



Erasmus+ Traineeship

EMPLOYER INFORMATION	
Name of Organization	University of Murcia
UMU Contact Person and e-mail	Rut Valdor, rut.valdor@um.es
UMU Address	Facultad de Medicina, Campus Ciencias de la Salud, Edificio LAIB, IMIB-Arrixaca.
UMU Telephone	868889357

ENTERPRISE JOB DESCRIPTION	
Name of enterprise	At University of Murcia (UMU): Modulation of the mesenchymal properties and cell therapy with pericytes/Cell Therapy and hematopoietic transplantation (TPH) group. At the Biomedical Research Institute of Murcia (IMIB- Virgen de la Arrixaca): Autophagy in the Vascular Peritumoral Niche during Glioblastoma progression/Group of Autophagy, immune response and tolerance in pathologic processes
Duration	From 3 to 9 months
Working Hours	Around 30 h/week



Project Description	The student will be involved in a project aiming at the characterization of the roles of autophagy, specifically chaperone-mediated autophagy, in the immune function of perivascular cell populations in brain that present stem cell properties and inflammatory function that might be modulated for genetic and pharmacological therapy in the cancer of Glioblastoma Multiforme progression. Our first goal is to understand the molecular mechanisms implicated in the evasion of the perivascular immune response during interaction and perivascular infiltration of the tumor cells in the Glioblastoma, and therefore, to determine what types of autophagy and their functions might be implicated.
Tasks of the Erasmus intern	The successful applicant will perform research on the molecular mechanisms and the immune function of pericytes that can be modulated through chaperone-mediated autophagy during glioblastoma cancer progression and/or other pathologies.
Requirements	The applicant must have a fair background in biochemistry, molecular 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 competitive funding. The student will benefit from large laboratory space, modern research facilities and from teamwork with highly competent PhD students and post-doctoral researchers, under the close supervision and guidance from senior personnel and in a friendly, collaborative environment. She/he will acquire expertise in most basic molecular/cellular biology techniques, as well as in more specialized techniques such immunofluorescence/IHQ microscopy, immunologic techniques (ELISAS, FACS) and others related to cell culture and monitor autophagy.
Website	At UMU: https://curie.um.es/curie/catalogo-ficha.du?seof_codigo=1&perf_codigo=10&peva_cod=002&titulo=Ciencias+de+la+Salud&sec_codigo=&cods=E0C8*14 At IMIB-Virgen de la Arrixaca: http://autoincan.imib.es/grupoinvestigacion/index.jsf



Contact: Rut Valdor, PHD (rut.valdor@um.es)

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