PRINCIPAL INVESTIGATOR: Eduardo Balsa Martinez

SCIENTIFIC PROGRAM: Physiological and pathological processes

JOB OFFER: Lab technician

PROJECT TITLE:
Mitochondrial dysfunction in metabolic diseases

PROJECT DESCRIPTION:
Mitochondria are unique and complex organelles that perform essential functions in many aspects of cell biology. Once considered to be mere sites of ATP generation, it is now evident that these organelles participate in a wide range of cellular processes including calcium homeostasis, apoptosis, redox balance or cell fate. Because of this multifaceted contribution of mitochondria to key biologic and metabolic pathways it is not surprising that mitochondrial dysfunction has been linked to many human disorders including neurodegeneration, diabetes, cancer or aging. The Balsa laboratory seeks to understand the basic molecular components that regulate mitochondrial function and integrate this knowledge in the context of human physiology and disease. Specifically in this project, we aim to elucidate the molecular mechanisms whereby mitochondrial dysfunction compromise cellular fitness and leads to organ failure in the context of human diseases.

DURATION:
2 years

REQUIREMENTS, EXPERIENCE AND ACADEMIC QUALIFICATIONS:
Candidates should hold a technical degree in a related area or a degree in Biology, Biochemistry or related. Research experience with management of animal colonies is required. Research experience in cell and molecular biology, and in mammalian cell culture will be positively valued. Good knowledge of English is also positively valued.

CONTACT:
Interested applicants should submit their CV, to ebalsa@cbm.csic.es.

DEADLINE: