

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-20-1

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/?vgnnextoid=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: The specific thesis theme will be within the scope of unveiling why pH-alkalinity gradients (PAGs) are axes of speciation and ecological segregation in inland waters. We will use diatoms as model organisms. The project-specific objectives include 1) determining if there are critical functional traits in diatoms which spatial variation mirrors PAGs; 2) checking whether biogeographic patterns related to the diversification of the main diatom clades match the distribution of PAGs across continents; 3) assessing how the regional and long-term variation in PAGs affects the metacommunity dynamics within a lake district (Pyrenees); 4) assessing the effects of the rapid increase in atmospheric CO₂ levels on the composition and functional traits of diatom communities at habitat and microhabitat scales by comparison with natural gradients of CO₂ over-saturation (Aigüestortes National Park).

Those interested should send an updated CV and the academic grade record, along with a letter of motivation, **before 23 October 2020**

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