

Job Description: Estación Biológica de Doñana (EBD)

Role: Research Assistant

Duration: 3 months

Website: www.ebd.csic.es

Location:

Estación Biológica de
Doñana CSIC (EBD)
C/ Americo Vesputio, s/n,
41092, Isla de la Cartuja,
Sevilla

Company Description:

Doñana Biological Station is a public research institute belonging to the Consejo Superior de Investigaciones Científicas, CSIC, within the area of Natural Resources. Our primary mission is to carry out multidisciplinary research at the highest level, directed at understanding, from an evolutionary point of view, how biodiversity is generated, how it is maintained and damaged, in addition to the consequences of its loss and the chances of their preservation and restoration.

Furthermore, it also promotes the transfer of scientific knowledge to society. The institute consists of a main building in Seville, which has an innovative Stable Isotope Laboratory (LIE) and two field stations, the ICTS Doñana Biological Reserve, (Doñana Natural Area, Almonte, Huelva) and Roblehondo Field Station (Parque Natural de las Sierras de Cazorla, Segura and Las Villas).

Role Description:

The participant will assist on the work developed in the framework of project entitled "Understanding and broadcasting the thermal tolerance of organisms". Climate warming imposes thermal challenges for the survival of organisms populations and species. In this context, current efforts to understand the outcomes of such challenges require reliable experimental methods to estimate species' thermal tolerance. In this project, the selected candidate will pursue the study of the challenges that the thermal habitat imposes over organisms (e.g. invertebrates, reptiles, or anurans), and will learn how to broadcast information on thermal methods and species geography in the World Wide Web.

Tasks to be performed:

The selected candidate will perform the following tasks: discuss texts with supervisors; prepare experimental protocols and devices to measure thermal tolerance in different organisms; gather data on species relationships with temperature; record experimental procedures and posting them online; contribute in a website with texts on the vulnerability of species to climate warming. The selected candidate will also have the opportunity to voluntarily join in short trips to the field (in that case travelling costs will be covered by the candidate).

Required Applicant Profile:

EBD are seeking graduates in animal behaviour, biology, botany, ecology, zoology, or related fields to carry out a 13-week internship at their research institute in Seville, Spain. Participants will be encouraged to attend weekly seminars hosted by the institute. Spanish language skills are not necessary but would be an asset.