

PUBLIC SELECTION FOR A RESEARCH FELLOWSHIP GRANT – TYPE B TO COOOPERATE WITH A RESEARCH PROGRAMME WITH SPECIFIC FUNDING (LAW 30 DECEMBER 2010, N. 240, ART.22)

THE RECTOR

Having regard to the Law 9 May 1989, n. 168;

Having regard to the Law 30 December 2010, N. 240, Art.22 "Assegni di ricerca";

Having regard to the Decree of the Minister of Education, University and Research of 9 March 2011, n. 102, setting the minimum amount of research fellowship grants;

Having regard to the article 15 of the Law n. 183 of 11 November 2011, defining the rules of certifications and replacement statements, and the prohibition of introducing in the implementation of European Union directives additional obligations compared to those provided for by the directives themselves;

Having regard to the Rules for the awarding of research fellowship grants, issued with Rector's Decree n. 3136 of 09/11/2018;

Having regard to the notice of expression of interest published by the CRUI Foundation on 21/02/2020 for the "Go for IT" project, funded by the Ministry of University and Research on FISR resources, aimed at financing, in favor of universities, of n. 80 research grants, lasting 12 months and amounting to € 30,000.00 each;

Considering that for the purposes of the University's participation in the initiative in question, each Department was invited to express interest in a maximum of two research grants that comply with the characteristics provided from the aforementioned notice;

Considering that, following an internal selection procedure, the University of Palermo has sent its expression of interest to the CRUI showing the list of six grants requested in order of priority with the indication exclusively of the scientific-disciplinary sector specified below:

- 1. Area 05 SCIENZE BIOLOGICHE
- 2. Area 13 SCIENZE ECONOMICHE E STATISTICHE



- 3. Area 01 SCIENZE MATEMATICHE E INFORMATICHE
- 4. Area 05 SCIENZE BIOLOGICHE
- 5. Area 05 SCIENZE BIOLOGICHE
- 6. Area 01 SCIENZE MATEMATICHE E INFORMATICHE

Considering that the CRUI Foundation, having acknowledged the Expression of Interest transmitted by the University, with a note acquired in the University protocol n. 54017 of 3 July 2020, communicated the financing of n. 2 research grants, worth € 30,000.00 each, for Area 05 - Biological Sciences and for Area 13 - Economic and statistical sciences, also asking the University to identify, for each of the funded research, a research project in the indicated subject areas.

Considering that, with reference to the research grant for Area 05 - Biological Sciences, the Department of Scienze Agrarie, Alimentari e Forestali SAAF, as proponent, sent, on 04/08/2020 with prot. n. 63198, the research project concerning the research grant of its competence, entitled: "Medicinal mushrooms as nutraceuticals for the health of humans and farm animals" (Scientific Responsible: Prof. Giuseppe Venturella), approved by Decree of Director of the aforementioned Department no. 66 of 07/31/2020, ratified in the meeting of the Department Council on 09/08/2020;

Considering that, with reference to the research grant for Area 13 - Economic and statistical sciences, the Department of Giurisprudenza, as proponent, sent, on 03/08/2020 with prot. n. 62755, the research project concerning the research grant of its competence, entitled: "Robotization of production processes and impact on the labor market in terms of automation risk, skills and wages" (Scientific Director: Prof. Michele Battisti), approved by Decree of the Director of the aforementioned Department no. 72 of 31/07/2020 for the approval of the aforementioned research project, ratified in the meeting of the Department Council on 17/09/2020;

Considering that the University, on the basis of the research projects proposed by the aforementioned Departments, submitted to the CRUI Foundation, with pec of 18/09/2020 prot. n. 73390, the application for funding of the two research grants for Area 05 - Biological Sciences and for Area 13 - Economic and statistical sciences;

Having regard to the pec of 13 October 2020 with which the CRUI Foundation confirmed the funding of the two research grants requested by the University, whose activities must be concluded without delay by 31 March 2022, therefore inviting the University to complete the selection by 28 February 2021;

Having regard to the documentation submitted by the Department of Giurisprudenza showing information relating to the research project for the grant regarding Area 13 - Economic and statistical sciences;

Considering that the funding awarded by the CRUI Foundation for the research grant AREA 13 - Economic and statistical sciences - GO For IT project of € 30,000.00 has been duly registered in the E.C. 2020 of the University - U-GOV code PJ GO FOR IT D17



DECREES

Art. 1 - Duration and amount of the research grant

A public selection procedure is called, based on qualifications and interview, for the assignment of n. 1 research fellowship grant for collaboration in research activities (Type B) as specified below:

- Scientific -disciplinary area: 13

- Scientific-disciplinary sector: SECS-P01

- Department of Giurisprudenza

Scientific Director: Prof. Michele Battisti

-Title: Productive process robotization and labor market impacts on automation risks, skills and wages.

- Description of the research:

The topic includes the analysis of the research question regarding how robotization and, more generally, the automation of production processes have a multidimensional impact on the labor market in terms of required skills, types of jobs and replaceable/complementary tasks/workers. The research includes data collection and construction of indicators and an economic analysis, in order to calculate the effects of this phenomenon on the labor market characteristics listed above. The aim is to understand how this overwhelming phenomenon had and can still influence inequality and relative unemployment among different types of workers/jobs in terms of education, sector of economic activity, jobs performed and other sizeable dimensions.

Research activities to be carried out abroad for 9 months:

The period of the abroad research activity implies the construction of the database with measures of automation and robotics, such as tasks and types of capital. An important dimension is, for instance, the combination of tasks performed by robots and types of jobs at risk of automation. Subsequently, the work should use this data to investigate both the phenomena of robotization of production processes and of complementarity between robots and precarious or more replaceable job skills.

The host site, the United Nations University UNU-Maastricht, has a large faculty that deals with issues related to economic development and the host professor of the agreement recently dealt with automation and globalization.

The host department will provide scientific collaboration in research, as well as use of all facilities and access to departmental services.

The VDMA company, which collects global data on robotization as IFR will support the research on specific data points and in the use the World Robotics Wizard.



Duration: 12 months (9 months to be carried out abroad)

Project Funds: Progetto "Go for IT" Fondazione CRUI - codice U-GOV PJ_GO_FOR_IT_D17.

CUP: B59C20001050001

The total gross amount for 12 months is equal to € 30.000,00 including the charges borne by the Administration and will be paid to the beneficiary in deferred monthly instalments.

The amount of the check includes the costs aimed at covering the stay abroad (including travel and insurance).

Travel expenses, stays, conference registration, insurance, food, etc. will not be reimbursed.

The Administration guarantees equality and equal opportunities for men and women for the assignment of the grant in question in accordance with the law of 10 April 1991 n. 125 and subsequent modifications.

Art. 2 - General admission requirements

Those who have obtained a research doctorate, relating to Area 05, within 10 years from the achievement of the master's or specialist degree and within 5 years from the deadline for submission can participate in the public selection announced for the award of the grant in question. They must be in possession of a professional scientific curriculum suitable for carrying out research activities.

Italian citizens who are excluded from the active political electorate cannot be admitted to the selection procedure.

Citizens of EU Member States and non-EU countries must also possess the following requisites:

- enjoy full civil and political rights in the states of belonging or provenance;
- be in possession, with the exception of the ownership of Italian citizenship, of all other requisites envisaged for Italian citizens;
- have adequate knowledge of the Italian language;
- have a working knowledge of the English language

Applicants must possess the prescribed requirements on the date of expiry of the deadline for the submission of the application for admission.

The University administration may at any time, with a motivated provision, decide the exclusion from the selection procedure due to the lack of the prescribed requirements.



Art. 3 - Application and deadline

The application for admission to the selection procedure, drawn up in free paper according to the to the notice (Annex 1, downloadable from http://www.unipa.it/amministrazione/direzionegenerale/serviziospecialericercadiateneo/u.o.assegnidiricer ca/struttura/modulistica.html - ALLEGATI DOMANDA ASSEGNI TIPOLOGIA B), signed by the candidate, scanned and accompanied by the other attachments downloadable from the aforementioned link and by the documentation deemed useful for the purposes of the assessment (in PDF format), should be addressed to the Servizio Speciale Ricerca di Ateneo, U.O. Assegni di Ricerca, University of Palermo, Piazza Marina n. 61 - 90133 Palermo and forwarded, no later than thirty days from the date of posting of this notice to the University notice board, by electronic means (by midnight of the thirtieth day), by personal PEC at the address: pec@cert.unipa.it.

The application form and the attached documents must be contained in a single PEC. For reasons related to the management of the certified e-mail box, the files to be sent attached to the PEC must have a maximum overall size of 30 MB. As regards the scientific works for which the evaluation is requested, the candidate is required to submit a specific substitutive declaration of certification in which, specifying whether he is the author or co-author, he must list them, number them and divide them by type. For each scientific work listed in the aforementioned list, the link through which the Commission can view it must be indicated.

The Administration is exempt from any responsibility for the non-receipt of the PEC sent by the candidates dependent on technical errors and / or causes not attributable to the same.

The obligation to sign by hand is considered fulfilled by attaching a copy of a valid identity document to the scan of the completed application and signed by the PEC holder.

For subjects belonging to the Member States of the European Union and non-EU countries, the application for admission to the selective procedure, signed with a digital signature and scanned, as well as the relative documentation requested (in PDF format) can be sent electronically from an address of ordinary e-mail by sending an e-mail to the following address: mail-protocollo@unipa.it. If it is not possible to sign with a digital signature, the obligation of handwritten signing, is considered fulfilled with validation of the application and declarations by handwritten signature before the interview.

In both of the cases described above, it is necessary to specify in the subject of the e-mail the following: "Public selective procedure for the assignment of a research grant, Scientific Responsible Prof. Michele Battisti - Progetto CRUI Go for IT – Area 13".

For the participation in the competition candidates are required, under penalty of exclusion, to pay within the deadline for submission of the application, a contribution for organizational costs in the amount of € 50.00. This contribution must be paid by bank transfer to c/c n. 000300004577 registered to the University of Palermo - Via Roma, 185 - 90133 Palermo - identification code of the treasury of the University of Palermo 9150300 - UniCredit S.p.A. - IBAN code IT09A0200804682000300004577 - SWIFT code: UNCRITMMPAE indicating in the reason for payment: "Contributo per la partecipazione alla procedura selettiva pubblica per l'attribuzione dell'assegno di ricerca di cui è responsabile Scientifico del progetto il Prof. Michele Battisti - Progetto CRUI Go for IT – Area 13".

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



In the application the candidates must indicate the selection call for which they intend to apply, the area and the scientific disciplinary sector (SSD) of reference of the research, the Department, the title of the research and the scientific director of the project; they must also declare under their own responsibility what is specified below:

- surname and name;
- place and date of birth;
- mailing address;
- residence;
- telephone number, e-mail box, social security number (or tax code, if any);
- citizenship;
- municipality on whose electoral lists they are registered, or the reasons for non-registration or cancellation from the same lists;
- to have no criminal convictions or to have ongoing criminal proceedings. In the opposite case, they must indicate the penal convictions reported or the criminal proceedings in progress, specifying whether amnesty, judicial pardon, pardon, etc. have been granted.
- degree held with the indication of the final mark and the date and the University in which it was awarded (candidates with a qualification obtained abroad that has not been declared equivalent, must expressly request a declaration of correspondence, only for the participation in the selection and attach the documents required by current legislation to enable the aforementioned declaration in question by the selection Committee);
- PhD title with indication of the date of achievement and of the issuing University. Candidates with a PhD qualification obtained abroad must send together with the application form the qualifications with certified Italian translation and legalization by the authorities of the Country issuing the title (except in the case of exemption under international agreements and conventions) Each qualification must also be accompanied by the "Declaration of value" ("Dichiarazione di valore") issued by the Italian diplomatic representation in the Country where the qualification was obtained. Where the title has been declared equivalent, the candidate must attach the relevant documentation);
- attendance, if any, of second-level masters courses, post-graduate specialization courses obtained both in Italy and abroad, attendance of high- specialization schools, organization of scientific meetings, periods spent at Italian and foreign scientific institutions;
- e-mail address, to which the communications relating to this selective procedure are to be transmitted;
- enjoyment of civil and political rights in the Country of origin or provenance, or reasons for exclusion from them (for EU citizens and non-EU citizens);
- adequate knowledge of the Italian language (for EU citizens and non-EU citizens);
- knowledge of english language (certified by certificate of level B1 or verified during the interview)
- non-existence of incompatibility pursuant to art. 11 of this announcement (otherwise the type of incompatibility must be indicated);
- to have or not have benefited from previous research fellowship grants pursuant to art. 22 of the law 240/2010;
- to have or not to have already been the holder of fixed-term research contracts (if any) pursuant to art. 24 of Law 240/2010.



In the application, candidates must also:

- 1. formally declare their willingness to carry out study and research activities abroad for the period and at the location provided for in the call;
- 2. be aware that the stay abroad provided for by the call may be, due to the worsening of the current health emergency situation, appropriately modified according to the procedures that will be established and subsequently communicated by the University, always in collaboration with the partners foreigners.

The qualifications submitted for evaluation must be sent in certified copy or accompanied by a replacement statement, pursuant to article 46 or of a declaration pursuant to article 47 of the aforementioned decree.

The data and documents held by the University of Palermo may be acquired *ex officio* if the candidate indicates the indispensable elements for obtaining the information or data requested. Candidates who hold only the degree must, on pain of exclusion from the competition, submit the documentation necessary to demonstrate they possess a scientific professional curriculum suitable for carrying out the research activity of this announcement.

Disabled candidates, according to the law of 5 February 1992, n. 104, will have to make explicit request, in relation to their handicap, with regard to the aid necessary to be able to sustain the interview.

The University administration assumes no responsibility for the dispersal of communications due to incorrect indication of the contact by the candidate or failure or late communication of the change of address and contanct indicated in the application, nor for any errors not attributable to the administration itself.

Applications missing both from the application form signed and drawn up according to annex 1 and from any other document required by the call under penalty of exclusion and applications sent after the deadline will be declared ineligible.

Art. 4 - Selection Committee

No later than 15 days from the deadline for submission of applications, the Board of the Department Council or the Board of the field office proposes the names of the members of the Selection Committee, (three full members and an alternate one), chosen among the professors or researchers (tenured or not tenured) of the University of Palermo belonging to the CUN area of research, including the Scientific Director of the project entitled to funding, with the role of President.

In the first meeting, the Commission of selection, appointed by decree of the Rector, preliminarily and explicitly establishes the criteria and methods for assessing qualifications and the conduct of the interview. Subsequently, after having received the documentation of the candidates from the office and having examined the list of the candidates, it inserts, during the second meeting, a declaration showing that the commissioners are not in a relationship of kinship or affinity up to the fourth degree included, among them and with the candidates and that therefore there are not the causes of abstention referred to in articles. 51 and 52 of the Civil Procedural Code. Then it



proceeds to the evaluation of the qualifications and the attribution of the relevant score, which is communicated to the candidates before the date of the interview.

The Committee must complete the work by February 15, 2021; it performs a comparative evaluation of the candidates based on the examination of the qualifications submitted by the same and an interview and draws up appropriate minutes according to the current selection regulations. The judgment of the Commission is unquestionable on the merits.

Art.5 - Selection

The selection is carried out through the evaluation of academic qualification and interview. Up to 70 points may be awarded to qualifications and up to 30 points to the interview. To be admitted to the interview, candidates must achieve at least 40 points out of 70 points for the qualifications. The interview is considered passed by candidates who have achieved at least 10 out of 30 available points.

Art.6 - Evaluation

The Committee will attribute the evaluation, expressed out of 100, according to the following criteria:

Titles

- up to 60 points for documented scientific activity according to the Unipa procedures for determining the status of active University researcher; theses and doctoral theses are excluded;
- up to 10 points for other qualifications (second level University master courses, post-graduate specialization courses obtained both in Italy and abroad, attendance of higher education institutions, organization of scientific meetings, periods spent at Italian and foreign scientific institutions).

Interview

Up to 30 points might be awarded for the interview, based on the discussion of the candidate's scientific production and aiming at ascertaining the level of scientific knowledge with respect to the research program of the research fellowship grant as well as the knowledge of the foreign language (for candidates who do not hold the level B1 certificate).

Art.7 Interview and ranking

The place, date and time of the interview will be communicated at least 20 days before in the most appropriate manner to the candidates who, at the time of submission of the application do not enclose a declaration attesting to waive the legal terms of notice. Candidates must bring at the interview a valid identification document.

At the end of each interview session, the Committee will exhibit at the examination site the list of the examined candidates with the indication of the mark awarded to each one.

The interview will be public.



The Committee will post up the ranking of merit in descending order, adding the score of the qualifications to that of the interview.

The Committee will complete its work and transmit the minutes, signed by each member, and all the relevant documents to the Servizio Speciale Ricerca di Ateneo - UO "Assegni di Ricerca" for further requirements.

The selection proceedings and the relative ranking of merit will be approved by decree of the Rector, and will be published, for a period of thirty days, on the official board of the University of Palermo.

Art.8 (Stipulation of the contract)

The research grant is established following the stipulation with the University of Palermo of an intellectual work contract pursuant to articles 2222 and following of the Civil Code.

The contract must be signed by the winner with a digital signature which must be affixed in PadES mode. The contract must be stipulated without fail by 31/03/2021.

The contract may provide for possible penalties in case of non-compliance with contractual obligations.

The activity of the research fellow should not be considered, in any case, a subordinate employment activity. Grants do not give rise to rights regarding access to the staff roles of Italian universities.

The winner is required to present himself for the stipulation of the contract within fifteen days of the convocation.

Failure to comply with this term will result in the loss of the right to the research grant.

Art. 9 (Service)

The winner is required to start the research activity the first day after the signature of the contract which must take place without fail by 31/03/2021.

The beginning of the activity is documented by the Director of the Department in which the person concerned must carry out his/her collaboration by sending a statement to the Servizio Speciale Ricerca di Ateneo — U.O.Assegni di Ricerca. For non-EU citizens the grant will start afterobtaining the entry visa for scientific research and from the very beginning of the research activity, however by 31/03/2021.

Art. 10 (Activities and evaluation of the research fellows)

The methods and characteristics related to the research, in accordance with the aims of the project, will be established in the contract.

The holder of the research grant:

- carries out the research activities foreseen by the contract, previously declared by the Department Board compatible with its own research programs;
- may participate in university research groups and projects, regardless of the funding body;
- can take part in all the activities planned by the Department or by the field office for the promotion of research and the dissemination of results;



- can be part of the examination Boards, being already expert in the subject for the teachings of the scientific-disciplinary field of reference, at the request of the scientific tutor of the research fellow and after the presentation of the proposal drawn up in accordance with art.2 of the regulations for the appointment of scholars;
- can perform university teaching assignments conferred through contracts;
- may perform a limited supplementary teaching activity (maximum 20 hours per year) with authorization from the Tutor, if assigned by the Board of a Degree Course;

The Department or field office must provide the research fellow with the necessary support for the realization of the research program, guaranteeing access to the equipment, the necessary resources and the needed technical - administrative services.

The research activity of the grant holder is carried out within the University facilities as well as at the facilities where the activity abroad specified in art. 1 of this announcement.

At the end of the period of enjoyment and in any case always, at the conclusion of the research activity before the pre-established deadline, the holder of the research fellowship must submit a report on the activity carried out by the scientific director of the project to the University Special Research Service accompanied by the assessment expressed by the Department Council in relation to the objectives set and accompanied by the scientific production, as well as the relative abstract that will be published online in order to make the information available to potentially interested parties outside the university, as required by the Go For IT Project .

Article 11 (prohibition of cumulation, incompatibility, interruptions)

The following categories cannot be holders of a research fellowship grant:

- a) the permanent employees of universities, institutions, public research and experimentation bodies, ENEA, ASI, as well as of institutions whose scientific advanced diploma has been recognized as equivalent to the Ph.D. qualification pursuant to article 74, fourth paragraph, of the Decree of the President of the Republic July 11, 1980, n. 382, unless termination of the relationship due to voluntary resignation in the case of attribution of the grant;
- b) those who have a degree of kinship or affinity, up to and including the fourth degree, with a professor belonging to the Department to whom the grant has been assigned or to the structure publishing the call or with the Rector, the General Manager or a member of the University Board of Directors.

The grant is individual.

The grant cannot be cumulated with any scholarships, with the exception of those granted by national or foreign institutions useful for integrating, with stays abroad, the research activity of the research fellows.

The holder of the grant cannot participate in 1st and 2nd cycle degree courses, university master courses, PhD courses with scholarship or medical graduate schools, in Italy or abroad; employees of public administration must put themselves on leave, before accepting the research fellowship grant.

Private employees, even if part-time ones, cannot benefit from research fellowship grants.

The holders of research fellowship grants cannot participate to university master courses.



Self-employment and occasional collaboration activities are compatible with the research grant only if previously authorized by the Board of the Department or of the field office, upon acquisition of the motivated opinion of the Tutor and provided that the further activity does not prejudice the regular conduct of the research activity.

The total duration of the research fellowship, including any renewal, cannot in any case exceed six years (DL 31.12.2014 n.192, converted into Law n.11 of 27.02.2015), excluding the period in which the fellowship coincided with a PhD course, within the maximum limit of the legal duration of the relevant course.

The total duration of the research fellowship or of non tenured university researcher contracts, also intervening with other public, private or distance-education universities, as well as with public research and experimentation bodies, ENEA and ASI it cannot in any case exceed twelve years even if non-continuous.

The periods spent on maternity leave or on leave for health reasons according to current legislation are not taken into account for the purposes of the duration of the aforementioned contracts.

Art.12 (termination of the grant and voluntary resignation)

In cases of serious non-compliance, reported by the Board of the Department, the contract can be immediately terminated by resolution of the Academic Senate, after hearing the interested party. The revocation is automatic in the following cases:

- failure to start the activity within the established term;
- unjustified suspension of the activity for a period longer than fifteen days;
- serious violation of the incompatibility regime;

In case of withdrawal from the contract, the holder of the grant is required to give thirty days' notice.

In the event of failure to give notice, the Administration will withhold or recover from the holder of the grant an amount corresponding to the remuneration for thirty days.

The winners of public selections that give rise to the placement in the roles of university personnel are not subject to the obligation of thirty days' notice.

Article 13 (Taxes, social security and insurance)

As established by art. 22 paragraph 6 of Law 240/2010, the provisions of art. 4 of the Law of 13 August 1984, n.476 and subsequent amendments and additions, as well as, in matters of social security, those pursuant to art. 2, paragraphs 26 and following, of the law of 8 August 1995, n. 335 and subsequent modifications do apply to research fellowship grants.

With respect to mandatory maternity leave for checks, the provisions of the Ministry of Labour and Social Welfare Decree of 12 July 2007, and, with regard to sick leave, article 1, paragraph 788, of the law of 27 December 2006, n. 296 and subsequent modifications are applied.

During the period of mandatory maternity leave, the indemnity paid by the INPS pursuant to article 5 of the aforementioned decree of 12 July 2007 is integrated by the University up to the total amount of the research fellowship grant.

The University provides to the holders of the research fellowship grant the insurance coverage for accidents and civil liability towards third parties in carrying out the research activity.



The amount of the relative premium is deducted from the grant.

Health care insurance is the responsibility of the researcher without any intervention by the University.

Art. 14 - Publicity of the selection procedure

The present announcement will be posted on the official board of the University of Palermo, (http://www.unipa.it/albo.html) and on the MIUR website (http://bandi.miur.it).

The announcement will also be accessible at the University of Palermo website at:

http://www.unipa.it/amministrazione/direzionegenerale/serviziospecialericercadiateneo/u.o.assegnidiricerca/bandi

Art.15 Processing of personal data

In application of EU Regulations 2016/679 the University undertakes to respect the confidential nature of the information provided by the candidate: "all data provided will be processed only for purposes related to and instrumental to the competition and to the possible stipulation and management of the contract with the University".

Art. 16 – Official in charge for the administrative procedure

Pursuant to the provisions of art. 5 of the law of 7 August 1990 n. 241 the official in charge for the selection proceedings referred to in this announcement is appointed in the person of Dott.ssa Stefania Crifasi - Head of the U.O. Assegni di Ricerca del Servizio Speciale Ricerca di Ateneo - email: stefania.crifasi@unipa.it.

Art. 17 Final provisions

For anything not provided for in this announcement, please refer to the Regulations and laws in force.

Palermo

THE RECTOR
Prof. Fabrizio Micari