

ICIQ International PhD Fellowship Programme

We have Chemistry!



**Deadline for applications:
March 24, 2017**



31 PhD fellowships available

31 PhD positions at the Institute of Chemical research of Catalonia (ICIQ)

We are looking for highly qualified and talented graduate students with an enthusiastic interest in chemical research.

Motivated students will have the opportunity to join one of the research groups at the ICIQ and will follow an individual research project under the direction of an internationally renowned group leader in a creative and stimulating scientific environment.

The ICIQ established its International 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. The programme ultimately leads to the completion of a Doctoral Thesis in partnership with the Universitat Rovira i Virgili (URV).

Throughout their stage at ICIQ, students make the most of an excellent team of researchers and highly specialised technicians in ICIQ's cutting-edge core facilities. We also offer opportunities for short stays in renowned international research institutions, weekly seminars by leading scientists at the forefront of chemical research, as well as complementary training designed to ensure a successful career in a variety of areas, including hands-on training in the use of state-of-the-art scientific instrumentation, IP management, entrepreneurship, knowledge and technology transfer and communication skills.

Admission to the programme is on a competitive basis. All applications will be evaluated solely on the basis of academic and research excellence of the candidates. The selected graduate students will be awarded a contract for full-time studies in order to achieve the Doctoral degree.

The selected candidates are challenged to carry out a top-class research project in one of the ICIQ groups. In this 2017 Call, they have the opportunity to do research covering a broad range of topics within ICIQ research lines:

- **Innovative metal-catalyzed reactions for the activation of inert bonds and molecules: C-H functionalization, carbon dioxide activation.**
- **Photochemical catalysis for relevant chemical transformations.**
- **Organocatalysis to develop novel enantioselective reactions.**
- **Catalytic transformations of carbon dioxide to valuable fuels and chemicals**
- **Synthetic receptors and sensors for the detection of molecules related to human health.**
- **Supramolecular approaches for enantioselective catalysis.**
- **New metal-catalyzed reactions for the synthesis of biologically active compounds.**
- **Photochemical catalysis in new flow processes.**
- **Computational studies on homogeneous and heterogeneous catalysis.**
- **Development of smart materials for energy-related applications.**
- **Catalysts for artificial photosynthesis.**
- **Valorization of bio-sourced materials.**

Students interested in joining our graduate student programme are encouraged to apply for any of our fellowship opportunities. Applications must be submitted [through our web page](#).