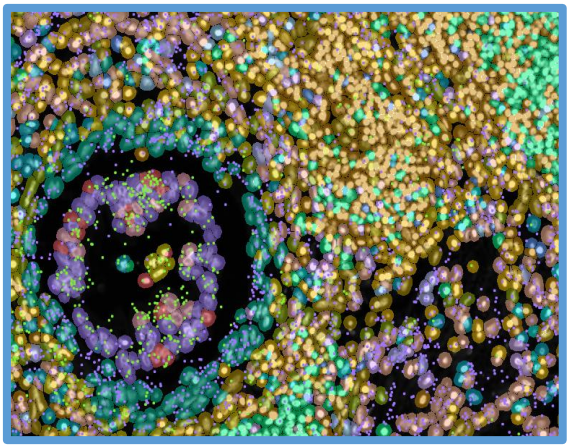
"ALEXANDER FLEMING"
Biomedical Sciences Research Center

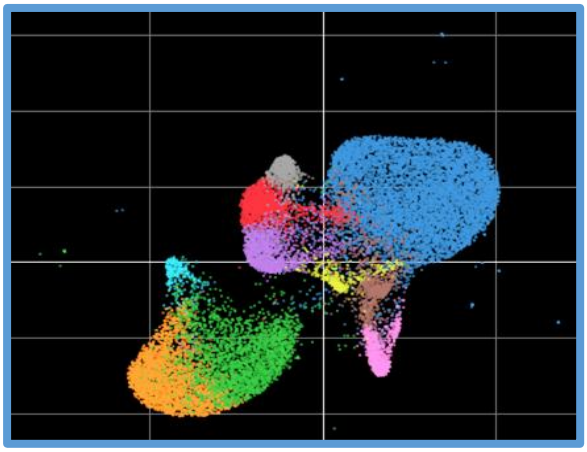
HELLENIC REPUBLIC
National and Kapodistrian University of Athens
EST. 1837

European Research Council

Spatial Projection



UMAP Projection



PhD Position
Bioinformatics/ Computational Biology
Tsoumakidou lab
BSRC Fleming | University of Athens

We are seeking a highly motivated PhD candidate in bioinformatics to join a dynamic and collaborative research team operating at the intersection of immunology, cancer biology, and data science. The ideal candidate will hold an MSc (or equivalent degree) in bioinformatics, computational biology, or a related discipline and be eligible for PhD enrollment. Experience with high-throughput data analysis such as single-cell RNA sequencing, bulk RNA sequencing, and machine learning is highly valued. The successful applicant will work closely with wet-lab scientists and a team of fellow bioinformaticians to design, implement, and apply computational approaches for the analysis and integration of large-scale datasets, including transcriptomic and spatial omics data. The selected candidate will be enrolled in the PhD program of the University of Athens and receive full funding. This position is part of the ERC-funded project *artFibro*, led by Dr. Maria Tsoumakidou, titled *"Artifying fibroblasts: Perturbation modelling in the lung tumor phase space to rewire fibroblasts for immunotherapy"* (2023–2028), with a total budget of €2 million.

Expressions of interest should be sent electronically to **Dr. Tsoumakidou** (**tsoumakidou@fleming.gr**) and should contain a cover letter outlining the candidate's interests and areas of expertise (maximum 1 page long) and a CV including full publication list and contact information of two referees.

Deadline for expression of interest: 31/10/2025

For more information about the lab, please visit: tsoumakidou-lab

For information about the project, please visit: artFibro