



Universidad
de Navarra

Facultad de Ciencias

MASTER'S DEGREE IN BIOMEDICAL RESEARCH

Research Project Proposal

Academic year 2023-2024

Project Nº 24

Title: Fabrication of human cardiac tissue using novel biofabrication technologies

Department/ Laboratory

Advanced therapies / Laboratory 1.01 , CIMA.

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Summary

The objective of this work is to use light-curing biomaterials together with different 3D printing and bioprinting technologies to advance in the fabrication of cardiovascular tissues with human cells. The student will learn how to culture different human cell types, as well as how to handle biomaterials and use them in combination with cells to print cardiac and vascular tissue models, as well as characterize them by molecular and imaging techniques.

yes	X
no	

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