POSTDOCTORAL RESEARCHER ON PHENOLOGY OPTIMALITY MODELING AND ITS LINKS WITH NUTRIENTS AND CLIMATE FOR THE *IMBALANCE-P* PROJECT (ref. 18-032-03589)

CREAF is seeking for a postdoctoral researcher, to join the project SYNERGY GRANT - IMBALANCE (ERC-2013-SyG 610028-IMBALANCE-P, funded by the European Commission). The contract is expected to start in October 2018, and will finish at the end of the tasks required in this position for the project, likely December 31, 2018.

TASKS

The selected candidate will help the IMBALANCE team about:

- Analyzing tree phenological observations data and develop a new optimality framework, to predict spring leaf unfolding of deciduous trees based on environmental variables.
- Developing a phenological module that can be implemented in a terrestrial biosphere model.
- Assessing the effect of such model at the global scale on biogeochemical cycles.
- 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, Matlab).
- Demonstrate experience of more than 5 years in the study and modeling of plant phenology, and optimality theories.
- Demonstrate experience in terrestrial biosphere modeling.
- Proved knowledge in programming (FORTRAN, Python).
- Capacity for teamwork.

ASSESSABLE CONDITIONS

- Experience in High Performance Computing and use of computer clusters.
- Experience in working with remote servers.
- Experience in remote sensing products analysis.
- Written and spoken English.

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 consist 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 September 25, 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 suitable 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.