

Postdoctoral researcher call 2025

We offer a **3-year postdoctoral position** in synthetic organic chemistry, medicinal chemistry, or peptide chemistry within our research group at **Universitat Pompeu Fabra in Barcelona**.

The contract is renewable in one-year periods, up to a maximum of 6 years. This position is fully funded by the Department of Medicine and Life Sciences at Pompeu Fabra University. Salary and conditions will follow the University's regulations for junior postdoctoral researchers.

Research project

The selected candidate will join a multi-laboratory project focused on the development of selective peptide ligands targeting a cross-presenting immune receptor, with the goal of enabling precision delivery of immunotherapeutics and cancer vaccines. Candidates with broader interests may also contribute to other ongoing projects in the lab, in coordination with the principal investigator.

Responsibilities:

- Synthesis, purification, and characterization of peptides, including fluorescently labeled derivatives.
- Teaching support in the Biomedical Sciences Bachelor's program (subjects: basic organic chemistry and medicinal chemistry)
- Preparation of reports and presentations.
- Management of laboratory data and organization of lab meetings

Preferred background of candidates:

- PhD in Chemistry (organic chemistry, medicinal chemistry, or peptide chemistry). Candidates expecting to obtain their PhD before October 2025 are also eligible.
- Strong expertise in synthetic chemistry is essential
- Proficiency in Spanish and/or Catalan is required for teaching duties
- A solid academic record is desirable but not mandatory
- Experience with complementary techniques such as chemical proteomics or phage display is highly valued

How to apply:

Please send the following documents to Dr. Marta Barniol-Xicota (marta.barniol@upf.edu):

- Motivation letter
- Curriculum Vitae
- Two recommendation letters, or contact information for two referees

Deadline: June 23rd 2025, or until the position is filled

About the Chemical Biology & Peptide Theranostics Lab

Website: <https://www.barniolxicotalab.com/>

Group page at UPF: <https://www.upf.edu/web/chembio>