CALL FPI94-CVC
PRE-DOCTORAL FELLOWSHIP

The **Computer Vision Center (CVC)** offers **ONE** pre-doctoral research fellowships

1. General Rules:

The object of this call is the selection of ONE candidate to work as pre-doctoral researcher in the CVC. This selection process is subject to Law 14/2011, of 1 June, of Science, Technology and Innovation, by the CVC Statutes where applicable and the rest of the applicable labor law.

This call is funded by the AEI and the ESF+ and the definitive award of predoctoral contracts for the training of doctors, following the indications of article 12 of the call "*Proyectos de Generación de Conocimiento 2024*.

2. Outline of the fellowship:

The CVC offers one pre-doctoral fellowship linked to the project "Leveraging VIsual Foundation Models for Enhancement and Editing (ViFEE)" with reference PID2024-157936NB-I00 funded by MICIU/AEI /10.13039/501100011033 and by FEDER, UE.

This call has been entrusted by the *Agencia Estatal de Investigación* (AEI) to the Computer Vision Center by the *Subprograma Estatal de Formación*, within the *Plan Estatal de Investigación Científica y Técnica y de Innovación 2021-2023*, and is carried out under Order CIN/1025/2022, of 27 October, published in the BOE of 29 October, approving the regulatory bases for the award of a public grant for the formalization of a predoctoral contract, corresponding to various programs and subprograms of the said Plan.

3. Candidates' Requirements and Description of the Job:

- Candidates should not have benefitted, prior to the submission of the application, of a pre-doctoral contract for more than 12 months.
- Candidates will have to comply with all the accession requirements to a PhD program at the Universitat Autònoma de Barcelona (UAB) when accepting the grant.

Job Description	
Job title	PhD fellow position linked to the project “Leveraging VIsual Foundation Models for Enhancement and Editing (ViFEE)” with reference PID2024-157936NB-I00
Dedication	Full time, 4-year grant (annual evaluation)
Supervisors	Javier Vázquez Corral and Maria Vanrell Martorell
Background	The selected candidate will work in the Computer Vision Centre (CVC), Barcelona, a research institute comprising more than 130 researchers and support staff, dedicated to computer vision research and knowledge transfer, with an excellent research production. With a strong international projection and links to the industry, the Computer Vision Centre offers an exciting environment for scientific career development. The Computer Vision Centre has a plan for expansion of its permanent research staff base and has received the “HR Excellence in Research” award as a provider and supporter of a stimulating and favourable working environment. The successful candidate will be joining the Color Group, a vibrant group of researchers at the CVC with more than two decades of experience in research. The Color Group conducts research in different aspects of computational color, aiming to deploy models that improve the way we capture, modify and display images.
Summary of the project	Modern artificial intelligence, based on training deep neural models has introduced a new methodology, that accelerates the development of novel architectures by leveraging models pre-trained on large, generic image and text datasets. These models, known as Visual Foundation Models (VFMs), encode a kind of universal "visual brains" capable of performing complex visual tasks. The emerging challenge is to harness the power of VFMs by adapting them to perform more specialized tasks with higher accuracy, meeting specific constraints relevant to the problem at hand. For instance, current AI-based generation of realistic images does not always guarantee physical coherent lighting. In this project, we address tasks such as creating enhanced image versions that mimic professional edits, accurately removing undesired effects like rain or haze, removing or recoloring objects in a scene, and coherently relighting entire scenes.
Description of the job	The candidate will develop a doctoral thesis on a topic related to the project, with the aim of leveraging state-of-the-art visual foundation models for color image restoration, enhancement and/or editing. It is expected that the candidate will also collaborate in tasks related to the development of the research project and will present and

	publish the research results in top international conferences and journals.
Specific requirements	The candidate should possess a MSc degree in computer vision, artificial intelligence, computer science, computer engineering or related subject. We will positively consider previous background in computer vision, deep learning and/or color image processing, as well as previous experience in research activities. Applicants are expected to be fluent in both oral and written communication in English. They should work well in a team while demonstrating initiative and autonomy.
Selection Committee	Javier Vázquez Corral Maria Vanrell Martorell

4. Duration of the fellowship:

The fellowship has a maximum duration of 4 years and it's carried out through a pre-doctoral contract. If the pre-doctoral fellow obtains his/her PhD title before the start of the 4th year of the fellowship, he/she will be authorized to be hired this last year as a post-doctoral researcher with a raise in the salary, higher than in the pre-doctoral phase.

At the end of each fellowship year, the fellow will have to submit a work report, stating the objectives and work plan of the following year, as well as a positive report from his/her thesis director. The renewal of the fellowship for the following year is subject to the positive review of the academic committee of the PhD program. The contract can be terminated if the evaluation is negative.

5. Payment and eligible expenses in accordance to the AEI:

The grant will finance the contract (gross remuneration and employers' fees), compensation costs at the end of the contract and an additional aid to cover the expenses of doing research stays and enrolment fees of the doctoral studies, in accordance with the provisions of the call. The final amounts of the grant will be confirmed in the final resolution of the call.

As stated in the "P*rovisional resolution proposal of the 2024 grant concession to the Generacion de Conocimiento projects and the actions for the training of Predoctoral researchers associated to the aforementioned projects*" and within the framework of the *Programa Estatal para la Investigación y el Desarrollo Experimental, del Plan Estatal de Investigación Científica, Técnica y de Innovación 2024-2027*, the amounts of the grant are expected to be as follows (the final real amounts will be confirmed in the final definite resolution):

	Year 1	Year 2	Year 3	Year 4	TOTAL (€)
Contract*	31.000	31.000	31.000	31.000	124.000
Compensation costs				3.200	3.200
Research stays and enrolment fees	7.000				7.000
TOTAL	38.000	31.000	31.000	34.200	134.200

*** Selected fellows will receive a gross annual salary of €24,348.77, as established in the official terms of the public call**. This amount includes the employee's income tax (IRPF) and social security contributions, but excludes the employer's contribution to social security.

In Spain, the net salary is obtained by deducting from the gross amount the corresponding income tax (IRPF) and employee social security contributions, both of which may vary annually depending on government regulations, income level, personal circumstances, and region. The resulting amount after these deductions constitutes the net salary received by the fellow.

To cover both the employee's gross salary and the employer's social security contributions, the host institution will receive an annual grant of €31,000, as specified in the official call.

The indicated gross salary may be updated annually in accordance with the provisions of the Collective agreement ("Estatuto del Personal Investigador Predoctoral en Formación", Royal Decree 103/2019), and the host institution will apply any such updates as established by that regulation.

6. Incorporation:

The start of the contract will depend on the final resolution of the AEI project, not coming into force until it is resolved and it is possible to allocate expenses to it. According to the call, the CVC will have 6 months to contract the candidate. Therefore, the expected start date of the fellowship will be between 1 December 2025 to 1 May 2026. It is mandatory that the contract starts on the first day of the month.

7. Incompatibilities:

This fellowship is not compatible with any other fellowship or grant that has the same objective and is financed with public or private funds; Spanish or European, as well as any wage or salary that involve a contractual or statutory relation.

It could be authorized payments coming from educational tasks (teaching) provided that they have a sporadic and not regular nature. The said payments cannot exceed the 30% of the total fellowship annual amount. The authorization is given by the Director of the CVC.

8. Submission of applications:

Candidates should apply by filling in the online application form. The deadline to submit applications is 30 November 2025.

Candidates should send a CV and academic record of his/her degree along with a cover letter. The grades obtained in the courses should be included in the academic record. When submitting documents issued by foreign education centers, these should be submitted in accordance to the PhD program requirements. **You can only upload one file that should include all required documents.**

Applications will be screened for eligibility as they arrive. If the application is incomplete or with mistakes that could be corrected, candidates will be contacted and informed that they will have to correct the said mistakes or missing documents within the next 5 working days. In the case the mistakes are not corrected within the given period, the submission will be considered ineligible and it will be excluded from being reviewed by the committee.

The list with the definitive candidates will be published on the CVC website and the selected candidate will be contacted by email.

9. Evaluation criteria:

Applications will be evaluated by the selection committee, which include the IPs of the project.

A maximum of 100 points will awarded to the following criteria:

Criterion	Points
1) Academic and/or scientific-technical trajectory of the candidate.	
1.a) Scientific-technical contributions: The academic record and other curricular merits of the candidate will be evaluated, as well as their suitability for the tasks to be carried out based on their training and professional experience.	0 to 45 points
1.b) Mobility and internationalization: The relevance and impact of the candidate's stays in national and international research centers and/or the industrial sector will be assessed, considering the prestige of the hosting entity and the activities carried out there.	0 to 5 points
2) Suitability of the candidate for the research activities to be carried out. The candidate's suitability for the project or research activities will be evaluated based on their previous training and experience. This will include the added value that the completion of the project will bring to their research career, as well as the contribution to the institution and research group.	0 to 50 points

Evaluation of applications:

Applications received until 30 November 2025 will be taken into consideration for evaluation. The resolution of the fellowship will be published on 19 December 2025 and it will name the selected candidate and, if available, a waiting list.

In the case that no candidate is selected on the said date, the process will continue open until the position is filled.

10. Resignation and admission of substitutes

If the resignation of the selected candidate is done before he/she signs the official contract, the substitute candidate can directly occupy the position. The substitute candidate could also be called if the selected candidate does not fulfill all the necessary requirements to be hired.

11. Transition from the pre-doctoral stage to the post-doctoral orientation period.

If the pre-doctoral researcher defends and passes his/her PhD thesis before the start of the last year of the fellowship, previous confirmation of the defense of the thesis as well as passing it, the post-doctoral contract would be made official. These contracts will be full-time and will last for one year with a salary as established in section 5.

12. Modifications

The modification of the initial conditions of the fellowship and the period of time for its execution should be authorized by the CVC, who can request any information deemed suitable.

13. Interruptions

The following situations will not be considered as part of the contract: temporary disability, pregnancy risk, maternity leave or leave for adoption or foster care, risk during lactation and paternity leave. In these cases, the candidate can request the recovery of this time at least 2 months prior to the end of the contract. In order to calculate the suspension period, the beneficiary entities should send to the CVC the certification or accreditation of the corresponding registration and cancellation. The recovery period will be performed at the end of the last year and for the period of time that has been justified by the beneficiary entity.

Any other interruption situation of the fellowship that is not contemplated in this section shall be communicated and approved by the thesis supervisor and will be evaluated by the CVC board of direction that will have to give its conformity and set forth the conditions together with the thesis director.

14. Breach of contract

The total or partial unfulfillment of the requirements and obligation established in this resolution and other applicable laws, as we as the conditions that, in its case, established in the corresponding resolution award, will in turn produce, previous creation of a breach of contract file, the loss of the right of the fellowship.

Bellaterra, 7 November 2025

Josep Lladós
Director

Firmado digitalmente por 46664310R JOSEP LLADOS (R: Q5856375J)
Fecha: 2025.11.07 15:49:25 +01'00'

Josep Lladós Canet
DIRECTOR COMPUTER VISION CENTER