

Postdoctoral Researcher Position available on Solid-Phase Peptide Synthesis and the development of Multifunctional Hydrogels

The project and the team

We are looking for a highly motivated and creative postdoctoral researcher to work in the field of peptide chemistry and investigate click-chemistry methodologies to develop self-assembling hydrogels with multifunctional biological potential.

The ultimate goal is to establish chemoselective methodologies to investigate bottom-up self-assembling methods to produce peptidic hydrogels combining cell adhesive, osteogenic and antibacterial biomaterials for tissue engineering.

If selected, you will work in a highly interdisciplinary environment, within the Biomaterials, Biomechanics and Tissue Engineering (BBT) group (<https://biomaterials.upc.edu/en>), in an expanding research line under the supervision of Dr. Carles Mas-Moruno.

This position is part of the Project “Bioactive and multifunctional peptide-based hydrogels obtained by bottom-up self-assembly for advanced biomedical applications (SmartGel)” funded by the Spanish Research State Agency (AEI).

Your profile

- Strong motivation and capacity to work in a team
- PhD in chemistry or related
- Excellent communication skills and fluency in English
- Experience in solid-phase peptide chemistry, HPLC and mass spectrometry is mandatory
- Experience in peptide self-assembly, hydrogels and biomaterials will be valued

Contract details

- 1 year-contract with a salary according to your experience and in line with Spanish fellowships standards
- You will be responsible of the peptide chemistry lab and analytical HPLC
- Access to state-of-the-art experimental facilities and training opportunities
- Travel allowance to participate in international conferences
- Space for creativity and collaboration
- Expected starting date: December 2022 – January 2023

Applications

Applications are welcome until a successful candidate is selected. Please send the following documents as a single pdf with your name to carles.mas.moruno@upc.edu:

- A motivation letter explaining your research experience, current research interests and reasoning why you think you would be a good fit for this position (max. 1 page)
- CV (max. 4 pages)
- Contact details of two referees. Reference letters are welcome but not essential
- Academic record

Submit your application with “Postdoc applicant SmartGel 2022” in the subject line.