



Research Project Proposal
Academic year 2020-2021

Máster en Investigación Biomédica

Project Nº 52	
Title: <i>Protein-based nanoparticles for the delivery of bevacizumab</i>	
Department/ Laboratory <i>Chemistry and Pharmaceutical Technology. School of Pharmacy and Nutrition</i>	
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Summary <i>Bevacizumab (as other monoclonal antibodies) has now become a mainstay in the treatment of several cancers in spite of some limitations, including poor tumour penetration and the development of resistance mechanisms. Its nanoencapsulation may be an adequate strategy to minimize these problems. The main objective of this project is to evaluate the capability of protein-based nanoparticles as carriers for the delivery of bevacizumab. For this purpose, the candidate will optimize the properties of the nanocarriers to control the release of the monoclonal antibody. In addition, she/he will be also involved in the experiments to evaluate the efficacy of the selected formulation on a xenograft model of human colorectal cancer.</i>	
yes	X
no	
Does the project include the possibility of supervised animal manipulation to complete the training for animal manipulator?	