Predoctoral Researcher Position at CREAF
"Ayudas para contratos predoctorales para la formación de doctores 2020 Severo Ochoa y María de Maeztu"

Position: Soil carbon dynamics and predominant protection mechanisms as influenced by soil microbial and faunal biodiversity
Reference: CEX2018-000828-S-20-5
Priority line: MAINTAINING THE REGIONAL-SCALE ECOSYSTEM NETWORK.
Application period: from 13/10/2020 to 27/10/2020 (until 14h)
Application site:
https://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnextoid=490233572bed4710VgnVCM1000001d04140aRCRD

List of projects of the Severo Ochoa y Maria de Maeztu programs:
https://www.ciencia.gob.es/stfls/MICINN/Ayudas/PE_2017_2020/PE_Promocion_Talento_Empleabilidad/Subprograma_Estatal_Formacion_IDi/FICHEROS/Contratos_Predoctorales_Formacion_Doctores_2020/Proyectos_PREDOC_2020_SO_MDM_WEB.pdf

Topic: Terrestrial ecology has been traditionally centered in above-ground processes, while soil ecology has been relatively under looked until recently. Soil biota is involved in an array of such as soil fertility, the hydrologic cycle, and carbon dynamics and storage, but knowledge on the true effect of soil biodiversity on ecosystem functions is still limited.
In this PhD proposal the candidate will study the (1) soil carbon storage, dynamics and saturation in afforestation chronosequences under Mediterranean and temperate climate; (2) the variation along this chronosequence of the main carbon protection mechanisms; (3) the interaction between soil protected carbon and soil biodiversity, in a variety of natural habitats from drylands to alpine habitats, as influenced by the above-ground plant assemblies and pedoclimatic conditions.
The candidate will be responsible for the field work, the laboratory analysis, and the presentation and publishing of results in scientific meetings and peer-reviewed journals.

Application requirements (provide supporting documents):
- Master degree in soil science, ecology or zoology
- Excellent academic records
- High English communication skills
- Excellent writing skills
- Experience in the analysis of quantitative data in R software or other platforms
- Driving license
- Strong motivation to work in a collaborative environment

Selection process: Those interested send, **before 23 October 2020**, and **updated CV** and the **academic grade record**, along with a **letter of motivation**, as well as any **supporting document.**

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