Research Assistant Position or Postdoctoral Researcher

The ERC-funded **Cipitria Lab – Bioengineering in Regeneration and Cancer** at **Biogipuzkoa Health Research Institute**, San Sebastián, Spain (https://cipitrialab.com) is looking for a **research assistant or postdoc** to establish a collaboration with the clinic and the workflow with patient-derived cells and tissue. We aim to understand how biophysical and biochemical properties of native extracellular matrix and synthetic biomaterials guide cell response in regeneration, cancer dormancy and bone metastasis.

Funded by the **LAB AECC** from the Spanish Association for Cancer Research, the project aims at targeting dormant disseminated cancer cells to prevent metastatic relapse and developing biomaterial-based 3D bioengineered models for novel therapies.

Your tasks:
-Establish a scientific collaboration with clinical partners at various hospitals and departments (Radiology, Breast Unit, Traumatology).
-Define the workflow to collect and process patient-derived cells, tissue and patient data. This will include fresh samples as well as frozen or paraffin embedded tissue.
-Culture patient-derived cells, tissue and organoids to develop new 3D bioengineered models.
-Evaluate new drug targets and assess the effect of existing and novel therapies.
-Collaborate in additional projects and become an integral member of our team.
-Our lab maintains an active part in Germany, as well as interaction with partners at the Max Planck Queensland Center (https://research.qut.edu.au/mpqc/). He/she will participate in regular consortium meetings and larger consortium events.

Your profile, qualifications, knowledge and skills:
-MSc or PhD in Biotechnology, Biomedical engineering, Biomedicine or similar.
-Previous experience (preferably more than 2 years in a biomedical lab) in as many tasks as possible required for the position: biological tissue sample collection, processing, cell and tissue culture, histology, immunohistochemistry, microscopy.
-Excellent ability to conduct experiments independently and collaboratively within our group.
-Collaborative mindset and motivation to work in an international, interdisciplinary environment.
-Strong organization skills, project management and proactive "getting things done" mentality.
-Interest to learn and grow professionally in a young, dynamic and competitive lab.
-Have a genuine excitement for science, innovation and creative thinking!
-Good written and oral communication skills in English (Spanish is not required).

Suggested reading: Young et al. Sci Adv 10, eadj0975 (2024); Bakhshandeh et al. bioRxiv 2023.01.25.525382 (2023); Moreno-Jiménez et al. bioRxiv, 2023.07.12.548656 (2023).

Starting date and duration: Sept-Oct 2024, for 3 years or longer. The salary will be adapted to the experience of the candidate.

Application: Please send in a single PDF (i) a motivation letter describing your experience, research interests, expectations and preferred start date, (ii) your CV with a complete list of publications, (iii) transcript of university record and (iv) contact information for three references, to: amaia.cipitriasagardia@bio-gipuzkoa.eus and rrhh@bio-gipuzkoa.eus, indicating "**LAB AECC - Research Assistant - Postdoc**" in the subject line. **The position will remain open until filled**.