

TECHNICIAN

Agrotecnio is committed to a diverse and inclusive work environment. Employment is assessed on the basis of qualifications, competence, integrity and organizational needs, in accordance with the HRS4R certification requirements. Women are strongly encouraged to apply.

Clear and precise description of the activity

The work will focus on describing soil carbon dynamics in Mediterranean restored ecosystems, with a specific emphasis on the interaction between soil fungi and their role in biogeochemical soil cycles, particularly carbon fixation. The technician's role will involve applying advanced sequencing techniques (e.g., Illumina) to characterize soil fungal diversity and composition, and to assess their impact on carbon cycles and nitrogen dynamics. The work includes a substantial component of laboratory analyses for characterizing soil properties and DNA extraction. Bioinformatic analyses of the DNA data will also be essential. Additionally, field sampling will be conducted to collect soil samples and document vegetation diversity. The technician should have experience in forest restoration and silviculture projects, along with proficiency in advanced statistical analyses for interpreting collected data. These skills are crucial for achieving the project's objectives.

Place description

Agrotecnio- Universitat de Lleida
Campus Agroalimentari, Forestal i Veterinari
Avinguda Alcalde Rovira Roure, 191. 25198 Lleida

Profile, requirements and merits duly accredited.

- 1.- Master degree in relevant field: forestry or biology.
- 2.- Experience designing and conducting soil fungal research to answer cutting-edge questions in ecosystem ecology.
- 3.- Robust understanding of soil biogeochemistry.
- 4.- Experience in building and interpreting Advanced Statistical Models.
- 5.- Excellent data management and coding skills in R and/or Python.
- 6.- Background in fungal sequence data analysis.
- 7.- Good knowledge of English and Spanish (oral and written).
- 8.- Demonstrated ability to deliver high-quality scientific writing (peer-reviewed scientific journals).
- 9.- High communication and dissemination skills.

Expected duration.

6 Months (from. 1st October 2024. to 31th March 2025)

Weekly hours.

37.5 h/week

Gross amount

2,538.62 €/month

Name of the responsible researcher.

Dr. Josu G Alday

Deadline.

1st August 2024

Place to present.

Secretary of Agrotecnio (administration@agrotecnio.udl.cat)

Composition of the evaluation committee.

President: Josu G Alday

Secretary: José Antonio Bonet

Voice: Tatiana Shestakova

Place where the resolution will be published

Agrotecnio website (<https://agrotecnio.org/careers-job-offers/>)

If you require further information on matters relating to the call please contact:

josu.alday@udl.cat

The contractual modality is of indefinite duration, with specific clauses linked to the financing of the project in accordance with art. 49 1.b) and art. and 52.e) of Royal Legislative Decree 2/2015, of October 23, whereby the revised text of the Workers' Statute Law is approved.

Please if you are interested in the position send a CV and one recommendation letter to the mail: administration@agrotecnio.udl.cat

Foot note: Appeals against outcome of the administrative selection process may be directed to the Director/Acting director of the Center within one month outcome of the selection process.

Lleida, 16th , July 2024

Josu G. Alday