

## **Post-Doctoral Research Fellow – Lab of Dr. Christine Eischen – Cancer Biology**

The Eischen laboratory needs a 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.

### **Education Requirements**

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

You can apply to the job by going to our Careers page at;

<https://jeffersonhealth.wd5.myworkdayjobs.com/en-US/ThomasJeffersonExternal>

Then search JR\_9285825