







#### THE RECTOR

**Given** the Law n. 168, dated 9.05.1989 establishing the Ministry of University and Technological and Scientific Research;

**Given** the Law n. 241, dated 7.08.1990, related to the new rules for the administrative procedures and the right of access to the administrative documents, as emended and revised;

**Given** the Law 05.02.1992, n. 104 on the assistance, social integration and the rights of persons with disabilities including general rules on socio-economic inclusion of persons with disabilities:

Given the D.P.R. (Decree of the President of the Italian Republic) 09.05.1994, n. 487, concerning the rules on access to the employment in the public administrations and on the procedures for managing competitions, unique competitions and other forms of recruitment in the Public employment as emended and revised by the Presidential Decree 30.10.1996 n. 693;

**Given** the D.M. (Ministerial Decree) 3.11.1999, n. 509, "Regulation laying down rules on the education and didactic autonomy of the Universities and the following D.M. 22.10.2014 n.270;

**Given** the D.P.R. (Decree of the President of the Italian Republic) 28.12.2000, n. 445, Consolidated Act of the regulations and legislative provisions regarding the administrative documents as subsequently amended:

Given the D.P.R. (Decree of the President of the Italian Republic) 23.03.2000 n. 117 and following revisions and amendments;

Given the D.Lgs.(Legislative Decree) 30.03.2001, n. 165 and following revisions and amendments;

**Given** the D.Lgs.(Legislative Decree) 30.06.2003, n. 196, on the protection of natural persons with regard to the processing of personal data and on the free movement of such data;

Given the Law 15.04.2004, n. 106, Rules concerning the legal deposit of documents of cultural interest for public use"; the D.P.R. (Decree of the President of the Italian Republic) 11.02.2005, n. 68 Regulation containing provisions for the use of certified electronic mail, pursuant to art. 27 of the Law of 16 January 2003, n. 3

Given the D.Lgs.(Legislative Decree) 07.03.2005, n. 82, Digital Administration Code as amended;

**Given** the D.Lgs.(Legislative Decree) n. 198, 11.04.2006 "Code of equal opportunities between men and women, pursuant to art 6 of Law No. 246, 28.11.2005, n. 246", as amended;

**Given** the D.P.R. (Decree of the President of the Italian Republic) dated 3rd May 2006, n. 252 Regulation containing rules on deposit of documents of cultural interest for public use";

Given the Decree of the Ministry for Cultural Heritage and Activities dated 28.12.2007 "Identification of the depository institutions of the documents of editorial production, identified in each autonomous region and province, implementing the art. 4, paragraph 1 of the Decree of the President of the Republic 3 May 2006 n. 252 ";

**Given** the Law n. 1 dated 9.01.2009 modifying the L.D. (D.L) dated 10.11.2008, n. 180 containing urgent provisions for the right to study, the enhancement of merit and the quality of the university and research system;

Given the Law of 30.12.2010, n. 240, relating to the "Regulations on the organization of Universities, academic staff and recruitment, as well as the mandate to the Government to encourage the quality and efficiency of the university system" and in particular the art. 24 as amended and revised;

Given the D.M. (Ministerial Decree) 25.05.2011, n. 243 identifying the criteria for the prior assessment of candidates for the contracts pursuant to art. 24 of the abovementioned Law no. 240/2010;

Given the Law 02.11.2011, n. 183 and in particular the article 15 identifying rules and procedures on the certificates and substitutive declarations and the banning of introducing additional requirements, in the reception of EU Directives, compared to those already foreseen in the Directives;

Given the Law Decree (D.L.) 09.02.2012 n.5 confirmed in Law n. 35 del 04.04.2012 laying down urgent provisions on simplification and development;

Given the D.Lgs.(Legislative decree) 14.03.2013, n. 33 "Restructuring of regulations concerning the duties of publicity, transparency and information's dissemination in charge of the Public administrations, as subsequently amended;

**Given** the D.L. (Law Decree) 21.06.2013, n. 69, laying down dispositions on the economy balance sheet that cancelled rules and procedures related to the submission's duty of the certificates, stating the work psychophysical suitability, as subsequently amended;

Given the Law n, 97 dated 6th August 2013 and the article 7 modifying the art 38 of the D.Lgs n. 165/2001;

Given the Ethics Code issued by the University of Palermo with the D.R (Rector's Decree) n. 2741, dated 18.07.2014 as revised with the D.R. 1693, dated 13.05.2019;

**Given** the D.M. (Ministerial Decree) dated 30.10.2015 n. 855, laying down dispositions on the planning of macro-sectors and competition' sectors

**Given** the D.M. (Ministerial Decree) 01.09.2016, n. 662 defining the table of correspondence between the Italian and foreign academic positions, as amended with the D.M. 01.06.2017 n. 372;

**Given** the Decision n. 132 dated 13.09.2016 issued by the Board of ANVUR;

Given the E.U. Regulation n. 679/2016;

**Given** the Regulation for the recruitment of temporary researchers" issued by the University of Palermo with the D.R n. 1695 dated 13th May 2019;



Given







AREA RISORSE UMANE Settore Reclutamento e Selezioni

Given the Legislative Decree, n.34 dated 19th May 2020, converted in Law n. 77 dated 17th July 2020 and in particular the art. 247, 248 e 249;

**Given** the Ministerial Decree n. 737 dated 25<sup>th</sup> June 2021 and in particular art. 2 – section 1;

the Ministerial Decree n. 1062 dated 10<sup>th</sup> August 2021 with which the Ministry of University and Research, in implementation of the National Operational Program (PON) Research and Innovation 2014-2020, shared the ESF-REACT EU resources among the Universities, for funding contracts for fixed-term researcher paragraph 3 letter a), art. 24 - Law 240 of 30.12.2010, under the scheme of Axis IV "Education and research for recovery" - Action IV.4 - "Doctorates and research contracts on innovation topics" and Action IV.6 - "Contracts research on Green issues":

**Given** the Specifications document for implementation issued along with the above-mentioned Decree n. 1062/2021, and in particular art. 3 paragraph 3;

**Given** the MUR official communication dated 8<sup>th</sup> September 2021 n. 12025;

Given the resolutions issued by the Departments of Cultures and Societies; Architecture; Biomedicine, Neurosciences and Advanced Diagnostics; Surgical, Oncological and Oral Sciences; Physics and Chemistry; Law; Engineering; Mathematics and Computer Sciences; Health Promotion, Mother-Child Care, Internal Medicine and Medical Specialties of Excellence "G. D'Alessandro"; Agricultural, Food and Forest Sciences; Earth and Marine Sciences; Biological, Chemical and Pharmaceutical Sciences and Technologies; Economics, Business and Statistics Sciences; Psychological, Pedagogical, Physical Exercise and Human Movement Sciences: Humanities;

the resolutions n. 05.01 dated 14<sup>th</sup> Sept. 2021 and n. 10.11 dated 4<sup>th</sup> Oct. 2021, issued by the Board of Directors approving the launch of this public call for recruiting 48 Researchers under the funding scheme - Axis IV.4 Doctorates and research contracts on innovation topics", after having acquired the Academic Senates' positive advice (resolution n. 07.02 dated 29<sup>th</sup> Sept. 2021);

**Having** considered that those vacancies costs are fully covered under the funding program *PON Research and Innovation* fund 2014 - 2020 until 31<sup>st</sup> December 2023 and under the workforce planning funds, assigned for each Department after the above mentioned period;

# DECREES Art. 1 Scope of the public selection

The University of Palermo has launched a public selection, by qualifications and public interview, for recruiting 48 (forty-eight) Researchers with a fixed-term - full-time employment, pursuant to the art. 24 paragraph 3 letter a) of the Law n. 240/2010, in execution of the National Operational Program (PON) Research and Innovation 2014-2020 (DM 1062 – 10<sup>th</sup> august 2021) - Action IV.4 - "Doctorates and research contracts on innovation topics", at the Department's main headquarters and for the scientific sectors, as described below:

The researchers will be employed for a period of 36 months with a full-time fixed term contract, renewable for other 2 years and only once, after a positive assessment of the implemented and developed activities, pursuant to the D.M. 242/2011 and after having verified the required funding resources and according to the available workforces.

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF CULTURES AND SOCIETIES

- Italian National University Council (CUN) Field: 10
- Italian Competition Sector S.C. 10/A1 Archaeology
- Italian Didactic Scientific Sector S.S.D. L-ANT/04 Numismatics;
- Research proposal: NUMMI DIGITALI: innovative approaches for the knowledge, management and enhancement of the numismatic heritage of the Regional Archaeological Museum "A. Salinas" of Palermo
- Duty station Siege of the research activities: Department of Cultures and Societies;
- Siege of Didactic activities: Department of Cultures and Societies;
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Digitarca s.r.l.s., Mola di Bari (BA.
- Italian National University Council (CUN) Field: 11
- Italian Competition Sector S.C. 11/A4 Books Sciences and documentation and Historic Religious Sciences;
- Italian Didactic Scientific Sector S.S.D. M-STO/08 Archivists, Bibliography and Librarianship Sciences;
- Research proposal: Digital archive and enhancement of the company heritage: the Tasca d'Almerita winery
- Duty station Siege of the research activities: Department of Cultures and Societies;
- Siege of Didactic activities: Department of Cultures and Societies;
- Max number of publications: 12









- Foreign language Knowledge: English
- Company's' working months: 12 at Conte Tasca d'Almerita Soc. Agr. a R.L., Sclafani Bagni (PA).
- Italian National University Council (CUN) Field: 11
- Italian Competition Sector S.C. 11/C4 Aesthetics and Languages Philosophy;
- Italian Didactic Scientific Sector S.S.D. M-FIL/05 Languages Philosophy and Theory;
- Research proposal: Languages of Virtual Reality: Perception and Narration of Immersive Dimension
- Duty station Siege of the research activities: Department of Cultures and Societies;
- Siege of Didactic activities: Department of Cultures and Societies;
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Sylphe Labs S.r.L., Palermo
- Italian National University Council (CUN) Field: 14
- Italian Competition Sector S.C. 14/C1 General Sociology
- Italian Didactic Scientific Sector S.S.D. SPS/07 General Sociology
- Research proposal: Educational Commons and Digital Commons to face the inequalities and to promote digital citizenship for Reversing Inequalities and promoting Digital Citizenship
- Duty station Siege of the research activities: Department of Cultures and Societies;
- Siege of Didactic activities: Department of Cultures and Societies;
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 8 at Associazione Inventare Insieme, Palermo 4 months at Caritas Diocesana di Agrigento;
- Period abroad: 6 months at Tallinn University of technology- Estonia and Panepistimio Thessalias, Volos, Grecia;
   P2P Lab Research, Greece

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF ARCHITECTURE

- Italian National University Council (CUN) Field: 08
- Italian Competition Sector S.C. 08/C1 Design and Technological Engineering of the Architecture;
- Italian Didactic Scientific Sector S.S.D. ICAR/13 Industrial Design
- Research proposal: Patrimoni Connessi: Digital transition and design for the enhancement of cultural heritage, human capital and social capital
- Duty station Siege of the research activities: Department of Architecture
- Siege of Didactic activities: Department of Architecture;
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at NEU scarl, Palermo
- Period abroad: 6 at SUPSi, Mendrisio Switzerland
- Italian National University Council (CUN) Field: 08
- Italian Competition Sector S.C. 08/E1 Design
- Italian Didactic Scientific Sector S.S.D. ICAR/17 Design
- Research proposal: Digital techniques for the creation of an open access 3D web repository of Liberty in Sicily;
- Duty station Siege of the research activities: Department of Architecture
- Siege of Didactic activities: Department of Architecture;
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Naos Consulting, Baronissi (SA
- Period abroad: 6 months at Unité Mixte de Recherche 3495, Modèles et simulations pour l'Architecture et le Patrimoine (UMR MAP) Centre National de la Recherche Scientifique, Ministère de la Culture, Marseille

# Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF BIOMEDICINE, NEUROSCIENCES AND ADVANCED DIAGNOSTICS

- Italian National University Council (CUN) Field: 05
- Italian Competition Sector S.C. 05/E3- Clinical Biochemistry and Clinical Molecular Biochemistry
- Italian Didactic Scientific Sector S.S.D. BIO/12 Clinical Biochemistry and Clinical Molecular Biochemistry









- Research proposal: Saliva as an innovative biological matrix for the study of biomarkers in patients with Alzheimer's disease: from screening, diagnosis, prognosis and monitoring of the disease and therapy.
- Duty station Siege of the research activities: Department of Biomedicine, Neurosciences and Advanced Diagnostics
- Siege of Didactic activities: School of Medicine and Surgery;
- Max number of publications: 15
- Foreign language Knowledge: English
- Company's' working months: 6 at Fujirebio Italia S.r.l. Pomezia (RM).
- Italian National University Council (CUN) Field: 06
- Italian Competition Sector S.C. 06/I1 Diagnostic Imaging, Radiotherapy and Neuroradiology
- Italian Didactic Scientific sector SSD: MED/36 Diagnostic Imaging, Radiotherapy
- Research proposal: Innovative applications of quantitative imaging and radionics to hepatic-biliary-pancreatic lacerations.
- Duty station Siege of the research activities: Department of Biomedicine, Neurosciences and Advanced Diagnostics
- Siege of Didactic activities School of Medicine and Surgery;
- Max number of publications: 15
- Foreign language Knowledge: English
- Company's' working months: 6 at Siemens Healthcare S.r.l.
- Period abroad: 6 at Hopitaux Universitaries Paris Nord Val de Seine, Hospital Beaujon AP-HP France
- Italian National University Council (CUN) Field: 06
- Italian Competition Sector S.C. 06/D6 Neurology
- Italian Didactic Scientific sector SSD: MED/26 Neurology
- Research proposal: Research and development of new biomarkers and multi-organ damage assessment methods for the early genetic diagnosis and follow-up of hereditary transthyretin amyloid polyneuropathy (hATTR).
- Duty station Siege of the research activities: Department of Biomedicine, Neurosciences and Advanced Diagnostics
- Siege of Didactic activities School of Medicine and Surgery;
- Max number of publications: 15
- Foreign language Knowledge: English
- Company's' working months: 6 at Demetrics S.r.l. Palermo

## Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF SURGICAL, ONCOLOGICAL AND ORAL SCIENCES

- Italian National University Council (CUN) Field: 06
- Italian Competition Sector S.C. 06/C1 General Surgery
- Italian Didactic Scientific sector SSD: MED/18 General Surgery
- Research proposal: Reconstruction of virtual operating fields from CT / MRI scans performed in patients suffering from abdominal visceral pathologies aimed at improving surgical training, preventing intraoperative complications and reducing operating times. Experimental study subsequently validated on a pig model.
- Duty station Siege of the research activities: Department of Surgical, Oncological And Oral Sciences
- Siege of Didactic activities: Department of Surgical, Oncological And Oral Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Accurate S.r.I., Cesena
- Period abroad: 6 at CMR Surgical Ltd, Cambridge
- Italian National University Council (CUN) Field: 06
- Italian Competition Sector S.C. 06/D3 Blood Diseases Oncology and Rheumatology
- Italian Didactic Scientific sector: MED/06- Oncology
- Research proposal: REducing disruption of Public transport service and prostate cancer Risk by a Whole Body Vibration (WBV) rEcording System: The Single-institution, prospective, interventional, REPRESS study.
- Duty station Siege of the research activities: Department of Surgical, Oncological And Oral Sciences
- Siege of Didactic activities: Department of Surgical, Oncological And Oral Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Lazzerini S.r.I, Monsano, Ancona









AREA RISORSE UMANE Settore Reclutamento e

- Italian National University Council (CUN) Field: 06
- Italian Competition Sector S.C. 06/C1 General Surgery
- Italian Didactic Scientific sector SSD: MED/18 General Surgery
- Research proposal: Development of a three-dimensional, microporous, absorbable, "functionalized" scaffold for the biological "modulation" of the inflammatory / reparative process in order to obtain a "restitutio ad integrum" of the anatomy and physiology in the repair of abdominal wall defects.
- Duty station Siege of the research activities: Department of Surgical, Oncological And Oral Sciences
- Siege of Didactic activities: Department of Surgical, Oncological And Oral Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at EVOLVING HEALTHCARE S.r.I, Monreale (PA

#### Action IV.4 - "Doctorates and research contracts on innovation topics" **DEPARTMENT OF PHYSICS AND CHEMISTRY**

- Italian National University Council (CUN) Field: 02
- Italian Competition Sector S.C. 02/A1 Experimental Physics of the fundamental interactions
- Italian Didactic Scientific sector SSD: FIS/01 Experimental Physics
- Research proposal: Development of innovative sensor networks for environmental monitoring
- Duty station Siege of the research activities: Department of Physics and Chemistry
- Siege of Didactic activities: Department of Physics and Chemistry
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Edinext S.r.I, Lecce
- Italian National University Council (CUN) Field: 02
- Italian Competition Sector S.C. 02/B2 Material Physics
- Italian Didactic Scientific sector SSD: FIS/03 Material Physics
- Research proposal: Quantum Computing in Noisy Quantum Devices in the Intermediate-Scale Regime (NISQ -Noisy, Intermediate-Scale Quantum)
- Duty station Siege of the research activities: Department of Physics and Chemistry
- Siege of Didactic activities: Department of Physics and Chemistry
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Amazon Web Services EMEA Sarl Milan
- Italian National University Council (CUN) Field: 02
- Italian Competition Sector S.C. 02/D1 Applied Physics, Didactic and History of Physics
- Italian Didactic Scientific sector SSD: FIS/07 Applied Physics to the Cultural Heritage, Environment, Biology and Medicine field
- Research proposal: Development of multi-color digital X-ray scanners for food safety, pharmaceuticals and material recycling
- Duty station Siege of the research activities: Department of Physics and Chemistry
- Siege of Didactic activities: Department of Physics and Chemistry
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 12 at Due2lab s.r.l., Scandiano (RE)

### Action IV.4 - "Doctorates and research contracts on innovation topics" **DEPARTMENT OF LAW**

- Italian National University Council (CUN) Field: 12
- Italian Competition Sector S.C. 12/E2 Comparative Law Italian Didactic Scientific sector SSD:IUS/02 Private comparative Law
- Research proposal: Digital market law and sustainable innovation. A comparative analysis
- Duty station Siege of the research activities: Department of Law
- Siege of Didactic activities: Department of Law
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 12 at GIGLIO.COM S.p.a., Milano/Palermo; Arancia-ICT S.r.I., Palermo
- Period abroad: 6 months at Internet Interdisciplinary Institute (IN3), Barcelona Spain









Settore Reclutamento e Selezioni

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF LAW

- Italian National University Council (CUN) Field: 12
- Italian Competition Sector S.C. 12/D1 Administrative Law
- Italian Didactic Scientific sector SSD:IUS/10 Administrative Law
- Research proposal: The robotic administrative decision
- Duty station Siege of the research activities: Department of Law
- Siege of Didactic activities: Department of Law
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Delisa S.r.l., Palermo
- Italian National University Council (CUN) Field: 13
- Italian Competition Sector S.C. 13/A1 Political Economy
- Italian Didactic Scientific sector SSD: SECS-P/01 Political Economy
- Research proposal: ROBOCOP RObotic and BOttleness in Changing OccuPation
- Duty station Siege of the research activities: Department of Law
- Siege of Didactic activities: Department of Law
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's working months: 6 at .E.U. Centro Esposizioni UCIMU S.P.A., Cinisello Balsamo (MI)
- Period abroad: 6 months at Hebrew University of Jerusalem

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF ENGINEERING

- Italian National University Council (CUN) Field: 08
- Italian Competition Sector S.C. 08/A1 Hydraulics, Hydrology, Hydraulic and Maritime Construction
- Italian Didactic Scientific sector SSD: ICAR/01 Hydraulics
- Research proposal: Interactions between the water network and the electricity network in mini-hydroelectric plants in the aqueduct
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at .Siciliacque S.P.A. Palermo
- Italian National University Council (CUN) Field: 09
- Italian Competition Sector S.C. 09/E1 Electrical Engineering
- Italian Didactic Scientific sector SSD: ING-IND/13 Electrical Engineering
- Research proposal: Diagnostic processes for the intelligent transition of HVDC cables
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 8 at Prysmian S.p.A., Milano
- Italian National University Council (CUN) Field: 01
- Italian Competition Sector S.C. 01/A4 Mathematics Physics
- Italian Didactic Scientific sector SSD: MAT/07 Mathematics Physics
- Research proposal: Coherent structures in brain dynamics and classification of emotional, physiological and pathological states: neuroimaging techniques and evolutionary models
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at BrainSigns, Roma
- Period abroad: 6 months at Keck Laboratory for Network Physiology, Dipartimento di Fisica, Boston University, Boston, USA









- Italian National University Council (CUN) Field: 09
- Italian Competition Sector S.C. 09/F1 Electromagnetic fields
- Italian Didactic Scientific sector SSD: ING-INF/02 electromagnetic fields
- Research proposal: Electromagnetic fabrication and simulation of nonlinear structures for LIDAR and microwave devices
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at QTI sede di Firenze; and 6 at Leonardo S.p.A., Palermo
- Italian National University Council (CUN) Field: 09
- Italian Competition Sector S.C. 09/H1 Information Processing Systems
- Italian Didactic Scientific sector SSD: ING-INF/05 Information Processing Systems
- Research proposal: Artificial Intelligence Techniques for Intrusion Detection in Information Systems
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Alium S.r.L. Palermo
- Italian National University Council (CUN) Field: 09
- Italian Competition Sector S.C. 09/B3 Economic-Management Engineering
- Italian Didactic Scientific sector SSD: ING-IND/35-Economic-Management Engineering
- Research proposal: Innovation management in digital transformation: study of open innovation strategies and new business models
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 9 at Engineering Ingegneria Informatica S.p.A. Roma, PWC Italia Roma, EKA Srl -Lecce
- Italian National University Council (CUN) Field: 09
- Italian Competition Sector S.C. 09/A1 Aerospace, Aeronautical and Marine Engineering
- Italian Didactic Scientific sector SSD: ING-IND/03 Flight Mechanics
- Research proposal: Smart Flight Dynamics for Morphing Unmanned Aerial System
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at CIRA Centro Italiano Ricerche Aerospaziali
- Italian National University Council (CUN) Field: 08
- Italian Competition Sector S.C. 08/B2 Construction Sciences
- Italian Didactic Scientific sector: ICAR/08 Construction Sciences
- Research proposal: Innovative thermomechanical coupling models in Selective Laser Melting (SLM) processes of Nickel-Titanium alloys for cardiovascular applications
- Duty station Siege of the research activities: Department of Engineering
- Siege of Didactic activities: Department of Engineering
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 8 at Prima Industrie S.P.A., Collegno Turin

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES

- Italian National University Council (CUN) Field: 01
- Italian Competition Sector S.C. 01/A3 Mathematical Analysis, Probability and Mathematical Statistics
- Italian Didactic Scientific Sector (S.S.D): MAT/05 Mathematical Analysis









- Research proposal: Approximations with frames and discrete operators: applications in image analysis, in the medical and engineering fields
- Duty station Siege of the research activities: Department of Mathematics and Computer Sciences
- Siege of Didactic activities: Department of Mathematics and Computer Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at UPMC Italy srl, Palermo
- Italian National University Council (CUN) Field: 01
- Italian Competition Sector S.C. 01/B1 Informatics
- Italian Didactic Scientific Sector (S.S.D): INF/01 Informatics
- Research proposal: Knowledge graphs and artificial intelligence methodologies for the specialization of Augmented Reality and Virtual Reality systems to support the development of production processes
- Duty station Siege of the research activities: Department of Mathematics and Computer Sciences
- Siege of Didactic activities: Department of Mathematics and Computer Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Expleo Italia S.p.A

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF MOTHER-CHILD CARE, INTERNAL MEDICINE AND MEDICAL SPECIALTIES OF **EXCELLENCE** "G. D'ALESSANDRO

- Italian National University Council (CUN) Field: 05
- Italian Competition Sector S.C. 05/G1 Pharmacology, clinical Pharmacology and Pharmacognosy
- Italian Didactic Scientific Sector (S.S.D): BIO/14 Pharmacology
- Research proposal: Genetic manipulation of mitochondrial CB1 receptors for eCB in prenatal THC-induced deficiencies
- Duty station Siege of the research activities: Department of Mother-Child Care, Internal Medicine and Medical Specialties of Excellence "G. D'ALESSANDRO
- Siege of Didactic activities: Department of Mother-Child Care, Internal Medicine and Medical Specialties of Excellence "G. D'ALESSANDRO
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Abiel Biotech, Palermo
- Period abroad: 6 months at the Neurocentre Magendie INSERM U1215, University of Bordeaux
- Italian National University Council (CUN) Field: 06
- Italian Competition Sector S.C. 06/M1 General and Applied Hygiene, Nursing Sciences and Medical Statistics
- Italian Didactic Scientific Sector (S.S.D): MED/45 General, Clinical and Paediatric Nursing Sciences
- Research proposal: Post-COVID Telemedicine, remote health monitoring (Tele Healthcare and Home Care)
- Duty station Siege of the research activities: Department of Mother-Child Care, Internal Medicine and Medical Specialties of Excellence "G. D'ALESSANDRO
- Siege of Didactic activities: Department of Mother-Child Care, Internal Medicine and Medical Specialties of Excellence "G. D'ALESSANDRO
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 12 at DIGITAL MICROELECTRONICS Srl, Palermo

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF AGRICULTURAL, FOOD AND FOREST SCIENCES

- Italian National University Council (CUN) Field: 07
- Italian Competition Sector S.C. 07/B2 Sciences and Technologies of Arboreal and Forestry Systems
- Italian Didactic Scientific Sector (S.S.D): AGR/05 Forest Settlement and Silviculture
- Research proposal: Innovation in the cork supply chain in Sicily (InnoSugher)
- Duty station Siege of the research activities: Department of Agricultural, Food and Forest Sciences
- Siege of Didactic activities: Department of Agricultural, Food and Forest Sciences









- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at SYFAR SRL, Acquedolci

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF AGRICULTURAL, FOOD AND FOREST SCIENCES

- Italian National University Council (CUN) Field: 07
- Italian Competition Sector S.C. 07/C1 Agricultural, Forestry and Biosystems Engineering
- Italian Didactic Scientific Sector (S.S.D): AGR/08 Agricultural Hydraulics and Hydraulic-Forestry Arrangements
- Research proposal: Integrated use of sensors, information and communication technologies (ICT) and satellite data for irrigation management at different spatial scales
- Duty station Siege of the research activities: Department of Agricultural, Food and Forest Sciences
- Siege of Didactic activities: Department of Agricultural, Food and Forest Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Irritec s.p.a., Capo d'Orlando (ME)
- Period abroad: 6 months at the Università Politecnica -- Valencia
- Italian National University Council (CUN) Field: 07
- Italian Competition Sector S.C. 07/F1 Food Science and Technology
- Italian Didactic Scientific Sector (S.S.D): AGR/15 Food Science and Technology
- Research proposal: Application of software and sensors for data acquisition, control and supervision of fermentation processes (wine and beer), continuously and automatically
- Duty station Siege of the research activities: Department of Agricultural, Food and Forest Sciences
- Siege of Didactic activities: Department of Agricultural, Food and Forest Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 9 at HTS Enologia, Marsala; Birrificio Semedorato S.R.L., Sommatino (CL)
- Period abroad: 6 months at the University of California UCDavis
- Italian National University Council (CUN) Field: 07
- Italian Competition Sector S.C. 07/I1 Agriculture Microbiology
- Italian Didactic Scientific Sector: AGR/16 Agriculture Microbiology
- Research proposal: Use of starter microorganisms for the production of high quality table olives with a healthy value through innovative processing protocols
- Duty station Siege of the research activities: Department of Agricultural, Food and Forest Sciences
- Siege of Didactic activities: Department of Agricultural, Food and Forest Sciences
- Max number of publications: 15
- Foreign language Knowledge: English
- Company's' working months: 9 at Geolive Belice S.A.S. Di Lombardo F., Castelvetrano (TP)

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF EARTH AND MARINE SCIENCES

- Italian National University Council (CUN) Field: 05
- Italian Competition Sector S.C. 05/A1 Botany
- Italian Didactic Scientific Sector (S.S.D): BIO/02 Systematic Botany
- Research proposal: Development of innovative technologies based on open-source IoT environmental sensors and the management of Big data to monitor the relationships between plant biodiversity and functioning in coastal marine areas
- Duty station Siege of the research activities: Department of Earth and Marine Sciences
- Siege of Didactic activities: Department of Earth and Marine Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Turingsense EU Lab s.r.l.
- Italian National University Council (CUN) Field: 03
- Italian Competition Sector S.C. 03/A2 Models and Methodologies for Chemical Sciences
- Italian Didactic Scientific Sector: CHIM/02 Physics Chemistry
- Research proposal: Innovative bio- and eco-compatible coatings with antimicrobial action for orthopedic implants









- Duty station Siege of the research activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Siege of Didactic activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Novagenit Srl, Mezzo Lombardo (TN)
- Italian National University Council (CUN) Field: 03
- Italian Competition Sector S.C.03/D1 Pharmaceutical, Toxicological and Nutraceutical-Food Chemistry and Technologies
- Italian Didactic Scientific sector SSD: CHIM/08 Pharmaceutical Chemistry
- Research proposal: Innovation in personalized medicine: translational approach to treat cystic fibrosis (CF)s
- Duty station Siege of the research activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Siege of Didactic activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Net4Science s.r.l., Catanzaro
- Italian National University Council (CUN) Field: 05
- Italian Competition Sector S.C.05/E1 General Biochemistry
- Italian Didactic Scientific sector SSD: BIO/10 Biochemistry
- Research proposal: Innovative micro / nano-constructs engineered to obtain a synergistic effect in the treatment of solid tumors
- Duty station Siege of the research activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Siege of Didactic activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Abiel srl Palermo
- Period abroad: 6 months at the University of applied sciences and arts north-western Switzerland (FHNW), Switzerland
- Italian National University Council (CUN) Field: 05
- Italian Competition Sector S.C. 05/E1 General Biochemistry
- Italian Didactic Scientific Sector: BIO/10 Biochemistry
- Research proposal: Innovative recovery of agricultural waste from the Sicilian wine and oil supply chains for the analysis and enhancement of bioactive principles with high nutraceutical value: a strategy for the relaunch of small and medium-sized enterprises in the post-COVID era19
- Duty station Siege of the research activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Siege of Didactic activities: Department of Biological, Chemical And Pharmaceutical Sciences And Technologies
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at MATER s.c.arl, Napoli

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF ECONOMICS BUSINESS AND STATISTICS SCIENCES

- Italian National University Council (CUN) Field: 13
- Italian Competition Sector S.C. 13/D1 Statistics
- Italian Didactic Scientific Sector: SECS-S/01 Statistics
- Research proposal: Digital Change and Big Data
- Duty station Siege of the research activities: Department of Economics, Business and Statistics Sciences
- Siege of Didactic activities: Department of Economics, Business and Statistics Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 12 at Noovle S.r.l., Milano.









- Italian National University Council (CUN) Field: 14
- Italian Competition Sector S.C. 14/C1 General Sociology
- Italian Didactic Scientific Sector: SPS/07 General Sociology
- Research proposal: Study and analysis of gamification and serious games processes applied to the enhancement and use of cultural heritage
- Duty station Siege of the research activities: Department of Economics, Business and Statistics Sciences
- Siege of Didactic activities: Department of Economics, Business and Statistics Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at ETT S.p.A, Palermo .
- Italian National University Council (CUN) Field: 12
- Italian Competition Sector S.C. 12/A1 Private Law
- Italian Didactic Scientific Sector: IUS/01 Private Law
- Research proposal: Artificial intelligence and health activity. Legal profiles of the use of robotics in medicine
- Duty station Siege of the research activities: Department of Economics, Business and Statistics Sciences
- Siege of Didactic activities: Department of Economics, Business and Statistics Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at UPMC Italy srl, Palermo

### Action IV.4 - "Doctorates and research contracts on innovation topics" DEPARTMENT OF PEDAGOGICAL, PHYSICAL EXERCISE AND HUMAN MOVEMENT SCIENCES

- Italian National University Council (CUN) Field: 11
- Italian Competition Sector S.C. 11/E1 General Psychology, Psychobiology Psychometry
- Italian Didactic Scientific Sector: M-PS1/03 Psychometry
- Research proposal: advanced research and data analysis in the evaluation of an intervention program for the promotion of democratic and intercultural skills and social participation in teenage years
- Duty station Siege of the research activities: Department of Pedagogical, Physical Exercise And Human **Movement Sciences**
- Siege of Didactic activities: Department of Pedagogical, Physical Exercise And Human Movement Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Moltivolti, Palermo
- Period Abroad: 6 months at School of Biological and Behavioural Sciences, Queen Mary University of London
- Italian National University Council (CUN) Field: 11
- Italian Competition Sector S.C. 06/N2 Physical Training and Sports Sciences
- Italian Didactic Scientific Sector: M-EDF/01 Methods and didactic for the movement sciences
- Research proposal: Innovation in sports sciences: an integrated approach to the assessment of posture and biomechanics of the human body
- Duty station Siege of the research activities: Department of Pedagogical, Physical Exercise And Human **Movement Sciences**
- Siege of Didactic activities: Department of Pedagogical, Physical Exercise And Human Movement Sciences
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Sensor Medica srl, Guidonia Montecelio (RM)
- Period Abroad: 6 months at the Department of Public Health and Clinical Medicine University of Umeå. Sweden

#### Action IV.4 - "Doctorates and research contracts on innovation topics" **DEPARTMENT OF HUMANITIES**

- Italian National University Council (CUN) Field: 09
- Italian Competition Sector S.C. 09/H1 Information Processing Systems
- Italian Didactic Scientific Sector: ING-INF/05- Information Processing Systems
- Research proposal: Explainable DigiBot: the clear bot at the service of humanistic knowledge
- Duty station Siege of the research activities: Department of Humanities
- Siege of Didactic activities: Department of Humanities
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 9 at SynbrAln SRL, Monza









### Action IV.4 - "Doctorates and research contracts on innovation topics" **DEPARTMENT OF HUMANITIES**

- Italian National University Council (CUN) Field: 10
- Italian Competition Sector S.C. 10/F1 Italian Literature
- Italian Didactic Scientific sector SSD: L-FIL/LET/10: Italian Literature
- Research proposal: The literature of the Italians. Digital archive of the works and bio bibliographic portal
- Duty station Siege of the research activities: Department of Humanities
- Siege of Didactic activities: Department of Humanities
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at New Digital Frontiers S.r.l., Palermo
- Italian National University Council (CUN) Field: 10
- Italian Competition Sector S.C. 10/I1 Spanish and Hispanic-American Languages, Literatures and Cultures
- Italian Didactic Scientific sector SSD:L-LIN/05 Spanish Literature
- Research proposal: Cultural products and processes, inclusion society and digital transition. Narratives and representations of women in the Spanish and Italian-Spanish periodicals (1923-1945)
- Duty station Siege of the research activities: Department of Humanities
- Siege of Didactic activities: Department of Humanities
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at Softwaring Srl. Palermo
- Period abroad: 6 months at the Universidad Complutense de Madrid
- Italian National University Council (CUN) Field: 10
- Italian Competition Sector S.C. 10/C1 Music, Cinema, Television and Audio-visual Media
- Italian Didactic Scientific sector SSD: L-ART / 07 Musicology and History of Music
- Research proposal: Soundscape of Baroque Palermo: interactive mapping for the enhancement of historicalmusical sources and the territory
- Duty station Siege of the research activities: Department of Humanities
- Siege of Didactic activities: Department of Humanities
- Max number of publications: 12
- Foreign language Knowledge: English
- Company's' working months: 6 at AND Ambienti Narrativi Digitali, Firenze
- Period abroad: 6 months at the Rijksmuseum, Amsterdam

### Art. 2 **Admission requirements**

The selection is open to applicants with an academic PhD qualification or equivalent, obtained either in Italy or abroad and/or with a medical specialization diploma for the envisaged sectors. The selection is not open to those already employed as First or Second Level Tenured University Professors and/or as Researchers, even if they do not work anymore.

In the event of a PhD, obtained abroad, please include the following documents, otherwise excluded:

- And/or a statement of equipollence with the Italian PhD title pursuant to art. 74 of D.P.R. 382/1980;
- · And/or the statement of equivalence with the Italian PhD title pursuant to art. 38 of Legislative Decree. N.165/2001;
- · And/or the statement starting the request for the equivalence to the qualifications, as foreseen under this procedure notice. according the art. 38 of Legislative Decree to (http://www.funzionepubblica.gov.it/strumenti-e-controlli/modulistica):
- And/or the statement starting the request for the equipollence to the qualifications pursuant to art. 74 of D.P.R. 382/1980.

The admission requirements, as defined in this call for application, must be held at the submission deadline.









The selection is not open to and otherwise shall be excluded:

- 1. those who have been excluded from the enjoyment of civil and political rights;
- 2. those who have been dismissed or exempted from an employment in a Public Administration's office because of insufficient performance, and/or dismissed from any other public engagement, according to the article 127 subsection 1 lett. d) of D.P.R. 10.1.1957, no. 3;
- 3. those already employed as First or Second Level Tenured University Professors or as Researchers, even if they don't work anymore:
- 4. research grants and/or contracts holders, pursuant to the Article 24 of Law 240/2010, who have been employed for more than twelve years, even if not ongoing and also after different employments with public, private and online Universities pursuant to Article 22, subsection 9 - Law 240/2010, as well as with the Institutions as referred in subsection 1 - art. 22;
- 5. those who, pursuant to article 18, paragraph 1, lett. B and C, Law 240/2010, have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the department or structure that carries out the call or with the Rector, the General Director or with a member of the Board of the University:
- 6. those for whom there are conflicts and incompatibilities pursuant to art. 7, paragraphs 1 and 2, of the Ethics Code as issued by the University of Palermo with the D.R. n. 2741 dated 18.07.2014, as revised with the D.R. 1693 dated 13.05.2019.

In relation to the citizenships, there are not restrictions.

### Art. 3 How to apply

Applicants must submit their application form, online, via https://concorsi.unipa.it, filling in the template.

The application form must be printed, signed, scanned and sent by certified email (PEC) to the following email address pec@cert.unipa.it mentioning in the subject:

N. 48 Vacancies RTDA - Selection code 2021RTDAPON48 along with the Italian Competition Sector - S.C., the Italian Didactic Scientific Sector (S.S.D), the sequential number as released by the online system -Department xxxxx and Action IV.4 - Innovation.

The deadline for the submission of the application form is the 21<sup>st</sup> October 2021 at 23.59 (Italian local time), namely the fifteenth (15) day after the official publication of the call on the Gazzetta Ufficiale della Repubblica Italiana, Quarta Serie Speciale Concorsi ed Esami published on the 6<sup>th</sup> Oct. 2021.

Any application form submitted after the deadline will be rejected.

It is possible to apply throughout multiple sending (max size of each email 20 Megabyte).

According to the art. 6 of D.P.R 68/ 2005 proof of sending is the receipt of acceptance and of delivery as provided by the Email system provider.

Foreign citizens: only for foreign candidates the following procedures have to be followed: application forms can be sent by not an email address to: mail-protocollo@unipa.it signing the application with a certified digital signature according to the art. 8 Law 35/2012, mentioning in the subject, . 48 Vacancies RTDA - Selection code 2021RTDAPON48 along with the Italian Competition Sector - S.C., the Italian Didactic Scientific Sector (S.S.D), the sequential number as released by the online system - Department xxxxx and Action IV.4 -Innovation.

If not possible to sign digitally the application, foreign candidates can send the application sent in advance by email, signed in original and complete with a copy of a personal ID, by Registered Post International to the following address: Settore Reclutamento e Selezioni - Università degli Studi di Palermo - Piazza Marina, 61 -90133 Palermo.

Candidates are requested to pay a contribution equal to € 35,00, otherwise shall be excluded.

This amount must be paid by a bank transfer, as follows:

Account number: 000300004577 Bank holder: University of Palermo

Bank information: - Agenzia A - Via Roma, Palermo - UniCredit S.p.A

IBAN code: IT09A0200804682000300004577.

Swift/code: UNCRITMMXXX.

Payment for: Selection code 2021RTDAPON48 - Italian Competition Sector - S.C. - Italian Didactic Scientific Sector (S.S.D) -- Department xxxxx and Action IV.4 - Innovation.









For UniCredit bank account holders only, if the transfer cannot be done, the contribution must be paid by cash payment at the counter, mentioning the ID code treasury 9150300 of the University of Palermo.

Copy of the bank transfer must be attached to the application form.

Under their own responsibility, the applicants must declare, filling in the online application form:

- name and surname;
- place and date of birth;
- social security number fiscal code number (only for Italian citizens);
- residence and domicile:
- certified email address PEC only for the Italian citizens;
- email address (for Italian and foreign citizens);
- telephone number:
- to have obtained either in Italy or abroad the title of PhD and/or equivalent and/or the medical specialization diploma for the envisaged sectors.
- not to have been employed as research grants holders and/or contracts' holders, pursuant to the Article 24 of Law 240/2010 by other Universities, public or not, and/or employed by Online Universities as well as by Institutions as referred in subsection 1 art. 22 for more than twelve years, even if not ongoing pursuant to Article 22, subsection 9 Law 240/2010;
- the Italian citizenship or the citizenship of another EU Member State or their family members who are not citizens of a Member State provided that they hold the right of residence or the right of permanent residence; as well as citizens of third countries holding the the EC residence permit for long-term residents or holding the refugee status or subsidiary protection status;
- for Italian nationals: the electoral lists where enrolled or otherwise the reasons for the cancellation or the failure to register;
- if foreign citizens: the full enjoyment of civil and politics rights otherwise the reason for the failure of enjoyment;
- to have no criminal convictions, or any criminal convictions reported, indicating the details of the relative sentences (even if amnesty, amnesty, pardon or court pardon was granted) and any pending criminal proceedings against him/her;
- only for Italian citizens: the current position regarding military obligations;
- not to have been dismissed or exempted from an employment in a Public Administration's office because of insufficient performance, and/or dismissed from any other public engagement, according to the article 127 subsection 1 lett. d) of D.P.R. 10.1.1957, no. 3;
- only for foreign citizens: Italian proper knowledge;
- not to have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the department or structure that carries out the call or with the Rector, the General Director or a member of the Board of the University:
- to be aware of the of situations of incompatibility pursuant to art. 13 of this call;
- neither to be nor to be employed with a permanent contract as First or Second Level University Professors and/or as Researchers, even if exempted.

In the application, foreign candidates must also specify the address where to receive information in relation to this procedure, an email address and a telephone number. Any change must be promptly communicated to the Office to which the application is addressed.

As far as the foreign candidates are concerned, the University of Palermo will not be responsible for not reaching the candidate in time and/or for loss of information due to incorrect communicated addresses and/or due to a delayed communication in the addresses changings as specified in the application form and/or failure to communicate those changes. The University of Palermo is not also responsible for problems incurred in sending the paperwork and/or for any problems caused by third parties, unforeseeable circumstances or force majeure.

Candidates certified as disable pursuant to the Law 104/1992, as amended and modified and to the Law 68/1999, may ask for the benefits as foreseen in the laws, mentioning it in the application form. Namely, it must be specified the needed support for attending the tests in relation to one's own condition, as well as the possible need for additional time for carrying out the examination tests. In such situations, they will have to produce suitable medical-health certification that specifies the essential elements relating to their condition, in order to allow the Administration to prepare tools and instruments to guarantee all they need in time.

Failure to indicate in the application of the necessary aids automatically make the Administration free of any obligations.

The application, as released by the online system and the pre-filled annexes, related to the personal – self statements, must be signed, scanned and sent as above specified by each candidate, otherwise shall be excluded.









Along with the application form, the candidates must attach, signed, scanned and saved in pdf file,

- copy of a valid ID document;
- only for the Italians: copy of the health insurance card and/or fiscal code card;
- Skype account (complete details), to be used for the qualifications, publications and oral exam if Microsoft TEAMS is not candidates' chosen conference website;
- curriculum vitae in Italian, stating the scientific and didactic activities carried out by the candidates, signed according to the art. 46 e 47 del D.P.R. 445/2000;
- qualifications and certifications, held for this selection, numbered in an attached dated and signed list as per the art. 8 of the call:
- scientific publications in pdf format, numbered in an attached dated and signed list;
- statement about the sending and deposit of what foreseen in article 4 of this call;
- Phd dissertation:
- Any other documents and certifications and statements not foreseen in the templates provided by the online system (such as equivalence decree for educational qualifications obtained abroad etc):
- Copy of the bank transfer equal to € 35,00 as proof of the participation's contribution.

According to the Italian Law, the possess of the qualifications can be certified with a self-statement as per art. 46 and/or as per art. 47 of the D.P.R. 445/2000, mentioning all the detailed information required and needed for the assessment procedure.

It is strictly forbidden to mention publications and/or copy of qualifications already submitted to this University or to other Public Administrations/Institutions.

Each candidate must fill in, sign, scan and send two single and detailed lists: one related to owned qualifications and another one to the publications.

All the above-mentioned documents must be scanned and sent along with a separate statement, certifying the documents are equal to the original ones and comply with the original copies, according to the art. 47 -- D.P.R. n. 445/2000.

As stated in the art. 15 of the law 12.11.2011 n. 183, the certifications issued by the Public Administration regarding status, personal qualities and facts, are valid only in relations between private individuals, starting from 01.01.2012.

In the relations with Public administration bodies and Public services providers, certificates are always replaced by statements, released according to the articles 46 and 47 of the D.P.R. n. 445/2000.

In relation to administrative documentations, citizens of a non-EU country must comply with the requirements foreseen in art. 3, subsections 2, 3 and 4 of the D.P.R. n. 445/2000.

Owned qualifications and statements, written in another foreign language than English, French, German and Spanish, must be translated in Italian, and certified as conforming by the competent Italian diplomatic either by consular offices or by a sworn translator.

The Administration reserves the right to carry out checks on the truthfulness of the declarations, self-certifications and substitute declarations. In the event of fake statements, the provisions in articles 483, 485 and 486 of the penal code will be applied.

# Art. 4 Publications

The publications that the candidate will show for this selection procedure must be numbered sequentially, with the related list, dated, signed and sent, by email PEC (for the Italian candidates) and by email (only for foreign citizens), along with the application and sharing them in different sending (maximum size of each sending 20 Megabytes), if necessary. Publications sent after the deadline will be rejected.

If a candidate will send a number of publications exceeding the envisaged number (as per this public notice) the evaluation committee will assess only the ones foreseen by the call and as numbered by the candidates.

Under this selection's procedure, the commission will evaluate the publications and works published within the deadline; and namely those for which, if published before the 2nd September 2006 the legal deposit as foreseen in the Legislative Decree of the Lieutenancy 31.08.1945 n. 660 has been carried out, consisting in the delivery by the printer, of 4 copies of each work or publication to the Prefecture of the Province where the printing company is based and one copy to the Public Judge court; if published after the 2nd September 2006 the legal deposit has been carried out according to the Law 15.04.2004 n. 106, the D.P.R. n. 252 of 03.05.2006 and the decree of the Ministry for Cultural Heritage and Activities dated 28.12.2007.

The fulfilment of these obligations must be certified by suitable documents, certifying the successful deposit or with a statement/declaration by the candidates, to be sent along with the application. For the publications and works, published abroad, date and place of publication must appear clearly or the ISBN or equivalent code has to be clearly showed.









The publications can be sent in one of the following languages: Italian, French, English, German and Spanish or otherwise translated in one of those languages. The translated copies can be sent along with the original copy in a typewritten copy according to the original one and in compliance with the current legislation.

The files concerning the publications must be sent together with a statement of compliance with the original pursuant to the art. 47 of the D.P.R. n. 445/2000.

All the types of substitutive declarations, foreseen up to now, are valid for the Italian citizens and citizens of the European Union (D.P.R. n. 445/00), according to the scheme attached to the application for participation. The texts or articles accepted for publication by the deadline date of the call must be submitted together with the acceptance document by the publisher.

#### Art. 5

#### **Exclusion from the selection procedure**

Candidates are admitted to the selection on a conditional basis.

The exclusion, due to the lack of one of the requirements can be decided at any time during the procedure, by a duly motivated Decree, issued by the Rector and notified to the interested party by PEC (for the Italian ones) or by registered letter with return receipt for foreign candidates.

In any case, candidates will be excluded for:

- lack of admission requirements pursuant to art. 2 of this announcement;
- failure to transmit / to view the application forms, sent by own certified email PEC for the Italian candidates and sent by personal email for foreign candidates;
- transmission of the application beyond the deadline, set by the notice;
- failure to pay the contribution.

#### Art. 6

#### **Selection Committees**

1. The committees, in charge of the selection procedures, are made up of three permanent Professors, belonging to the competition sector and not working for the University of Palermo.

The Department, asking for the publication of this call for selection, will appoint four Professors not belonging to the University of Palermo, by an absolute majority of its Board. Among those four professors, Officers, appointed by the Rector, will draw two members of the Commission.

The Department, asking for the publication of this call for selection, will appoint the third member, belonging to the University as well. In this circumstance, this third member can be selected within the Didactic macro sector.

The proposed members must have an international high scientific profile. They are selected among the tenured professors, belonging to the list of commissioners in charge for the national scientific qualification in the relevant Assessment Sector.

The Director of the Department, who requested the procedure, will validate the requirements possess and qualifications for the professors not belonging to the Ministerial lists of the Commissioners for the national scientific qualification. Those requirements and qualifications are equivalent to ones required for being included in the above mentioned lists and to those detailed in the resolution n. 132 dated 13.09.2016 issued by the ANVUR Board of Directors.

As member of the selection committee, a scholar, engaged permanently abroad in Universities research and teaching activities for at least three years, covering an academic position equivalent to that of full professor in foreign universities or research institutions, with high scientific qualification recognized internationally, can be proposed.

Should a first –level professors, belonging to the University of Palermo not be selected as member of the Commission for the selection procedure, a second-level professor can be proposed, if belonging to the University of Palermo and holding the required qualifications.

2.The Commission is appointed with a Decree issued by the Rector who may verify the above requirements preliminarily, with a support of external experts as per the paragraph 1.

When a member turns down the appointment or in the event of unexpected unavailability before the appointment of the commission, the procedure by drawing lots is repeated for the commissioner who renounced, as soon as the concerned department has communicated another member.

The designation decree is published on the Official University Register.

3.The Commission appoints a President and a Secretary among its members and makes its decisions by an absolute majority.

4.For the selection procedures to recruit researchers, according to art.24 paragraph 3 – letter a L.240/2010, Second-Level Professors can be identified as members of the Selection Commissions if they hold the necessary requirements to be included in the ministerial lists of the commissioners for national scientific qualification in the competition sector to which they belong, according to the procedure referred to in the paragraph 1.









## Art. 7 Selection committee's fulfilments and exams test

The first meeting of the selection committee is requested and asked by the internal Professor, afters 15 days from the date of publication of the appointment's decree on the University's Official Register. According to this public notice, the appointed committee is authorized to hold the first meeting and the whole selection procedure, via online

The Committee in the above-mentioned meeting will:

- appoint the President and the Secretary for the minutes:
- enter in the minutes a declaration released by each member and stating the nonexistence of the causes of abstention pursuant to arts. 51 and 52 of the Italian Code of civil procedure;
- establish the criteria for the preliminary evaluation of the candidates (Ministerial Decree 05/25/2011 n. 243);
- establish the criteria to be used for the acknowledgment of a score to the qualifications and to each publication sent by the candidates, admitted to the discussion;
- view the list of candidates and enter in the minutes a statement affirming that there are no abstentions pursuant to Articles 51 and 52 of the code of civil procedure between candidates and committees' members.

At the end of the first meeting, the minutes containing the assessment criteria and schemes is delivered to the person in charge of the procedure in order to ensure the required publicity on the University's Official Register, at least for seven days, before the next and coming selection Committee section.

Pursuant to paragraph 2 letter c) of the art. 24 - Law n. 240/2010, the selection procedure will foresee a first preliminary evaluation of the candidates, with an explained and analytical evaluation decision referred to the qualifications, curriculum and on the scientific productions, including the PhD thesis, according to criteria and parameters recognized also in the international context and identified with the Ministerial Decree n. 243/2011 as per the following art. 8 of this announcement.

After the preliminary assessment, the most deserving candidates are admitted to the public discussion of qualifications and scientific production. A number between 10% and 20% of candidates and however not less than six units will be admitted. Admitted candidates will be informed by an official communication released on the Official University Register and on the University website at the page: http://bit.ly/ricercatoriTD, before the scheduled date for the public interview/ discussion.

If the number of the applicants is equal to or less than six, all of them will be admitted to the public discussion and the above-mentioned preliminary evaluation will not be carried out.

The exam will take place together with the discussion about the qualifications and publications. It is also aimed at establishing the foreign language's knowledge. The public interview/discussion is open to external and general audience.

Day, venue, and time of the public discussion (online and/or in presence) will be communicated to the interested parties not less than twenty days before the exam, in the Official University Register and on the University page at <a href="http://bit.ly/ricercatoriTD">http://bit.ly/ricercatoriTD</a>.

No any further communication will be released. Each candidate will receive an email notifying the occurred the publication.

The Administration assumes no responsibility for the failure to receive or not to read the e-mail and each candidate will be directly responsible to keep him/herself informed by consulting the competition website to find the necessary information on the selection procedures.

After the discussion, the Commission will score the qualifications and each publication sent by the candidates admitted to the discussion, according to the criteria established in the minutes no. 1.

The Commission is required to reserve not less than 70% of the maximum score for the publications (articles 7 and 9 of the Regulations for the recruitment of temporary researchers), in scoring the qualifications and each publication.

Candidates, to join the aforementioned test, to be held also via conference call using IT and digital tools, candidates must show and have the same identification document attached to the application form.

Candidates must show only one of the following valid identification documents, for joining the evaluation sections:

- identity card;
- firearms license;
- driving license;
- boat license:
- passport;
- Identification Documents issued by a State Administration, only if those documents have a photograph and/or a stamp and/or other equivalent signature.

The selection procedure acts consist of the minutes of the meetings and the final report about the works carried out by the Commission. The individual and collective decisions expressed for each candidate during the preliminary assessment, as well as the scores assigned to the qualifications and to each publication of the candidates admitted to the public discussion, are integral and necessary part of the minutes.









At the end of the work, the Commission, after a comparative evaluation, with a final resolution approved by the majority of the members, appoints the winner.

The Commission must conclude all the selection phases within 40 (forty) days from the date of the Rector's appointment decree.

In the event that the selection process will not be concluded within the previously mentioned term, with a motivated decision, the Rector can launch the procedure to replace the members of the committee, establishing at the same time a new deadline for the conclusion of the procedures.

### Art. 8 Qualifications and curriculum assessment

The preliminary evaluation of the candidates, with motivated analytical decision based on the qualifications, on the curriculum and on the scientific production, including the PhD research, is carried out before the public discussion, according to the criteria as per art. 2 of the Ministerial Decree 25.05.2011 n. 243 and based on the following elements.

The selection Commissions foreseen by article 1 of the abovementioned D.M. carry out an exhausted evaluation phase, followed by a comparative evaluation, making reference to the specific competition sector and to the possible profile defined exclusively through indication of one or more scientific disciplinary sectors, of the curriculum and of the following titles, duly documented, of the candidates:

- A. PhD dissertation or equivalent, or, for the concerned sectors, the medical specialization diploma or equivalent, obtained in Italy or abroad:
- B. any teaching activity carried out at Universities in Italy or abroad;
- C. recognized training or research activities in qualified Italian or foreign institutions;
- D. recognised activities in the clinical field relating to the competition sectors where these specific skills are required:
- E. implementation of project activities relating to the competition sectors where envisaged;
- F. organization, direction and coordination of national and international research groups, or participation in;
- G. ownership of patents relating to the competition sectors where envisaged;
- H. speaker at National and International congresses and conferences;
- I. National and International prizes and awards for research activities;
- J. European specialization diploma recognized by international boards, in relation to those competition sectors where envisaged.

The evaluation of each qualification as mentioned in the previous paragraph is carried out, taking in consideration the value compared to the quality and quantity of the research activities, carried out by each candidate.

## Art. 9 Scientific production assessment

The selection committees, in carrying out the preliminary comparative evaluation of the candidates, take into consideration only publications or texts accepted for publication according to the regulations in force as well as essays included in collective works and articles published in magazines in paper or digital format with the exclusion of internal notes or departmental reports.

The PhD research or equivalent qualifications are taken into consideration, even if in the absence of the conditions referred to in this paragraph.

The selection committees carry out the publications comparative evaluation as referred to in paragraph, on the basis of the following criteria:

- a) originality, innovation, methodological rigor and relevance of each scientific publication;
- congruence of each publication to the competition sector where the procedure is announced and with the
  possible profile, defined exclusively by indicating one or more scientific-disciplinary sectors, or with related
  interdisciplinary topics;
- c) scientific relevance of the editorial location of each publication and its dissemination within the scientific community:
- d) analytical determination, also on the basis of recognized criteria in the international scientific community of reference, of the individual contribution of the candidate in the event of his / her participation in collaborative works.

The selection committees must also evaluate the overall quality of the candidate's scientific production, its strength/quantity and temporal continuity, apart from the period of non-voluntary removal from the research's activity, if explained enough, and in particular in relation to the parental leave/maternity leave.

With regard to the competition's sectors, as internationally recognized, the commissions, in evaluating the publications, also apply the following parameters/indicators, within the application deadline terms:

- a) total number of academic citations;
- b) average number of academic citations per publication;









- c) "impact factor" total weight;
- d) average "impact factor" per publication;
- e) Combinations of the previous parameters to enhance the impact of the candidate's scientific production (Hirsch index or similar).

After the above-mentioned preliminary assessment and the subsequent admission of the most deserving candidates, after the discussion and after the oral test, a score is assigned to the qualifications and to each publication presented, based on the criteria established by the Commission first meeting and, subsequently, the identification of the winning candidate.

### Art. 10

### Documents conformity and regularity checks

After having received the selection procedure's documentation, within 30 days, the Rector, with his own decree validates the formal regularity of the documents and declares the name of the winner, by communicating to interested parties and by sending it to the Department in charge of that vacancy. The conditions, facts and personal qualities self-certified by the winning candidate are subject to checks, by the University to verify the truthfulness, also on a random basis.

The Rector's decree will be published on the Official Register of the University and on the website as per the following art. 18.

In the event that the Rector finds irregularities, he refers the case to the Commission with a reasoned decision so that it can proceed with the regularization by assigning it a term.

#### Art. 11

### Contract signature and winner's appointment

The candidate, declared winner of the selection procedure, will receive a notification throughout a decree concerning the approval of the proceedings.

Pursuant to paragraph 2 letter d) of art. 24 of Law 240/2010, the Department in charge of the required vacancy will define the proposal to employ the candidate, with a document voted by an absolute majority of first and second level professors. This proposal must be submitted to the approval of the Board of Directors.

The winner candidate, after the further approval voted by the Board of Directors, will sign a three - years contract, pursuant to paragraph 3 letter a) of art. 24 of Law 240/2010 on a full-time fixed term basis, however subject to the positive admissibility check carried out by MUR on the basis of the requirements identified in the document "Selection criteria for operations involving resources FSE-REACT EU "approved by the PON Research and Innovation "2014-2020 Committee, which will be communicated in accordance with the provisions of art. 3 c. 9 of the D.M. 1062/2021.

Upon signing the contract, the winner will submit the required documentation pursuant to current legislation as well as the declaration pursuant to art. 3 paragraph 3 of the Implementation Regulations, attached to Ministerial Decree n. 1062 of 10.08.2021, stating:

- a) to carry out the envisaged research period (from 6 to 12 months), in a company and/or abroad;
- b) to be aware that failure to comply with the minimum term of the company research period will bring to the contract withdrawal;
- c) to be aware that this activity is co-financed by the European Social Fund REACT EU National Operational Program for Research and Innovation 2014-2020, managed by the Ministry of University and Research;
- d) to be aware that failure to comply with the provisions of the Ministerial Decree n. 1062 of 08.10.2021 for the allocation of resources of the specification attached to the D.M. brings to the approved intervention repeal and the full reimburse of the grant;
- e) to be aware that project, objectives and the expected results modification (if not previously authorized by the MUR) brings to the approved contribution repeal and the full reimburse of the grant/funds already received.

The researcher is necessarily required to report the carried activities according to the instructions and timing given by the Ministerial Decree n. 1062/2021 and its attachments and related documents.

The winner, after the further approval voted by the Board of Directors, will sign a three - years contract, pursuant to paragraph 3 letter a) of art. 24 of Law 240/2010 on a full-time fixed term basis, renewable only once for two-years, after a positive evaluation of the teaching and research activities carried out with the methods, criteria and parameters identified by the D.M. 24.05.2011 n. 242.

The total annual commitment envisaged for carrying out the planned activities is equal to 350 hours.

This contract is to be considered as special title in general competitions for accessing to the public administrations offices (paragraph 9 of article 24 of Law 240/2010).

This contract does not allow accessing to the University roles or personnel profiles automatically.

Upon signing the contract, the winner candidate will declare not to be in any of the incompatibility situations/circumstances as referred to in this public notice and the winner, both if an Italian citizen and a European Member State citizen, has to declare, pursuant to arts. 46 and 47 of the D.P.R. n. 445/2000:

a) date and place of birth;









- b) citizenship;
- c) the enjoyment of civil and political rights in Italy and in the State of origin;









- d) the position for the fulfilment of military obligations;
- e) the inexistence of criminal convictions that prevent the establishment of a public employment relationship:
- f) the fiscal code number (only for the Italian citizens);
- g) the family units composition;
- h) the absence of marriage, kinship or affinity relationships, up to and including the fourth degree, with a professor belonging to the proposing department, or with the Rector, the General Director or with a member of the University's Board of Directors;
- any other employments for State, provinces, municipalities or other public or private bodies and, if so, a declaration stating that the winner has requested for an unpaid placement (without salary) for the whole period of this contract.

The statement related to the point c) must specify this requirement's possess on the date of the deadline of this call for selection.

The non-EU nationals, winners of the selections' procedure, must submit the following documents within thirty days; otherwise, they will lose the right to be appointed:

- 1. birth certificate;
- 2. certificate, equivalent to the general certificate of the criminal record, issued by the competent authority of the State where they stay as citizen. The foreign candidates, if residing in Italy, in addition to the aforementioned certificate, must also submit a certificate showing the lack of criminal convictions and pending charges against them in Italy;
- 3. certificate showing the citizenship;
- 4. certificate showing the enjoyment of political rights.

The certificate related to the point n. 4) must show the possession of the requirement on the deadline of this call for selections.

The certificates, issued by the competent authorities of the State whom the winner is a citizen of, must comply with the provisions in force in the State itself and must also be confirmed and certified by the competent Italian consular authorities.

All the documents, drawn up in a foreign language, must be translated in Italian or submitted with an Italian translation, certified as in compliance with the foreign text, drafted either by the competent diplomatic consular Italian Authority/Representative or by an official translator.

Non-EU nationals, residing in Italy, according to the provisions of the registry regulation of the resident population approved by D.P.R. 30.05.1989, n. 223, can submit declarations under the scheme of the Law .P.R. 28.12.2000 n. 445 --- 46 and 47, only for proving personal status, facts and qualities that can be certified or verified by an Italian public or private Institution/Entity/Administration and excluding all the special provisions foreseen in the laws and the regulations concerning the immigrations laws and the condition of foreigners.

### Art. 12 Economic conditions

The economic conditions, reserved to a fixed-term researcher, employed under the scheme of this public notice, are equal to those of a confirmed Researcher, with a full time commitment.

# Art. 13 Incompatibility

The provisions of art. 6 paragraphs 9, 10, 11 and 12 of Law no. 240/2010, regulating the incompatibilities related to the legal position of researcher and the incompatibilities connected with a full-time fixed term contract and commitment are referred to the holders of a fixed-term contract as agreed under this call for applications.

The provisions of art. 53 of the D.Lgs. n. 165/2001 as well as the University regulations for authorizations to perform paid external tasks are also in force for all the issues related to the authorization scheme.

### Art. 14 Termination of the contract

The contract shall be ended at the expiration date as foreseen in the contract or by right, by giving notice to the other party. Each of the contractors may terminate the contract, before the deadline, when a circumstance doesn't allow the prosecution of the contract, pursuant to art. 2119 of the civil code.

### Art. 15 Data Protection

The personal data, communicated by the candidates throughout the application, will be collected and processed by the University of Palermo in compliance with the EU Regulation n. 679/2016. The data communication is mandatory, otherwise excluded. The interested parties enjoy the rights as detailed in the abovementioned EU









Regulation, including the right to access the data concerning him/her. These rights may be acted against the University of Palermo as the data controller. By the way, interested parties can find more information on data processing at the following link:

http://www.unipa.it/amministrazione/arearisorseumane/settorereclutamentoeselezioni/informativa-privacy/

### Art. 16 Officer in charge of the Procedure

According to the Art.5 of Law n. 241 07/08/1990, the Officer in charge of the procedure is Mrs Doctor Mrs Alessandra Fallica – Piazza Marina n. 61, 90133 – Palermo –phone number: 091.23893876 – email: concorsi@unipa.it.

#### Art. 17 Final rules

For all the issues, not explicitly mentioned in this public notice, please refer to the regulations and laws as detailed in the premise, the Ethics Code issued by the University of Palermo and the other rules in force.

# Art. 18 Publicity and information

This call for selection issued by a Rector Decree has been published on the 5<sup>th</sup> October 2021 on the Official Journal of the Italian Republic 4th Special Section for Selections and exams (Gazzetta Ufficiale della Repubblica Italiana, Quarta Serie Speciale Concorsi ed Esami) n. 79 and also on:

- http://www.unipa.it/albo.html
- http://bit.ly/ricercatoriTD
- http://bandi.miur.it/index.php
- http://www.euraxess.it/.

The Rector Prof. Fabrizio Micari

This document is the English version of the call for recruitment, issued by the D.R. (Rector Decree) n. 3960/2021 dated 6<sup>th</sup> October 2021, written in Italian. In case of doubts or misunderstandings, the Italian version is prevalent.