

Postdoctoral Position in Earth-abundant Metal Photocatalysis and Organic Synthesis

The group of [Dr. Francisco Juliá-Hernández](#) is seeking candidates for a fully funded postdoctoral researcher position to work on the development of unprecedented organic synthetic methodologies using Earth-abundant metal photocatalysts.

OUR GROUP

Our research group is located at the University of Murcia (UMU) in the southeast of Spain, close to the Mediterranean coast. We are currently based at the Faculty of Chemistry but we are expecting to move to brand new laboratories in the Pleiades-Vitalys UMU Excellence Research building in the coming weeks. These new labs will be equipped with all the facilities to carry out research on synthetic organic chemistry including several fume cupboards, a glovebox, GCMS and GC-FID, among others.

OUR MOTIVATION

Our group's main motivation is driven by the discovery of more sustainable synthetic transformations. We are interested in doing catalysis with Earth-abundant metals with the use of visible light as a renewable energy to trigger the derivatization of complex molecules and the valorization of chemical feedstocks using innate functional groups. We aim to uncover the real potential of Earth-abundant metal photocatalysis beyond traditional photoredox strategies.

REPRESENTATIVE WORKS

- [Direct decarboxylation of trifluoroacetates enabled by iron photocatalysis.](#)
Angew. Chem. Int. Ed. **2023**, e202311984.

REQUIREMENTS

We seek motivated candidates with creativity, team-working skills, and with a PhD in Organic Synthesis. Experience in photocatalysis, radical chemistry, organometallic chemistry and/or homogeneous catalysis will be highly considered. A good level of English (writing and speaking) is required. We will only consider applicants within the EU due to the urgency of fulfilling this position.

POSITION

Starting date from March-April 2024, although this can be flexible. Duration of the contract is 1 year (renewable). Gross salary will be in the range 29k – 32k €/year.

APPLICATIONS

Applications should be sent to Dr. Francisco Juliá-Hernández (francisco.julia@um.es) as a **single PDF** indicating "Postdoctoral position 2024" as the subject. Applications must contain: 1) A **one-page cover letter** motivating the interest in the position; 2) a brief **CV** (3 pages max.) and 3) the name and contact details of at least 2 **academic referees**.

Deadline: January 31st 2024 or until a convenient candidate is found. Applications will be considered upon arrival.

