FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS
INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY

EXPRESSION OF INTEREST

The Gene Control Mechanisms lab at the Institute of Molecular Biology and Biotechnology (IMBB) of the Research Technology Foundation (FORTH) is looking for one highly motivated and experienced bioinformatician or computational biologist to join their team. The lab is headed by Dr Matthieu Lavigne and is generally interested in understanding molecular mechanisms ruling RNA transcription and DNA repair and how these processes impact healthy vs pathological (cancer, neurodegeneration, autoimmune diseases) gene expression programs in human cells and in primary tissues.

The successful candidate will have the opportunity to work with an interactive group of molecular biologists, biochemists and bioinformatics students and will be responsible for implementing/developing state-of-the-art systems biology and/or Machine Learning (ML) approaches to analyze data from multi-omic single-cell and bulk Next Generation Sequencing (NGS).

Applicants are required to have advanced skills in programming (i.e. R, Python, Unix), sufficient experience in using biostatistics and demonstrated know-how to analyse large sets of NGS data (i.e. Illumina, Nanopore, Pacbio) data including in the context of (sc)RNA-seq, WGS, GWAS, ChIP-seq, (sc)ATAC-seq or HiC.

The candidates should hold a BSc degree in Computer Science or related field (e.g. Engineering, Applied Math, Physics, etc) or/and an MSc degree in Bioinformatics or related field (e.g. Computational Biology, Biostatistics, Applied Mathematics etc). Additionally, applicants should have good communication skills to provide support both to members of the GCM lab as well as collaborating groups.

Expression of interest should include a curriculum vitae, a cover letter outlining the candidate's interests and expertise (max. 1 page), and contact information of at least two referees, and should be sent to lavigne@imbb.forth.gr.

Deadline for submissions of expression of interest: 31 August 2023