

MASTER PROJECTS FELLOWSHIP PROGRAM: GRANTS ASSOCIATED TO ICIQ MASTER RESEARCH PROJECTS

The Institute of Chemical Research of Catalonia (ICIQ) establishes the Master Projects Fellowship Program with the aim to support university graduates from all over the world to enrol in the URV / ICIQ Master in Synthesis, Catalysis and Molecular Design or other Master programs and to follow a research project in the area of chemistry that ultimately leads to the completion of a Master Degree.

The Master program will be developed in English and the students will take advantages of ICIQ's cutting edge facilities.

These grants are addressed to highly qualified and talented graduate students with an enthusiastic interest in chemistry research. The students will have the opportunity to join one of the research groups at the ICIQ and will follow an individual master research project under the direction of an internationally renowned group leader in a creative and stimulating scientific environment.

Selected graduate students will be awarded a scholarship for full-time studies in order to achieve the Master degree.

I. Available Projects: See Annex 1.

II. Eligibility criteria

Hold a University Degree in Chemistry, Pharmacy, Physics, Biology, Biochemistry or Chemical Engineering.

III. Application process

All the application procedure will be done online. The call opening is on May 8th. Applicants must fill out and submit the online application form available at the Jobs & Grants section on ICIQ's website (<http://www.iciq.org/jobs-grants/>).

After completing the personal data fields, applicants must attach in a PDF file the following documents:

- a. Scanned copy of the Academic record of the studies which provide access to the Master Program. The academic record must include the range of marks used in the corresponding country and the minimum mark to pass.
- b. Curriculum Vitae, specifying the completed degree and any relevant professional experience.

Please note that documents sent in hard copy cannot be processed. For academic records not issued in Catalan, Spanish or English, a certified translation in one of the above mentioned languages should be provided.

Once the application has been successfully completed, an acknowledgement e-mail will be automatically sent. Candidates must ensure that all information is included before the deadline. Incomplete proposals will not be considered.

Pursuant to Personal Data Protection Organic Law 15/1999, 13th December, we inform you that we will proceed to include your data in the Curriculum Vitae file duly registered in the General Register of the Data Protection in the Spanish Data Protection Agency. The data provided will be used only for recruitment processes made by the ICIQ.

You can exercise your rights to access, cancel, rectify and oppose this information by writing to AV PAISOS CATALANS 16 TARRAGONA 43007-TARRAGONA or through this mail address: LOPD@iciq.es.

IV. Evaluation and Selection Process

1. The evaluation and selection of the candidates will be performed by the Master project supervisor.
2. The Master project supervisor will evaluate the documents received from all candidates and, when necessary, will call them for personal interviews.
3. The selection will be based on academic marks, the CV and personal interview (if performed).
4. Once a candidate is selected the name of the awardees will be published on the ICIQ's website. This call will end when all available fellowships are granted or on the call deadline on September 18th, 2017.
5. On acceptance of the grants, awardees should hand in a copy of the enrolment document to a Master Program. The applicant must include a copy of the voluntary insurance contracted when applying to the master program.

According to the organic law 3/2007 of 22nd March for the effective equality between women and men, ICIQ declares it will ensure equality, value diversity, respect human rights and identify and remove potential barriers to equality. Our commitment to equality covers all the protected characteristics outlined in the Equality Plan: age, disability, gender reassignment, pregnancy and maternity, race, religion or belief, gender and sexual orientation.

V. Scholarships Conditions

1. Awardees will receive a scholarship of 750 €/month to help for their living expenses during the academic course.
2. Awardees pursuing doctoral studies at ICIQ, after the completion of the master degree, will receive an additional scholarship of 750 €/month to help for their living expenses between the end of the master studies and the beginning of the doctoral studies.
3. The Master program enrolment costs will not be covered by ICIQ.
4. The beneficiary will sign a scholarship credential with ICIQ.

VI. Incompatibilities

The Scholarship is incompatible with any other grant with the same purpose.

Indicative Calendar

Call opening	May 8 th , 2017
Deadline	September, 18 th 2017
Start of fellowships	September-October 2017



Prof. Miquel A. Pericàs

ICIQ Director



Dr. Lluís Solà

ICIQ Administrative Director

Annex 1: Available Projects

- Reference: Master **01/17**. Computational studies on the reactivity of transition metal compounds.
Supervisor: **Prof. Carles Bo**
- Reference: Master **02/17**. Gold-catalysis for the synthesis of bioactive natural products.
Supervisor: **Antonio M. Echavarren**
- Reference: Master **03/17**. Catalytic cascade approaches towards carbon dioxide valorization.
Supervisor: **Prof. Arjan Kleij**
- Reference: Master **04/17**. Molecular approaches towards artificial photosynthesis.
Supervisor: **Prof. Antoni Llobet**
- Reference: Master **05/17**. New earth-abundant catalysts for hydrogenation of challenging organic functionalities and CO₂.
Supervisor: **Prof. Julio Lloret**
- Reference: Master **06/17**. Visualizing catalytic cycles by crystal-to-crystal transformations.
Supervisor: **Prof. Julio Lloret**
- Reference: Master **07/17**. Catalytic remote functionalization of hydrocarbon side-chains by using chemical feedstock.
Supervisor: **Prof. Rubén Martín**
- Reference: Master **08/17**. Computational study of the mechanism of catalytic transformations involving single electron transfer step.
Supervisor: **Prof. Feliu Maseras**

- Reference: Master **09/17**. Modern catalysis for synthesis of nitrogen-rich alkaloids.
Supervisor: **Prof. Kilian Muñiz**
- Reference: Master **10/17**. Development of novel applications in cobalt catalysis.
Supervisor: **Prof. Mónica H. Pérez Temprano**
- Reference: Master **11/17**. Construction of supramolecular catalysts via unexplored non-covalent interactions.
Supervisor: **Prof. Anton Vidal**
- Reference: Master **12/17**. Catalytic Asymmetric Flow Processes for the Synthesis of Complex Molecules.
Supervisor: **Prof. Miquel A. Pericàs**



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