

ICIQ PhD FELLOWSHIP PROGRAMME 2020 - SECOND CALL

The Institute of Chemical Research of Catalonia (ICIQ) establishes the PhD Fellowship Programme with the aim to support excellent students from all over the world to enrol in a training and research programme in the area of chemistry ultimately leading to the completion of a Doctoral Thesis in partnership with the Universitat Rovira i Virgili (URV). The programme will also contribute to their professional development and next career steps, both in academia and industry.

This objective is achieved by:

- The performance of an individual research project under the direction of an internationally renowned group leader in a creative and stimulating scientific environment.
- Opportunities for short stays in renowned international research institutions.
- Opportunities for complementary training in technical and soft skills designed to ensure a successful career: weekly scientific seminars, hands-on training in the use of state-of-the-art scientific instrumentation, IP management, entrepreneurship, research integrity, knowledge and technology transfer, grant's applications, project management, communication skills and career development.

The programme is addressed to highly qualified and talented graduate students with a keen interest in chemical research. Candidates should have an excellent academic record, strong commitment to scientific research and solid working knowledge of English.

Admission to the programme is on a competitive basis.

I. Available positions: See Annex 1

II. Application process

All the application procedure will be made online. Other means of application will not be considered. 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/>).

Only one application per person will be considered. In case of multiple applications, we will just consider the first application submitted.

After completing online the personal data fields, applicants must attach the following documents:

1) Required documentation

- a. A full **Curriculum Vitae** (in PDF format). It should include the academic background, work or research experience, publications, conferences, grants and awards, previous participation in ICIQ programmes, other relevant merits and references.
- b. A **personal statement** that describes the applicant's academic background, research experience and career goals (maximum two DIN A4 pages, in PDF format). This is a very important part. Please take the time to communicate what your interests are and how they would fit into carrying out your PhD at ICIQ. You should also mention the group that you would like to join to carry out your PhD and the reasons you are interested in the group leader and the research project.
- c. **Official transcripts** of your BSc and MSc studies in PDF format. A scanned copy of the certified academic record of the studies granting access to the PhD programme (BSc and MSc if available). In case that the MSc studies have not yet been completed at the time of the application, include details on the subjects in which you are currently enrolled (subject name and number of credits). For academic records not issued in Catalan, Spanish or English, a certified translation in English should be provided. For degrees obtained in foreign institutions, the academic record must include the range of marks used in the corresponding countries and the minimum mark to pass, as well as the hours or ECTS and marks for each subject.
- d. **Contact details for letters of recommendation** of two University professors or other relevant individuals who can assess your potential for research. We will directly contact the persons you list for letters of recommendation. We suggest informing them.
- e. **English proficiency level:** Applicants must provide evidence of their proficiency in written and oral communication in the English language. Preferably, by the submission of a B2 certificate, First Certificate, IELTS 6 or equivalent. Alternatively, late stage candidates will be interviewed to assess their English level. Applicants from Anglosphere (UK, Ireland, USA, Canada, Australia and New Zealand) are exempted from this requirement

2) Desirable documentation

- a. **Chemistry level:** The score of your Graduate Record Examination (GRE) – Chemistry Test is an added advantage for evaluation.

Please note that documents sent in hard copy cannot be processed.

Applicants should select one PhD supervisor.

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.

III. Eligibility and evaluation criteria

The programme is open to graduate students, from any nationality that fulfil the following **eligibility criteria:**

- a. Candidates must have a Master or an equivalent degree in the areas of Chemistry, Pharmacy, Physics, Chemical Engineering or related disciplines that must be completed by the time of enrolment in the PhD programme.

In case of doubts about the eligibility criteria, applicants should contact the ICIQ Human Resources Team at positions@icq.es prior to submission of the application.

Candidates who fulfil the eligibility criteria will be evaluated according to the following **evaluation criteria:**

- a. Curriculum vitae.
- b. Personal statement.
- c. Academic marks.
- d. English level.
- e. Personal interview for short-listed candidates.

IV. Evaluation and Selection Process

The evaluation and selection of the candidates will be performed by the Human Resources team, and the project supervisor following this procedure:

1. Submitted proposals will be checked for eligibility and those not fulfilling all the criteria will be rejected. There will not be the possibility to modify the application or to add missing documentation after the call deadline.
2. The selection will be based on the evaluation criteria described in Section III.
3. At the late stages of the selection process, short-listed candidates will be contacted for a personal interview.
4. All applicants will be notified of the final selection decision by the end of July 2020. The name of the awardees will be published on the ICIQ's website.

Successful candidates will be requested to inform ICIQ whether they accept or decline the offer within one week after being notified. The offer will be considered declined if the applicant does not respond during this time.

ICIQ follows in its selection process a gender equally opportunity policy and a non-discrimination policy on the basis of age, ethnic or social origin, religion or belief, sexual orientation, language and disability.

IV. Grants' conditions

1. The awardees of an ICIQ PhD fellowship will be considered research personnel in training and they will have an employment contract (a pre-doctoral contract) which is regulated in the Spanish Law 14/2011, of June 1st, of Science, Technology and Education.
2. Pre-doctoral contracts are renewed annually for up to 4 years. Renewal is subject to satisfactory performance in the PhD studies and related research activities.
3. The gross yearly salary of the contract shall be 17.785 €, split into 12 monthly payments.
4. The fellowship includes full social security coverage through the Spanish Social Security system, providing access to the Spanish public health care system and pension and unemployment benefits.
5. The fellowship holder is entitled to temporary interrupt the fellowship in the following situations: temporary disability, risk during pregnancy, maternity, paternity and adoption or foster care. The time elapsed during this interruption will not be accounted for against the total time.
6. The contract will take effect on the date when the awarded student joins the centre.

7. The PhD fellowship includes the costs of enrolment in the PhD programme. These costs will be paid by each beneficiary to the university, and later they will be refunded by ICIQ. The PhD thesis has to be completed within 4 years.
8. The PhD fellowship awardees will work full-time at ICIQ and may not receive any other fellowship or regular income.
9. The PhD fellowship is incompatible with any other fellowship with the same purpose.

Calendar

Call opening	June 1 st 2020
Call deadline	July 12 th 2020
Notification to candidates	From July 27 th to August 2 nd 2020
Start of fellowships	September-October 2020.

Tarragona, May 29th 2020

Prof. Miquel A. Pericàs
ICIQ Director

Annex 1: Available positions

Supervisor: Dr Marcos G. Suero

http://www.iciq.org/research/research_group/dr-marcos-g-suero

Project: Carbyne Transfer Catalysis in Organic Synthesis

Number of positions: 3

Reference: PhD 2020-11/12/13

Supervisor: Dr. Elisabet Romero

http://www.iciq.org/research/research_group/dr-elisabet-romero/

Project: Design, construction and investigation of Chromophore-Protein Assemblies able to perform Ultrafast Energy and Electron Transfer Processes

Number of positions: 1

Reference: PhD 2020-14

Supervisor: Dr. Elisabet Romero

http://www.iciq.org/research/research_group/dr-elisabet-romero/

Project: The Role of Coherence in Enhancing the Efficiency of Light Harvesting and Charge Separation in Photosynthesis

Number of positions: 1

Reference: PhD 2020-15

Supervisor: Prof. Emilio Palomares

http://www.iciq.org/research/research_group/prof-emilio-palomares

Project: Carbon nanostructures for CO₂ (photo)electrocatalysis.

Number of positions: 1

Reference: PhD 2020-16

Supervisor: Prof. Emilio Palomares

http://www.iciq.org/research/research_group/prof-emilio-palomares

Project: Nanomaterials with long-lived luminescence for bionano applications in medical research

Number of positions: 1

Reference: PhD 2020-17

Supervisor: Prof. Ruben Martin

http://www.iciq.org/research/research_group/prof-ruben-martin/

Project: Catalytic decarboxylative cross-coupling reactions

Number of positions: 1

Reference: PhD 2020-18

Supervisor: Prof. Núria López

http://www.iciq.org/research/research_group/prof-nuria-lopez

Project: Machine learning for materials in Catalysis and Energy

Number of positions: 3

Reference: PhD 2020-19/20/21

Supervisor: Prof. Antoni Llobet

http://www.iciq.org/research/research_group/prof-antoni-llobet/

Project: Light Driven Molecular Redox Catalysis

Number of positions: 2

Reference: PhD 2020-22/23

Supervisor: Prof Antonio M. Echavarren

http://www.iciq.org/research/research_group/prof-antonio-m-echavarren/

Project: Catalyst Design for the Selective Activation of Unsaturated Substrates

Number of positions: 7

Reference: PhD 2020-24/25/26/27/28/29/30

Supervisor: Prof. Pau Ballester

http://www.iciq.org/research/research_group/prof-pau-ballester

Project: Supramolecular approaches to catalysis and sensing

Number of positions: 1

Reference: PhD 2020-31