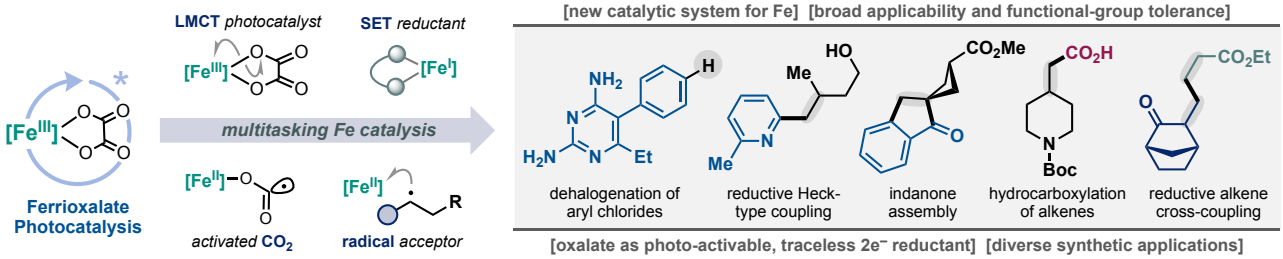
Postdoctoral Researcher position in **Iron Photocatalysis for Organic Synthesis**

Fabio Juliá´s group (www.fjulialab.com) is looking for highly motivated and enthusiastic candidates for a position as Postdoctoral Researcher on the ***Development of New Cross-coupling Methods for Organic Synthesis based on Iron Photocatalysis***.

■**Our group:** We are a young, dynamic and highly-international team with a strong expertise in photocatalysis, reaction development, radical chemistry and excited-state reactivity. We are based at the **University of Murcia (UMU)** where we have brand new labs, fully equipped with GC-MS, HPLC, glovebox, spectrophotometers, etc., at the Pleiades-Vitalis Multidisciplinary Research building. UMU is located in the city of Murcia (southeast of Spain) and counts with a pleasant sunny Mediterranean weather (30 min-drive from the beach) and a vibrant atmosphere (population >400.000).

■**Our research:** Our research program focuses on the discovery of innovative reactivity modes in inexpensive 3d metal catalysts to develop new tools for organic synthesis. The position is funded by the **ERC Starting Grant** within the project *ExCEL* (1.5M €), which aims to harness unprecedented reactivity modes upon light excitation of Fe catalysts to tackle longstanding synthetic challenges of academic and industrial interest. This program aims to discover new reactivities that go beyond photoredox catalysis and transition metal cross-coupling systems. In this context, we have recently unveiled the development of **ferrioxalate photocatalysis**, a new concept in catalysis which is enabling exciting multiple directions to develop new synthetic methods:



Representative references:

"*Ferrioxalate Catalysis: A Multitasking Platform for Reductive Iron Catalysis*"
Science **2026**, *391*, 84-89; DOI: 10.1126/science.aeb1702

"*Intermolecular Reductive Coupling of Ketones and Alkenes under Ferrioxalate Photocatalysis*"
J. Am. Chem. Soc. **2026**, *148*, 30553−30561; DOI: 10.1021/jacs.6c10799

■**Requirements:** We seek highly motivated and ambitious candidates who are in possession of, or are close to completing a PhD in Chemistry. Strong background in organic synthesis, photocatalysis, radical chemistry, organometallic and/or homogeneous catalysis is required. Soft skills such as problem-solving abilities, independence and creativity are welcome. In general terms, individuals with high ambition and interest in discovering new reactions and/or photochemical reactivity for organic synthesis are encouraged to apply.

■**Position description:** The appointed researcher will have a contract for 1+1 years (renewable) with a competitive salary according to the experience of the candidate. The researcher will conduct research supervised directly by Prof. Fabio Juliá, who will closely assist the candidate on their career development. The researcher should be motivated to work in teams and mentor PhD and MSc students. They will develop experimental work focused on the design and development of new catalytic methodologies to be applied in organic synthesis, exploring the scope and mechanism of the discovered transformations.

■**Application:** The position is open until **January 15th 2027** or until a selected candidate is found.

Tentative **starting date is May-June 2027 (flexible)**.

Interested applicants should submit their **CV** (containing at least 2 contacts for references) **and a motivation letter** directly to fabio.julia@um.es with subject line: "*Postdoc position 2027*".

Note: *Only selected candidates for interview will be contacted and informed about the outcome of the selection process.*