



**Date of publication of the job offer: 11<sup>th</sup> January 2021**

**Job title:**

Post-Doc Offer at the Department of Experimental and Health Science of the UPF (<https://www.upf.edu/web/biomed>) located in the PRBB (<http://www.prbb.org/>) (Barcelona, Spain)

**Job description**

The Molecular Physiology (<https://www.upf.edu/web/lmp> ) and the Integrative Biomedical Materials and Nanomedicine Lab (<https://www.upf.edu/web/nanomed> ) are seeking for a Post-doctoral researcher to work on the development of plasmonic-silica nanomaterials for biomedical applications.

Candidates should have background training and experience in synthesis of gold and silica nanoparticles as well as on drug conjugation, loading and release. Specifically, on building albumin nanoparticles loaded with chemotherapeutics, their subsequent coating, surface modification with antibodies and *in vivo* tumor release characterization.

The project has a strong translational character and therefore fulfilment of the objective within the deadlines is mandatory. The position will provide opportunities to gain experience in technology transfer activities, mentoring students, managing research teams, disseminating research results, and scientific writing.

**Project and Institution that finance the contract:**

Project: Beyond NanoTarg's technology towards suppression of zinc-promoted cancer progression

Institution: Agencia Estatal de Investigación (AEI)

**Official number reference:**

PID2019-106755RB-I00/AEI/10.13039/501100011033

**Information on the minimum requirements**

PhD degree in science and technology of colloids and interfaces, with extensive experience in synthesis and characterization of plasmonic/silica nanostructured materials and their surface modification with antibodies. Knowledge on drug conjugation for controlled release is required.

Ability to work successfully as part of a team and to supervise students.

Track record of first-authored publications in high impact journals.

**The candidate must show high motivation, commitment to the project and must be result oriented. It is a technological project and therefore highly focused on fulfilling the objectives.**



Universitat  
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Departament  
de Ciències Experimentals  
i de la Salut

Fluent in English.

**Benefits of the opening**

The candidate will receive a 12-month postdoc contract with possibility for extension.

**Information on the application process**

**Deadline to submit applications** 11/2/21

**Contact** [nanomed@upf.edu](mailto:nanomed@upf.edu)