

Heraklion, 1st April 2024,

EXPRESSION OF INTEREST

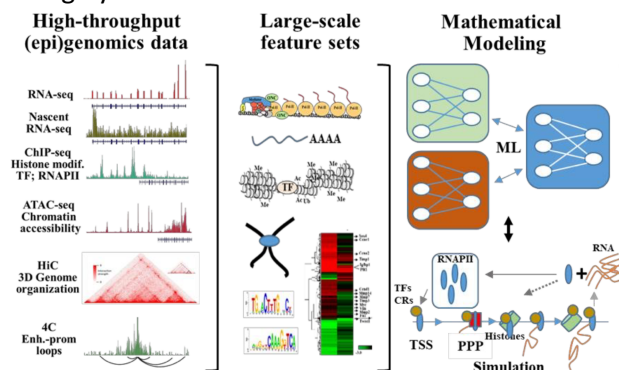
The **Gene Control Mechanisms lab** headed by **Dr Matthieu Lavigne** at the Institute of Molecular Biology and Biotechnology (IMBB) of the Research Technology Foundation (FORTH) is looking for

- (i) **one highly motivated PhD student and**
- (ii) **one experienced Post-doc molecular biologist**

to join their team. The lab 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.

We are seeking highly motivated candidates with **interest and experience in molecular and cellular biology, chromatin, and transcription regulation research**. They will have the opportunity to work on a multi-disciplinary and collaborative project recently funded by [ΕΛΙΔΕΚ - HFRI](#) (Greece 2.0 for Basic Research Financing Action) **with Dr Iannis Talianidis and Dr Theodoros Katsaounis lab at FORTH**.

The project title is *“Modeling Transcription: an integrated approach to understand cancer-specific gene expression programs”* and will require synergism between our experienced laboratories in cancer biology, genomics, epigenetics, bioinformatics and mathematics. The candidates for my lab should have **strong background/interest in cancer biology, chromatin and transcription regulation and proven skills in NGS (e.g. RNA-seq, ChIP-seq, ATAC-seq, HiC), cell culture (e.g. cancer cells, iPSCs) and biochemistry**. Additional knowledge and experience with genomics data analysis or mathematical biology approaches will be highly valued.



PhD candidates should hold a **MSc degree** (or equivalent) in molecular and cellular Biology or similar fields (e.g. Biotechnology, Bioengineering, Biomedicine).

Post-doc candidates should hold a **PhD degree** (or equivalent) in molecular and cellular Biology or similar fields (e.g. Biotechnology, Bioengineering, Biomedicine, Bioinformatics) and have a strong publication record. Additionally, applicants should have excellent communication skills, proficiency in english and ability to work in a team and with collaborating groups.

Expression of interest should be sent to lavigne@imbb.forth.gr before 10th April and include a curriculum vitae (Resume), a cover letter outlining the candidate's interests for this project and their background research experience, expertise and technical skills (max. 1 page), as well as the contact information of at least two referees.