

The Institute of Chemical Research of Catalonia (ICIQ) is seeking highly talented Postdoctoral Researchers in the framework of the MSCA-COFUND [I2: ICIQ Impulsion programme](#).

I2: ICIQ Impulsion is a postdoctoral innovative research programme designed for experienced researchers looking for further opportunities and career development in research. **The fourth call for applications will be open from 7 July to 5 September 2021. The Call offers 5 postdoctoral positions** addressed to experienced researchers with at least one year of postdoctoral experience that have not lived in Spain for more than 12 months in the last 3 years.

Research projects available:

- **Ref ICIQ-CAT-2110**

Name of the hosting group(s) & Group Leader(s): **Prof. Arjan W. Kleij - Prof. Julio Lloret-Fillol**

Title: **Repurposing plastic waste by catalytic upgrading to new monomers and small molecules**

- **Ref ICIQ-CAT-2111**

Name of the hosting group(s) & Group Leader(s): **Prof. Marcos García-Suero – Prof. Pablo Ballester**

Title: **Next-generation chemical synthesis by means of supramolecular catalysis**

- **Ref ICIQ-CAT-2112**

Name of the hosting group & Group Leader: **Prof. Feliu Maseras**

Title: **Computational sustainable catalysis**

- **Ref ICIQ-CAT-2113**

Name of the hosting group & Group Leader: **Dr. Mónica H. Pérez-Temprano**

Title: **Novel approaches for C–H functionalization by 3d transition-metal catalysts**

- **Ref ICIQ-CAT-2114**

Name of the hosting group & Group Leader: **Prof. José Ramón Galan-Mascaros**

Title: **Low-temperature electrocatalytic ammonia production from dinitrogen and water**

- **Ref ICIQ-CAT-2115**

Name of the hosting group & Group Leader: **Prof. Arjan W. Kleij**

Title: **Advancing Dual Co/Photocatalysis in Stereocontrolled Synthesis**

- **Ref ICIQ-CAT-2116**

Name of the hosting group & Group Leader: **Prof. Pablo Ballester**

Title: **Supramolecular approaches to control reactivity and selectivity in chemical reactions**

- **Ref ICIQ-CAT-2117**

Name of the hosting group & Group Leader: **Prof. Ruben Martin**

Title: **New strategies to molecule assembly via functionalization of chemical feedstocks**

- **Ref ICIQ-EN-2110**

Name of the hosting group & Group Leader: **Dr. Elisabet Romero**

Title: **Design of Bio-Inspired Systems for Solar Energy Conversion to Fuel**

- **Ref ICIQ-EN-2111**

Name of the hosting group & Group Leader: **Dr. Elisabet Romero**

Title: **The Role of Coherence in Enhancing the Efficiency of Photosynthesis**

- **Ref ICIQ-EN-2112**

Name of the hosting group & Group Leader: **Prof. Antoni Llobet**

Title: **Light driven molecular redox catalysis with anchored catalysts**

- **Ref ICIQ-EN-2113**

Name of the hosting group & Group Leader: **Prof. Núria López**

Title: **Machine Learning applied to oxides in advanced renewable energy processes**

- Ref ICIQ-EN-2114

Name of the hosting group & Group Leader: **Prof. Julio Lloret-Fillol**

Title: **New rational designed catalysts for CO₂ reduction**

Candidates must fill out and submit the online application accessible at <http://iciq-impulsion.eu/applications/> and <https://www.iciq.org/jobs-grants/position/postdoctoral-researchers-within-the-i2-iciq-impulsion-programme-4th-call/>

I2: ICIQ Impulsion will offer very competitive working conditions:

- Full-time employment contract of 24 months.
- Living allowance: gross salary of 35,250 €/year.
- Attractive research environment, high degree of flexi-time, unlimited access to state-of-the-art facilities and equipment.
- Personalised career development plan.
- A tailored training programme and Networking opportunities in an international environment.
- Access to secondment(s) in international institutions.

Contact email: info@iciq-impulsion.eu



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No.801474 and from the State Research Agency/Spanish Ministry of Science and Innovation (AEI/MICINN) through the "Severo Ochoa" Centres of Excellence Program 2019 (CEX2019-000925-S, 2020-2023).