

## **POST-DOCTORAL RESEARCH ASSOCIATE ON SOIL GEOLOGY AND CHEMISTRY (ref. 16-005-03589)**

CREAF needs to incorporate a post-doc profile to the project SYNERGY GRANT - IMBALANCE (ERC-2013-SyG 610028-IMBALANCE-P, funded by the European Commission). The contract will be part-time (28 h per week), is expected to start in January 2017, and will finish at the end of the tasks required for the project.

### **TASKS**

- Data gathering and meta-analyses of phosphatase activity measurements in natural soils and manipulated conditions.
- Coordination of a global phosphatase activity map using available datasets.
- Inorganic characterization by X-Ray Diffraction including diffractogram interpretation of the Guyana soil collection in a gradient of P availability.
- Determination of the effects of global change on soil phosphorus cycling using paleoenvironmental records.
- Processing and data analysis.
- Reporting and communication tasks of the project related to his/her working area.

### **REQUIREMENTS**

- Degree in Geology.
- Advanced user of geographic information systems (MiraMon, QGIS, Esri ArcMap).
- Advanced user of statistical software (R software).
- Demonstrable experience of more than 5 years in the study of soil organic and inorganic chemistry.
- Demonstrable experience of more than 5 years in the study of paleoclimatology and environmental reconstructions.
- Capacity for teamwork.
- Spanish and English spoken and written correctly.

### **ASSESSABLE CONDITIONS**

- Doctoral degree in global change related subject.
- Previous experience in managing large datasets and meta-analyses.
- Previous experience in the study of peat dynamics and chemistry.
- Knowledge of Catalan language.

### **SELECTION PROCESS AND CRITERIA**

The selection process is led by the Main Researcher of the project, and will be overseen by the Management Office and the Human Resources Area of CREAM. This process consists of:

1. Preselection: **candidates should send a CV and a cover letter (max. 500 words) to [laboral@creaf.uab.cat](mailto:laboral@creaf.uab.cat) until 22 December 2016 at 14:00 h., indicating the reference code of the job offer.**
2. Evaluation of candidates by scores based on objective criteria.
3. Final decision: in case of finding the right person, this will be formally communicated to the chosen candidate.