11/12/20

Eischen lab postdoctoral fellow description

The Eischen laboratory needs highly motivated postdoctoral fellow. Postdoctoral fellows should be interested in genetic, molecular, or biochemical mechanisms of tumor development and survival. The laboratory utilizes genetically engineered mouse models, primary cell culture, retroviral gene transfer technologies, protein purification, genomics, microscopy, computational biology, and patient sample analysis, to answer biological questions related to tumor initiation and survival. We published in high profile journals (e.g., *Nature Comm.* 2017 and 2020, *J. Clinical Invest.* 2017, *Clinical Can. Res.*, 2017, *Cancer Res*. 2019, and *Leukemia* 2020).

Project 1 focuses on BCL2 family members and their roles in B cell lymphoma survival and drug resistance. This project involves biochemical, cellular, and mouse modeling approaches to characterize various BCL2 family members and ways to capitalize on their targeting for the treatment of lymphomas and overcoming resistance to treatments.

Project 2 is focused on non-coding RNA in carcinomas (lung, breast, etc.) and lymphomas and their contribution to its development, growth, and progression. Mouse models, cellular, computational biology, and various other approaches to evaluate non-coding RNA and their targets are utilized.

Interested individuals should send their CV and the project they are interested in pursuing and why www.jefferson.edu/hr and reference Job ID# 9249626.

Applicants must be skilled in cancer biology techniques (e.g., biochemistry, cell culture, mouse models, flow cytometry, etc.).

https://research.jefferson.edu/labs/researcher/eischen-laboratory.html