

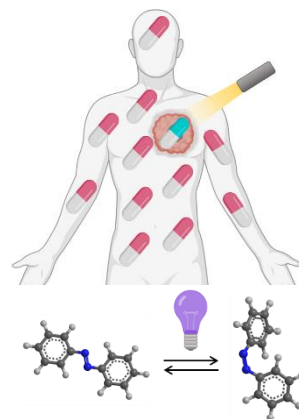
## Candidates for PhD fellowship in anticancer drug discovery

The Drug Discovery & Medicinal Chemistry Group, led by Dr Laia Josa-Culleré, is seeking highly motivated candidates to apply for the 3-year FI-STEP predoctoral fellowships from AGAUR. Are you passionate about making a difference in cancer treatment? Join us to work on a **translational project** at the intersection of chemistry and biology!

### The role

Our group is developing innovative strategies to eliminate cancer stem cells with high selectivity. For this project, you will **develop drugs that are activated under illumination** to eliminate these cells selectively. Your tasks will include:

- Design, synthesis, and characterisation (NMR, HPLC, MS) of light-responsive derivatives.
- Photochemical characterisation of the synthesised molecules.
- Evaluation of biological activity in enzyme assays and in cancer stem cells.



### Our group

We are a young group composed of Master and PhD students, and postdoctoral researchers. Our research lines lie in the areas of **medicinal chemistry and chemical biology** focused on an oncology application. We are based at the Institute for Advanced Chemistry of Catalonia (IQAC-CSIC) in Barcelona (Spain), a cutting-edge research institute known for its innovative approaches in chemistry and biology.

### Candidate requirements

- Master's degree or equivalent in chemistry, pharmacy, or a related field (finished or ongoing)
- Competitive academic marks
- Strong knowledge of **organic chemistry**
- Interest to learn some biology assays
- European citizenship

### Working conditions

- Contract duration: 3 years

### How to apply?

Applications will be addressed to Laia Josa-Culleré at [laia.josacullere@iqac.csic.es](mailto:laia.josacullere@iqac.csic.es), adding "FI-STEP" to the email subject and including a CV, motivation letter, and academic transcript, **before 4<sup>th</sup> April 2025**.

More info on the call here: <https://agaur.gencat.cat/ca/beques-i-ajuts/convocatories-per-temes/Ajuts-per-a-la-contractacio-de-personal-investigador-predocctoral-en-formacio-dins-dels-ambits-de-les-tecnologies-STEP-FI-STEP>

Learn more about our group here: <https://www.iqac.csic.es/josaculleregroup/>

Join us for an exciting opportunity to kick-off your research career!