



MINISTERIO  
DE ECONOMÍA  
Y COMPETITIVIDAD



CSIC



The group of Mitochondrial Regulation of Cell Death in the IIBB-CSIC Institute is currently seeking a highly motivated PhD student to join, in the laboratory headed by Dr. Fernandez-Checa, on a project in (one of this research lines):

- Ischaemia-reperfusion hepatocellular damage mechanisms and their regulation based on antioxidant and anti-inflammatory strategies.
- Sphingolipid and mitochondrial oxidative-stress regulation of cell death.
- Mechanism responsible for cholesterol transport to the mitochondria.
- Role of cholesterol in hepatocellular carcinoma response to chemotherapy.
- Regulation of cholesterol homeostasis in patients and experimental models of non-alcoholic steatohepatitis.
- Contribution of sphingolipids to non-alcoholic steatohepatitis and resistance to insulin therapy.

Our group offers a stimulating, multidisciplinary and international environment for the ambitious student who wishes to work towards a Ph.D. degree.

### CANDIDATE PROFILE

- Have a bachelor's degree in Biology, Biochemistry, Biotechnology or related disciplines with an average grade > 2.5 (scale 1-4).
- High scientific motivation, very proactive attitude and enthusiasm for exposure to a diversity of scientific projects.
- Ability to work independently and as team member.
- Great organization and communication skills.
- High command of English written and oral.
- A background in cell culture, molecular biology and biochemical assays will be considered.
- The successful candidate is expected to apply for PhD grants (FPI, FPU, Boehringer Ingelhem Fellowship, ...).

### CONTACT

Interested applicants should send a cover letter (briefly describing research experience and scientific motivations), a CV (if it's the case with a list of publications), relevant certificates and two references (with address, phone number and e-mail) to Dr. Fernández-Checa, [checa229@yahoo.com](mailto:checa229@yahoo.com)