

eman ta zabal zazu



Universidad
del País Vasco

Euskal Herriko
Unibertsitatea

**PIFG25-25 – RESOLUTION OF JUNE 11, 2025, BY THE
VICE-RECTOR FOR RESEARCH PUBLISHING A CALL
FOR APPLICATIONS FOR A PREDOCTORAL
RESEARCH CONTRACT AT THE UNIVERSITY OF
THE BASQUE COUNTRY (UPV/EHU)**

2025



GENERAL TERMS

This call for applications to hire a predoctoral researcher is issued in accordance with the general terms and conditions of the current **General Call for Recruitment for Researcher Training** at the University of the Basque Country (UPV/EHU).

SPECIFIC CHARACTERISTICS OF THE CALL PURPOSE OF THE CALL

The aim of this call is to promote the training of university graduates in the **doctoral programs of the UPV/EHU**, and to support the completion of a **PhD thesis** through the formalization of a **predoctoral employment contract**, in the scientific field specified below. This is in accordance with Article 21 of Law 14/2011, of June 1, on Science, Technology and Innovation (LCTI).

The PhD program to be undertaken is: **Computer Engineering**

Thesis topic:

"Advanced Scientific Machine Learning and Uncertainty Quantification Methods with Applications to Materials Science"

ELIGIBLE QUALIFICATIONS

- Master's degree in Physics, Computer Science, Mathematics, Engineering, or related fields.
 - Interest in **machine learning / deep learning, uncertainty quantification**, and/or **probabilistic methods**.
 - Strong programming skills and knowledge of Python.
 - Experience with physical/numerical models is not required but will be valued. The ideal candidate is expected to work well in **interdisciplinary and international environments**, be self-motivated, demonstrate **research potential and creativity**, and show willingness to learn new skills beyond their original discipline.
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EVALUATION CRITERIA

- Basque language: 11 points
 - Other languages: 4 points
 - Academic record (grade average): 20 points
 - Experience relevant to the project: 50 points
 - IT skills (Python, deep learning tools, probabilistic modeling, etc.): 15 points
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FUNDING OF THE CONTRACT

The predoctoral contract is funded by the research group/project:

IKUR_IKA_25/05

HPCAO12: MUFFINMAT – *MULTi-Fidelity Bayesian PINNs for Next Generation of Advanced MATerials*

In accordance with the terms established in **Section 5.5 of the General Call for Researcher Training at UPV/EHU**, the contract will be full-time and initially for a **minimum of one year**, renewable for **up to three additional one-year terms**, subject to favorable annual evaluations by the doctoral program's academic committee or, where applicable, the Doctoral School, and provided the candidate remains enrolled in the program.

The amount corresponding to the **first year** of the contract will be reserved in the budget of the funding unit(s), ensuring payment of all associated costs.

For **subsequent years**, and in addition to the renewal procedures set out in Section 5.5 of the general call, the sponsoring research group must notify the Vice-Rectorate for Research of the **availability of sufficient funds** to cover the following year. If this funding is not provided or is unavailable, the contract will not be renewed.

APPLICATION DEADLINE

The deadline to submit applications is: **June 18, 2025**.

APPLICATION PROCESS

Applications must be submitted using the **official form**, addressed to the **Vice-Rector for Research**, and delivered to any of the **General Registries** of the Álava, Bizkaia, or Gipuzkoa campuses, or any of the offices listed in the **UPV/EHU Resolution of May 16, 2012** (published in the BOPV on June 18, 2012), or in accordance with **Article 16.4 of Law 39/2015**, of October 1, on the Common Administrative Procedure of Public Administrations.

The following documents must be submitted in paper format:

- Completed application form
- Personal academic transcript, indicating all grades and their dates. The certificate must confirm that the applicant has completed the full degree and is eligible to access doctoral (third cycle) studies.
 - For studies completed wholly or partially abroad, the academic transcript must include the **maximum and minimum grades** of the evaluation system, and the **minimum passing grade**.
 - If the transcript is in a **foreign language**, a **sworn translation** or **certified translation** by the Director of the relevant Master's or Doctoral program must be attached.
- Copy of ID card (DNI), NIE, or passport.
- **Grade equivalency certificate** for studies completed abroad, issued by **ANECA** (National Agency for Quality Assessment and Accreditation of Spain). The certificate must be obtained via the ANECA portal: <http://notasmedias.aneca.es>

SELECTION CRITERIA

A **minimum score of over 60 points**, as determined by the Selection Committee, will be required to be considered for the award.

For degrees obtained at institutions **outside the Spanish university system**, the grade average will be based on the value assigned by ANECA through its grade equivalency service. This certification must be included in the documentation specified in Section 6 of the call.

If this certification is **not provided**, the score awarded will be **10 points**.

SELECTION COMMITTEE

- **Chair:** José Ignacio Aizpurua
- **Secretary:** Roberto Santana Hermida
- **Member:** Borja Calvo Molinos

The Committee will evaluate the applications and may, if deemed necessary, **conduct interviews** with candidates to assess their CVs. A **ranked list** (from highest to lowest score) will be published **within ten working days** after the list of admitted applications is announced.

FINAL DECISION

Within a **maximum of ten working days** after receiving the committee's proposal, the **Vice-Rector for Research** will communicate the decision to the candidate via an individualized resolution, either approving or denying the application.

Juan Ignacio Umerez Urrezola
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Vicerrector de Investigación