

Position Description

1. General information

Position reference	EUT-PF3: Carbon Dioxide Capture and Use
Research topic	Renewable electricity-driven CO ₂ conversion technologies, with a view to accelerate the transition toward a carbon-neutral and sustainable future.
Supervisors	<ul style="list-style-type: none"> Aitor Gual (Eurecat) Carlos Alberto Prieto (Moeve)
Research areas	Chemical Systems; Electrochemical Applications; Materials Science; Renewable Energy; Electrochemical Processes
Employing entity	Fundacio Eurecat
Seconding entity	Moeve
Position funded by	<ul style="list-style-type: none"> COFUND, Marie Skłodowska-Curie Actions (MSCA), Horizon Europe, European Union Fundacio Eurecat (Eurecat) Moeve
Additional information	<ul style="list-style-type: none"> https://eurecat.org/en/field-of-knowledge/chemical-technology-2/
Foreseen start date	September 2025
Gross annual salary	35,605 EUR plus complements defined below

2. Expected candidate profile

Candidates with a background in any combination of these disciplines are well-suited to contribute to the successful implementation of the project goals:

- Chemical engineering: Experience in reactor design, process optimisation, and scaling up chemical systems, particularly for electrochemical applications.
- Materials science and engineering: Proficiency in the development and characterisation of catalysts and membranes tailored for renewable energy-driven CO₂ conversion technologies.
- Renewable energy engineering: Knowledge of integrating CO₂ utilisation systems with renewable energy sources, such as photovoltaics, to enhance energy efficiency and sustainability.
- Electrochemistry: Specialisation in electrochemical processes, including catalyst performance optimisation and reaction mechanism analysis, to achieve high efficiency and durability.

3. Employment conditions

Eurecat offers a 36-month (3-year) postdoctoral full employment contract to work at its facilities in Tarragona, Spain as part of the AuSpire researcher training program, co-



funded by the European Commission under the MSCA COFUND scheme. The total working hours per week are 40 and there is a probation period of 2 months.

The remuneration, in line with the European Commission rules for Marie Skłodowska-Curie grant holders, will consist of a gross annual salary of 35,605 EUR. The definite amount to be received by the Postdoctoral Fellow is subject to Spanish tax legislation.

The position will be jointly supervised by Eurecat (Employing Entity) and Moeve (Seconding Entity) where the Postdoctoral Fellow must undertake a secondment at the premises of the latter in Alcalá de Henares, Spain for up to 12 months.

Additionally, the program includes annual in-person workshops at various locations across Spain, along with online training and networking activities.

Benefits include:

- 4,000 EUR relocation for employment stipend to cover costs associated with taking up employment (flights, visa, insurance, etc.), to be distributed monthly as a top-up to the gross salary.¹
- 9,000 EUR relocation for secondment stipend to cover compulsory project-related travel and accommodation costs (flights, visa, insurance, accommodation, etc.).¹
- 3,000 EUR travel stipend to cover flights and accommodation for participating in compulsory AuSpire training and networking events in Spain over the 3 years.¹
- 314 EUR monthly family allowance offered to candidates who meet the criteria.^{1 2}
- Access to all the necessary facilities and laboratories at Eurecat and Moeve including pilot and demonstration plants.
- Access to research and training facilities at the Scientific & Technical Resources Service of the University Rovira i Virgili located in Tarragona.
- 27 days of paid holiday leave.
- Spanish Social Security coverage.
- Sick leave.
- Parental leave.
- Becoming a Marie Skłodowska-Curie fellow and be invited to join the [Marie Curie Alumni Association](#).
- Hybrid work (home office/work in the office).
- Flexible schedule.
- Shorter workday on Fridays and summer schedule.

¹ The definitive amount to be received by the Postdoctoral Fellow might be subject to Spanish tax legislation.

² According to MSCA-COFUND requirements, Fellows with family obligations are entitled to a family allowance (i.e. persons linked to Postdoctoral Fellow by (i) marriage, or (ii) a relationship with equivalent status to a marriage recognised by the legislation of the country or region where this relationship was formalised; or (iii) dependent children who are actually being maintained by the Postdoctoral Fellow).

- Flexible remuneration package (health insurance, transport, lunch, studies/training and kindergarten).
- Eurecat workers can join Eurecat Academy courses.
- Eurecat workers can attend weekly thematic sessions to be aware of Eurecat areas of knowledge.
- Language courses (Catalan and Spanish).