



Universidad de Valladolid



## CALL FOR FPI-UVa CONTRACTS.

RECTORAL RESOLUTION MAKING PUBLIC THE CALL FOR PRE-DOCTORAL CONTRACTS LINKED TO PROJECTS OF WHICH THE UNIVERSITY OF VALLADOLID (FPI) HAS BEEN THE BENEFICIARY 2023.

The call for early processing for the year 2022 of the procedure for granting aid for "Knowledge Generation Projects" and actions for the training of pre-doctoral research personnel associated with these projects, within the framework of the State Plan for Scientific, Technical and Innovation Research 2021-2023, incorporates an important modification of the architecture of aid for pre-doctoral training associated with projects, by integrating into a single award procedure the aid for research projects for the generation of knowledge and actions for the training of pre-doctoral research personnel in training associated with these projects. This aid for pre-doctoral training is the continuation of the aid for pre-doctoral contracts for the training of doctors that the Ministry responsible for science has been awarding since 2013 within the framework of the different state plans and the "FPI" aid that since the 1980s has provided the system with new researchers through the acquisition of knowledge and skills within the best funded projects.

This important new development will improve the efficiency and flexibility in the implementation of pre-doctoral grants, as it will speed up the incorporation of new staff into the programme.

The new system will also provide greater versatility in the use of the funds, as it will enable them to be used for substitutions in the event of resignations. All this is articulated through the essential co-responsibility of the beneficiary entities in the evaluation and selection process, which will make it possible to maintain the high quality standards of the pre-doctoral staff joining the system.

The process of evaluation and selection of the person to be recruited, which must guarantee the principles of competition, publicity and transparency, will be the responsibility of the beneficiary entity, which may carry out these activities prior to the publication of the award decision.

The University of Valladolid is aware of the need to reinforce and complement the training of doctoral students in all branches of knowledge, making it easier for the best candidates to be trained in the different Doctoral Programmes offered by the University and to direct their future towards research and teaching.

The main objective of this call is to increase the quantity and quality of new PhDs, facilitating and promoting the completion of their doctoral theses within the framework of the best research projects. It is also intended to provide an incentive to obtain a doctorate during the third year of the contract by financing, in this case, a period of orientation.



The specific objective of the Postdoctoral Programme (POP) is to enable doctoral students to improve the knowledge acquired during the completion of their doctoral theses and to consolidate their academic career.

The combination of an applicant with good academic preparation who undertakes a quality doctoral training project within a research unit with accredited training capacity and within the framework of a funded research project will undoubtedly ensure the future availability of PhDs in the different academic disciplines that will enable the University to have well-trained people available for possible incorporation into its teaching and research staff.

The University of Valladolid has achieved the HRS4R seal. The *Human Resources Strategy for Researchers* (HRS4R) is a European Union strategy that aims to make research an attractive career, providing research staff with the same rights and obligations in any of the EU countries where they work. The implementation of the strategy by the University of Valladolid is a tool that allows it to offer a suitable environment for research staff, making the institution a recommended destination for international researchers. The European Charter for Researchers is based on the *roles, responsibilities and rights of research staff and their employers*. The Charter aims to ensure that the relationship between the two parties contributes positively to the process of creating, transferring and sharing knowledge and to the professional development of research staff. The Code of Conduct for the Recruitment of Researchers aims to improve recruitment and ensure that selection processes are fair and transparent.

## BASIS

### *First. Object*

1.- The purpose of this call is to offer 4-year employment contracts for doctoral training, under the pre-doctoral contract modality, in accordance with the provisions of Article 21 of Law 14/2011 on Science, Technology and Innovation, as amended by Law 17/2022 of 5 September, which amends Law 14/2011 of 1 June on Science, Technology and Innovation, for the development of research tasks within the scope of a specific and novel project, in order for pre-doctoral research staff in training to carry out a doctoral thesis associated with a research project, from among those described in Annex A, including the financing of stays in R&D centres and of the tuition fees derived from doctoral studies, in accordance with the principles of publicity, transparency, objectivity, equality, merit, capacity and non-discrimination.



For those beneficiaries who obtain their doctoral degree before the end of the initial 4-year contract, the employment relationship will be maintained during a post-doctoral orientation period (POP) for a maximum period of 12 months from the date of defence of the thesis, the sum of the two periods not exceeding 4 years. This period is intended for the professional improvement and specialisation of this research personnel, without prejudice to the provisions on interruptions and extensions of the execution period of the action in article 25.7. of the Order approving the call for early processing for 2022 of the procedure for granting aid for "Knowledge Generation Projects" and actions for the training of pre-doctoral research personnel associated with these projects, within the framework of the State Plan for Scientific, Technical and Innovation Research 2021-2023. (hereinafter "Orden de convocatoria de proyectos de generación de conocimiento 2022").

2.- Nine pre-doctoral research staff positions are called for the projects listed in appendix A, of which 7% (1 position) is reserved for students with a disability equal to or greater than 33%. In the event that this reserved place is not filled, it will be incorporated into the ordinary modality.

3.- Each applicant may only submit one application. In the event that there are two applications from the same person for the same place, the applicant will be considered to have chosen the one submitted last according to the date and time of registration at the University, and therefore any application submitted previously will be considered null and void.

4.- The actions aimed at the training of pre-doctoral research personnel contemplated in this call will be univocally linked to a funded research project, of those listed in the annex.

A. The implementation period will begin on the date of incorporation of the research staff to their job at the University of Valladolid, without prejudice to the provisions on interruptions and extensions of the implementation period of the aid in Article 25.7 of the Order of the call for knowledge generation projects 2022.

5.- The research projects, to whose execution this call contributes, shall comply with the Code of Good Practice in Research, approved by Agreement of the Governing Council on 31 January 2013.

6.- The recruitment of pre-doctoral research staff shall be carried out in accordance with the principles established in the Recommendation of the European Commission of 11 March 2005 on the European Charter and Code of Conduct for the Recruitment of Research Staff.



## Second. Requirements for applicants

1.- Without prejudice to the general requirements established in the *R.D. Legislative 5/2015, of 30 October, which approves the revised text of the Law of the Basic Statute of the Public Employee (EBEP)* on access to public employment, this call for applications is aimed at the recruitment of university graduates who, on the date of the deadline for submission of applications, meet the following requirements:

1.- To be admitted or enrolled in an official doctoral programme at the University of Valladolid for the academic year 2023-2024. Applicants may also be all those who, at the time of submission of the application, are not enrolled or admitted to a doctoral programme but are in a position to be enrolled or admitted on the date on which the contract is formalised.

2.- Those who meet any of the following circumstances may not be applicants, nor may they be eligible for the hiring incentive:

a) Have started their pre-doctoral training with funding from other grants for pre-doctoral training through the development of a doctoral thesis that have been awarded within the framework of the State Plan for Research, Development and Technological Innovation or any of the previous National Plans.

b) Hold a PhD degree from any Spanish or foreign university.

c) Have held a pre-doctoral contract for more than 12 months prior to the submission of the application.

3.- In any case, at the start date of the contract it will be an essential requirement to be enrolled in a full-time doctoral programme at UVa. This requirement must be maintained throughout the duration of the pre-doctoral period.

4.- Research personnel in training who participate in the call must be previously registered in the RUS (Unified Register of Applicants), available at the electronic headquarters of the Ministry of Science and Innovation, registering in the "Researcher Register" section.

## Third. Funding

1.- These contracts will be financed by the aid granted to the University of Valladolid by the Ministry of Science and Innovation (AEI) in the framework of the call for early processing for the year 2022 of the procedure for granting aid to "Knowledge Generation Projects" and to actions for the training of pre-doctoral research personnel associated with these projects, in the framework of the State Plan for Scientific, Technical and Innovation Research 2021-2023.



2.- Pre-doctoral grants for the financing of contracts will be co-financed by the European Social Fund Plus (hereinafter, ESF+) and will therefore be governed by the Community rules and by the national rules for the development or transposition of those listed in the Order of the call for projects for the generation of knowledge 2022.

3.- This call for applications is subject to the suspensive condition of the existence of adequate and sufficient credit to finance the obligations deriving from the grant in the corresponding financial years.

#### *Four. Characteristics of the contract*

1.- The pre-doctoral contract, in accordance with its specific regulations, shall have the characteristics described below, for the whole of its duration:

- a) The purpose of the pre-doctoral contract will be to carry out simultaneously, on the one hand, research tasks in a specific and novel project associated with a research project and, on the other hand, the set of training activities leading to the acquisition of the competences and skills necessary to obtain the official university degree of Doctor, without being required to carry out any other activity that detracts from the research and training purpose of the contract. The research activities will be carried out in a Centre and a Department or University Research Institute of the UVa, located in any of its four campuses. These staff will be considered as pre-doctoral research staff in training.
- b) The contract shall be concluded in writing between the trainee research staff, in their capacity as employees, and UVa, in its capacity as employer.
- c) The contract will be formalised in the form of a pre-doctoral contract, as provided for in Law 14/2011, of 1 June, on Science, Technology and Innovation (BOE of 2 June), modified by Law 17/2022, of 5 September, on a full-time basis. As a general rule, the duration of the contract shall be four years. However, when the contract is for a person with a disability, it may be for a maximum of six years, taking into account the characteristics of the research activity and the degree of limitations in the activity.
- d) In the event that, prior to the start date of the pre-doctoral contract, the contracted person has received other public or private grants for pre-doctoral training, within the framework of Law 14/2011, modified by Law 17/2022, of 5 September, the duration of the grant will be reduced by the period during which he/she was contracted. The reduction of the aid period will be effective at the beginning of the period.



of the first month of the contract. The beneficiaries must inform the investigating body of this circumstance.

In accordance with article 21 of Law 14/2011, of 1 June, on Science, Technology and Innovation, modified by Law 17/2022, of 5 September, when research personnel in training obtain the title of doctor before the end of the 4-year contract period, this will continue, with the aim of postdoctoral guidance, for a maximum period of 12 months from the date of defence of the thesis, without the total duration of the pre-doctoral contract exceeding 4 years, or six in the case of disability. For these purposes, the doctoral degree is considered to have been obtained on the date of the defence and approval of the doctoral thesis. Within 15 days of the reading of the doctoral thesis, the beneficiary will provide a work and activity programme for this period.

3.- The interruption of the contract shall not entail the extension of the duration of the contract, except when the interruption is due to situations of temporary incapacity for a period of at least two consecutive months and the rest of those contemplated in art. 21.c) of Law 14/2011, of 1 June, on Science, Technology and Innovation (BOE of 2 June), modified by Law 17/2022, of 5 September.

4.- Contracts financed by the pre-doctoral grant shall be incompatible with the validity of any other employment contract on the part of the pre-doctoral research personnel in training contracted and with the receipt of any amount of a salary nature, when this is detrimental to the research and training purpose of the grant and/or occurs during the same working hours, as well as with the receipt of other grants with a similar purpose.

Notwithstanding the above, contracted pre-doctoral research staff in training may receive non-salary complements from R&D projects and contracts, complements for teaching tasks that do not imply a contractual link, as well as complementary aid to promote the mobility of research staff, provided that this aid does not imply the formalisation of employment contracts, or other aid intended for attendance at scientific congresses, meetings or conferences. In any case, the activities from which the aforementioned complements or aid derive must not undermine or interrupt the purpose of the pre-doctoral aid.

5.- The beneficiaries must inform the UVa of any other aid, subsidies, income or resources that finance the subsidised activities.

6.- In any case, the centre where the work is carried out must be integrated in one of the campuses of the University of Valladolid.





## *Five. Requirements and obligations of the person directing the research project*

1.- The supervision of the doctoral thesis for the conduct of all the research tasks of the pre-doctoral research staff in training will fall to the person appointed by the Academic Committee of the doctoral programme from among those members of the research team of the project who have six years of active service. In the event that, at the time of the appointment of the thesis supervisor, his/her relationship with the beneficiary entity does not cover the entire period of execution of the grant, he/she will appoint a co-director whose relationship covers the indicated period.

2.- If the contract continues with a period of postdoctoral orientation, the thesis supervisor will become the tutor during this period.

3.- Incidents relating to the person directing the research work will be resolved in accordance with the regulations of the Doctoral School and with the provisions of this call for applications.

## *Sixth. Eligible items.*

1.- The call finances the following items: the cost of recruitment, including the cost of compensation at the end of the contract, the costs of stays in R&D centres and the costs of enrolment in doctoral studies.

2.- In relation to the aid for the financing of the contract, the personnel costs derived from the contracting (salary remuneration and employer's social security contributions) generated by the pre-doctoral research personnel in training contracted during each of the annual periods, considered independently, are considered to be eligible for financing. The minimum salary remuneration to be received by the pre-doctoral research staff in training during this period, which will be indicated in each contract, will be 17,222 euros gross per year for the first year, 18,452 euros gross per year for the second year, and 23,065 euros gross per annum for the third and fourth years. In any case, in order to establish the minimum salary remuneration for each year, the provisions of article 21.d) of Law 14/2011, of 1 June, and article 7 of Royal Decree 103/2019, of 1 March, shall be taken into account, in addition to the above amounts, and the minimum amounts indicated in this resolution may therefore be increased. Extraordinary payments shall be paid on a monthly pro rata basis in the said remuneration. The amount corresponding to each monthly payment will be paid by UVa to the beneficiaries in accounts opened in their name in Spain.

In relation to aid to cover the cost of severance pay on termination of the contract, the severance pay to which the



pre-doctoral research trainees recruited at the end of the contract due to the expiry of the agreed period, in accordance with the provisions of article 21.e) of Law 14/2011, of 1 June, on Science, Technology and Innovation, amended by Law 17/2022, of 5 September.

The aid is subject to personal income tax, so the withholding system established in the current regulations must be applied.

3.- The aid to cover expenses arising from stays in R&D centres may be used to finance stays carried out by contracted researchers during the period of execution of the aid, both in the pre-doctoral stage and in the POP phase, in R&D centres other than those to which they are assigned, so that they can carry out activities beneficial to improving their training and promoting the development of their thesis, as well as completing and consolidating the research training they have acquired. Stays must ensure a degree of mobility and/or internationalisation that would not have been possible due to previous academic training or other factors such as residence or nationality, and under no circumstances must they cause a delay in the completion of the doctoral studies. In the POP phase, these stays may be used to complement pre-doctoral training and to guide future lines of work in the post-doctoral phase.

Stays may be carried out in other R&D centres, public or private, including companies, foreign or Spanish, as long as the centres are located in a different locality to that of the centre where the activity is carried out. Stays must have a minimum duration of one month uninterruptedly, counted from the date of incorporation to the receiving centre and within the period of execution of the aid.

The amounts for board and lodging will be limited to 1,500 euros per month (50 euros/day) in the case of stays in national R&D centres, and 1,950 euros per month (65 euros/day) in the case of stays in foreign R&D centres. In the case of stays, the expenses will be accredited with the certification of the stay issued by the host R&D centre.

The eligible expenditure will be that established in article 11.3.b) of the order of the call for knowledge generation projects 2022, for research stays, considering pre-doctoral research staff in training contracted as staff participating in the execution of the project, without prejudice to the provisions of article 12.5.a) of the order of the call for knowledge generation projects 2022, on the duration and purpose of the stays.

In accordance with the provisions of Article 17.1.d of Law 35/2006, of 28 November, on Personal Income Tax and partially amending the laws on Corporate Income Tax, Non-Resident Income Tax and Wealth Tax, the financial allocations covered in this section are intended to compensate for travel, subsistence and subsistence expenses arising from temporary stays at universities and research centres other than those to which they are assigned in order to complete their training.





research of pre-doctoral research personnel in training will not be considered as income from work and will therefore be exempt from personal income tax.

4.- The aid for the financing of tuition fees derived from the doctoral studies of the pre-doctoral research personnel hired will be used to pay for the academic supervision and training credits at the University of Valladolid corresponding to the courses in which they are enrolled during the period of the aid for hiring in the pre-doctoral stage.

For the purposes of the concurrence of the duration of the aid and the academic years, each academic year will run from 1 September of the corresponding year to 30 June of the following year, both days inclusive. Notwithstanding the above, tuition fees for the 2022/2023 academic year are considered eligible regardless of the period of validity of the recruitment grant.

The eligible expenditure may not exceed the maximum amounts of public prices for the provision of university academic services established by the autonomous community for public universities.

The expenditure may correspond to the payment by pre-doctoral research staff in training of the corresponding public prices or to the compensation to the universities of the amounts of the public prices due to the exemption of pre-doctoral research staff in training from the payment of the same.

In accordance with the provisions of article 7.j) of Law 35/2006, of 28 November, and article 2 of the Personal Income Tax Regulations, approved by Royal Decree 439/2007, of 30 March, these financial endowments intended to finance the cost of pursuing regulated studies are exempt from withholding Personal Income Tax.

5.- The total amount of the aid to cover expenses arising from stays in R&D centres and for enrolment in doctoral studies shall be 6,860 euros.

### *Seventh. Call for applications and deadline for submission of applications*

1.- The call for applications will be published in the Official Gazette of Castilla y León, as well as on the UVa Electronic Bulletin Board: <https://sede.UVa.es> (Official Bulletin Board / Research).

2.- The deadline for submitting applications will begin at 9 a.m. on the day following the publication of this call in the BOCyL and will end at 2 p.m. on 26 October 2023 (local time in both cases).



## *Eighth. Form of submission of applications*

1.- In view of the technical capacity of those interested in participating in this call, the application will be formalised through the UVa's Electronic Headquarters, at the address <https://sede.uva.es>. You must access the citizen folder, and after identifying yourself, the procedure Call for FPI contracts -UVa. Choose the option "Start procedure (online)", or continue the procedure if it has already been started in previous sessions. The application must be accompanied by the documents indicated in the ninth base of this call.

2.- Preferably, it is necessary to have an electronic signature certificate to identify yourself and access the procedure. After authenticating with the aforementioned electronic signature certificate, you will have access to the procedure. It is important to read the "help instructions", where you can obtain information on the procedure for attaching documents. A maximum of 10 documents may be attached and the space required may not exceed 10 MB.

Applicants who do not have an electronic signature may access this procedure by obtaining a user through the Unified Register of Applicants of the University of Valladolid (RUS) at the following address: ACCESS RUS-UVa . If the applicant is already a student, or a member of the PAS/PDI of the UVa, RUS should not be used. Nor should it be used if you have a digital certificate, electronic ID or user of the CI@ve system.

4.- Applications submitted in this way will produce the same legal effects as those formulated in accordance with article 16.5 of Law 39/2015, of 1 October, on the Common Administrative Procedure of Public Administrations.

5.- Applicants must check at the electronic headquarters (<https://sede.uva.es>), prior to filling in the documentation, that the computer equipment to be used to electronically register the documentation meets the minimum requirements.

6.- The e-mail address [soporte-sede@uva.es](mailto:soporte-sede@uva.es) will provide assistance in resolving any technical incidents that may arise during the submission of applications.

7.- A copy of the registered document may be obtained in the same Virtual Office, in the "file consultation" section.

8.- Each applicant may only submit one application. In the event that there are several applications from the same person, he/she will be considered to opt for the one submitted last, according to the date and time of registration of entry at this university, so that any application submitted earlier will be considered null and void.

9.- When an unforeseen technical incident or a necessary planned technical maintenance action has prevented the ordinary operation of the UVa's electronic headquarters or of the system or application that corresponds to the



General Electronic Register, an extension of unexpired deadlines may be agreed. If the technical incident occurs within the last twenty-four hours of the established deadline, this deadline shall be automatically extended by twenty-four working hours from the end of this period. If, once this period has been extended, it is foreseen that the technical incident may persist beyond those twenty-four working hours, the competent body for each procedure may agree, expressly and with reasons, to extend the period under the terms of article 32 of Law 39/2015, of 1 October. In all cases, both the technical incident or prior notice of planned unavailability and the specific extension of the deadline, with reference to the procedures affected by such extension, must be published in the electronic headquarters.

### *Ninth. Content of applications*

- 1.- Applications must be accompanied by the following documents:
  - a) Copy of a valid passport (only for foreign citizens not resident in Spanish territory). In the case of Spanish citizens or foreign citizens residing in Spanish territory, participation in this action will entail consent for the examining body to consult and verify the identity data included in the application, in a reliable manner, by means of the Identity Data Verification System, in accordance with the sole article.3 of Royal Decree 522/2006, of 28 April.
  - b) Curriculum Vitae of the applicant, limited to the assessable merits. The merits reflected in the Curriculum Vitae of the applicant must be documented. Publications will preferably be accredited by means of a link to the address of the repository where they are hosted and only exceptionally, if they are not published electronically, the full text in pdf format may be included. All the merits of the Curriculum Vitae must be included in a single pdf document that may not exceed 8 MB. The file name shall be: CV\_first surname.
  - c) Personal academic certification of the studies that give access to the doctorate (bachelor's degree and/or master's degree), taking into account the following circumstances:
    - i. Candidates who have completed all the studies that give access to the doctorate at the University of Valladolid will not need to present a personal academic certificate, as the managing body will have direct access to their academic transcript.
    - ii. Candidates who have completed studies giving access to the doctorate in private or other public establishments



Spanish universities other than the University of Valladolid must provide official certification.

iii. In the case of studies carried out totally or partially in foreign university systems, the official academic certification of the centre issuing the degree must be presented, to which the document of equivalence issued by the Ministry of Education and Vocational Training must be added. In order to request the calculation of equivalent average grades for university studies carried out abroad, please contact the following address:

<https://www.universidades.gob.es/equivalencia-de-notas-medias-de-estudios-universitarios-realizados-en-centros-extranjeros/>

iv. Candidates who are admitted or enrolled in a doctoral programme at the University of Valladolid do not need to submit the certificates. Participation in this call for applications implies authorisation for the managing body to collect the certificates submitted for doctoral enrolment.

d) If applicable, official document accrediting disability equal to or greater than 33%.

2.- The submission of the application will entail the authorisation of the applicant and his/her director of the research work so that the examining body may consult, check, obtain or request the information contained in his/her file at the UVa, necessary for his/her identification as a beneficiary and for the evaluation of merits. The evaluation of the file will be carried out with the documentation validated by the Doctoral School of the UVa for the pre-registration and enrolment of the candidate, if he/she is already admitted to the doctorate.

3.- It will not be necessary for the applicant to accredit the requirement of being pre-registered or enrolled in a doctoral programme. The information will be obtained from the institutional application of the UVa. Likewise, it will not be necessary to indicate the organisational unit to which the research director belongs as this information will be obtained automatically by the administrative services.

4.- The Curriculum Vitae is considered an essential part of the application and if it is not submitted during the application period, the candidate will be excluded without the possibility of alleging this circumstance or rectifying it. In the event of a request for correction, rectification or clarification of any document, it will not be possible to subsequently update the information contained in these documents or alter the content of the document originally submitted. Only the documentation provided within the deadline for the submission of applications will be taken into account and it will not be possible to provide documents supporting new merits not initially declared. The merits claimed that are not supported by documents will not be taken into account, with the exceptions provided for in the following paragraphs



2 and 3 above, and proof of possession must be provided by the closing date for the submission of applications.

5.- The submission of the application implies acceptance of the terms and conditions of the call for applications and consent to be notified at the e-mail address indicated therein.

### *Tenth. Instruction and resolution of the procedure*

1.- The competent body for the instruction and organisation of the procedure will be the Research Support Service of the UVa.

2.- At the end of the deadline for the submission of applications, the Vice-Rector for Research, by delegation of the Rector, will publish on the UVa Electronic Notice Board the provisional lists of those admitted and excluded, indicating in the latter case the reason for exclusion.

3.- Both those candidates excluded and those omitted, the latter because they do not appear on either the lists of those admitted or excluded, will have a period of 10 working days, starting from the day after the aforementioned publication on the Electronic Bulletin Board, to rectify the defects that have led to their exclusion or omission. The publication of these lists on the Electronic Bulletin Board of the UVa will serve as notification to the interested parties, for all purposes. Applicants who, within the period indicated, do not remedy the exclusion or argue against the omission produced, justifying their right to be included, will be definitively excluded from the selection process.

4.- Once the period for rectification has elapsed, the Vice-Rector with responsibility for Research, by delegation of the Rector, will publish the resolution approving the definitive list of those admitted and excluded on the same UVa electronic notice board. The resolution, as a qualified procedural act, may be appealed against within a period of two months before the Administrative Court of Valladolid, or alternatively, within a period of one month, before the Rectorate itself. Both periods will be calculated from the day following the publication of the resolution.

5.- Evaluation. The evaluation of the candidates will be carried out by a commission directed by a Principal Investigator of the project and formed by two other members of the project or of the area of knowledge. The publication of this committee will be made with the RR publishing the definitive list of those admitted and excluded.

6.- The proposed resolution formulated by the Selection Committee will include the scores assigned to each applicant in each of the sections. The scores will be obtained by applying the assessment criteria specified in this call, within the framework of the provisions of Article 16.2 of Law 14/2011, of 1 June, on Science, Technology and Innovation,



modified by Law 17/2022, of 5 September, and will be published on the UVA's electronic notice board. Allegations may be submitted to the Rector within 10 working days of its publication on the UVA's electronic notice board. These allegations will be assessed by the Research Commission, which may request the relevant reports in this regard.

7.- The rectoral resolution of this call for applications will be published on the UVA's electronic notice board.

8.- The aforementioned rectoral resolution may list the candidates on the waiting list who, following the order of the points obtained, will replace the contracts awarded in the event of termination of the contract or withdrawal of the contracted person. These replacements will be possible during the execution of the project as long as the provisions of Royal Decree 103/2019 are complied with. The duration of the aid for the substitutes will be extended by the period not enjoyed by the candidate who has resigned, and may not exceed the duration of 4 years between the two contracts.

10.- Beneficiaries must accept the grant and notify the date of incorporation within 10 days of the publication of the final resolution, by submitting the completed form ANNEX 4 through the electronic register of the UVA. Failure to accept within the deadline will be understood as resignation from the contract. The incorporation to the secondment centre must take place within a maximum period of 3 months from the day after the publication on the website of the State Research Agency of the resolution of award of the call for knowledge generation projects 2022. Predoctoral research staff shall necessarily take up their post on the first day of the corresponding month. If the incorporation does not take place on the dates indicated, it will be understood as resignation from the contract.

11.- Prior to the date of incorporation, the contracted person shall submit his/her training programme, through the UVA electronic register, signed by the contracted person and his/her tutor.

### *Eleventh. Assessment Criteria*

1.- The evaluation process shall comply with the following criteria and sub-criteria:

Academic and/or scientific-technical career of the candidate (up to 50 points).  
Sub-criterion 1.a): Scientific and technical contributions (up to 45 points).  
The academic record and other curricular merits of the candidate will be assessed, as well as their suitability to the tasks to be performed in terms of training and professional experience.





Sub-criterion 1.b): Mobility and internationalisation (up to 5 points). The relevance and impact of the candidate's stays in national and international centres and/or in the industrial sector on his/her research career will be assessed, taking into account the prestige of the entity receiving the stay and the activity carried out there.

Criterion 2. Suitability of the candidate to the research activities to be carried out (up to 50 points). The suitability of the candidate for the programme, project or research activities to be carried out will be assessed on the basis of his/her previous training and experience. To this end, the added value that carrying out the project will represent for his/her research career will be taken into account, as well as the value contributed to the centre and the receiving team.

The evaluation and selection process will take into account the provisions of paragraph 5 of article 4.bis of Law 14/2011, of 1 June, on Science, Technology and Innovation, as amended by Law 17/2022, of 5 September.

2. The selection panel shall draw up a report describing the evaluation and selection process and justifying the suitability of the selected person, on the basis of the above criteria and sub-criteria.

4.- Tie-breaking rules. In the case of applications that obtain equal points, the tie-breaking criterion will be the highest mark obtained in each evaluation criterion, taken in the same order in which they are listed. If it persists, it will be awarded to the person of the gender less represented in the list of persons admitted (excluding those who have tied) and in the event that they are all of the same gender, to the person who first submitted the application, taking as a reference the date and time of registration.

### *Twelfth. Notifications*

1.- Pursuant to the provisions of Article 45 of Law 39/2015, of 1 October, on the Common Administrative Procedure of Public Administrations, notifications will be made by publication on the UVA's Electronic Notice Board, with all the effects of notification.

2.- When completing the application, interested parties must indicate an e-mail address where they can be notified of any incidents in the procedure. In such a case, the investigating body may send the interested party a message, via e-mail, informing them that this new action has taken place and that they may obtain reliable and detailed information about it by accessing <https://sede.uva.es>.



### *Thirteenth. Follow-up*

1.- In accordance with article 11.7 of RD 99/2011 of 28 January, modified by RD 576/2023 of 4 July, which regulates official doctoral studies, each year the academic committee of the doctoral programme shall evaluate the research plan and the activities document together with the reports to be issued by the tutor and the director for this purpose. If the evaluation is not positive, the contract may be terminated in accordance with the applicable employment legislation.

2.- The documentation mentioned in the previous paragraph will be checked in the UVA's institutional doctoral computer application from the day following the last day set for evaluation by the Doctoral School.

3. The pre-doctoral research trainees contracted must draw up two scientific-technical monitoring reports, one intermediate and one final, the latter relating to the entire period of implementation of the grant, including the POP phase if applicable, using the models available for this purpose on the website of the State Research Agency. The intermediate report will be issued during the period comprising the twentieth month and the twenty-first month of implementation of the aid, and the final report during the month following the end of the period of implementation of the aid, respectively, with the calculation starting on the day of effective incorporation of the contracted research personnel into the R&D Centre.

These reports will include a description of what has been done and of compliance with the training programme during the period covered by the report and, where appropriate, the work plan for the remainder of the period of implementation of the grant, with specific reference to the status, progress and completion of the doctoral thesis. The reports will include, in the case of stays, a description of the stay (receiving centre and group, duration, etc.) and the activities carried out. In addition, together with the monitoring reports, the updated curriculum vitae of the research staff in training will be attached.

Together with the final report, the trainee or doctoral research staff must complete the form of scientific-technical indicators defined by the State Research Agency to assess the impact of the action. The values indicated must coincide with those referenced in the curriculum vitae attached.

4. The outcome of the evaluation of the interim report indicated above will be decisive for the continuation of the financing of the contract.

### *Fourteenth. Rights of pre-doctoral research staff*

1.- The contracted person will be assigned to the University Research Institute and/or Department of his/her research work director (or



co-director, if applicable), always on a campus of the University of Valladolid. The Departments and Institutes to which the pre-doctoral research staff in training, contracted in accordance with this call, will provide the collaboration and support necessary for the normal development of their research work, in accordance with the availability of those departments and institutes.

2.- Predoctoral research staff in training shall have all the rights established in Article 14 of Law 14/2011, of 1 June, on Science, Technology and Innovation, modified by Law 17/2022, of 5 September, and in Chapter II of Royal Decree 103/2019, of 1 March, which approves the *statute of pre-doctoral research staff in training*.

3.- Staff contracted under the pre-doctoral grant who carry out their work at the university may collaborate in teaching tasks in a university department, with prior authorisation from the university itself, up to a maximum of 180 hours during the total duration of the grant, and in no case may they exceed 60 hours per year. Under no circumstances may the teaching tasks detract from the dedication to the research and training purposes of the contract.

4.- The university departments of the UVa in which the pre-doctoral research staff in training is integrated will facilitate to such research staff who request it, on equal opportunities, and to the extent possible within the limits set out above, the realization of these collaborations in teaching tasks. The practical exercise of these competences to be acquired will be carried out in undergraduate degrees without, under any circumstances, the person receiving the aid being able to be responsible for or coordinate a subject, or direct TFG, or form part of tribunals or sign minutes. The teaching collaboration will be calculated as established in the current UVa staffing document.

### *Fifteenth. Obligations of pre-doctoral research staff*

1.- The signing of the contract implies the commitment, on the part of the beneficiary, to comply with the conditions set out in this call and in the Order of the call for projects for the generation of knowledge 2022, as well as the duties set out in article 15 of Law 14/2011, of 1 June, on Science, Technology and Innovation, modified by Law 17/2022, of 5 September and in chapter II of Royal Decree 103/2019, of 1 March, which approves the *statute of pre-doctoral research personnel in training*.

2.- Without prejudice to the obligations inherent to their status as staff with an employment contract with the UVa, the persons selected within the framework of this call must:

- a) Once the employment contract has been formalised, to join the UVa Centre and the UVa Department/University Research Institute, which will be their usual place of work.



- b) To request and obtain authorisation from the Vice-Rector with responsibility for Research for any change in the Department or University Research Institute to which it is attached, subject to a report from both Departments or Institutes concerned.
- c) To complete the different stages of the training process, the completion of the thesis and participation in research projects in which it is involved.
- d) Request prior authorisation from the Vice-Rector's Office with responsibility for Research for any temporary absence from the Department/Institute of assignment related to training and research activities. However, for absences due to attendance at congresses, meetings or scientific conferences, only the authorisation of the person in charge of the research and of the Department/Institute of assignment will be required.
- e) Communicate to the managing body (UVa Research Support Service) the date of the reading of the doctoral thesis, at least 10 days before it.

3.- Contracted research staff are obliged to state their affiliation to UVa in publications and other results that may result from their research work, in accordance with the Resolution of the Rectorate of the University of Valladolid of 8 April 2013, on the standardisation of institutional affiliation in all types of publications by staff linked to the University of Valladolid.

4. Likewise, it must publicise the public nature of the funding of the subsidised activity, making express reference to the call, the awarding body (State Research Agency) and the co-financing by the ESF+, in the publications, papers, activities for the dissemination of results and any other action resulting from the grants for the training of pre-doctoral research personnel awarded under this call in accordance with the provisions of Article 23.3.b) of the Order on the call for projects for the generation of knowledge 2022.

5. the research results, including scientific publications, data, codes and methodologies, resulting from the funding awarded under this call will be made available in open access, in accordance with Article 37 of Law 14/2011 of 1 June, as amended by Law 17/2022 of 5 September. When the research results are disseminated in scientific publications, a copy of the final version accepted for publication and the associated data must be deposited in institutional or thematic open access repositories at the same time as the publication date. To this end, authors of scientific papers that have been accepted for publication in serial or periodical publications may choose to publish in



open access journals or self-archiving in institutional or thematic open access repositories, included in the RECOLECTA platform of the Spanish Foundation for Science and Technology (FECYT), or in other repositories promoted by the institutions themselves (UVADOC).

Beneficiaries of such grants shall ensure that they retain the intellectual property rights necessary to comply with open access requirements.

### *Sixteenth. Resolution period*

The time elapsed between the publication and the resolution of the call for applications may not exceed six months from the start of the application period for this call for applications, except in the event of the legal cases of suspension or extension of the period due to contestation or other justifiable causes as determined by the Rector. The aforementioned period may be suspended for the time between the request for assessment to the Selection Committee and the receipt of the report; in this case, the interested parties shall be notified in accordance with the legal provisions.

### *Seventeenth. Legal Regime*

The call will be governed by the following rules:

- Order approving the call for early processing for the year 2022 of the procedure for granting aid for "Knowledge Generation Projects" and actions for the training of pre-doctoral research personnel associated with these projects, within the framework of the State Plan for Scientific, Technical and Innovation Research 2021-2023.
- Order CIN/1025/2022, of 27 October, published in the Official State Gazette of 29 October, approving the regulatory bases for the granting of public aid corresponding to various programmes and sub-programmes of the State Plan for Scientific and Technical Research and Innovation 2021-2023, the management of which corresponds to the State Research Agency.
- Regulation (EU) 2021/1060 of the European Parliament and of the Council of 24 June 2021 laying down common provisions on the European Regional Development Fund, the European Social Fund Plus, the Cohesion Fund, the Just Transition Fund and the European Maritime, Fisheries and Aquaculture Fund, as well as the financial rules for those Funds and for the Asylum, Migration and Asylum Support Fund (AMSF).



Integration, the Internal Security Fund and the Financial Support Instrument for Border Management and Visa Policy.

- Regulation (EU) 2021/1057 of the European Parliament and of the Council of 24 June 2021 establishing the European Social Fund Plus (ESF+) and repealing Regulation (EU) No 1296/2013.
- Ministerial Order determining the expenditure eligible for ESF+ for the programming period 2021-2027.
- Royal Decree 99/2011, of 28 January, modified by RD 576/2023, of 4 July, which regulates official doctoral studies (BOE 10/02/2011).
- Resolution of 9 May 2022, of the Rectorate of the University of Valladolid, delegating certain powers to various unipersonal bodies of this university, and adopting other organisational measures (BOCYL 18/05/2022).
- Statutes of the University of Valladolid, approved according to agreement 111/2020, of 30 December, of the Junta de Castilla y León, (BOCYL of 31 December 2020).
- Law 39/2015, of 1 October, on the Common Administrative Procedure of Public Administrations.
- Law 40/2015, of 1 October, on the Legal Regime of the Public Sector.
- Ley Orgánica 2/2023, de 22 de marzo, del Sistema Universitario (B.O.E. de 23 de marzo de 2023).
- Law 14/2011 of 1 June 2011 on Science, Technology and Innovation, as amended by Law 17/2022 of 5 September.
- *R.D. Legislative 5/2015, of 30 October, approving the revised text of the Law on the Basic Statute of the Public Employee.*
- Organic Law 4/2000 of 11 January 2000 on the rights and freedoms of foreigners in Spain and their social situation (BOE of 12 January 2000).
- Royal Legislative Decree 2/2015 of 23 October 2015, approving the revised text of the Workers' Statute Law (BOE of 24 October 2015).
- Royal Decree 103/2019, of 1 March, approving the Statute of pre-doctoral research personnel in training.
- The Regulation for the contracting of research personnel and collaborating personnel for research tasks, financed on a finalist basis from projects, contracts, agreements or





research agreements, approved by Decision of the Governing Council on 31 January 2013.

### *Eighteenth. Data protection*

1.- The personal data resulting from this call for applications will be treated confidentially and will be incorporated into processing files owned by the University of Valladolid, for the purpose of resolving the call for applications. They will be kept for the time necessary to fulfil this purpose and the data of the contracts awarded will be kept for the appropriate certification and statistical purposes.

2.- The information document on the protection of personal data is included as ANNEX C to this call for applications.

### *Nineteenth. Gender issue*

In coherence with the value of gender equality assumed by the University, all the denominations that in this resolution are made in the masculine gender, when they have not been substituted by generic terms, will be understood to be made indistinctly in the feminine gender.

### *Twelfth. Resources*

A contentious-administrative appeal may be lodged against this call for applications, which is final and exhausts the administrative procedure, within two months of the day following its publication, with the administrative court in Valladolid. Alternatively, an appeal for reconsideration may be lodged with the Rectorate of the University of Valladolid within one month of the day following publication. In this case, the aforementioned contentious-administrative appeal may not be lodged until an express decision has been taken or the appeal for reconsideration has been rejected.

Valladolid, 28 September 2023 THE  
RECTOR,  
(By delegation, RR. of 09/05/2022, BOCyL of 18/05/2022, modified by  
RR of 11/07/2022, BOCyL of 18/07/2022)  
The Vice-Rector for Research Mr.  
Enrique Baeyens Lázaro



## ANNEX A

# List of projects that have been awarded a pre-doctoral contract in the Call for knowledge generation projects 2022.

| REFERENCE            | TITLE   | CENTRE  | PROVINCE   | IP1                              | IP2                      |
|----------------------|---|---|------------|----------------------------------|--------------------------|
| PID2022-138286NB-I00 | THE CHRONECTOMIC BRAIN: IDENTIFYING THE NEUROPATHOLOGICAL HALLMARKS OF DEMENTIA   | DPTO. OF SIGNAL AND COMMUNICATIONS THEORY AND TELEMATIC ENGINEERING. BIOMEDICAL ENGINEERING GROUP         | VALLADOLID | JESUS POZA CRESPO                | CARLOS GOMEZ PEÑA        |
| PID2022-140127OB-I00 | SCRUB AS AN ENGINEERING SPECIES IN THE REHABILITATION OF COAL MINES FOR FORESTRY AND FOREST USE. PASCICOLA  | HIGHER TECHNICAL SCHOOL OF AGRICULTURAL ENGINEERING. DPTO. OF AGROFORESTRY SCIENCES                       | PALENCIA   | CAROLINA MARTINEZ RUIZ           | JUAN GARCIA DURO         |
| PID2022-140104OA-I00 | DEVELOPMENT OF METHODOLOGY BASED ON USER NEEDS AND PREFERENCES FOR MAPPING TREE LISTS AND PROJECTING FOREST MANAGEMENT SCENARIOS UNDER CLIMATE CHANGE | SCHOOL OF FORESTRY, AGRONOMY AND BIOENERGY ENGINEERING. DPTO. OF PLANT PRODUCTION AND RESOURCES FORESTRY. | SORIA      | FRANCISCO MAURO GUTIERREZ        | DAVID CANDEL PEREZ       |
| PID2022-137104NA-I00 | BIODISOLVENTS FOR THE TECHNOLOGICAL DEVELOPMENT OF NEW CO2 WET ABSORPTION/COMPRESSION COOLING SYSTEMS   | FACULTY OF SCIENCE. DPTO. APPLIED PHYSICS   | VALLADOLID | LUIS FERNANDO HEVIA DE LOS MOZOS | DANIEL LOZANO MARTIN     |
| PID2022-141489NA-I00 | POLITICS OF DEATH AND THE DIACHRONY OF INEQUALITY IN THE MEGALITHIC TOMBS OF THE DUERO VALLEY ALONG THE DURING THE 4TH MILLENNIUM B.C.                | FACULTY OF PHILOSOPHY AND LETTERS. DPTO. PREHISTORY AND HISTORIOGRAPHIC SCIENCES.                         | VALLADOLID | CRISTINA TEJEDOR RODRIGUEZ       | TERESA FERNANDEZ CRESPO  |
| PID2022-136605OB-C21 | ROLE OF INSULIN-DEGRADING ENZYME IN THE PRIMARY TUBULIN-CILIUM AXIS IN THE REGULATION OF INSULIN SECRETION INSULIN AND GLUCAGON                       | FACULTY OF MEDICINE. DPTO. BIOCHEMISTRY, MOLECULAR BIOLOGY AND PHYSIOLOGY                                 | VALLADOLID | IRENE COZAR CASTELLANO           |                          |
| PID2022-137956NB-I00 | INTERCELLULAR TRAFFICKING OF APOLIPOPROTEIN D IN THE NERVOUS SYSTEM: FUNCTIONAL IMPLICATIONS FOR HEALTH CONDITIONS AND ILLNESS                        | INSTITUTE OF MOLECULAR BIOLOGY AND GENETICS (IBGM)  | VALLADOLID | MARIA DOLORES GANFORNINA ALVAREZ | DIEGO SANCHEZ ROMERO     |
| PID2022-136682NA-I00 | INFLUENCE OF GLOBAL WARMING ON THE SOURCES, CYCLES AND FATE OF LEGACY AND EMERGING POLLUTANTS IN THE LAKES OF THE BYERS PENINSULA (ANTARCTICA)        | INSTITUTE FOR SUSTAINABLE PROCESSES   | SORIA      | ANA CABRERIZO PASTOR             |                          |
| PID2022-142403OA-I00 | OPTIMISATION OF AGRICULTURAL PRODUCTION: LOOKING FOR SYNERGIES BETWEEN STIMULATION METHODS AND THE POLLINATION  | HIGHER TECHNICAL SCHOOL OF AGRICULTURAL ENGINEERING. DPTO. OF PLANT PRODUCTION AND RESOURCES FORESTRY     | PALENCIA   | JORGE MARTIN GARCIA              | MARIA ISABEL POZO ROMERO |



## ANNEX B. Lines of action for the completion of a doctoral thesis within the scope of a project

| Project reference   | Project title  | Centre and Dept/Institute of implementation |
|---|--|---|
| <b>PID2022-136682NA-I00</b>   | INFLUENCE OF GLOBAL WARMING ON THE SOURCES, CYCLES AND FATE OF LEGACY AND EMERGING POLLUTANTS IN THE LAKES OF THE BYERS PENINSULA (ANTARCTICA) | INSTITUTE FOR SUSTAINABLE PROCESSES         |
| Campus of realisation   | Principal Investigator   |   |
| Soria Campus  | ANA CABRERIZO PASTOR   |   |
| <b>Scientific lines of the project in which the thesis would be framed.</b>   |  |   |
| <p>The thesis proposed aims to understand i) the occurrence of legacy and emerging pollutants, with special focus on PCBs, OCPs, PFAS, OPES and microplastics, together with a screening of non target pollutants in 5 selected Antarctic lakes, ii) the transport mechanisms and bioaccumulation processes, including interactions between water-sediments-aquatic food webs organisms in selected pristine Antarctic lakes of Antarctic Peninsula, how they are coupled with the carbon cycle and how climate change may affect their fate and bioavailability through the Antarctic food webs.</p> <p>The output of the project will help us to understand the impacts that changing pathways and climatic conditions will have on legacy and emerging pollutants, in the transfer within their food webs.</p> <p>The highly motivated pre-doctoral candidate will foreseeably have a Bachelor's degree and Master's degree in Chemical Sciences, Marine Science, Biology, Environmental Sciences, Biotechnology or related degrees.</p> <p>Field sampling experience, together with knowledge of chromatographic techniques such as GC/MS, GC/MS-MS and LC/MS-MS will be a plus</p> <p>The work to be carried out during his/her PhD will involve field a sampling campaign in the Antarctica so candidate should be highly motivated to carry his/her sampling during 4-6 weeks within the Spanish Polar Infrastructures in the Antarctic Peninsula (Byers Camp and Juan Carlos I Station) during the Antarctic summer. This will involve the collection of lake water, soil, vegetation, snow, lake sediments, etc.</p> <p>The work to be carried involves the preparation of the sampling campaign, execution, analysis of samples, statistical analysis, papers writing and presentation of results.</p> <p>Good level of English (writing and speaking) is required</p> <p>Place of work will be the University of Valladolid, mainly in Soria Campus but several stays every 3-4 months will be done in the Campus of Valladolid.</p> |  |   |



| Project reference   | Project title  | Centre and Dept/Institute of implementation   |
|---|--|---|
| <b>PID2022-140127OB-I00</b>   | SHRUBLANDS AS ENGINEERING SPECIES IN THE REHABILITATION OF COAL MINES FOR FORESTRY AND PASTURE USE | HIGHER TECHNICAL SCHOOL OF AGRICULTURAL ENGINEERING. DPTO. OF AGROFORESTRY SCIENCES |
| Campus of realisation   | Principal Investigator   | <b>IP2</b>  |
| PALENCIA  | CAROLINA MARTÍNEZ RUIZ   | JUAN GARCÍA DURO  |
| <b>Scientific lines of the project in which the thesis would be framed.</b>   |  |   |
| <ol style="list-style-type: none"> <li>1) Shrub-tree interactions: assessment of shrub facilitation as an ecological mechanism and tool for precision forest restoration and nature-based solution in ecological restoration of mining sites.</li> <li>2) Enabling mechanisms (soil and microclimate improvement): temporal monitoring and modelling.</li> <li>3) Spatial and temporal dynamics of <i>Quercus petraea</i> natural regeneration along the forest-mine gradient: recruitment, mortality, survival, growth, effect of herbivores.</li> <li>4) Quantification of the water stress experienced by oak trees depending on the microenvironment and the role of shrubs in their response in years with different climatic conditions.</li> </ol> |  |   |

| Project reference  | Project title  | Centre and Dept/Institute of implementation                               |
|--|--|---|
| <b>PID2022-136605OB-C21</b>  | ROLE OF INSULIN-DEGRADING ENZYME IN THE PRIMARY TUBULIN-CILIUM AXIS IN REGULATING INSULIN AND GLUCAGON SECRETION | FACULTY OF MEDICINE. DPTO. BIOCHEMISTRY, MOLECULAR BIOLOGY AND PHYSIOLOGY |
| Campus of realisation  | Principal Investigator   |   |
| VALLADOLID   | IRENE COZAR CASTELLANO   |   |
| <b>Scientific lines of the project in which the thesis would be framed.</b>  |  |   |
| <ul style="list-style-type: none"> <li>-Regulation of the endocrine pancreas under physiological and pathophysiological conditions.</li> <li>-Role of IDE (insulin-degrading enzyme) in the functioning of the endocrine pancreas: alpha- and beta-pancreatic cells.</li> <li>-Cellular mechanisms controlling insulin and glucagon secretion: role of microtubules and the primary cilium.</li> <li>-Energy metabolism of alpha- and beta-pancreatic cells: mitochondrial dynamics and function.</li> </ul> |  |   |



| Project reference           | Project title   | Centre and Dept/Institute of implementation        |
|-----------------------------|---|--|
| <b>PID2022-137956NB-I00</b> | INTERCELLULAR TRAFFICKING OF APOLIPOPROTEIN D IN THE NERVOUS SYSTEM: FUNCTIONAL CONSEQUENCES UNDER CONDITIONS OF HEALTH AND ILLNESS | INSTITUTE OF MOLECULAR BIOLOGY AND GENETICS (IBGM) |
| Cam pus of realisation      | I nvestigator   | IP2  |
| VALLADOLID                  | MARIA DOLORES GANFORNINA ALVAREZ  | DIEGO SANCHEZ ROMERO                               |

**Scientific lines of the project in which the thesis would be framed.**

Our view of cell-cell communication mechanisms has recently expanded thanks to the recognition of various forms of extracellular trafficking, based on molecule-receptor interactions, in extracellular vesicles, or in lipoprotein particles. **The overall objective of the research line in which the doctoral thesis offered is framed is to elucidate the relationships between the extracellular trafficking of a neuroprotective protein, Apolipoprotein D (ApoD), and the functions it exerts.** The thesis would have the following particular objectives:

- To analyse, ex vivo and in vivo, whether physiological or pathological conditions modify the secretion profile, changing the proportion of soluble, exosome-bound and HDL-bound ApoD.
- To test whether the extracellular forms of ApoD have differential effects on two functions: regulation of microglial cytokine production, and modulation of amyloidogenesis in neurons.
- To analyse the composition of ApoD-positive astrocyte exosomes and HDLs (proteome and micro-RNAs), to obtain information on ApoD co-transport molecules that contribute to their function.

This project will refine our understanding of the biology of a particular neuroprotectant, ApoD, while increasing global knowledge about new modes of cell-cell communication in the healthy and diseased brain.



| Project reference      | Project title   | Centre and Dept/Institute of implementation |
|------------------------|---|---|
| PID2022-137104NA-I00   | BIODISOLVENTS FOR THE TECHNOLOGICAL DEVELOPMENT OF NEW WET COMPRESSION/ABSORPTION REFRIGERATION SYSTEMS OF CO <sub>2</sub> (BIOCOOLING) | FACULTY OF SCIENCE, DPTO. APPLIED PHYSICS   |
| Cam pus of realisation | Principal Investigator  | IP2   |
| VALLADOLID             | LUIS FERNANDO HEVIA OF LOS MOZOS  | DANIEL LOZANO MARTÍN                        |

**Scientific lines of the project in which the thesis would be framed.**

The vision of the BIOCOOLING project is the integration of CO<sub>2</sub> mixtures with biomass-derived solvents (*Bio-Based Solvents*, BBS) as working fluids for *Wet Compression/Absorption (WCA)* refrigeration machines. Recent reports from the International Institute of Refrigeration (IIR) estimate that 8% of global greenhouse gas emissions are attributed to refrigeration and heat pumps. Of these, 60% are indirect emissions associated with the manufacture of the more than 3 billion refrigeration units operating worldwide and the associated electricity production. Comprehensive thermodynamic characterisation and modelling of CO<sub>2</sub> mixtures with different BBS will lead to the development of safer, greener and more efficient refrigeration systems. The objectives of BIOCOOLING are:

- a) Characterisation of natural refrigerants composed of CO<sub>2</sub> and different BBS using experimental data and thermodynamic models.
- b) Investigation of the behaviour and efficiency of these refrigerants in WCA systems by evaluating the efficiency of models of these cycles and numerical simulations of their operation.

Renault S.A. has shown its support and interest in helping to exploit the results of BIOCOOLING. This project will also be carried out in close collaboration with experts from the TIM research group (*Thermodynamique et Interactions Moléculaires*) belonging to the *Institut de Chimie de Clermont-Ferrand (ICCF)* in France, a joint research unit between the *Université Clermont Auvergne (UCA)* and the *Centre National de la Recherche Scientifique (CNRS)*. The person recruited will be able to carry out at least two short stays of 3 months.

More information: <https://lnkd.in/dGQC33dA> or <https://getef.uva.es/biocoooling>

Contact: [luisfernando.hevia@uva.es](mailto:luisfernando.hevia@uva.es) or [gir.getef@uva.es](mailto:gir.getef@uva.es)





| Project reference  | Project title  | Centre and Dept/Institute of implementation          |
|--|--|--|
| <b>PID2022-142403OA-I00</b>  | OPTIMISATION OF AGRICULTURAL PRODUCTION: LOOKING FOR SYNERGIES BETWEEN STIMULATION METHODS AND THE POLLINATION | HIGHER TECHNICAL SCHOOL OF AGRICULTURAL ENGINEERING. |
| Camp us of realisation   | I nvestigator  | IP2  |
| PALENCIA   | JORGE MARTIN GARCIA  | MARIA ISABEL POZO ROMERO                             |
| <b>Scientific lines of the project in which the thesis would be framed.</b>  |  |  |
| <ul style="list-style-type: none"> <li>• Biotechnological Applications for Sustainable Agriculture: application of integrated management techniques as alternatives to chemical fertilisation.</li> <li>• Use of physical (ozone and UV radiation) and biological priming techniques (micro-organisms).</li> <li>• Study of the morphological, physiological, biochemical and molecular (metabolomics and transcriptomics) response of plants.</li> <li>• Existence of possible cascade effects and tripartite plant-microbe-pollinating insect interactions affecting agricultural production.</li> </ul> |  |  |

| Project reference  | Project title   | Centre and Dept/Institute of implementation  |
|--|---|--|
| <b>PID2022-138286NB-I00</b>  | THE CHRONECTOMIC BRAIN: IDENTIFYING THE NEUROPATHOLOGICAL HALLMARKS OF DEMENTIA | DPTO. OF SIGNAL THEORY AND COMMUNICATIONS E TELEMATIC ENGINEERING. GROUP OF BIOMEDICAL ENGINEERING RIA BIOMEDICA |
| Cam pus of realisation   | Principal Investigator  | IP2  |
| VALLADOLID   | JESUS POZA CRESPO   | CARLOS GÓMEZ PEÑA  |
| <b>Scientific lines of the project in which the thesis would be framed.</b>  |   |  |
| <p>The Doctoral Thesis to be carried out would be framed within the field of Biomedical Engineering, specifically in the area of neuroengineering. The scientific lines to be developed would be:</p> <ul style="list-style-type: none"> <li>• Research into new methods for the construction and characterisation of dynamic brain networks (chronectomics) generated from neural activity signals.</li> <li>• Research on methods for fusion of heterogeneous biomedical data to generate pathophysiological fingerprints of different types of dementia.</li> </ul> |   |  |



| Project reference  | Project title  | Centre and Dept/Institute of implementation  |
|--|--|--|
| <b>PID2022-140104OA-I00</b>  | DEVELOPMENT OF A METHODOLOGY BASED ON USER NEEDS AND PREFERENCES FOR MAPPING TREE LISTS AND PROJECTING FOREST MANAGEMENT SCENARIOS UNDER CLIMATE CHANGE. | Institute University Institute Management<br>Research Institute<br>Sustainable Forestry.<br>Plant Production |
| Campus of realisation  | Principal Investigator   | IP2  |
| SORIA  | FRANCISCO MAURO GUTIERREZ  | DAVID CANDEL PEREZ   |
| <b>Scientific lines of the project in which the thesis would be framed.</b>  |  |  |
| <p>The project aims to develop artificial intelligence and machine learning methods that use inputs from remote sensors (Lidar, Landsat time series, Sentinel images, etc.) to generate cartographies that can be used as inputs in forest growth simulators. The desired output is known as a tree-list and provides information on the different cohorts of trees present in a given area. The tree-lits generated will be used together with pre-existing climate-sensitive forest growth models to obtain predictions on the evolution of forests under different climate change scenarios. The lines of research to be developed are:</p> <ol style="list-style-type: none"> <li>1) Developments of tree-list prediction models based on imputation methods and artificial intelligence methods.</li> <li>2) Validation of tree-list prediction models and comparison, at different scales, of imputation techniques versus artificial intelligence techniques.</li> <li>3) Evaluation of projections of forest ecosystem change made by combining 1) climate-sensitive forest growth models and 2) the outputs generated and validated in the project.</li> </ol> <p>For the evaluation and development of the lines described above, interviews will be carried out with forest managers, fire protection personnel, small forest owners, among others, in order to identify critical variables for which tree-list prediction should be optimised.</p> |  |  |



| Project reference   | Project title  | Centre and Dept/Institute of realisation   |
|---|--|--|
| <b>PID2022-141489NA-I00</b>   | POLITICS OF DEATH AND THE DIACHRONY OF INEQUALITY IN THE MEGALITHIC TOMBS OF THE DUERO VALLEY ALONG THE DURING THE 4TH MILLENNIUM B.C. | FACULTY OF PHILOSOPHY AND LITERATURE. DPTO. PREHISTORY, ARCHAEOLOGY, SOCIAL ANTHROPOLOGY AND SOCIAL SCIENCES AND ANTHROPOLOGY, HISTORIOGRAPHICAL TECHNIQUES. |
| Campus of realisation   | Principal Investigator 1   | Principal Investigator 2   |
| VALLADOLID  | CRISTINA TEJEDOR RODRIGUEZ   | TERESA FERNANDEZ CRESPO  |
| Scientific lines of the project in which the thesis would be framed.  |  |  |
| Recent prehistory<br>Megalithic<br>Inland Iberian Peninsula<br>Physical Anthropology<br>Taphonomy<br>Bioarchaeology<br>Chronometry Inequality<br>Socioeconomy<br>Funerary practices |  |  |



## ANNEX C

### INFORMATION ON THE PROCESSING OF PERSONAL DATA

Call 2023 for FPI pre-doctoral contracts of the University of Valladolid,

#### 1. Responsible for processing

University of Valladolid

VAT NO: Q4718001C

Address: Plaza del Colegio de Santa Cruz, 8 - 47002 Valladolid

Responsible for privacy: [responsable.privacidad@uva.es](mailto:responsable.privacidad@uva.es) Delegado de protección de datos: [delegado.proteccion.datos@uva.es](mailto:delegado.proteccion.datos@uva.es)

#### 2. Data Protection Officer

This is the professional figure who supervises compliance with personal data protection by the University of Valladolid.

Please contact [delegado.proteccion.datos@uva.es](mailto:delegado.proteccion.datos@uva.es)

#### 3. Purposes for which personal information is collected

The data are used for the administrative management and processing of the grants covered by this call for proposals.

#### 4. Legal basis for processing

The University of Valladolid is an institution that provides and guarantees the public service of university higher education through teaching, research and knowledge transfer in accordance with the provisions of article 2 of Organic Law 2/2023, of 22 March, on the University System.

The promotion of scientific research and technological development in the university sphere shall be the responsibility of the General State Administration and the Autonomous Communities, in accordance with the applicable legislation, without prejudice to the development of the universities' own programmes.

The Order approving the call for early processing for the year 2022 of the procedure for granting aid for "Knowledge Generation Projects" and actions for the training of pre-doctoral research personnel associated with these projects, within the framework of the State Plan for Scientific, Technical and Innovation Research 2021-2023.

Likewise, the official publication of personal information in the National Database of Subsidies, in bulletins and/or official notice boards, and in the transparency portal of the University of Valladolid, are based on:

- Law 39/2015, of 1 October, on the Common Administrative Procedure of Public Administrations.
- Law 19/2013, of 9 December, on transparency, access to public information and good governance.



- Law 3/2015, of 4 March, on Transparency and Citizen Participation of Castilla y León.
- Law 38/2003 of 17 November 2003 on General Subsidies.

#### 5. Compulsory transfers of data

Successful applicants will be published on the official notice board of the electronic headquarters of the University of Valladolid and the awarding body (AEI) will be notified.

#### 6. Data retention period

The personal data provided will be kept in accordance with their nature according to the following criteria:

- For the period necessary for the lodging of any administrative or judicial appeals that may take place.
- The University of Valladolid is a public institution subject to the obligations of Law 16/1985 of 25 June 1985 on Spanish Historical Heritage and Law 6/1991 of 19 April 1991 on Archives and Documentary Heritage of Castilla y León and, therefore, it may conserve information determined for archival reasons in the public interest.

#### 7. Rights of the persons concerned

In order to maintain control over their data at all times, interested parties may exercise their rights of access, rectification, deletion, portability, limitation or opposition to processing by submitting a letter to the Registry of the University of Valladolid or by post addressed to:

*Privacy Officer.*

*Plaza del Colegio de Santa Cruz, 8 - 47002 Valladolid*

Where appropriate, supporting documentation must be provided:

- Proof of the identity of the person concerned by means of any valid document, such as ID card or passport.
- Name and surname of the person concerned or, where appropriate, of the person representing him/her, as well as the document accrediting such representation.
- The request in which the application is made.
- Address for notifications, date and signature of the applicant.
- Documents supporting the request being made, if applicable.
- In the case of rectification or erasure, indication of the data to be rectified or erased and the reason for it.

#### 8. Competent authority for lodging complaints

In the event that you wish to lodge a complaint or obtain additional information on the regulation of the processing of personal data in Spain, the competent authority is the Spanish Data Protection Agency (Agencia Española de Protección de Datos, Jorge Juan, 6 28001-Madrid).