

POSTDOCTORAL RESEARCHER ON SOIL N₂O, CH₄ AND CO₂ FLUXES IN RESPONSE TO NUTRIENT AND CLIMATE CHANGES (ref. 18-011-03589)

CREAF needs to incorporate in a short time a postdoctoral researcher profile to the project SYNERGY GRANT - IMBALANCE (ERC-2013-SyG 610028-IMBALANCE-P, funded by the European Commission). The contract is expected to start in May, 2018, and will finish at the end of the tasks required for the project. Work time will be 4 days per month.

TASKS

The selected candidate will help to the IMBALANCE team about:

- Gas exchange measurements in natural and manipulated ecosystems, mostly related to nutrient imbalances at both local and global scales.
- Field work and conduction of field experiments and analyses, and observations of litter and soil microbial communities.
- Monitoring of soil N₂O, CH₄ and CO₂ fluxes in response to nutrient availability in the experiments and field sites in Garraf, Prades, Pyrenees and Montseny (Catalonia), French Guiana (France), and the other study sites of the Global Ecology Unit.
- Processing and analysis of data.
- Writing and publishing research papers in international peer-reviewed journals.

REQUIREMENTS

- PhD in Ecology or related field.
- Advanced user of statistical software (e.g. R software and SAS).
- Demonstrable experience of more than 5 years in the study of soil N₂O, CH₄ and CO₂ fluxes, terrestrial community and ecosystem ecology.
- Capacity for teamwork.
- Long (more than 5 years) experience in organizing, coordinating and conducting field-based research, with a particular emphasis on soil ecosystems.
- Catalan and English spoken and written correctly.

ASSESSABLE CONDITIONS

- Previous experience in project development, data analysis and scientific writing.
- Demonstrable knowledge of state-of-the-art of soil N₂O, CH₄ and CO₂ fluxes techniques in Mediterranean soils.

SELECTION PROCESS AND CRITERIA

The selection process is led by the research project team, and will be overseen by the Management Office and the Human Resources Area of CREAF. This process consists of:

1. Admission of candidates: **applicants must submit a résumé, a cover letter (maximum 500 words) and the questionnaire attached to the offer, by e-mail to laboral@creaf.uab.cat, until April 26, 2018 at 2:00 p.m., indicating the reference code of the offer.** Applications referred to another portal, other than CREAF job openings section and the instructions included in this, will not be accepted.
2. Pre-selection: determination of compliance with the minimum requirements of the offer.
3. Selection: assessment of the preselected candidates by scoring based on objective criteria.
4. Final decision: in case of finding the right person, the election will be formally communicated to him/her, and the identification of the chosen person will be published on CREAF job openings section.