



Resolution of June 2024, of the University of Zaragoza, by which a public tender is called by emergency procedure for the hiring of a Junior Collaborating Doctor (category N2) through a temporary employment contract, destined for the Faculty of Vet.

#### Financing data

**OTRI Project 2022/2058: “STOP-EEB: REVALUATION OF SLAUGHTERHOUSE BYPRODUCTS OF CATEGORY SANDACHS1, THROUGH HYDROLYSIS AND PYROLYSIS TO OBTAIN PRODUCTS OF HIGH AGRONOMIC VALUE” CPP2021-008687.**

Expected duration of contract funding by the project/group: until September 30, 2025.

The contract is part of the project CPP2021-008687, funded by MCIN/AEI/10.13039/501100011033 and by the European Union “NextGeneration EU” /PRTR”.

*Call for a position for hiring, through the urgency procedure of:*

### ***N2 – Junior Collaborating Doctor***

Once the hiring is authorized by this Rectorate, we proceed to the call for the position indicated in the annex. I hereby, in which its characteristics are specified.

This call is regulated by the **General Rules** of the recruitment calls that will govern the procedures established for the incorporation into the University of Zaragoza of researchers with temporary work contracts for the implementation of specific scientific and technical research projects, approved by Mr. Rector Magfco. of this University through **Resolution of May 16, 2019** (BOA no. 102 of May 29, 2019).

The requirements that interested parties must meet and the documentation that they must present appear in the Bases. General information mentioned in the previous paragraph for the corresponding category, **the bases and requirements can be consulted at:**

<https://gespi.unizar.es/normativa-convocatorias>

The applications submitted must include the procedure number of this call, Procedure Emergency No. **PUI/2024-152**. (You must select the corresponding call number from the application catalog offered in **REQUEST**, within the **TEACHING AND RESEARCH STAFF** profile).

The **deadline for submitting applications is five business days** counted from the day following the publication of this call on the official electronic bulletin board of the University of Zaragoza, [e-TOUZ], <https://sede.unizar.es> and will be presented, within the established period, through the **electronic headquarters** of the University of Zaragoza at <https://sede.unizar.es> through **REQUEST** at <https://sede.unizar.es/solicita>.

The Selection Commission will be composed of the members indicated in Annex II.

The Candidate proposed by the Commission for hiring must be able to present the documentation required in art. 11.5 of the General Terms, at the time of signing the contract.

What is made public for general knowledge, along with the corresponding annexes.

In Zaragoza, on the date of signing,

The Rector, PD (Resolution of January 21, 2021, BOA no. 20, of February 1), signed electronically and with verifiable authenticity according to article 27.3.c) of Law 39/2015, by the Vice-Rector for Scientific Policy



**Universidad**  
Zaragoza

1542

**Temporary hiring of personnel  
researcher in charge of projects**

**Procedure  
URGENCY**

**No.: PUI/2024-**



## ACCOMPANYING ANNEXES

**I.- Characteristics of the position and specific requirements of the applicants**

**II.- Body and Selection System**



**Annex I**

**Characteristics of the position and requirements of the applicants**

**Number of places: 1**

**Category: N2 – Junior Collaborating Doctor**

In addition to the **requirements** established in **article 2.1 of the General Bases**, approved by the Rector of the University by Resolution of May 16, 2019 (BOA no. 102 of May 29) which are included in Annex V, the following are established **Specific admission requirements**:

Doctor

**Characteristics of the square:**

**Profile:**

- At least 4 years of experience in a biohazard 3 (NCB3) containment laboratory.
- Experience in handling zoonotic pathogens at P3 containment level.
- Accredited experience, preferably with scientific publications in indexed journals about: tissue manipulation, histopathological analysis of samples from animals infected by prions, prion diseases in animals.
- Training to perform procedures on laboratory animals. Have the c function recognized for carrying out procedures, for personnel who handle animals used, raised or supplied for experimental and other scientific purposes, including teaching.
- Experience in prion detection techniques by conventional and ultrasensitive methods.
- Experience in carrying out bioassays with prions in murine models.
- Experience in supervising students in the laboratory.

**Tasks to perform:**

Research linked to the development of analytical techniques to determine the presence of prions and to evaluate decontamination treatments of by products of the alimentary industry that have great economic value through:

- Inoculation of transgenic murine models with prions to obtain infectious material.  
Design, supervision and sampling of the bioassay.
- Preparation of infectious material for the evaluation of the detection of PrPSc using brain samples from scrapie-infected sheep from the autonomous community of Aragon and brain samples from transgenic murine models of prion diseases.
- Use of the ultrasensitive Protein Misfolding Cyclic Amplification (PMCA) technique for the detection of small amounts of prions in meat and bone meal samples and Specified Risk Materials (SRM).
- Use of PMCA to evaluate the effectiveness of acid or subcritical hydrolysis and enzymatic hydrolysis for the decontamination of the animal byproducts described.



- Preparation of inocula from animal by-products. Conducting bioassays (intracerebral and oral routes) in transgenic murine models to determine the effectiveness of treatments. Monitoring of the disease in these animals, sacrifice and sampling.
- Performing biochemical (Western blot and dot blot) and histopathological (histology and immunohistochemistry) techniques for the analysis of prions in samples of animal origin.
- Supervision in the laboratory of research personnel linked to the project. Control of good practices and compliance with biosafety standards for working with prions.
- Data analysis, writing technical reports, laboratory management, dissemination of results and publication of scientific articles.
- Possibility of teaching collaboration in the direction of master's or degree final projects, directly related to the tasks for which the call is made, in accordance with the regulations governing collaboration in teaching (Resolution of the Rector of 15 May 2023).

**Work center:** Faculty of Veterinary Medicine and Center for Encephalopathies and Transmissible Emerging Diseases of the University of Zaragoza.

**Location:** Zaragoza.

**Contract duration forecast:** until September 30, 2025, extendable depending on financing.

**Dedication:**

- Full time 37.5 hours/week
- Part time



**Annex II**

**Selection Body and System**

**Selection committee:**

**Regular members:**

**President:** Otero García, Alicia

**Secretary:** Moreno Burgos, Bernardino

**Vocal:** Bolea Bailo, Rosa María

**Substitute members:**

**President:** Acín Tresaco, Cristina

**Secretary:** Martín Burriel, Inmaculada

**Member:** Badiola Díez, Juan José

**Selection System:** Competition

Only the merits listed in the resume and documented by documents that are possessed and presented within the application submission period will be considered (art. 2.2 of the General Bases).

**Scale:**

**Section 1: Training: up to 20 points**

- PhD with experience in manipulation of prions and zoonotic agents at BSL3 containment level in the last three years..... up to 10 points
- Master's degree related to Veterinary Sciences..... up to 5 points
- Animal experimentation certificate: having function c recognized for carrying out procedures, for personnel who handle animals used, bred or supplied for experimental and other scientific purposes, including teaching..... up to 5 points

**Section 2: Professional experience: up to 40 points**

- 4 years of experience working with prions in a biosafetly level 3 (BSL3) laboratory biological risk 3 (NCB3) (3 pts/year) ..... up to 12 points
- Publications in indexed journals related to prions or zoonotic agents (1.5 pts/publication Q1; 0.75 pts/public.Q2-3; 0.1 pts/public Q4)..... up to 5 points
- Communications of the candidate presented at International Congresses (0.5 points/presentation) ..... up to 5 points
- Approved competitive scholarships (granted by Institutions state or regional) (2 points/year)..... up to 8 points
- International research stays (1 point/month) .....up to 3 points



-Participation in R&D&i projects financed in public calls (1 pt/year)..... up to 7 points

**Section 3: Suitability to the position: up to 40 points**

Experience in the following points:

- Experience in handling pathogens at biosafety level 3 (BSL3)..... up to 10 points
- Experience in the Protein Misfolding Cyclic Amplification technique..... up to 5 points
- Experience in histopathological techniques for the detection of prions in animal tissues..... up to 5 points
- Experience in experimental infections in animals ..... up to 10 points
- Experience in biochemical techniques for the diagnosis of pathogens and protein analysis..... up to 5 points
- Experience in supervising students in the laboratory (direction of final degree projects: bachelor or Master´s or similar) (1 point/student) ..... up to 5 points

In accordance with point 2.3 of the Equality Plan of the University of Zaragoza, approved by Agreement of February 23, 2016 of the Governing Council of the University of Zaragoza, a maximum of 1.5 points will be added to the total grade obtained. 100 in the assessment of the merits obtained from those who have had a pregnancy leave or maternity or paternity leave in the three years prior to the call.

**Interview:** Possibility of interviewing applicants if so agreed by the commission.

**Objective Tests:** No.

**Minimum score required to pass the selection process: 60 points**