



We seek a **post-doctoral candidate** with an outstanding research record in movement ecology to work on an interdisciplinary project aimed at understanding the drivers and consequences of individual and social movements of free-ranging mountain cows in an alpine ecosystem. The candidate should be well-versed in working with (GPS) tracking data, GIS tools (e.g. satellite images and analysis), and movement ecology modelling. A solid background in behavioural ecology, population dynamics, social networks, and/or complex systems would be valued.

The candidate would be involved in studying several goals of the project **VANESSA** (see <http://bit.ly/3xN4NuV>). In short, we are studying a population of free-ranging cows in the Spanish Pyrenees. For the past years, we have collected GPS data of 90 individuals about which we also know their age, reproductive status, and some measure of personality. We will continue to monitor these individuals in the years to come, and combine this data with detailed GIS data and temporal changes in weather. We are particularly interested in understanding: (1) what processes can explain the movements of cows during the transhumance (the ~200km move from lowlands in winter to the Pyrenees in spring) and what factors influence leadership and social conformity during this migration proxy, (2) how individuals move through the mountainous habitat and track foraging resources and how this is shaped by individual (e.g. personality, age) and social processes, (3) how individuals use stable roosting sites depending on the use of memory (re-location and exploration), and (4) the movement patterns of cows at different temporal scales, from daily fluctuations to seasonal changes, as well as the role of sudden impactful events (e.g. strong thunderstorms, predator events).

**We offer a 1-year post-doc contract** (potentially extended **to an extra year** in project [SLEEP](#) on social prospecting and metapopulation dynamics) in an international, young and vibrant department with an excellent scientific track record. The candidate will work with the PI of the project, Daniel Oro, and other senior scientists at the [TheSLab](#) (Jolle Jolles and Frederic Bartomeus). The lab belongs to the EcoEvoChange research group focused on the eco-evolutionary responses of animals to global change.

The gross annual salary will be 39.134€ including all benefits of the Spanish Public Health and Social Security systems. There is no teaching associated with the contract.

Review of applications will be accepted on a rolling basis and continue until filled, and the contract would start as soon as possible (likely around **early October 2023** and not later than **December 2023**).

For more information, please contact Prof. Daniel Oro ([d.oro@csic.es](mailto:d.oro@csic.es)). Applicants are requested to send their expression of interest electronically in a single PDF file.

**Applications** should include **(1)** a cover letter, **(2)** a CV (maximum 2 pages), **(3)** contact details of up to three references.