

<b>Date of publication of the job offer:</b> October 1st, 2019
<b>Job title:</b> Research technician
<b>Job description</b> <p>Roughly half of global photosynthesis occurs in the oceans, yet many aspects of oceanic ecosystem functioning are poorly understood. In particular, the biology of the majority of marine microbial eukaryote species (roughly 1 <math>\mu\text{m}</math> to 2 mm in size) remains a mystery. The goal of this project is to begin to characterize the unknown majority of microbial eukaryotes in the surface oceans. The first step will be to collect Mediterranean water samples from which to isolate and grow target species. Next, we will apply microscopy techniques to characterize their life history, behaviour and potential interaction partners, and we will sequence and assemble their transcriptomes in order to provide an initial glimpse of their metabolic potential. These experiments and analyses will generate hypotheses about how the different biological characteristics of these species influence global oceanic ecosystems.</p> <p>We are looking for a motivated, curious, organized research technician to perform the key laboratory steps of this project. The candidate's tasks will involve:</p> <ul style="list-style-type: none"><li>• Collection of water samples</li><li>• Eukaryotic cell culture using sterile technique</li><li>• High-throughput growth monitoring by light microscopy</li><li>• Fluorescence and time-lapse microscopy</li><li>• PCR, cloning and sample preparation for Sanger sequencing</li><li>• Isolation of DNA/RNA and sample preparation for next-generation sequencing</li></ul>
<b>Project and Institution that finance the contract</b> <p>"la Caixa" Foundation, Junior Leader Postdoctoral Fellowship</p>
<b>Official number reference</b> <p>ID 100010434</p>
<b>Information on the minimum requirements</b> <ul style="list-style-type: none"><li>• Degree in biology or equivalent biology background</li><li>• Experience with light microscopy</li><li>• Experience with standard molecular biology techniques (cell culture using sterile technique, PCR, cloning, DNA and RNA isolation, sequencing, etc.)</li><li>• Self-motivated, goal- and team-oriented</li><li>• Highly organized</li></ul>
<b>Benefits of the opening</b>



A one year contract (4 ½ days/week) with possible extension up to 3 years.

**Salary:** 21,500 € annual gross salary

**Starting date:** As early as 1st November 2019

### **Information on the application process**

Interested candidates should e-mail their CV, a motivation letter, and contact information of two potential references.

**We especially encourage persons from groups under-represented in academia to apply.**

**Deadline to submit applications:** October 13<sup>th</sup> , 2019

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