

Predocctoral Researcher Position at CREAM “Ayudas para contratos predoctorales para la formación de doctores 2020 Severo Ochoa y María de Maeztu”

Position reference: CEX2018-000828-S-20-4

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](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: Plant transpiration regulates the water cycle (and indirectly the carbon cycle) at the global scale and is an essential component of plant responses to drought. The thesis project is part of the SAPFLUXNET initiative (<http://sapfluxnet.creaf.cat/>), the first global tree transpiration database. In the thesis, SAPFLUXNET together with other databases will be used to understand the factors that determine the spatiotemporal variability of transpiration and responses to drought in forests around the world. The main objectives of the project are: (1) to describe the temporal dimension of the responses to drought in trees, (2) to relate these responses to hydraulic limitations to tree water transport, and (3) to estimate the spatial variability of tree and forest water use at a global scale. The thesis will involve working closely with different international research groups that carry out large-scale modeling and experimental activities.

Those interested send and updated CV and the acadèmic grade record, along with a letter of motivation, above **before 20 October 2020**

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