

JOB OFFER

Date: 03/11/2023

PRINCIPAL INVESTIGATORS: Fernando Rodríguez Pascual/Santiago Lamas.

SCIENTIFIC PROGRAM: Tissue and Organ Homeostasis/Physiological and Pathological Processes.

JOB OFFER: Postdoctoral Researcher.

PROJECT TITLE:

Pathophysiology of the Organ Fibrosis.

PROJECT DESCRIPTION:

Fibrosis is defined by scarring and tissue hardening caused by excess deposition of extracellular matrix (ECM) components, mainly collagens. A fibrotic response can occur in any tissue of the body and is the final outcome of an unbalanced reaction to inflammation and wound healing induced by a variety of insults, including persistent infections, autoimmune reactions, allergic responses, chemical exposure, radiation, and tissue injury. Intensive research in recent years has identified several pathways involved in the activation and persistence of fibroblasts typically found in fibrotic tissues. However, the treatment options are scarce and ineffective, therefore, there is an urgent need for new pharmacological therapies. Our current research investigates the crosstalk between ECM deposition and stiffness and the cellular responses to hypoxia and metabolic reprogramming in the development of fibrosis.

REQUIREMENTS, EXPERIENCE AND ACADEMIC QUALIFICATIONS:

We are seeking highly motivated young candidates holding a PhD in Life Sciences and a recognized trajectory to be competitive in programs such as Juan de la Cierva or similar.

CONTACT:

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OTHER INFORMATION:

We are offering 1 or 2 years of postdoctoral contract (starting end of 2023, beginning of 2024) and the possibility to apply for additional programs.