

RECTOR'S DECREE N. 6643

Selection procedures to assign no. 7 research collaboration grants at Università Cattolica del Sacro Cuore

THE RECTOR

- having regard to the Statute of Università Cattolica del Sacro Cuore, issued by Rector's Decree of October 24, 1996, and subsequent modifications and integrations;
- having regard to the general regulatory norms of Università Cattolica del Sacro Cuore, issued by Rector's Decree of October 26, 1999, and subsequent modifications and integrations;
- having regard to Law 240 of December 30, 2010, in particular Art. 22;
- having regard to Ministerial Decree 102 of March 9, 2011;
- having regard to Rector's Decree 2778 of september 13, 2016, governing <<Modifications to the “Code of Conduct of Università Cattolica del Sacro Cuore”>>;
- having regard to Rector's Decree 4553 of July 11, 2018, governing the “Norms on the conferment and discipline of research grants in accordance with Art. 22 of Law 240 of December 30, 2010”;
- having regard to the resolutions adopted by the Boards of the Faculties;
- having regard to the resolutions adopted by the University Senate and University Steering Committee;

ORDAINS

Art. 1

Opening

The opening of selection procedures for the assignment of no. 7 research grants in the following Faculties of Università Cattolica del Sacro Cuore, for the following scientific-disciplinary sectors:

A) Research grants announced in accordance with Art. 22, Subparagraph 4, Letter A, of Law 240/2010

FACULTY OF LETTERE E FILOSOFIA

ACADEMIC DISCIPLINE: <u>L-ANT/02 GREEK HISTORY</u>	n. 1 position
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DURATION: one year; can be renewed.

TUTOR: Prof. Franca Landucci.

TITLE OF THE RESEARCH TOPIC: *The History of Hellenistic Kingdoms between the III and II century BC.*

BRIEF DESCRIPTION OF THE RESEARCH TOPIC: *In recent decades many studies on the hellenistic period have flourished, from the death of Alexander the Great to the Roman conquest. Given the fragmentation of Alexander's Empire in many independent territorial states, often struggling with each other, these studies have generally targeted a specific territorial reality, trying to analyze all the sources available to us, historiographical, epigraphical, and archaeological. The project aims to foster research on the development of the hellenistic kingdoms between the III and II centuries BC, when all the various dynasties had to confront Rome which, a few decades thereafter, actually became the dominant power in the eastern Mediterranean.*

SEDE: Milano.

B) Research grants announced in accordance with Art. 22, Subparagraph 4, Letter B, of Law 240/2010

FACULTY OF LETTERE E FILOSOFIA

ACADEMIC DISCIPLINE: <u>L-FIL-LET/10 ITALIAN LITERATURE</u>	n. 1 position
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DURATION: one year; can be renewed.

TUTOR: Prof. Andrea Canova.

TITLE OF THE RESEARCH PROJECT: *Lyrical texts of the early Renaissance: digital archives and new editing practices.*

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *Lyrical poetry is one of the most representative lines of Italian literary civilization between 15th and 16th century. Single poems and their structured gatherings constantly face Petrarch's Rerum vulgarium fragmenta, which are an effective example both for the single writings and for the full sylloges. It must be said, however, that the strict imitation of the Rvf became a rule only after Pietro Bembo's Prose della volgar lingua (1525) and that previous approaches to Petrarch were rather free. As a result, this kind of love poetry shows different degrees of psychological and historical realism: some texts are clearly untrue, and some others are just a pretext to convey more or less extraneous meanings to the reader. Not surprisingly, lyrical poetry is one of the most common ways through which men of letters communicate with the world, and achieve a sort of public image. In the last decades a good number of editions and essays have taken these elements into account, showing room for further investigations. It is necessary to get reliable editions of a larger number of texts, regardless to their literary merit. An historical and geographical approach is still essential to check how the intellectuals have used this genre to promote themselves and to get in touch with prominent circles. A closer look to the new results seems advisable, in order to gain a wider and more detailed landscape, and make it easily accessible to scholars, both in the traditional and in the digital way. Editions and commentaries in easily readable online formats would be usefully located in electronic archives. In the framework of PRIN 2017 "Lyric poetry books in the early modern Italy: digital archives and new editorial practices" (the project is carried out by four units: Roma "La Sapienza", Cattolica-Brescia, Università di Padova, Scuola Normale Superiore-Pisa) some cities will be considered as samples for a more global understanding of these cultural trends between early and late Renaissance. The Cattolica unit will examine Northern Italy, and specially the system of the courts (Milano, Ferrara, Mantova) and the main printing market (Venice). The unit will also gather and validate the results produced by the other units, trying to enhance the online publishing methods as much as possible.*

SEDE: Brescia.

FINANCING: PRIN 2017

FACULTY OF SCIENZE AGRARIE, ALIMENTARI E AMBIENTALI

ACADEMIC DISCIPLINE: <i>AGR/13 Agricultural chemistry</i>

n. 1 position

DURATION: one year; can be renewed.

TUTOR: Prof. Luigi Lucini.

TITLE OF THE RESEARCH PROJECT: *Valorization of cheeses from the mountains: chemical*

profiling and sensorial properties.

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *Application of analytical approaches based on high-resolution mass spectrometric analysis for characterizing the chemical profile of compounds in milk and grana cheese from mountain farming, as compared to intensive productions. The focus will be towards high-throughput novel approaches targeting markers of animal nutrition and their link to sensorial profile.*

SEDE: Piacenza.

FINANCING: Regione Emilia-Romagna

FACULTY OF SCIENZE AGRARIE, ALIMENTARI E AMBIENTALI

ACADEMIC DISCIPLINE: <i>AGR/ 15 Food science and technology</i>	n. 1 position
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DURATION: one year; can be renewed.

TUTOR: Prof. Giorgia Spigno.

TITLE OF THE RESEARCH PROJECT: *NEWPACK - New biobased films for packaging*

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *The research deals with the development of new competitive and sustainable bio-based plastics for the food sector. The overall objective is to validate in industrial setting the production of at least two new bioplastics based on PHB/PLA blends with improved sustainability performance, obtained by the addition of natural extracts with antioxidant/ antibacterial properties and nanoadditives from cellulose and chitin. The applicant will have to show specific competences to be able to work on the definition, modelling and simulation of the production processes developed under the project for their optimisation and technical-economic analysis. The applicant will also work on the encapsulation of natural antioxidant/antimicrobial extracts to obtain additives suitable for incorporation into functional coatings for bioplastics. The applicant will have to assist the production of the developed materials at pilot scale and product validation in food companies at pilot scale, after verification of food contact compliance according to current European legislation.*

SEDE: Piacenza.

FINANCING: Programma H2020 – BBI

FACULTY OF SCIENZE AGRARIE, ALIMENTARI E AMBIENTALI

ACADEMIC DISCIPLINE: <u>AGR/ 16 Agricultural Microbiology</u>	n. 1 position
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DURATION: one year; can be renewed.

TUTOR: Prof. Pier Sandro Cocconcelli.

TITLE OF THE RESEARCH PROJECT: *Bio-protective cultures and bioactive extracts as sustainable combined strategies to improve the shelf-life of perishable Mediterranean food (BioProMedFood).*

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *The project focuses on the application of sustainable strategies to prolong shelf life of perishable Mediterranean food and to enhance food safety. The study aims to isolate and select functional bio-protective lactic acid bacteria (LAB) strains from spontaneous artisanal fermented meats, characterization of their inhibiting activity against foodborne pathogens and their fermentation performances in order to select bio-protective and improved functional starter cultures. Additionally, the LAB isolates with a potential as protective cultures will be tested together with bioactive compounds from different matrices, important for Mediterranean economy and characterized by a great biodiversity potential (i.e. macro algae, process by-products from olive, grape and fruits) against pathogens in sausage models or in pilot scale productions. Traditional microbiology methods, challenge-tests together with molecular genomic and proteomics will be applied.*

SEDE: Piacenza.

FINANCING: Ministero dell'Università e della Ricerca (M.U.R.),

FACULTY OF SCIENZE AGRARIE, ALIMENTARI E AMBIENTALI

ACADEMIC DISCIPLINE: <u>AGR/17 Livestock systems, animal breeding and genetics</u>	n. 2 positions
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DURATION: one year; can be renewed.

TUTOR: Prof. Paolo Ajmone Marsan.

TITLE OF THE RESEARCH PROJECT: *LEO: Livestock Environment open data.*

BRIEF DESCRIPTION OF THE RESEARCH PROJECT: *The LEO project aims to characterize the phenotypic biodiversity of Italian livestock species. For this purpose, LEO will develop and implement precision farming technologies, in particular based on NIR and MIR systems, for the collection of phenotypes important for economic and environmental sustainability and for animal welfare in livestock farms. In a first phase zootechnical and sanitary phenotypes to be measured will be identified, and the protocols necessary for their validation developed. Then, NIR/MIR curves will be*

calibrated using a set of standard samples and validated protocols. Finally the validated parameters will be collected on a large scale through the AIA system and rechecked on a sample basis. The project will also develop an open data platform with internal data quality control systems. The collected data will finally be analysed to evaluate and represent the phenotypic biodiversity existing within and between breeds in the different zootechnical species, made available to national selection programs and disseminated through scientific and popular publications.

SEDE: Piacenza.

FINANCING: Progetto di ricerca - LEO: *Livestock environment open data*

Art. 2 Admission requirements

Application for participation in the competition is open to Italian and foreign candidates holding a four-year university degree* or a Master's degree obtained in an Italian, EU or foreign university.

A PhD or equivalent qualification obtained abroad, if not otherwise specified, are preferential qualifications for participation in the selection procedures.

Applicants subject to any of the causes of incompatibility set forth in the Code of Conduct of the University cannot participate in the public competition.

The following candidates cannot participate in the public competition either:

- those who had contracts as research grant holders, in accordance with Art. 22 of Law 240 of December 30, 2010, for a period which, added to the expected duration of the contract announced, exceeds four years on the whole, with the exclusion of the period in which the grant was enjoyed while doing a PhD without scholarship, to the maximum extent of the legal duration of the corresponding programme;
- those who had contracts as research grant holders/fixed-term researchers, in accordance with Articles 22 and 24 of Law 240 of December 30, 2010, with the University or the bodies referred to in the first line of the following paragraph, for a period that, added to the expected duration of the contract announced, exceeds twelve years on the whole, even if not on a continuing basis. For the

* As obtained before the below-mentioned reference frames. For EU citizens the frame of reference is constituted by the Bologna process and in Italy it is regulated by Ministerial Decree 509 of November 3, 1999.

purposes of the duration of the aforementioned relations, the periods spent on maternity leave or on health leave are not considered according to current legislation.

The following positions are incompatible with the awarding of contracts:

- permanent staff of universities, institutions and public research and experimental bodies, of the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) and the Italian Space Agency (ASI), and of institutions whose degree of scientific specialisation is recognised as equivalent to the qualification of Doctor of Philosophy, in accordance with Art. 74, fourth Paragraph, of Presidential Decree 382 of July 11, 1980;
- holders of scholarships awarded for any purpose, with the exception of those awarded by national or foreign institutions with the aim of integrating research activity with stays abroad;
- students enrolled in university programmes, Master's degree programmes, Postgraduate programmes, or doctoral programmes with scholarship or medical specialisations, in Italy or abroad.

Exclusion due to lack of admission requirements shall be ruled by Rector's justified provision.

Art. 3 Submission of application

Applicants must submit documented application on unstamped paper, as indicated in **Annex A**.

A signed copy of the application form must be delivered:

- sent by registered mail, or express mail, with return receipt to the following address: Università Cattolica del Sacro Cuore, Servizio personale docente e tecnico amministrativo (Ufficio Amministrazione Concorsi) - Largo Gemelli, 1 - 20123 Milano, **by september 30, 2020**. Receipt of applications shall be validated by post office date stamp
- sent by certified mail at risorse.umane@pec.ucsc.it **by September 30, 2020**.

This public announcement is published on the official notice board of Università Cattolica del Sacro Cuore, on the MIUR website at <http://bandi.miur.it>, and on the website of Università Cattolica del Sacro Cuore at <http://progetti.unicatt.it/progetti-ateneo-milano-brescia-piacenza-e-cremona-assegni-di-ricerca-legge-240-2010-art-22#content>

Art. 4
Contents of the application

In the application form, candidates shall precisely indicate:

- 1) surname and name;
- 2) place and date of birth;
- 3) fiscal code (the University shall determine the fiscal code of foreign candidates that cannot indicate it);
- 4) place of residence;
- 5) citizenship;
- 6) for Italian citizens: registration in the electoral roll stating the municipality of registration, otherwise, the reasons for non-registration or cancellation; for non-Italian citizens: declaration of the enjoyment of civil and political rights in their country of belonging or origin;
- 7) to have no criminal record; otherwise, any convictions (specifying the details of the relative sentences) and any pending criminal proceedings;
- 8) to have been neither dismissed from employment at any Public Administration due to persistent poor performance, nor declared no longer entitled to public employment in accordance with Art. 127, Letter d) of Presidential Decree 3 of January 10, 1957, and subsequent modifications and integrations;
- 9) not to be subject to any of the causes of incompatibility referred to in Art. 2 of the public announcement;
- 10) not to be subject to any of the causes of incompatibility set forth in the Code of Conduct of the University;
- 11) the competition of application (specifying Faculty, scientific-disciplinary sector and **research project** presented relative to the topics covered by the public announcement (**only for grants referred to in Art. 1, Letter**)).

In the application form, candidates may elect a special domicile for communications from the University Administration. Any changes in the above-stated domicile must be promptly notified to Servizio personale docente e tecnico amministrativo (Ufficio Amministrazione Concorsi) of Università Cattolica del Sacro Cuore - Largo Gemelli, 1 - 20123 Milano.

Candidates with recognised disabilities must specify in their application the aid required in relation to their disability and (if any) the need for additional time for test completion in accordance with Law 104 of February 5, 1992.

The University Administration shall not be responsible for unavailability of applicants

and loss of communications due to incorrect contact information provided by applicants or to absent or delayed notification of any changes in the address indicated in the application form.

The University Administration shall not be responsible for any failed or late delivery of communications concerning the selection procedure due to reasons not attributable to the Administration itself, but to postal or telegraph service errors, third parties, unforeseeable circumstances or force majeure.

Art. 5

Attachments to the application form

The application must include:

- scientific and professional *curriculum*, and list of publications if any;
- qualifications and publications (if any) that candidates wish to present for evaluation;
- **research project** relative to the topic covered by the public announcement (**only for grants referred to in Art. 1, Letter A**)
- photocopy of an identification document;
- photocopy of fiscal code.

Candidates with Italian or EU citizenship may submit qualifications in original or certified copy; otherwise, where allowed by Articles 46 and 47 of Presidential Decree 445 of December 28, 2000, by substitutive declarations of certification or substitutive declarations of affidavit attesting conformity of the copies on unstamped paper to the original.

Non-EU citizens legally residing in Italy may use the substitutive declarations referred to in the above mentioned Articles 46 and 47 as limited to personal qualities and status and to facts certifiable or attestable by Italian public bodies.

Non-EU citizens authorised to stay in Italy may use the substitutive declarations referred to in the above mentioned Articles 46 and 47 in those cases in which they are submitted under the application of international conventions between Italy and the country of origin of the registrant.

In the remaining cases, non-EU citizens shall document personal qualities and status and facts through certificates or statements issued by the competent authority of the foreign State.

Certificates and statements referred to in the preceding paragraph written in a foreign language must be accompanied by a translation into Italian certified by the Italian consular authority, stating that it conforms to the original.

The Administration reserves the right to carry out appropriate checks on the veracity of the contents of the substitutive declarations.

Documents, qualifications and publications already submitted to the University may not be referred back to.

Art. 6 Examination Panel

The Examination Panel is appointed by the Rector. It consists of three members:

- a teacher, selected by the Faculty Board of the Faculty concerned, and two (associate or full) professors selected respectively by
 - the Dean of the Faculty concerned;
 - the Director of the Department/Institute at which research activity shall be conducted

Art. 7 Evaluation of candidates

The selection procedure evaluates candidates' submitted qualifications, and includes an interview.

The Examination Panel evaluates candidates on a one-hundred-point scale; available points are to be assigned as follows:

- a) **for research grants referred to in Art. 1, Letter A**), max. sixty points for qualifications and research project; max. forty points for the interview;
- b) **for research grants referred to in Art. 1, Letter B**), at least forty points for qualifications; the remaining points for the interview.

In its first meeting, the Examination Panel determines the criteria for candidates' evaluation complying with the provisions of the public announcement and what follows below.

The Examination Panel may also set a minimum score for admission to the interview.

In compliance with the above indicated criteria, published at <http://milano.unicatt.it/concorsi-assegna-di-ricerca-legge-240-2010-art-22>, the Examination Panel evaluates each candidate's

- scientific and professional *curriculum*;
- qualifications and publications submitted, and their pertinence to the scientific-disciplinary area and/or scientific-disciplinary sectors covered by the public announcement;
- research project relative to the topic covered by the public announcement, only for

grants referred to in Art. 1, Letter A of this public announcement.

If the date of the interview is not specified in this public announcement, candidates are summoned for interview by registered mail with return receipt not less than twenty days prior to the scheduled date for their interview on the scientific activity conducted.

Under the same terms outlined in the preceding paragraph, candidates who have not reached the minimum score required by the public announcement are given notice of non-admission to the interview.

During the interview, knowledge of the language or languages required (if any) is also ascertained; foreign candidates' (at the least) instrumental knowledge of Italian, if required, is ascertained.

At the end of its activity, the Examination Panel compiles a ranking based on the sum of the scores obtained by each candidate in the evaluation of qualifications and the interview. In the case of a tie, the younger candidate prevails.

The Examination Panel's files consist of the minutes of each meeting.

The files of the evaluation procedure are approved by Rector's decree.

Art. 8 Conferment

For the purposes of the awarding of the research grant, the Ecclesiastical Assistant General verifies, through a dedicated interview, the adherence of the first candidate in the ranking to the guiding principles of the University.

The grant is awarded by the Rector through the stipulation of a specific contract.

In case of non-acceptance, the grant is awarded to the following candidate in the ranking.

Art. 9 Obligations

Grant holders are required to conduct a research programme or a phase thereof under the guidance of a tutor.

Grant holders are also required to comply with the guiding principles of the University Statute and the Code of Conduct of the University.

Grant holders shall not:

- have other employment contracts;
- engage in self-employed activity, project-related or freelance;
- carry out occasional work that, upon the opinion of the tutor, has not been authorised in advance and communicated to the Dean of the Faculty concerned by

the Director of the Department / Institute at which the grant recipient conducts research activity.

Grant holders operate at their tutor's facility of belonging, or at the facility specified in the public announcement (if any), making use of the equipment and services available. Subject to the approval of the tutor, research activity may be conducted at other University facilities or at qualified Italian and foreign research facilities.

Art. 10

Assessment of conducted activity

Within 60 days from the end of each year of activity, the tutor shall submit the Board of the Department / Institute at which the grant holder is carrying out research activity a report containing a detailed and justified assessment of the results of activity conducted.

Upon this occasion, in the case of grant expiration, the tutor may propose its renewal.

Art. 11

Grant renewal

Within 30 days before the date of grant expiration, the Board of the Faculty concerned, on the basis of the tutor's report and the opinion of the Board of the Department / Institute, approves its renewal, if any.

Research grants shall not be renewed for less than a year.

Art. 12

Economic conditions

The annual gross amount of the grants is determined by resolution of the Board of Directors, on the basis of the minimum amount established by Ministerial Decree.

Grants are paid out monthly, and for the predetermined amount after the cost of the appropriate compulsory personal insurance policy stipulated by the University against accidents that may occur during presence at the University venues.

The grants are exempt from *IRPEF* (income tax) in accordance with applicable law, and subject, for what concerns social security, to the laws in force.

Art. 13

Contract termination

The grant is withdrawn and the related contractual relation is terminated before expiration by Rector's decree:

- in cases of non-observance of the obligations referred to in Article 9;

- in case there arises any of the reasons for inadmissibility referred to in Article 2;
- in the event of negative assessment of activity conducted.

Subject to attested notification to the person concerned, the Rector's decree is issued upon the resolution of the Board of the Faculty on proposal of the tutor or Dean, and after consultation with the Board of the Department / Institute at which the grant holder carries out research activity.

Art. 14 **Patenting**

Any realisation, during the activity, of an innovation, on the part of the holders of the contracts referred to in the norms, that may be patentable is governed in accordance with current legislation and regulations adopted by Università Cattolica.

Art. 15 **Transitory norms**

With their consent, grant holders may be assigned integrative and curricular didactic activities. These activities are assigned by the Faculty concerned, subject to the approval of the Director of the Department / Institute at which the grant holder carries out research activity. The integrative and curricular didactic activities assigned shall not exceed 30 hours per year, and are covered by the grant emoluments.

The conferment of grants does not constitute any form of employment nor awards rights of access to university positions.

To grants awarded prior to the entry into force of the Norms on the conferment and discipline of research grants in accordance with Art. 22 of Law 240 of December 30, 2010 continue to apply the laws and regulations in force at the time of their conferment.

Art. 16 **Responsibility for procedure**

The person in charge of the procedure of this public announcement, in accordance with Articles 4, 5 and 6 of Law 241 of August 7, 1990, is Dr. Cristian COLNAGHI - Servizio personale docente e tecnico amministrativo (Ufficio amministrazione concorsi) - Largo A. Gemelli, 1 - 20123 MILANO (phone no. 02/7234.3813 – fax no. 02/7234.2972 – email address: uff.concorsi@unicatt.it).

Art. 17 **Final provisions**

For any matters not covered by this public announcement, the current university legislation applies as compatible.

Milano, august, 31 2020

IL RETTORE
(Prof. Franco Anelli)