Open PhD Position

Functional exploration & inhibition of BET proteins in B-cell lymphoma

Directed by Jérôme Govin and Anouk Emadali

Double hit B-cell lymphoma (DHL) is an aggressive cancer resistant to conventional treatments. The inhibition of chromatin signaling pathways could represent a novel effective option for DHL clinical management.

This project focuses on the family of BET proteins, chromatin readers recruited by acetylated histones. It will explore the role of BET proteins and rationalize the use of BET inhibitor in DHL. The specific objectives are:

- characterize the transcriptional response during the genetic or chemical invalidation of BET;
- use proteomic and chemoproteomic approaches to characterize the BET interactome;
- evaluate the potential BET inhibitors, in combination with anticancer drugs, in cellular and preclinical models.

Our team: Translational Epigenetics

From chromatin signaling to biomedical applications

Our team explores chromatin signalling pathways to reveal new molecular mechanisms and translate them into biomedical applications.

We combine genetics, epigenetics, proteomics and biochemistry to investigate the function of chromatin proteins, their potential for biomedical therapies and the development of inhibitory compounds (EpiDrugs).

You will be directed by J. Govin and A. Emadali, experts in epigenetics and lymphoma biology. You will benefit from an advanced training in experimental design, lab skills, bioinformatics, data presentation and communications.

We are located on the medical campus of Grenoble, in the Institute for Advanced Biosciences, dedicated to fundamental and translational research in epigenetics, chronic diseases and cancer.


Eligibility criteria

Applicants must expect a Master's degree in Biology in 2019 (or a 5-year university degree equivalent to a European Master’s). She / He will have excellent academic records with a strong background in cellular and molecular biology and biochemistry. Initial experience in bioinformatics (R, Python, …) will be appreciated but is not a requirement.

Applicants should send a cover letter and the following documents (in English):

- CV (with ranks) and last diploma
- A short presentation of the project conducted during the Master’s internship (1 page max)
- Letters of recommendation are welcome.

Please send your application to [govinlab@gmail.com](mailto:govinlab@gmail.com) before July 8th 2019.