



Erasmus+ Traineeship

EMPLOYER INFORMATION	
Name of Organization	University of Murcia
UMU Contact Person and e-mail	Victoriano Mulero, vmulero@um.es
UMU Address	Departamento de Biología Celular e Histología Facultad de Biología
UMU Telephone	868 887581

ENTERPRISE JOB DESCRIPTION	
Name of enterprise	Modeling chronic inflammation with zebrafish and organotypic 3D cultures Role of the inflammasome in hematopoiesis Modeling rare diseases using the zebrafish
Duration	6-12 months
Working Hours	35h/week
Project Description	The student will be enrolled in one of the above research lines aimed at deciphering novel signaling pathways involved in psoriasis and atopic dermatitis, non-canonical roles of the inflammasome in hematopoiesis and modeling rare diseases in zebrafish.



Tasks of the Erasmus intern	The student will be trained in zebrafish handling in biomedical research, gene editing using CRISPR-Cas9, basic cell biology techniques, such as cell culture and flow cytometry, molecular biology techniques, such as RNA extraction, RT-qPCR and western blot, and microscopy techniques, such as fluorescence microscopy, laser scanning microscopy and immunohistochemistry.
Requirements	The applicant must have a fair background in biochemistry, molecular biology, cell biology and immunology. A good level of English language and basic laboratory skills are also required.
What do we offer	We offer immediate incorporation to an active project supported by national and international competitive funding. The student will benefit from large laboratory space, modern research facilities and from teamwork with highly competent PhD students and postdoctoral researchers, under the close supervision and guidance from senior personnel and in a friendly, collaborative environment.
Website	https://www.um.es/nisoft/victor1.htm