



RESEARCH AREA
Research training office

COMPARATIVE EVALUATION PROCEDURE FOR THE GRANTING OF RESEARCH FELLOWSHIP CONTRACTS FOR RESEARCH ACTIVITIES FOR THE FACULTY OF AGRI-FOOD AND ENVIRONMENTAL BIOSCIENCES AND TECHNOLOGIES, LAW, POLITICAL SCIENCES AND VETERINARY MEDICINE - ECOSYSTEM OF INNOVATION PROJECT WITH THE TITLE "INNOVATION, DIGITALIZATION AND SUSTAINABILITY FOR THE DIFFUSED ECONOMY IN CENTRAL ITALY" - IDENTIFICATION CODE ECS0000041 - VITALITY (CUP C43C22000380007).

THE RECTOR

- GIVEN** the Law of 30 December 2010, no. 240 and, in particular, art. 22;
- GIVEN** the Ministerial Decree of 9 March 2011, no. 102, with which the gross annual amount of the aforementioned research fellowships was recalculated;
- GIVEN** the Law of 12 November 2011, no. 183 and, in particular, art. 15, relating to urgent formalities for the application of the new provisions on certificates and self-declarations;
- GIVEN** the Rector's Decree 9 February 2017, no. 32, with which the regulation of research fellowships was issued, and, in particular, art. 2, second point (finalized research fellowship);
- GIVEN** the Regulation (EU) 2016/679 of the European Parliament and of the Council, of 27 April 2016, concerning the protection of individuals with regard to the processing of personal data, as well as the free circulation of such data and which repeals Directive 95/46 / EC (General Data Protection Regulation);
- GIVEN** the MUR Notice referred to in the Directorial Decree no. 3277 of 30.12.2021 Public notice for the presentation of Intervention Proposals for the creation and strengthening of "innovation ecosystems", construction of "R&D territorial leaders" - Innovation Ecosystems - as part of the National Recovery Plan and Resilience, Mission 4 Education and research - Component 2 From research to business - Investment 1.5, funded by the European Union - NextGenerationEU and the relative Decree for admission to funding D.D. no. 1057 of 23 June 2022;
- GIVEN** the resolution of the Board of Directors of 07.05.2022 which authorized the establishment of the VITALITY Foundation for the management of the Innovation Ecosystem HUB;
- GIVEN** the Decree of admission to the financing D.D. no. 1057 of 23 June 2022, which approved the loan of € 115.996.558,73 for the realization of the Innovation, digitalisation and sustainability for the diffused economy in Central Italy - VITALITY project;
- GIVEN** the note dated 22/09/2022 with which the compulsory deed signed on 3 August 2022 was acquired, accepting the terms and conditions of the Decree granting the facilities (D.D.no.1057 of 23 June 2022) and that dictates the time schedule for the implementation of the MUR Vitality project, identifying September 2022 as the month for calling the recruitment procedures;
- GIVEN** the resolutions of the Academic Senate and the Board of Directors in the sessions of 27 and 28 September 2022, in which the political bodies approved the implementation of the project - Innovation Ecosystem entitled "Innovation, digitalization and sustainability for the diffused economy in central Italy "- identification code ECS0000041 -VITALITY and have approved the activation of the procedures referred to in this call;
- GIVEN** the resolution of the Council of the Faculty of Political Sciences of 29 September 2022, sent with note no. 26799, which approved the activation of one research fellowship contract in the SSD SECS-S / 03 (Economic Statistics);
- GIVEN** the resolution of the Council of the Faculty of Biosciences and agri-food and environmental technologies of 28 September 2022, sent with a note of 30 September 2022, which approved the activation of six research

fellowships contracts in the AGR / 16 SSDs (agricultural microbiology), AGR / 16 (agricultural microbiology), AGR / 19 (special animal husbandry), CHIM / 01 (analytical chemistry), VET / 02 (veterinary physiology), AGR / 01 (economy and rural appraisal);

GIVEN the resolution of the Council of the Faculty of Law of 22 September 2022, sent with a note of 4 October 2022 no. 27302, which approved the activation of three research fellowships in the following SSDs: IUS / 04 (Commercial Law), IUS / 06 (Navigation Law) and SECS-P / 07 (Business Administration);

GIVEN the decree of the dean of the faculty of veterinary medicine n.3 of 10 October 2022 with which the proposal for the activation of 4 research grant contracts in the BIO / 10, AGR / 18, and 2 VET sectors is approved / 09

NOTING that, due to project requirements, all contracts will take effect on December 30, 2022.

DECREES

Art. 1

The comparative assessment procedure is launched for the awarding of 14 research fellowships, as part of the Ecosystem of Innovation project entitled "Innovation, digitalization and sustainability for the diffused economy in central Italy" - identification code ECS00000041 -VITALITY - in the areas and scientific-disciplinary sectors indicated in the annexes.

Art. 2

General admission requirements

Those who fulfil the requirements set out in the attached forms can participate in the comparative assessment procedure.

Furthermore, non-European Union citizens who are in possession of a similar academic qualification obtained abroad, previously recognized by the competent authorities in accordance with current legislation, may participate.

In the absence of the requirements, the candidate may be excluded at any procedural time with a note from the person in charge of the procedure; any admission must therefore be considered in any case made with reserve.

Art. 3

Incompatibility

Pursuant to art. 8 of the University Regulations for research fellowships, cannot be the holder of a research fellowship:

a) permanent staff at universities, institutions and public research and experimentation bodies, the National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) and the Italian Space Agency (ASI), as well as the institutions whose scientific specialization diploma has been recognized as equivalent to the title of research doctor pursuant to article 74, fourth paragraph, of the decree of the President of the Republic of 11 July 1980, no. 382;

b) staff serving in public administrations other than those referred to in point a), without prejudice to the possibility of benefiting from the research fellowship after placement on unpaid leave at their own administration, for the duration of the fellowship;

c) students enrolled in bachelor's, specialist or master's degree courses;

d) PhD students with scholarships;

e) students enrolled in Specialization Schools. For those enrolled in Specialization Schools who are successful in the research fellowship, the suspension of the course of study until the end of the fellowship is applied;

f) those enrolled in postgraduate and master courses in Italy and abroad only if incompatibility with the use of the research fellowship is expressly provided for in the calls for enrollment in these courses.

Those who will be awarded of research fellowship in this insolvency procedure will not be able to hold legal positions or carry out activities declared incompatible pursuant to the aforementioned article.

The fellowships covered by this announcement cannot be combined with scholarships awarded for any reason, except for those granted by national or foreign institutions useful for integrating, with stays abroad, the research activity of the holders.

Pursuant to art. 3, last paragraph of the University Regulations for research fellowships, cannot be the holder of a research fellowship: those who have a degree of kinship or affinity, up to and including the fourth degree, with the

scientific manager of the research grant, with a professor or researcher belonging to the Faculty or to the structure where the research fellowship is located, with the Rector, the General Director or a member of the University's Board of Directors, without prejudice to further incompatibilities pursuant to the legislation current.

Art. 4

Application and submission deadline

To participate in the procedure referred to in this call, the candidate must complete the appropriate application following the scheme in Annex A, published, together with the call and the information pursuant to art. 13 of the EU Regulation no. 2016/679, on the website www.unite.it. The application must be delivered by hand or by post to the General Affairs Office (Protocol Office) of the University of Teramo (Via R. Balzarini n.1 - Teramo) or sent by certified e-mail to the address **protocollo@pec.unite.it** by the peremptory deadline of **Thursday 10 November 2022** at 11:00 am (Italian time). For applications delivered by hand or by post, the entry stamp of the protocol office will be valid and must be affixed no later than 11:00 on the deadline day.

In the application form, the interested party must declare under his own responsibility:

- a) surname and first name;
- b) the date and place of birth;
- c) the tax code;
- d) the residence, with the indication of the street, the house number, the city, the province, the postal code;
- e) the citizenship possessed;
- f) the degree held, the University at which it was obtained, as well as the date of achievement;
- g) the required foreign language (English);
- h) not to have a relationship of marriage, kinship, affinity, up to and including the fourth degree, with the scientific manager of the research fellowship, with a professor or researcher belonging to the Faculty or to the structure where the fellowship is located research, with the Rector, the General Director or a member of the University's Board of Directors, and not to find themselves in further situations of incompatibility pursuant to current legislation;
- i) the address where you wish to send any communications relating to the competition that is the subject of the application, as well as the telephone number and the commitment to make known any subsequent changes.

The interested party must attach to the application:

- 1) a curriculum vitae;
- 2) a photocopy of the tax code card;
- 3) a photocopy of an identity document.

Academic qualifications and any professional qualifications to be evaluated must be presented in the form of a self-certification, pursuant to art. 46 of Presidential Decree 445/2000, by filling in the appropriate annex B.

The publications can be submitted in copies declared conform to the original by means of a certificate signed by the candidate in accordance with the Presidential Decree 28 December 2000, no. 445, using Annex C or in original.

For the other qualifications for which evaluation is requested, these can be presented in a copy declared conform to the original by means of a certificate signed by the candidate pursuant to Presidential Decree 28 December 2000, n. 445, using Annex C.

Acts and documents in a foreign language (except publications) must be accompanied by an Italian translation certified as conforming to the foreign text, drawn up by the competent diplomatic or consular representation, or by an official translator.

The candidates with disabilities, to obtain, in accordance with the provisions of art. 20 of the law 5 February 1992, no. 104, the granting of the aids necessary in relation to one's handicap, as well as any additional time for carrying out the interview, must attach the relative medical-health certification to the application form.

The candidate must put his signature at the bottom of the application, under penalty of exclusion.

Without prejudice to the cases of exclusion expressly indicated in the announcement, the regularization of applications may be requested at any time which, signed and sent within the deadline, should prove to be formally irregular due to remediable defects, inaccurate or non-compliant with the application form attached to this decree.

The Administration assumes no responsibility for the dispersion of communications resulting from incorrect indication of the address by the applicants or from failure or late communication of the change of address indicated in the application or for any postal or telegraphic errors or in any case attributable to third parties, fortuitous event or

force majeure.

Art. 5

Evaluation of qualifications and interview

According to the provisions of art. 15 of the University Regulations for grants for research fellowships, the evaluation of qualifications and the interview will be based on criteria previously established by the Commission of selection, with the award of a maximum of 100 points.

The work of the Commission and the conduct of the interview may take place, at the discretion of the Commission itself, electronically.

The evaluation of qualifications must precede the interview.

The **interview**, which will be held on **Wednesday 7 December**, is aimed at ascertaining the candidate's degree of preparation in the specific scientific-disciplinary sectors and his aptitude for carrying out scientific research.

Furthermore, the candidate must demonstrate sufficient knowledge of the required foreign language.

The diary of the interview with the indication of the time and its procedure, will be published on the University website. This communication will have the value of notification in all respects to the candidates.

The non-presentation of the candidate on the days established for the exams, even if due to force majeure, will be considered equivalent to an explicit declaration of renunciation of this selection procedure.

To take the interview, candidates must present themselves with a suitable identification document.

Art. 6

Commission of selection

The Commission of selection, appointed by Rector's decree on the proposal of the scientific director of the project, will be composed of three teachers.

The Commission may be integrated with linguistic experts and may make use, at no additional cost to public finance, of highly qualified Italian or foreign auditors from outside the University.

At the end of the work, the Commission will compile the general merit ranking based on the scores obtained by the candidates in the individual assessments, in descending order of the overall vote. With the same score, preference will be given to the candidate with less age.

Art. 7

Approval of the acts

Within thirty days from the delivery of the minutes by the commission of selection, the Rector will verify the regularity of the documents and approve the general merit ranking.

In the event that irregularities are found, the Rector will send the minutes back to the Commission for regularization with a motivated provision, establishing the deadline.

The decree will be included in the Official University Collection and published on the University website.

Art. 8

Contract

The winning candidate will be invited to stipulate, within the peremptory deadline of ten days, which runs from the date of notification of the communication of the grant award, a specific contract governing collaboration in the research activity.

Anyone who fails to sign the contract within the aforementioned term will be considered a renouncer. In this case, the next candidate in the ranking will take over.

The contract may be renewed annually upon expiry, for the continuation of the same research, for up to three years based on the progress and results of the project.

Art. 9

Research fellowship

The amount of the fellowship is determined at € 19,367.00 (nineteen thousand three hundred and sixty-seven/00 euros) gross per year, including the share relating to the INPS social security contribution, separately managed, to be paid by the researcher.

This amount will be paid to the beneficiary in deferred monthly installments.

The research fellowship cannot be combined with others or with scholarships awarded for any reason, except those granted by national or foreign institutions, useful for integrating research activities with stays abroad.

Art. 10

Treatment of personal data

Pursuant to Regulation (EU) 2016/679, the data provided will be processed by the University of Teramo solely for the purposes of managing this procedure in order to guarantee its security, integrity and confidentiality.

The data controller is the University of Teramo.

The provision of data is mandatory for participation in the procedure referred to in this announcement. When collecting data, the data subject is provided with the information attached to this notice relating to the processing of the same and authorization for the processing of data is also required.

If the consent to the processing of personal data, requested from the candidate in the application form, is not given in a clear, unambiguous and explicit manner, the same will be excluded from the selection procedure.

To exercise the rights provided for by EU Regulation 2016/679, relating to this procedure, the interested party may contact the data protection officer at the University of Teramo who can be contacted at the email address rp@unite.it or by sending a registered letter with return receipt to the University of Teramo, - GDPR Office - Via Balzarini, 1 64100 Teramo.

This announcement is published on the University website

Art. 11

Return of documents and publications

Candidates not properly placed in the ranking will be able to collect any publications and documents deposited at this University at their own expense, in any case no later than six months from the conclusion of the procedure.

After this deadline, this University will dispose of the material in question according to its needs, without any responsibility towards the candidates themselves.

Art. 12

Publication

This notice will be published on the website of the University of Teramo (www.unite.it) and on the sites required by current legislation.

Art. 13

Responsible for the procedure

Pursuant to the law of 7 August 1990, no. 241, the person in charge of the procedure referred to in this announcement is Dr. Miriam Tullii - Head of Research Area - via R. Balzarini no. 1 - Coste S. Agostino Campus - 64100 Teramo (tel. 0861 / 266307-6335 - assegni@unite.it).

THE RECTOR

Prof. Dino Mastrocola

ANNEX A

Facsimile of the application
(to be completed on plain paper)

To the Magnificent Rector

The undersigned surname first name asks to be admitted to participate in the comparative assessment procedure for the awarding of a research fellowships, possibly renewable for another two years, for collaboration in research activities at the Faculty of _____, in the scientific-disciplinary sector: _____ with Tutor prof. _____ referred to in Annex no. _____ announced with D.R. no. 592 of 11 October 2022.

For this purpose, aware that false documents and false declarations are punished, pursuant to and for the purposes of art. 76 of the Presidential Decree 28 December 2000, no. 445, from the penal code and from the special laws on the matter, declares under its own responsibility:

- 1) to be born on at prov. country
- 2) to have the following tax code:
- 3) to be resident in prov. Street house number zip code telephone, mobile, e-mail
- 4) to be in possession of the following citizenship:
- 5) to be in possession of a university degree in accordance with the didactic regulations providing for the Ministerial Decree no. 509/1999 in, achieved on at; that is: to be in possession of the specialist degree / master's degree in, obtained on at; that is: to be in possession of the following qualification, obtained on at and to have taken steps to acquire, pursuant to Law no. 29/2006, the favorable opinion of the Ministry of Education, dated (this declaration must be made only by citizens belonging to the European Union); that is: to be in possession of a qualification obtained on at and recognized with a provision of the Academic Authority issued on (this declaration must be made only by citizens not belonging to the European Union)
- 6) to be in possession of the Ph.D. or to be enrolled in a doctoral course entitled cycle year attended (first, second, third) or waiting to discuss the thesis (in the latter case indicate the title of the thesis) at the University
- 7) not to have a relationship of marriage, kinship or affinity, up to and including the fourth degree, with the scientific manager of the research fellowship, with a professor or researcher belonging to the Faculty or to the structure where research activity is located, with the Rector, the General Director or a member of the University's Board of Directors, and not to find themselves in further situations of incompatibility pursuant to current legislation;
- 8) to have the following handicap, for which the following aid is required for the examination tests, as well as the following additional times
- 9) to elect the following address (tel. mobile, e-mail), as the address to send communications relating to this competition, and to undertake to make known any subsequent changes.

The undersigned attaches to this application:

1. curriculum vitae;
2. photocopy of the tax code card;
3. photocopy of an identity document.

Place and date

Signature

The undersigned also declares to have read the attached information, pursuant to Article 13 of EU Regulation no. 2016/679, and to authorize the processing of all personal data collected, including those relating to particular categories, for the purpose of participating in this research grant award procedure

Place and date

Signature

ANNEX B

SUBSTUTIVE DECLARATION OF CERTIFICATION (Art. 46 Presidential Decree 28 December 2000, n. 445)

The undersigned surname first name,
born (prov.), on resident in
..... (prov.), in via,
aware that false documents and false declarations are punished, pursuant to and by effect of art. 76 of the
Presidential Decree 28 December 2000, no. 445, from the penal code and from the special laws on the
subject, under his own responsibility

DECLARES

.....
.....
.....
.....
.....

The undersigned also declares to have read the attached information, pursuant to Article 13 of EU
Regulation no. 2016/679, and to authorize the processing of all personal data collected, including those
relating to particular categories, for the purpose of participating in this research grant award procedure.

Place and date

Signature

N.B.: The aforementioned declaration must be accompanied by a photocopy of an identity document.

ANNEX C

**DECLARATION IN SUBSTITUTION OF DEED OF NOTARITY FOR FACTS, STATES AND PERSONAL QUALITIES
IN DIRECT KNOWLEDGE OF THE DECLARANT (Art. 47 Presidential Decree 28 December 2000, no. 445)**

The undersigned surname first name
....., born (prov.), on
..... resident in (prov.), street
....., aware that false documents and false declarations are punished,
pursuant to and by effect of art. 76 of the Presidential Decree 28 December 2000, n. 445, from the penal
code and from the special laws on the subject, under his own responsibility

DECLARES

that the copies of the following documents / publications conform to the originals:

.....
.....
.....
.....

The undersigned also declares to have read the attached information, pursuant to Article 13 of EU
Regulation no. 2016/679, and to authorize the processing of all personal data collected, including those
relating to particular categories, for the purpose of participating in this research grant award procedure

Place and date

Signature

N.B.: The aforementioned declaration must be accompanied by a photocopy of an identity document.



HUMAN RESOURCES AREA

RECRUITMENT OFFICE

Subject: Information pursuant to Article 13 of EU Regulation no. 2016/679

Pursuant to art. 13 of the EU Regulation n. 2016/679 (hereinafter "GDPR 2016/679"), laying down provisions for the protection of persons and other subjects regarding the processing of personal data, we wish to inform you that the personal data you provide will be processed in compliance with the aforementioned legislation and the confidentiality obligations to which the University of Teramo is bound.

1. Data Controller

The Data Controller is the University of Teramo, via Balzarini, 1, 64100 Teramo.

2. Data Protection Officer (DPO)

The Data Protection Officer (DPO) can be reached via E_mail at the address rpd@unite.it and by registered letter with return receipt to the address: University of Teramo - GDPR Office, Via Balzarini 1, 64100 - Teramo.

3. Purpose and legal basis of the processing

All personal data collected will be processed on the basis of European provisions, laws and regulations, for the performance of institutional activities relating to competitions for teaching staff.

4. Processing methods

Personal data are processed with automated and manual tools for the time strictly necessary to achieve the purposes for which they were collected indicated in the previous point and in order to guarantee the integrity, confidentiality and security of the same by the staff of the University of Teramo which acts on the basis of specific instructions provided regarding the purposes and methods of the processing itself.

5. Data recipients

Personal data may be disclosed to other public and private subjects solely by virtue of community provisions, laws or regulations in order to achieve the purposes listed above in point 3.

In particular, they may be communicated to:

Certifying administrations during the control of the substitutive declarations made for the purposes of Presidential Decree 445/2000 and subsequent amendments;

- Evaluation commissions;
- Publications of the university website, minutes of the commission and decree approving acts, notices to candidates.

6. Transfer of personal data

Your data will not be transferred either to member states of the European Union or to third countries outside the European Union.

7. Special categories of personal data

Pursuant to art. 9 of the EU Regulation no. 2016/679, you may provide the University of Teramo with data that can be classified as "special categories of personal data". These categories of data may be processed by the University of Teramo only with your free and explicit consent, expressed in writing.

8. Existence of an automated decision-making process, including profiling

The University of Teramo does not adopt any automated decision-making process, including profiling, referred to in Article 22, paragraphs 1 and 4, of EU Regulation no. 679/2016.

9. Rights of the interested party

The subjects to whom the personal data refer, in their capacity as interested parties, may at any time exercise:

- The right to access data,
- The right to request rectification, cancellation or limitation of processing,
- The right to object to the processing,
- The right to data portability.

Furthermore, the interested party, pursuant to Article 7 paragraph 3 of EU Reg. 679/2016, has the right to withdraw their consent at any time, without however prejudicing the lawfulness of the processing based on the consent given before the revocation.

10. Exercise of the rights of the interested party

For the exercise of the rights referred to in point 8, relating to this procedure, the interested party may contact the Data Protection Officer at the University of Teramo who can be contacted at the email address rpd@unite.it or by sending a registered letter to the University of Teramo, - GDPR Office - Via Balzarini, 1 64100 Teramo.

11. Right of Complaint

Interested parties who believe that the processing of personal data referred to them occurs in violation of the provisions of the Regulation have the right to lodge a complaint with the Guarantor for the Protection of Personal Data, as provided for by art. 77 of the Regulation itself, or to take appropriate judicial offices.

Annex 1) SSD: SECS-S/03 Tutor: Prof. Andrea Ciccarelli

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Political sciences
Scientific area / Macro sector	13 / D - Statistics and mathematical methods for decisions
Competition Sector	13 / D2 - Economic statistics
Scientific-Disciplinary Sector	SECS-S / 03 - Economic Statistics
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Quantitative and qualitative analysis in the framework of "Innovation, digitalisation and sustainability for the diffused economy in Central Italy" Prof. Andrea Ciccarelli
Reference to the project WP or WPs	WP 6 WP 7
Topic to be developed in coherence with the lines defined in the project WP	The research activity will have to focus on statistical and economic analysis, using both quantitative and qualitative tools, as part of the "Innovation, digitalisation and sustainability for the diffused economy in Central Italy" project. In particular, the research grant will have to deal with building databases, models and indicators within one or more of the following areas: 1) Continuous monitoring and evaluation procedures: - institutional elements: organizational and management elements; - economic elements: economic effectiveness; - environmental elements: biological and physical impacts. 2) Evaluation of the impact and results of the project in terms of: - Financial and non-financial impact; - Impact on production and economic growth; - Environmental impact; - Impact on social and gender balance.
Topics on which the interview will focus	The interview will focus on the discussion of the qualifications and publications presented and will be aimed at ascertaining the knowledge of the typical methodologies of statistical analysis and economic statistics and the

	<p>mastery of the typical themes of the disciplinary scientific sector.</p> <p>SECS-S / 03 and, in any case, within the macro-sector 13 / D. 11</p> <p>The interview will also serve to ascertain the skills in relation to the use of the main software for statistical analysis and knowledge of the English language.</p>
Essential requirements that the candidate must possess	Title of PhD in statistical and / or economic disciplines.
Categories of assessable qualifications and relative scores	<p>Title of PhD (20 points)</p> <p>Graduation mark (up to 5 points)</p> <p>Scientific publications (up to 20 points)</p> <p>Previous experience and other qualifications (up to 5 points)</p>
Interview procedure	Remote or In presence
Foreign language required	English

Annex 2) SSD: AGR/01 Tutor: professor Angela Maria Perito

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Biosciences and agro-food and environmental technology
Scientific area / Macro sector	Area 7
Competition Sector	AGR01
Scientific-Disciplinary Sector	Economics and Rural Estimate
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Tutor: Perito Maria Angela
Reference to the project WP or WPs	The research activity is part of the WP 4.6
Topic to be developed in coherence with the lines defined in the project WP	<p>The main objective of the research activity is to carry out economic and market evaluation of the so-called "new food products". Specifically, the research aims to concretely evaluate the acceptance by consumers of a new product, the relative willingness to buy and the willingness to pay the right price (to remunerate producers along the food supply chain) for new functional and sustainable foods. The research will be based on quantitative and qualitative analysis.</p> <p>Consumer surveys will be conducted at national and regional level, with the main goal to assess predictive behaviors, general perceptions, beliefs, and expectations of consumers about new food products. These results will be fundamental to quantify the profitability for the stakeholders operating along the food supply chains.</p> <p>Research on the decision-making process, preferences, and priorities of consumers (e.g., naturalness vs. price; safety vs. local; etc.) is essential to promote the scientific and technological evolution of food production and develop economically sustainable actions.</p>
Topics on which the interview will focus	The interview will focus on topics related to the research activity, mainly to verify the candidate's skills to carry out survey designs on the market of new food products through advanced qualitative and quantitative methods (for example, discrete choice models...).

<p>Essential requirements that the candidate must possess</p>	<p>PhD in economics and related to SSD AGR / 01. The candidate must have prior research experience in the specific fields of the sector AGR / 01, in particular in the economic impact analysis and qualitative-quantitative analysis in determining the consumption of products in the agri-food sector. Candidate should demonstrate skills on quantitative analysis (econometric analysis models), qualitative analysis, evaluation of consumer choices, research on consumers behavior, qualitative-quantitative analysis relating to consumers choice, market power and market concentration, implementation of food policy and monitoring.</p>
<p>Categories of assessable qualifications and relative scores</p>	<p>Up to a maximum of 70 points for qualifications, for the attribution of which the criteria established by the Commission must provide for the following breakdown up to a maximum of:</p> <ul style="list-style-type: none"> • up to a maximum of 20 points for the research doctorate relevant to the scientific disciplinary sector AGR / 01 • 20 points for publications relevant to the scientific area relating to the specific competition (Publications in journals with IF (Impact Factor) indexed ISI WoS or Scopus relevant to the scientific disciplinary sector AGR01 In any case, the publications will be evaluated as: High Value - 1 point Acceptable Value - 0.75 point Average value - 0.50 point Limited value - 0.25 point Poor value - 0 point • 30 points for other qualifications relating to previous research / training, with particular attention to research activities in international contexts. • up to a maximum of 30 points for the interview, through which the Commission will have to assess the aptitude for research in the scientific area
<p>Interview procedure</p>	<p>Remote</p>
<p>Foreign language required</p>	<p>English</p>

Annex 3) SSD: AGR/16 Tutor: prof. Aldo Corsetti

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Biosciences and agro-food and environmental technology
Scientific area / Macro sector	07 Agricultural and veterinary sciences
Competition Sector	07 / 11 AGRICULTURAL MICROBIOLOGY
Scientific-Disciplinary Sector	AGR / 16 - AGRICULTURAL MICROBIOLOGY
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Enhancement of agricultural products and by-products through fermentation with selected lactic bacteria Prof. Aldo Corsetti
Reference to the project WP or WPs	WP 1
Topic to be developed in coherence with the lines defined in the project WP	The project has as a priority objective the enhancement of agri-food products and by-products and the improvement of their health impact through the optimization of fermentation processes, using selected lactic acid bacteria capable of conditioning their functionality, including through the release of bioactive compounds. The activities for achieving the goal will be related to: identification, molecular and phenotypic typing of lactic acid bacteria associated with agri-food products; characterization of lactic acid bacteria for probiotic (<i>in vitro</i> on intestinal cells and <i>in vivo</i> on animal model) and pro-technological traits; selection of pro-technological and functional lactic acid bacteria for producing starter cultures; enhancement of traditional fermented foods and development of innovative fermented foods / beverages with specific functional activities.
Topics on which the interview will focus	Microorganism identification techniques, including through molecular and genome sequencing approaches. Evaluation of probiotic (<i>in vitro</i> and <i>in vivo</i>) and pro-technological traits of lactic acid bacteria. Fermented foods and their health potential. Starter cultures. Use of cell cultures and co-cultures with cell models; molecular biology and biochemical methods for gene expression analysis and protein quantification.

Essential requirements that the candidate must possess	Master's degree related to the themes of the project. A degree thesis relating to the themes of the project is required.
Interview procedure	In presence
Foreign language required	English

Annex 4) SSD: AGR/16 Tutor: prof. Antonello Paparella and Annalisa Serio

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Biosciences and agro-food and environmental technology
Scientific area / Macro sector	07
Competition Sector	07/I1
Scientific-Disciplinary Sector	AGR/16 Agricultural Microbiology
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Food safety and quality by means of processing improvement and optimization, and application of bioactive compounds. Tutors Prof. Antonello Paparella, Prof.ssa Annalisa Serio
Reference to the project WP or WPs	WP 3 (3.3; 3.4; 3.5): Quality and safety of primary productions.
Topic to be developed in coherence with the lines defined in the project WP	Description of the activities and of the goals to achieve: The activities include the assessment and monitoring of microbiological risks within food companies, throughout the entire production process, by means of a combined approach of classical, molecular analytical techniques, technological characterization of the isolates and predictive microbiology. The identification of the critical points of the process and the microbial hazards in the product will determine, in the subsequent phases, the resolution of these problems by improving and optimizing the production phases, and / or applying bio-preservatives. With the aim of improving safety, quality and extending the shelf life of the products, technological changes will therefore be applied such as, for example, the introduction of ozonation, high hydrostatic pressures, packaging optimization, etc. Furthermore, the possible application of biopreservative agents such as essential oils, bioactive peptides, phenolic compounds, etc., will be evaluated for the same purposes described above. Finally, where possible, the raw materials and, in particular, the co-products derived will be analyzed for a potential exploitation by obtaining bioactive compounds.
Topics on which the interview will focus	The interview will focus on the following topics:

	<ul style="list-style-type: none"> - spoilage and pathogenic microbiota of raw materials and food products; - main techniques of analysis, identification, technological and safety characterization of microorganisms; - main risks and critical control points in food production - classical and innovative methods for the stabilization of food products along the production chain and processing; - principles, techniques and application of biopreservation techniques.
Essential requirements that the candidate must possess	Master's degree, specialist or old system
Foreign language required	English

Annex 5) SSD: AGR/19 Tutor: professors Giuseppe Martino and Nicola Bernabò

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Biosciences and agro-food and environmental technology
Scientific area / Macro sector	07 Agricultural and Veterinary Sciences
Competition Sector	07 G1 - Animal science and technology
Scientific-Disciplinary Sector	AGR 19 - Special zootechnics
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS0000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Tutor: Giuseppe Martino and Nicola Bernabò
Reference to the project WP or WPs	Work Package 5: Sustainable primary productions
Topic to be developed in coherence with the lines defined in the project WP	The project involves the application of Assisted Reproductive Technologies (ARTs) to the defense and conservation of biodiversity, with reference to zootechnical biodiversity. In particular, in vitro maturation of oocytes collected at the slaughterhouse used, in vitro capacitation of semen samples, and implementation of In Vitro Fertilization (IVF) protocols will be performed. The animal germplasm and the embryos obtained will be subjected to cryoprotocols to make it possible to use them deferred in time and space. In this context, the management of the reproductive and quantitative-qualitative productive activity of the animals, as well as interventions aimed at implementing their genetic value, are of particular importance.
Topics on which the interview will focus	Discussion of the research project presented for the purposes of selection and consistent with the theme of the call
Essential requirements that the candidate must possess	Those who have a doctorate degree or are enrolled in the third year of the research doctorate course and authorized to publicly discuss the thesis in order to obtain the degree can participate in the selection.
Categories of assessable qualifications and relative scores	Publications Research training Mobility in research
Interview procedure	In presence
Foreign language required	English

Annex 6) SSD: CHIM/01 Tutor: prof. Michele Del Carlo

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Biosciences and agro-food and environmental technology
Scientific area / Macro sector	03 - CHEMICAL SCIENCES 03 / A - ANALYTICAL, CHEMICAL-PHYSICAL
Competition Sector	03 / A1 - Analytical Chemistry
Scientific-Disciplinary Sector	CHIM / 01 - Analytical chemistry
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Targeted and untargeted analytical methods for the chemical characterization of primary productions Prof. Michele DEL CARLO
Reference to the project WP or WPs	Work Package 3: Quality and safety of primary productions
Topic to be developed in coherence with the lines defined in the project WP	Development of instrumental methods for the chemical characterization of foods with particular attention to chromatographic techniques coupled to mass spectrometry with both targeted and untargeted approaches. The results of the analytical techniques obtained on selected matrices will be aimed at developing an integrated approach for the characterization of food content starting from omic approaches (metabolomic, metallomic, etc.) observing the presence of bioactive compounds and potential contaminants. Based on the output of the generated data (i.e. bioactive compounds + contaminants), the matrices will be exploited both in functionality (i.e. redox state, viability, effect on membrane permeability, etc.) and toxicity studies.
Topics on which the interview will focus	Instrumental analytical techniques. Mass spectrometry coupled to liquid chromatography. Targeted and untargeted methods applied to food analysis.
Essential requirements that the candidate must possess	Master's degree
Interview procedure	Remote
Foreign language required	English

Annex 7) SSD: VET/02 Tutor: prof.ssa Barbara Barboni

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Biosciences and agro-food and environmental technology
Scientific area / Macro sector	07 Agricultural and Veterinary Sciences
Competition Sector	07 H1 ANATOMY AND VETERINARY PHYSIOLOGY
Scientific-Disciplinary Sector	VET / 02 - VETERINARY PHYSIOLOGY
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Modelling diet influence on female reproductive system Prof. Barbara Barboni
Reference to the project WP or WPs	Work Package 4: Health and sustainable nutrition
Topic to be developed in coherence with the lines defined in the project WP	Female infertility represents an increasing health issue, principally in developing countries, where the current inclinations of delaying pregnancy beyond 35 years of age significantly decrease fertility rates. Female infertility, commonly imputable to impaired folliculogenesis cycle can be influenced by several factors including hormonal dysfunction combined with individual lifestyle factors. In particular, diet-habit elements play an important role. Modern types of diet, that encourage a high fat intake, exert a particularly negative effect folliculogenesis affecting the quality of gametes by negatively affecting the implantation success. The present topic is addressed to use in vitro 3D ovarian follicle culture models as emerging biological cultural tool to study the role of defined diet component in controlling cellular and molecular mechanisms responsible female reproductive outcomes.
Topics on which the interview will focus	Discussion of the research project presented for the purpose of selection consistent with the topic identified in the previous point
Essential requirements that the candidate must possess	Those who have a doctorate degree or are enrolled in the third year of the research doctorate course and authorized to publicly discuss the thesis in order to obtain the degree can participate in the selection.
Interview procedure	In presence
Foreign language required	English

Annex 8) SSD: IUS/06 Tutor: prof.ssa Elisabetta Rosafio

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Law
Scientific area / Macro sector	12 / B
Competition Sector	12 / B1
Scientific-Disciplinary Sector	IUS / 06 (Law of Navigation)
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	"Integrated logistics, intermodality and agrifood" Prof.ssa Elisabetta Rosafio
Reference to the project WP or WPs	WP 6, task 6.3
Topic to be developed in coherence with the lines defined in the project WP	Study and analysis of hard law and soft law regulations adopted by institutions and organizations representing the various stakeholders in the world of logistics and transport linked to agrifood for the research of new technologies for the logistics sector
Topics on which the interview will focus	Research theme
Essential requirements that the candidate must possess	Master degree in Law
Categories of assessable qualifications and relative scores	PhD, publications, previous experiences
Interview procedure	Remote
Foreign language required	English

Annex 9) SSD: SECS-P/07 Tutor: prof.ssa Daniela Mancini

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Law
Scientific area / Macro sector	13 / B (Business Administration)
Competition Sector	13 / B1 (Business Administration)
Scientific-Disciplinary Sector	SECS-P / 07 (Business Administration)
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	"Transition towards a new model for UniTE technology transfer management based on a knowledge sharing platform " Prof.ssa Daniela Mancini
Reference to the project WP or WPs	WP 6 task 6.3
Topic to be developed in coherence with the lines defined in the project WP	The research project aims at redesigning the organizational model of technology transfer (TT) used by the University of Teramo, through the design of a technological platform, that is able to support the management, communication and dissemination of knowledge related to scientific research, and its transformation into entrepreneurial initiatives or products / services for the market, in particular in the agro-food and livestock sectors. As part of this wide-ranging objective, the project intends to use Vitality and the research groups of the University of Teramo as a pilot case for the formulation of a new technology transfer model and the design of a knowledge sharing and data management platform. The researcher should analyse strengths and weaknesses of the current TT model, analyse the most updated literature on TT model and process, develop guidelines for a new TT model, and design a knowledge sharing and data management platform
Topics on which the interview will focus	Research theme
Essential requirements that the candidate must possess	master's degree in Economics and Business Sciences (LM-77) or an equivalent qualification, the research doctorate is a preferential title for the purpose of awarding the grant

Categories of assessable qualifications and relative scores	PhD, publications, previous experiences
Interview procedure	Remote
Foreign language required	English

Annex 10) SSD: IUS/04 Tutor: prof.ssa Emanuela Arezzo

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Law
Scientific area / Macro sector	12 / B
Competition Sector	12 / B1
Scientific-Disciplinary Sector	IUS / 04 (Commercial Law)
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	"Technology transfer and dissemination in the medical and agri-food sectors. IP protection vis-à-vis competition law constraints" Professor Emanuela Arezzo
Reference to the project WP or WPs	WP 6, task 6.3
Topic to be developed in coherence with the lines defined in the project WP	Technology transfer and dissemination in the medical and agri-food sectors. IP protection vis-à-vis competition law constraints": Technology transfer, especially from public to private sector, is crucial to promote the exploitation and dissemination of innovation on a large scale and to foster the development of further follow-on innovations built on top of existing ones, thanks to the inventive capabilities of licensees. Technology transfer, however, cannot take place without intellectual property rights. Therefore, the aim of this project is to study all different IP rights involved in the protection of innovation, with specific regard to biotechnologies and agri-food. In particular, the study will focus mostly on patents, trademarks, trade secrets and other forms of exclusive rights introduced by the legislator in some specific fields (such as the data exclusivity rights to protects data on clinical trials for pharmaceuticals). The study will also concentrate on the impact of competition rules on the development and dissemination of innovation.
Topics on which the interview will focus	Research theme
Essential requirements that the candidate must possess	Master degree
Interview procedure	Remote

Foreign language required	English
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Annex 11) SSD: AGR/18 Tutor: prof.ssa Isa Fusaro

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Faculty of Veterinary Medicine / Veterinary Medicine Faculty
Scientific area / Macro sector	AREA 07
Competition Sector	G1
Scientific-Disciplinary Sector	AGR / 18
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Innovative approaches for sustainable development in small ruminant production: new techniques to improve feeding strategies and farm profitability Fusaro Isa
Reference to the project WP or WPs	WP 5
Topic to be developed in coherence with the lines defined in the project WP	As part of WP5, task 5.4 subjects regarding sustainability, welfare and zootechnical performance of small ruminants, particularly present in the Abruzzo and Marche region will be developed. The present project proceeds from the perspective of sustainable animal production, respecting traditions but with an innovative approach. The objective is to improve the productive and reproductive performance of livestock species most commonly found in Abruzzo (small ruminants) with particular reference to endangered species. Specifically, this project has as a priority objective to provide specific knowledge on livestock solutions that aim to have a low environmental impact on the territory, sustainability of production through the use of locally produced raw materials and with a view to increasing a circular economy aimed at enhancing marginal areas. For the realization of these objectives, the following themes will be developed: Innovative animal health and welfare assessment systems (membrane lipid profile assessment of tissues and cells with the method of Gas Chromatography)

	<p>Research of innovative biological markers aimed at implementing productive and reproductive responses of endangered animals</p> <p>Standardization of diets aimed at implementing the lipid profile of cells.</p>
Topics on which the interview will focus	<p>Innovative monitoring systems of animal health and welfare status;</p> <p>Laboratory testing for molecular evaluation/ Lipidomic techniques- Gas Chromatography</p> <p>Precision animal nutrition;</p> <p>Environmental impact assessment of productions.</p>
Essential requirements that the candidate must possess	<p>Ph.D. dissertation on topics related to cell membrane lipidomic analysis in the veterinary field</p>
Categories of assessable qualifications and relative scores	<p>Ph.D. dissertation in 'Veterinary Medical Sciences, Public Health and Animal Welfare'</p> <p>Articles on topics related to cell membrane lipidomics in indexed journal</p> <p>Laboratory activities relevant to the project / Lipidomics-Gas Chromatography</p>
Interview procedure	In presence
Foreign language required	English

Annex 12) SSD: VET/09 Tutor: prof.Massimo Vignoli

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Department of Veterinary Medicine
Scientific area / Macro sector	Area 7
Competition Sector	H 5
Scientific-Disciplinary Sector	VET/09
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Diagnostic imaging techniques and laboratory tests for the protection of the Teramo goat. Prof. Massimo Vignoli
Reference to the project WP or WPs	5 (5.3, 5.4, 5.5 e 5.6)
Topic to be developed in coherence with the lines defined in the project WP	The project is part of the protection of the teramana goat, a breed at risk of extinction. The project intends to follow the various stages of breeding, from before conception, then following pregnancy and up to breastfeeding. The activity will initially be based on measurements of the pelvis and pelvic canal for each subject. For this, we will perform measurements with radiology, ultrasound and computed tomography. The measurements will be performed in non-pregnant goats at the level of the narrowest transverse diameter of the pelvis just cranial to the pubis, and at the level of the medial aspect of the acetabulum, between the pecten pubis and the promontory of the sacrum and from the dorsal edge of the pubis to the first coccygeal vertebra. During pregnancy, serial ultrasound scans will be performed to evaluate early fetal defects and to carry out measurements of the biparietal diameter of the fetal skull, to be compared with the pelvic diameters of the goat. At the end of gestation terms, qualitative and quantitative

	<p>microbiological screenings, concerning milk food matrix, will be performed in order to isolate bacterial pathogens which have potential sanitary repercussions on the final consumer health [in accordance with the (EU) Reg. N. 2073/2005]. Bacterial strains i.e., <i>Listeria monocytogenes</i>, <i>Staphylococcus aureus</i>, etc. will be isolated following the International Standardized laboratory protocols (ISO).</p> <p>Molecular biology (PCR e la real time qPCR) coupled to the mass spectrometry assays will provide increased sensibility to the applied methods.</p> <p>During lactation, the above-mentioned assays will be organized in specific intervals in order to evaluate nutritional alterations and providing scientific data concerning products "shelf-life" [(EU) Reg. N. 852/2004].</p> <p>These assays will permit to determine possible significant biostatistical differences between different farming systems and the applied milking methods.</p> <p>The first goal is to evaluate any limitations of the passage of the fetus during birth. This evaluation makes it possible to genetically select females with adequate birth canal, second goal, in order to reduce prenatal or perinatal mortality and thus safeguard the continuity of breeding of this breed.</p> <p>The objective is to provide, concerning microbiology applied to the food matrices, the evaluation and valorization of hygienic-sanitary and nutritional characteristics on the studied caprine breed.</p>
Topics on which the interview will focus	Diagnostic imaging techniques, food inspection, on production animals, animal welfare assessment
Essential requirements that the candidate must possess	Degree in veterinary medicine, PhD
Categories of assessable qualifications and relative scores	Scientific publications 50 points, interview 30 points, experiences in the large animal clinic 20 points
Interview procedure	In presence
Foreign language required	English

Annex 13) SSD: BIO/10 Tutor: prof. Sergio Oddi

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Veterinary Medicine
Scientific area / Macro sector	05 - Biological Sciences
Competition Sector	05 / E1
Scientific-Disciplinary Sector	BIO / 10 - BIOCHEMISTRY
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Development of cellular and tissue models for the biochemical-functional study of the biological effects of compounds of interest Prof. Sergio Oddi
Reference to the project WP or WPs	WP3 (3.1) - WP5 (5.4)
Topic to be developed in coherence with the lines defined in the project WP	The aim of this research program is to develop new cellular and tissue models for investigating, at the biochemical and molecular level, the effects of contaminants, bioactive lipids, biopesticides, biostimulants and other natural compounds in cell line cultures (deriving from healthy subjects or affected by relevant diseases) and tissue (deriving from sheep, small ruminants, pigs, and breeds / populations of central Italy) through functionality studies (e.g., toxicity, redox state, viability, secretome, effect on membrane permeability, etc.). The results of these studies will be published in Scopus indexed scientific journals (at least 1 per year) and presented at relevant national and international conferences. Educational and dissemination activities will also be carried out annually to disseminate the information collected to a public audience, including non-specialists.
Topics on which the interview will focus	Knowledge in cellular, biochemical, and molecular biology techniques.
Essential requirements that the candidate must possess	PhD qualification related to the scientific-disciplinary sector (BIO/10) with proven experience in the sector in question.

	Advanced skills in cellular, biochemical and molecular biology techniques.
Categories of assessable qualifications and relative scores	a) Experience in biochemical / molecular biological laboratory practice, up to a maximum of 20 points b) originality, innovativeness, methodological rigor and relevance of scientific publications, up to a maximum of 50 points c) interview, up to a maximum of 30 points Total: 100 points
Interview procedure	In presence
Foreign language required	English

Annex 14) SSD: VET/09 Tutor: Prof. Lucio Petrizzi

Number of positions	1
Duration of the contract	1 year
Faculty Location of the activities	Department of Veterinary Medicine
Scientific area / Macro sector	Area 7
Competition Sector	H 5
Scientific-Disciplinary Sector	VET/09
Research program to which the contract is linked	Ecosystem of Innovation "Innovation, digitalization and sustainability for the diffused economy in Central Italy" scope of intervention "4.Digital, Industry, Aerospace", application for facilitation marked by the identification code ECS00000041, for the implementation of the Research and Innovation Program from title "Innovation, digitalization and sustainability for the diffused economy in Central Italy" - presented, under the MUR public notice no. 3277 of 30.12.2021 for the presentation of intervention proposals for the creation and strengthening of "Innovation Ecosystems", as part of the PNRR - Mission 4 Education and Research - Component 2 From research to business - Investment 1.5, funded from the European Union - NextGenerationEU
HUB	Foundation called "VITALITY Ecosystem of Innovation, Digitization and Sustainability for the Widespread Economy in Central Italy" (CF 93113360668)
Project CUP	C43C22000380007
Title of the research project and Scientific coordinator	Animal productions, farm animal welfare and innovative surgical therapies - Animal productions, food animal welfare and state of the art surgical procedures - prof. Lucio Petrizzi
Reference to the project WP or WPs	5 (5.5 e 5.6)
Topic to be developed in coherence with the lines defined in the project WP	<p>Surgical diseases, and common surgical procedures in food animals are still performed or treated with traditional techniques without any improvement and pain control. Aim of the study is to investigate the effects on animal productions and food animal welfare of new surgical techniques, updated for treating surgical diseases and conducting basic farm surgical procedures (associating also pain control).</p> <p>The animal welfare evaluation is regulated by the European Legislation Reg. (EU) N. 429/2016.</p> <p>The correlation between farmed animal welfare and meat derived hygienic-sanitary characteristics is of crucial importance, as demonstrated by a wide scientific literature. Along fresh and processed meat chains, at slaughterhouse level, beyond animal welfare, clinical symptoms, and gross pathological lesions (noticed during antemortem and postmortem evaluations) can represent useful tools to collect evidence concerning a conform application of Laws among different zootechnic realities.</p> <p>Therefore, checklists will be realized (ad hoc) in order to</p>

	provide an objective evaluation matching the animal welfare data and microbiological aspects on meat derived from food producing animal species ones which are involved in this study.
Topics on which the interview will focus	Traditional and innovative techniques in food animal surgery, treatment and prevention of surgical pain, evaluation of animal welfare
Essential requirements that the candidate must possess	Degree in veterinary medicine, PhD, relevant specialization
Categories of assessable qualifications and relative scores	Scientific publications 50 points, interview 30 points, previous experience in large animal clinic 20 points
Interview procedure	In presence
Foreign language required	English

Description of the activity and the objectives to be pursued

Scientific productivity objectives and qualitative characteristics of scientific production: at least one publication / year in journals with significant editorial rank.

Teaching, supplementary teaching and student service activities: support for practical activities (in particular in the hospital environment), tutoring of students enrolled in the Faculty's Degree Programs and PhD students.