

Postdoctoral Position (ERC-CoG “BECAME”)



We are seeking a **Postdoctoral candidate** with strong interest in **Organometallic Chemistry and Catalysis**. This is an excellent opportunity to join the project **ERC-CoG BECAME**, a cutting-edge project aimed towards the development of a new technology for energy efficient and sustainable conversion of light alkanes, which carried out in the [Fañanás-Mastral group](#) at CiQUS.

Description:

The overall aim of BECAME is the development of a new paradigm in catalysis which can provide new synergistic catalytic processes that allow methane and other light hydrocarbons to be directly converted into high-value products through synergistic bimetallic catalysis. Key efforts are directed towards the mechanistic understanding and optimization of each catalytic step to perform advantageous catalytic C-C bond forming reactions through alkane functionalization processes.

BECAME



The applicant will work on the development of new photocatalytic processes for direct stereoselective alkane functionalization.

Requirements:

We seek outstanding individuals awarded with a PhD in Chemistry with initiative, creativity and team-working ability to work in a dynamic environment to demonstrate opportunities in the field of photocatalytic alkane functionalization.

The following aspects will be positively considered:

- Experience in **Organic Synthesis and Organometallic Chemistry**.
- **Experience in photocatalysis**.
- Training with high-pressure equipment and/or handling of gases.
- Good communication skills and proficiency in written and spoken English.

Research Center:

The research will be carried out at CiQUS (www.usc.es/ciqus/en), a research center which belongs to the University of Santiago de Compostela (Spain).

Starting Date and Term:

The expected starting date is **May 2025**, for a term of 1 year, with the possibility of extension.

Applications:

Application details will be published shortly at CiQUS website (<https://www.usc.es/ciqus/en/job-offers>). Please check call No. CiQUS 05/2025, when published.

Foreign applicants outside the European Union must get the visa within a maximum of 2 months due to the imminent character of the position.