



Postdoctoral position

The institute

The **Institute for Advanced Chemistry of Catalonia (IQAC)** is one of the research centers of the Spanish National Research Council (CSIC). The Institute is located in Barcelona and it was created in 2007 with the mission to perform research of excellence in Chemical Sciences with the broad goal of improving the quality of life. The general strategy to achieve this mission involves the application of chemical approaches to address and solve societal challenges, mainly those related to human health, the sustainability of chemical processes and products, and the needs for novel materials for different applications. Since its establishment, IQAC has been in a permanent attitude to transfer its knowledge and technology results to the industrial sector.

The research developed at IQAC is organized around two main nodes: **Biological Chemistry** and **Nanobiotechnology** and it is facilitated by a number of Key Enabling Technologies. Considering the objectives pursued, many of the investigations carried out by the Research Groups at IQAC lie at the intersection between nodes.

In addition, our Institute holds a set of scientific and technical facilities run by highly qualified scientists and technical personnel with a solid background and long lasting expertise. These facilities are available not only to IQAC research groups, but also to potential users from both academia and private institutions. In any case, the technical services from IQAC are always wide open to attend any inquiry and to offer their best efforts to find adequate responses to specific needs.

The group

The Chemical Biology group works at the interface of Chemistry and Biology to increase our understanding of physiological and pathological processes at the molecular level. Our goals include the design and synthesis of molecules to study and modulate biological processes, the development of novel strategies for protein synthesis and modification, and the study of protein-DNA/RNA interactions. Our group is also interested in how lipid modifications can influence protein function, and more specifically, oncogenic signalling.

<https://www.iqac.csic.es/research/departments/biological-chemistry/chemical-biology/>

The role

The successful postdoctoral researcher will be involved in a multi-disciplinary approach to cancer biology. The candidate will design and execute experiments involving cell culture and enriched proteins with the final aim to define if lipids covalently bound to proteins have a role in regulating Ras-driven cancers.

What do we look for?

- **Qualifications**

We are seeking a highly motivated, independent and dynamic postdoctoral research fellow, with outstanding training in molecular/cell biology and biochemistry.

- **Competences**

Experience in molecular techniques (western blot analysis, immunoprecipitation, qPCR, etc.) and cell culture (transfection, gene silencing) is required. The successful candidate will also assist in coordinating the project and should therefore have excellent communications and team-work skills and solid knowledge of English.

Working conditions

- **Contract duration: one year (extendible)**
- Salary will commensurate with qualifications and experience
- Target start date: Autumn 2020

How to apply?

Those interested may email their **CV**, **two references** and a **cover letter** stating their motivation and prior experience to Gemma Triola at gemma.triola@iqac.csic.es, adding Postdoc ChemBio to the email subject.

Deadline: 5th of September