



International PostDoctoral Mobility Programme



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- **Call Title:** ICIQ International Postdoctoral Mobility Programme
- **Call identifier:** ICIQ-IPMP-2015-1
- **Date of publication:** 10 February 2015
- **Deadline:** April 9th, 2015 at 23:59 (local time)
- **Research Area Openings:**

The call offers 10 post-doctoral positions in the following areas.

- **1: New catalytic systems for continuous flow conversion of CO₂**

Mentors/Supervisors:

Prof. Miquel Pericàs – Prof. Arjan Kleij

- **2: Low cost approaches to photoredox catalysis: photophysical and synthetic studies.**

Mentors/Supervisors:

Prof. Miquel Pericàs – Prof. Emilio Palomares

- **3: Synthesis of organic small molecules for efficient and stable tandem solar cells with high voltage output to drive water splitting devices using sun light.**

Mentors/Supervisors:

Prof. Anton Vidal – Prof. Pau Ballester – Prof. Emilio Palomares

- **4: Preparation and photoelectrochemical characterization of water splitting photoanodes and photocathodes based on molecular catalysts.**

Mentors/Supervisors:

Prof. Antoni Llobet – Prof. Emilio Palomares

- **5: Theoretical and spectroscopic elucidation of the activation mechanisms of carbon oxides towards chemical fuel production.**

Mentors/Supervisors:

Prof. Núria López – Prof. Atsushi Urakawa



● **6: Conducting and electroactive organic-inorganic polymers, thin films and monolayers for energy applications.**

Mentors/Supervisors:

José-Ramón Galán-Mascarós – Prof.
Pau Ballester

● **7: Supramolecularly regulated asymmetric catalysts to build large (poly)cyclic compounds.**

Mentor/Supervisor:

Prof. Anton Vidal

● **8: Enantioselective catalytic radical conjugate additions.**

Mentor/Supervisor:

Prof. Paolo Melchiorre

● **9: New catalytic concepts for chemical synthesis.**

Mentor/Supervisor:

Prof. Marcos Garcia Suero

● **10: Enantioselective Tandem Processes Based on Immobilized Catalytic Species.**

Mentor/Supervisor:

Prof. Miquel Pericàs

● **Post-doctoral position conditions:**

- Two years post-doctoral positions.
- Employment contract with a gross salary of 29.000 € per year, including full social security coverage, which includes health and accident insurance, and pension and unemployment benefits.
- Travel allowance of 1.100 €/year.
- Start of fellowship from May 15th 2015 and, preferably, before August 31st 2015.
- Training program oriented to provide non-scientific skills for career development.



● Eligibility criteria:

- The programme is open to researchers from any nationality that fulfills the following eligibility criteria:

I. Completeness of application:

- The complete application, including all required documentation, should arrive at ICIQ, in English, before the deadline for submission of applications.

II. Academic background

- Candidates must hold a PhD at the date of starting the fellowship.
- Candidates who have performed the PhD thesis at the Institute of Chemical Research of Catalonia will not be eligible.
- The PhD cannot be awarded more than four years before the deadline for submission of applications. Exceptions will be made for:
 - Career break due to childbirth: Women can claim one additional year per children up to a maximum of three years.
 - Other documented career breaks: paternity leave, illness.

III. Mobility:

- Candidates must not have resided or carried out their main activity (work, studies, etc.) in Spain for more than 12 months in the 2 years immediately prior to the deadline for submission of applications.
- Further information related to the eligibility criteria could be found in the Guide for Applicants.



● Evaluation and selection procedure:

- The evaluation and selection process will be based on scientific achievements and excellence of the researchers, and will be divided in four stages:
 - Stage I: Eligibility
 - Stage II: Previous scientific achievements.
 - Stage III: Research project.
 - Stage IV: Candidates' selection and start of fellowship.
- The evaluation criteria (including weights and thresholds) for each stage are set out in the Guide for Applicants.
- The evaluation will be conducted by an international evaluation panel composed of renowned scientists bringing together diverse expertise, competences and disciplines to adequately assess the candidates and the research areas of the projects.
- Three of the members of the evaluation panel, all external to ICIQ, will constitute the Selection Committee, which will be responsible for all stages of the selection process.

