

PhD position open at BarcelonaTech

Marie Skłodowska-Curie Actions - Innovative Training Network

BIKE Project

An EU-funded Marie Skłodowska-Curie Early-Stage Researcher (ESR) position is available in the area of the preparation and characterization of bimetallic catalysts at the Technical University of Catalonia - BarcelonaTech (UPC), Barcelona, Spain.

This is a full-time position (37.5 hours per week), fixed-term for 36 months, with a start date of 1st October 2019.

PROJECT DESCRIPTION

The successful applicant will work on the development of bimetallic catalyst for green and blue hydrogen production within the framework of the European Union-funded project “BIKE: Bimetallic catalysts Knowledge-based development for Energy applications”.

The BIKE network comprises 10 member institutions and partner organisations, spanning both academia and industry, located in Bulgaria, Denmark, Germany, Italy, Norway, Spain, and the United Kingdom. The network will provide outstanding inter-disciplinary training opportunities through hands-on research projects, international lab exchanges, industrial secondments, and specialist workshops and conferences. ESRs are generously funded with many opportunities for travel and networking.

This full-time, fixed-term ESR position will be based at UPC (Barcelona) under the supervision of Prof. Jordi Llorca and co-supervision of Dr. Nuria J. Divins and will involve research and study in the areas of preparation of bimetallic catalysts, characterization by electron microscopy and spectroscopic techniques, and evaluation of catalytic performance in lab-scale reactors.

APPLICANT PROFILE

Applicants must meet the following criteria:

- Master's degree (MSc) in Chemistry, Chemical Engineering, Materials Science or a related field.
- Have less than 4 years research experience (measured from the time their Master's or equivalent degree was awarded).
- Not have a doctorate/PhD.
- Not have resided in Spain for more than 12 months in the last 3 years and not have carried out their main activity (work, studies, *etc.*) in Spain.
- Excellent written and verbal communication skills in English.

APPLICATION PROCEDURE

Applications should be sent by email to: jordi.llorca@upc.edu

Deadline for receipt of complete applications: 5th July 2019

The subject of the application email must contain the following information: "**Application for the ESR6 position MSCA-ITN BIKE Project**"

The application email must be accompanied by the following documents:

- i) A standard application letter of no more than 2 pages (written in English) signed by the applicant indicating their full name, date and place of birth, citizenship, postal address, and email address. The letter should clearly indicate the applicant's motivation for applying for this ESR position and describe their relevant experience.
- ii) Contact information (including email addresses) of TWO academic referees.
- iii) A detailed CV (of no more than 3 pages) in English illustrating the candidate's educational background, a list of publications, poster and oral presentations (if any); academic prizes or scholarships, etc. and scientific experience and skills. The document must be signed by the applicant. A template CV, which can be found at <https://europass.cedefop.europa.eu/documents/curriculum-vitae/templates-instructions/templates/doc> must be used.
- iv) A copy of Master's thesis in pdf format including a 1 page summary written in English.
- v) Scanned copies of academic transcripts and degree certificates for the higher education qualifications held.

SALARY

The funding for this Marie Skłodowska-Curie Early Stage Researcher position provides for a remuneration starting from 37.434,96 euros per year. Actual salary will depend on employer deductions and personal circumstances. Allowance eligibility (mobility and family allowance) depends on the personal circumstances of the ESR.

For informal enquiries please contact Prof. Jordi Llorca Email: jordi.llorca@upc.edu