

RESEARCH TECHNICIAN

Microbiology Laboratory Technician

OFFER DESCRIPTION

We are looking for a [microbiology laboratory technician](#) to work in the Group of Biomaterials, Biomechanics and Tissue Engineering of the Department of Materials Science and Engineering, at the Universitat Politècnica de Catalunya, led by Prof. Maria-Pau Ginebra (<https://biomaterials.upc.edu/en>). The selected candidate will work in a multidisciplinary team focused on the fundamental understanding of the contact-based bactericidal mechanisms, with particular attention to clinically relevant biomaterials, as part of [BAMBBI](#), an [ERC Advanced Grant](#).

In particular, the [main responsibilities](#) for this position include the organization and management of a microbiology laboratory; technical assistance, training and advice to other researchers of the group in bacterial cultures and microbiological techniques; and conducting bacterial cultures and microbiological characterization of samples generated during the project.

ADDITIONAL INFORMATION

About the BBT Group



The BBT group is a multidisciplinary team of researchers with different backgrounds, including chemistry, physics, biology, materials science, biomedical engineering. Our main scientific goal is the development of biomaterials for tissue and organs regeneration/functional repair. This approach requires the design of materials which can modulate the response of the receiving tissue, leading in some cases to the regeneration and

neof ormation of the degraded tissues and, in others, to a perfect integration of the biomaterial and to the recovery of the lost functionality.

About UPC

The Universitat Politècnica de Catalunya · BarcelonaTech (UPC) is a public institution of research and higher education in the fields of engineering, architecture, sciences and technology, and one of the leading technical universities in Europe. Every year, more than 6,000 bachelor's and master's students, more than 500 doctoral students graduate and 3,067 graduates in lifelong learning.

The UPC's approach to research is highly varied and covers applications and basic research in many knowledge areas. The impact of this research makes the UPC one of the main European technology universities.

REQUIREMENTS

Skills/Qualifications

We will consider candidates with various research backgrounds including [microbiology](#), [biology](#), [biomedicine](#), [biomedical engineering](#). The candidates should hold, as a minimum, a Higher Technical Certificate, advanced vocational training qualification, Higher Level Education Cycle (CFGS) or equivalent. The candidate is expected to be proficient in [English](#).

Specific Requirements

The candidate must have experience in [microbiology and bacterial cultures and microbiological techniques](#). Experience in the culture of mammalian cells, as well as knowledge of basic molecular biology techniques is desirable. Experience in the characterization of antimicrobial biomaterials is desirable but not essential. Previous experience in research will be highly valued. Specifically, the BBT group has a broad expertise on the design, synthesis and characterization of biomaterials for tissue regeneration, with special emphasis in bone applications.

SELECTION PROCESS

How to apply and deadline

Target start date: as soon as possible, as from [1st December 2022](#).

Those interested may email a CV with a list of three references, a short (max one page) statement describing your motivation and prior experience and your academic transcripts to [Dr. Maria-Pau Ginebra](#) (bbt.jobs.upc@gmail.com), with "[Microbiology lab technician BAMBI](#)" in the email subject.