitro and in vivo activation - 1” funded as part of the intra/University “MultiOMICS” competition project Programma Valere 2019;
Location of the research: Department of Translational Medical Sciences;
Scientific Disciplinary Sector: MED/11;
Tutor: Prof. Claudio Cimmino;
Date and time of the interview: (By video conference) November 11, 2020, at 09:00 am;
Subject of the interview: Formation mechanisms of atherosclerosis; Plate physiology and activation mechanisms (ligands and surface receptors, intracellular pathways); Techniques of isolation and analysis of the transcriptome and platelet proteome; Platelet/Endothelium interaction mechanisms.

o2) No. 1 one-year grant of € 20.355,00.

Research Title: “Isolation, identification and functional analysis of the transcriptome and platelet proteome during in vitro and in vivo activation - 2” funded as part of the intra/University “MultiOMICS” competition project Programma Valere 2019;
Location of the research: Department of Translational Medical Sciences;
Scientific Disciplinary Sector: MED/11;
Tutor: Prof. Claudio Cimmino;
Date and time of the interview: (By video conference) November 11, 2020, at 11:00 am;
Subject of the interview: Formation mechanisms of atherosclerosis; Plate physiology and activation mechanisms (ligands and surface receptors, intracellular pathways); Techniques of isolation and analysis of the transcriptome and platelet proteome; Platelet/Endothelium interaction mechanisms.

o3) No. 1 one-year grant of € 32.567,85.

Research Title: “Use of fluorescence-driven surgery in multimodal treatment of peritoneal colorectal cancer” funded as part of the intra/University “Valere Molto” competition project Programma Valere 2019
Location of the research: Department of Translational Medical Sciences;  
Scientific Disciplinary Sector: MED/18;  
Tutor: Prof. Gennaro Galizia;  
Date and time of the interview: (By video conference) November 13, 2020, at 09:00 am;  
Subject of the interview: The physiopathological basis of peritoneal carcinosis from gastrointestinal tumours and especially from colorectal cancers; diagnosis and treatment of peritoneal carcinosis with particular regard to participation in cytoreductive surgery and intraperitoneal chemotherapy; Experience in the use of technology dedicated to the use of fluorescence; experience participating in research groups.

o4) No. 1 three-year grant of € 20.355,00 per year.

Research Title: “The fluorescence-driven surgery with indocyanine green in the treatment of primitive and secondary liver tumours” funded as part of the intra/University “Valere Molto” Competition project Programma Valere 2019;  
Location of the research: Department of Translational Medical Sciences;  
Scientific Disciplinary Sector: MED/18;  
Tutor: Prof. Gennaro Galizia;  
Date and time of the interview: (By video conference) November 13, 2020, at 11:00 am;  
Subject of the interview: The physiopathological basis of primitive and secondary liver cancers; Diagnosis and treatment of liver cancers with particular regard to participation in liver resection surgery and percutaneous or intraoperative ablation; Experience in the use of technology dedicated to the use of fluorescence; Experience participating in research groups.

P) Department of Political Science “Jean Monnet”

p1) No. 1 one-year grant of € 19.367,00.

Research Title: “The strategic role of the integrated budget in the public sector” funded under the “STRIP” RTD project Programma V: A.L.E.R.E. 2020;  
Location of the research: Department of Political Science “Jean Monnet”;  
Scientific Disciplinary Sector: SECS-P/07;  
Tutor: Prof. Serena Santis;  
Date and time of the interview: (By video conference) November 11, 2020, at 10.30 am;  
Subject of the interview: Financial and non-financial reporting: principles, functions and regulations.