



**MÁSTER EN INVESTIGACIÓN BIOMÉDICA**

**Research Project Proposal**

Academic year 2022-2023

**Project Nº 48 ASIGNADO**

**Title:** *Exploring the pathogenic role of fatty-acid and cholesterol metabolism in pre-clinical mouse models of B-cell lymphomas*

**Department/ Laboratory**

*Biochemistry and Genetics Department (School of Sciences, UNAV)*

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**Summary**

*Lymphomas of B-cell origin represent a diverse group of malignancies, including diffuse large B-cell lymphoma (DLBCL). Despite improvements in diagnosis and treatment of DLBCL, relapsed and refractory disease represents an unmet clinical need. Therefore, it is of utmost importance to better understand the biology of lymphoma progression as well as the interactions with their cellular tumor microenvironment for developing novel therapeutic strategies.*

*Increasing evidence suggests that metabolic reprogramming does not only confer cell intrinsic growth and survival advantages to lymphoma cells, but also might impact anti-tumor immunity and other immune cells in the lymphoma microenvironment. In this proposal, we aim to study whether rewiring of fatty-acid and cholesterol metabolism in DLBCL cells may contribute to lymphoma development and ultimately be translated into therapeutic options that could be tested pre-clinically in the DLBCL mouse models recently generated in our laboratory.*

yes	X
no	

Does the project include the possibility of supervised animal manipulation to complete the training for animal manipulator?