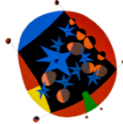


COMPUTATIONAL BIOLOGIST POSITION

(Ref. 2607 - CELIÀ)

OFFER: The Cancer Cell States & Metastasis Immunity Lab at the Hospital del Mar Research Institute, Barcelona led by Dr. Toni Celià-Terrassa is seeking a highly motivated and talented Computational Biologist.



<https://celiaterassalab.com/>

We are seeking a highly motivated Computational Biologist Researcher to join the Celià-Terrassa Lab (<https://celiaterassalab.com/>) and lead projects investigating the mechanisms underlying breast cancer metastasis and immune-evasive tumor cell states. The successful candidate will drive cutting-edge research using single-cell analyses, spatial transcriptomics, and imaging analysis. PLASTWIRE is an ERC-funded project aimed at understanding and therapeutically reprogramming immune-evasive cancer cell states.

Tasks

- Lead the computational component of PLASTWIRE, identifying and characterizing immune-evasive cancer cell states associated with breast cancer metastasis.
- Process and analyze single-cell and spatial transcriptomic datasets, including quality control, data integration, cell annotation, and characterization of tumor-immune interactions.
- Develop and apply quantitative image-analysis workflows for microscopy and tissue-imaging data, including cell segmentation, tracking, feature extraction, phenotypic classification, and spatial mapping.
- Integrate transcriptomic, proteomic, imaging, and functional-screening datasets to identify cell-state transitions, regulatory mechanisms, and therapeutic vulnerabilities.
- Establish reproducible analytical workflows using R and/or Python and collaborate with experimental researchers on study design, biological interpretation, validation, and publication of the findings.

Candidate Profile

- PhD in computational biology, bioinformatics, biostatistics, or a related field
- Expertise in single-cell transcriptomic analysis and spatial transcriptomics and multi-omic data integration
- Experience with imaging analysis
- Strong programming skills in R and/or Python
- Ability to work independently and in a collaborative team
- Excellent communication and problem-solving

Application Process

Interested candidates should send:

- CV
- Brief statement of interest

Applications should be sent to Toni Celià at acelia@researchmar.net

Deadline for submission of CVs: during September 2026.