



CONVOCATORIA DE IFMIF-DONES España, CORRESPONDIENTE  
AL AÑO 2023, PARA DOS CONTRATOS PREDOCTORALES EN EL  
ÁMBITO DEL PROYECTO TECHAC



EXTRACTO EN INGLÉS

# EXTRACT FROM THE CALL FOR PROPOSALS FOR TWO PRE-DOCTORAL CONTRACTS WITHIN THE SCOPE OF THE TECHAC PROJECT

For a wider promotion of the call, an extract in English is published. However, the only official version is the Spanish version and, therefore, the Spanish version is the only one which may be used by interested parties for the purposes of lodging appeals and the exercise of the rights to which they are entitled.

The purpose of this resolution is to approve the call, corresponding to the year 2023, for 2 positions of temporary labour staff, category predoctoral research staff in training, by means of a predoctoral contract modality for their incorporation to the project "ProyExcel\_00989: INNOVATIVE TECHNOLOGIES FOR THE DESIGN AND INSTRUMENTATION OF FUTURE HADRON ACCELERATORS (TECHAC)".

These contracts are fully funded by the Consejería de Universidad, Investigación e Innovación of the Regional Government of Andalusia under the terms set out in the Resolution of the General Secretariat for Research and Innovation, which grants aid to projects of excellence, on a competitive basis, aimed at entities qualified as Agents of the Andalusian Knowledge System, within the scope of the Andalusian Plan for Research, Development and Innovation (PAIDI 2020). Call 2021.

## Requirements for applicants

In order to be admitted to the selective process, applicants must meet the following requirements for participation on the day the deadline for submitting applications expires and maintain the following requirements until the time the employment contract is formalised:

- Nationality:
  - To have Spanish nationality.
  - They may also take part as employed personnel under the same conditions as Spaniards, with the exception of those public posts that directly or indirectly imply participation in the exercise of public power or in the safeguarding of the general interests of the state and of the Public Administrations:
    - (a) Nationals of Member States of the European Union.
    - b) The spouse of Spanish nationals and of nationals of other Member States of the European Union, whatever their nationality, provided that they are not legally separated. Likewise, under the same conditions, their descendants under twenty-one years of age or dependent descendants over twenty-one years of age may also participate.
    - c) Persons included in the scope of application of the International Treaties concluded by the European Union and ratified by Spain, in which the free movement of workers is applicable.

d) Applicants not residing in Spain included in section b), as well as foreigners included in section c) must accompany their application with the documents accrediting the conditions they claim.

e) Nationals of non-EU countries with legal residence in Spain, who must be in one of the following situations:

- Temporary residence status.
- Situation of permanent residence.
- Authorisation to reside and work.
- Refugee status.

and must accompany their application with the document that accredits the conditions that they allege.

f) Likewise, nationals of non-EU countries who do not currently have legal residence in Spain may participate in the selection process. However, the possible formalisation of the work contract, in the event of passing the selection process and being awarded the contract, will be conditional upon obtaining the residence and work authorisation established in the legislation on foreigners.

- Capacity: Possess the functional capacity to carry out the tasks.
- Age: Be at least 16 years of age and not exceed, where applicable, the maximum age for compulsory retirement.
- Qualifications:

Applicants may be holders of a Bachelor's degree, an engineering degree, an architect's degree, a university degree with at least 300 ECTS (European Credit Transfer System) credits or a Master's degree, or equivalent, as described in Annex II, and are enrolled or admitted to a doctoral programme for the completion of a doctoral thesis. 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 of formalisation of the contract, and must submit a letter of admission to the doctoral programme issued by the unit responsible for the programme, or by the doctoral or postgraduate school where applicable, in accordance with article 21 b) of Law 14/2011, of 1 June.

Applicants with qualifications obtained abroad must accredit, within the period stipulated in the conditions, that they are in possession of the corresponding accreditation credential or, where applicable, the corresponding equivalence certificate. This requirement shall not apply to applicants who have obtained recognition of their professional qualifications, in the field of regulated professions, under the provisions of Community regulations.

In the event that the person selected has previously held a pre-doctoral contract for a period equal to or less than twelve months, the duration of the contract to be formalised must be such that the sum of the previous periods of enjoyment under this modality results in a maximum combined period of four years, except in the case of people with disabilities, in which case the contract period may not exceed six years. Applicants claiming a disability with a degree equal to or greater than 33% must attach a Technical Opinion issued by the Technical Assessment Body that has assessed the degree of disability.

In these cases, a declaration of responsibility must be attached from the person selected, stating the previous periods of enjoyment of a contract under the pre-doctoral contract modality, indicating the start and end dates of the contractual link, as well as a copy of the previous contract(s), if applicable. The information contained in this declaration may lead to the modification of the initial conditions of the contracts and of the deadlines for their execution.

- Applicants who are in any of the following circumstances shall not be eligible for the hiring incentive:
  - To be enjoying at the time of application a pre-doctoral contract at any Spanish or foreign university for a period of more than 12 months.
  - To be in possession of a doctorate degree from any Spanish or foreign university.
  - To have been dismissed by disciplinary proceedings from the service of any of the Public Administrations or the Constitutional or Statutory Bodies of the Autonomous Communities, to be in absolute or special disqualification for public posts or positions by a final judicial decision, or to exercise functions similar to those they performed in the case of employment personnel, in which they had been disqualified or dismissed.

## Applications

Participation in this selection process requires the presentation of a duly completed application form, according to the model attached in Annex IV of these conditions.

The presentation of the application corresponding to the model in Annex IV of these conditions, together with the corresponding documentation, shall be made within 15 working days, starting on the working day following the date of publication of this call for applications:

- a) Telematically through the General Electronic Register of the General Administration of the State [www.administracion.gob.es](http://www.administracion.gob.es)
- b) Applications may also be completed on paper, which will be registered in person, presenting Annex IV and the associated documentation, at the registry of IFMIF-DONES España (Calle Gran Vía de Colón nº 48 18010 (Granada).
- c) Or in any of the ways established in Article 16 of Law 39/2015, of 1 October, of the Common Administrative Procedure of Public Administrations.

Applications should be addressed to the Director of IFMIF-DONES Spain.

The application form shall state the e-mail address designated for the purposes of any communications and/or requirements that may be made, which shall be considered valid for the purposes of notifications.

The application form must be signed by the applicant, so that applicants declare that the information contained therein is true, and that they meet the conditions required in the call for applications, undertaking to provide documentary proof of all the information contained in the application.

Applications submitted in person at the IFMIF-DONES España Registry or through the Spanish Post Office must be submitted in an open envelope to be dated and stamped by its staff before being registered or sent by registered mail.

Applicants submitting their applications must simultaneously send an e-mail to the e-mail address indicated in ANNEX III of this call, informing of their submission and the means used.

Failure to submit the application in due time and form will result in the exclusion of the applicant.

Each application must be accompanied by:

- Curriculum Vitae of the applicant.
- Personal academic certification (with transcript of grades per subject) of the degree or bachelor's degree.
- Copy of the academic degree (bachelor's degree/graduate degree/master's degree). Applicants with qualifications obtained abroad must accredit that they are in possession of the corresponding homologation certificate or, where applicable, the corresponding equivalence certificate. This requirement will not apply to applicants who have obtained recognition of their professional qualification, in the field of regulated professions, under the provisions of Community regulations.
- Documentation accrediting the merits that the applicants wish to be assessed in the competition, in accordance with the merits that may be claimed and which are listed in Annex I. The merits claimed must be in their possession on the date of the deadline for submission of applications and must be duly documented in order to be assessed.
- Document accrediting enrolment, admission or pre-admission to a doctoral programme issued by the unit responsible for that programme, or by the doctoral or postgraduate school where applicable, and which may be presented within the period established for the end of the deadline for claims against the provisional award decision.

If you are enrolled in a doctoral programme prior to 2022-23, you must submit the registration for the academic year 2021-22 or earlier, if applicable. If you are unable to accredit your enrolment, admission or pre-admission to a doctoral programme, you must

provide a document of commitment to start the admission and enrolment process in the next scheduled call for applications.

- Declaration in accordance with the model provided for in the call that, at the date of submission of the application, no pre-doctoral training has been carried out with funding from other pre-doctoral training grants and that the applicant does not hold a doctoral degree from any Spanish or foreign university. The applicant must notify the investigating body of any change in the circumstances set out in the aforementioned declaration. The modification of the circumstances stated in the declaration will imply the applicant's non-compliance with the participation requirements.

The applicant must also include a declaration that he/she has not held a pre-doctoral contract for a period of more than twelve months prior to the submission of the application.

Exceptionally, persons who do not have a DNI/NIE may submit the application by any of the methods provided for in Law 39/2015, of 1 October, or may authorise in the established manner a third person to submit the application on their behalf.

The submission of the application entails consent to the processing of the applicants' personal data for the purposes of the resolution of the call, within the framework of Organic Law 3/2018, of 5 December, on Personal Data Protection and guarantee of digital rights, as well as consent to check or obtain from other bodies, administrations or providers, by electronic means, information on the circumstances of the applications that, in accordance with the call and the applicable regulations, are relevant for the instruction of the procedure.

The presentation in the competition implies the declaration that the documents and merits provided are true, and IFMIF-DONES España may, at any time before or after the assessment of the applications, require the provision of the original supporting documentation. The non-provision of the required documentation or the verification of the existence of falsehood in the documentation or merits provided will empower IFMIF-DONES España to initiate the legal actions it deems appropriate against the applicant and, where appropriate, the rescission of the contract in the event that the applicant has been awarded the contract.

Failure to present, together with the application, the documentation indicated in this section will result in the exclusion of the applicant, and this circumstance may be rectified within the period established in this call for applications.

# ANNEX

## Vacancies

Job title Thesis topic Code		
Research trainee on pre-doctoral contract <b>Innovative technologies for beam monitoring in the IFMIF-DONES target</b> IFMIF/13		
Group	Subgroup	Level
N/A	N/A	N/A
Clasification		
Department/Division	N/A	
Professional category	Trainee researcher by means of a pre-doctoral contract in accordance with articles 20 and 21 of Law 14/2011, of 1 June, on Science, Technology and Innovation.	
Requirements		
Qualifications Required	Graduate or Master's degree in Engineering or Science	
Languages	English	
Province	Granada	

### Job Description

Duties include the following:

- Design of residual gas interaction based beam diagnostics for target profile monitoring.
- Simulation, design, prototyping and validation of residual gas interaction based beam diagnostics for IFMIF-DONES target profile monitoring.
- Simulation, design, prototyping and validation of beam diagnostics based on interaction with the electromagnetic field of the beam for IFMIF-DONES target profile monitoring.

The exact definition of the functions will be assessed according to the candidate's profile.

### Duration of the contract

Estimated duration of 28 months with an initial end date of 31 December 2025 (possibility of extension subject to the extensions of the execution of the project authorised by the funding



entity). The contract will start on the date of incorporation of the contracted researcher to his/her position at IFMIF-DONES Spain (estimated date: September 2023).

Code

IFMIF/13

No. of vacancies

1

Annual remuneration distributed in 12 payments

19.800,00 euros gross per year.

The following items will be added to this amount: employer's social security contributions, as well as any possible salary increases to be made in accordance with the provisions of article 7 of RD 103/2019 of 1 March, which approves the statute for pre-doctoral research personnel in training.

Job title Thesis topic Code		
Research trainee on pre-doctoral contract <b>Analysis of innovative technologies related to the particle beam effect on the lithium target of the IFMIF-DONES Test Cell</b> IFMIF/14		
Group	Subgroup	Level
N/A	N/A	N/A
Clasification		
Department/Division	N/A	
Professional category	Trainee researcher by means of a pre-doctoral contract in accordance with articles 20 and 21 of Law 14/2011, of 1 June, on Science, Technology and Innovation.	
Requirements		
Qualifications Required	Graduate or Master's degree in Engineering	
Languages	English	
Province	Granada	

### Job Description

Duties include the following:

- Mechanical design of the radioprotection and confinement environment for beam diagnostics based on the lithium target area of the test cell.
- Simulation, design, prototyping and validation of diagnostics for the area of influence of particle beam effects on the IFMIF-DONES lithium target.

The exact definition of the functions will be assessed according to the candidate's profile.

### Duration of the contract

Estimated duration of 28 months with an initial end date of 31 December 2025 (possibility of extension subject to the extensions of the execution of the project authorised by the funding

entity). The contract will start on the date of incorporation of the contracted researcher to his/her position at IFMIF-DONES Spain (estimated date: September 2023).

Code

IFMIF/14

No. of vacancies

1

Annual remuneration distributed in 12 payments

19.800,00 euros gross per year.

The following items will be added to this amount: employer's social security contributions, as well as any possible salary increases to be made in accordance with the provisions of article 7 of RD 103/2019 of 1 March, which approves the statute for pre-doctoral research personnel in training.