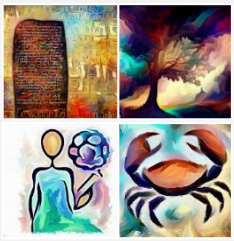
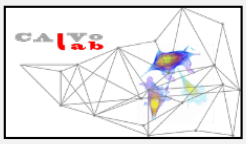
Team Leader
Fernando Calvo
Cientifico Titular CSIC
E calvof@unican.es
T @calvo_lab
W Webpage link
P Publications

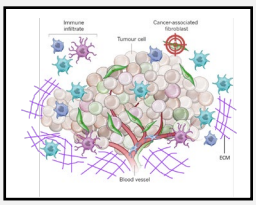
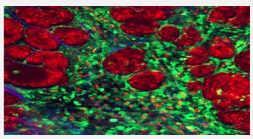
Job Offer
Postdoctoral Researcher

Tumour Microenvironment (TME) Team
Instituto de Biomedicina y Biotecnologia de Cantabria
CSIC/Universidad de Cantabria

Project: Deciphering the corrupted state of cancer-associated fibroblasts (CAF) and its impact in therapeutic responses in triple-negative breast cancer (TNBC).



Starting date: Autumn 2024.
Research Interests: The TME Team investigates the multicellular context of solid tumours to understand the mechanisms regulating cancer progression, dissemination and response to therapy. Using a comprehensive approach (cellular/animal models, molecular and functional characterization of models & clinical samples, bioinformatics), we investigate the mechanisms that induce tumour-promoting behaviors in otherwise normal cells, with a particular focus in cancer-associated fibroblasts (CAFs).
Research Team: We are a team of 10 researchers (IP, 2 postdocs, 1 technician, 1 bioinformatician, 5 PhD students), well-funded (AEI, ERC-CoG, AECC) and with clinical collaborations (Hospital Valdecilla, INCLIVA).
Project description: This is a collaborative project with A. Nebreda (IRB), JM Cejalvo (INCLIVA) and I Varela (IBBTEC) exploring the cellular and molecular determinants that influence TNBC patient responses to chemotherapy & immunotherapy. We have profiled ~30 patients with disparate responses by scRNAseq, which has enabled the identification of cell populations associated with responses. In this project, we aim to understand how CAF heterogeneity influence therapeutic responses. The candidate will design and perform the relevant analyses to validate these initial findings employing established animal and cellular models. Also, the candidate will work with bioinformaticians and the IP to interpret new results and explore new hypotheses. This is a great opportunity for motivated researchers to consolidate their trajectory and develop their independence. We will support the candidate in future calls and contribute to his/her professional and scientific development.
Candidate profile and tasks: We are looking for a motivated candidate with initiative and the ability to work in a multidisciplinary environment. The candidate must have previous experience in molecular cell biology, immunology and/or cancer biology. The candidate is expected to lead the project, design and execute high quality experiments, write scientific reports, assist in the supervision of the team and participate in ongoing research projects.
Requirements: (i) a PhD in related subject (cancer biology, immunology, tumor microenvironment); (ii) wet-lab experience; (iii) Spanish/EU citizenship. Candidates will be evaluated based on scientific excellence (publication record with leading role), creative-thinking, expertise in related research techniques, knowledge of cancer biology, experience in international institutions, and oral & written communication skills (English).
Application: Interested candidates that met the requirements, please send a motivation letter (describing previous research, interests, and interest in joining our team), a career summary document (describing relevant highlights i.e. articles, funding, international stays, career plan), and CV to Fernando Calvo (calvof@unican.es, Subject "Job Offer July 2024"). Those with reference letters can send them. Documents should be sent in English. Shortlisted candidates will be invited to a videoconference interview. The selected candidate will have to be registered in the CSIC Employment App to formalize the contract. This will call will be open until we find the suitable candidate.

Funded by