

Announcement for 1 post-doctoral research position:

Landscape Ecology and Connectivity Modelling

The Applied Population and Community Ecology Research Group (CIBIO/INBIO, University of Évora) is opening call for 1 post-doctoral research fellowship in the field of Landscape Ecology and Connectivity Modelling, in the framework of the projects coordinated by Prof. António Mira.

Background

Over the last decades the strong development of terrestrial transportation infrastructures (e.g. roads and railways) changed Earth landscapes, promoted large scale habitat fragmentation, created artificial barriers to movement of many organisms and increased non-natural mortality.

What are the better and most affordable approaches to build realistic maps of landscape permeability to movement and use these maps to plan transportation corridors and define the location and design/adaptation of mitigation structures? How can ecological needs of different taxa be incorporated in multitaxa landscape connectivity maps? These will be the main questions to be addressed in the framework of the available position.

Scientific Areas: Biological Sciences; Environmental Sciences or Geographic Sciences

Required background and skills

- Strong background in GIS modelling;
- Large experience in data analysis with R;
- Driver license.
- Publications in internationally refereed journals.

Other preferential skills for admission

- Fluency in Portuguese writing and speaking (Technical reports are written in Portuguese)
- Experience in landscape ecology, connectivity modelling, (e.g. network/graph theory, current flow/circuitscape) and spatial scaling
- Availability to work at night and weekends, if needed

Working Plan

The candidate will be involved in modelling landscape connectivity in Mediterranean landscapes and across transportation corridors, producing technical reports, writing scientific papers, managing and updating of the project GIS and database and occasionally support/perform field work to update cartography or species occurrence data.

Legislation

The Research Fellowship will be implemented by a contract between the University of Évora and the fellow pursuant based on the Regulation of Research Scholarships of the University of Évora (Service Order No. 1/2011), Statute of Research Fellow Science



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(Law no. 40/2004 of 18 August and decree-Law No 202/2012 of 27 August) and in accordance with the rules and regulation of Advanced Training and Human Resource Qualification of FCT.

Working Place

The post doctoral researcher will be associated with the Applied Population and Community Ecology Research Group at CIBIO – Évora, under the supervision of Prof. António Mira. Working place will be at the University of Évora/Mitra

Duration

Starting date: June 2015,

Duration: 6 months with possible renewal till 18 months.

Stipend

The amount of the grant corresponds to 1495 € per month plus social security according to the scholarships value table of FCT, I.P. in the country (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>), with payments made monthly by check or wire transfer. The stipend value is free from taxation.

Selection Criteria: Evaluation will be based mostly on CV evaluation (100%). However, a live interview aiming final candidate selection may be needed for a subset of candidates that fulfil the background and skills required for the grant. If interviews will be needed, evaluation will be based on CV (50%) + interview (50%). The jury may decide not to award the grant if no candidate fulfils the requested skills.

Jury Composition

Chair: Prof. António Paulo Pereira de Mira

1st Member Vogal – Dr. Francisco Manuel Ferraria Moreira (INBIO/ISA)

2nd Member– Dr. Sara Maria Lopes Santos

1st Alternate – Dr. Ricardo Miguel Cardoso Pita

2nd Alternate – Dr. Doutor Diogo André Alagador

Deadline for application and presentation of applications

The call will be open from the 8th May to 22th May 2015 and the selection results will be published until 27th May 2015.

Application: Applications should sent to the following by email: amira@uevora.pt. The email should be endorsed to Prof. António Mira and include in the subject the following text: “Application to REFER Post-Doctoral Landscape Ecology Grant – 2015”. The application must include a cover letter (in English) explaining why you think you are an adequate candidate for the grant, a short CV (please no more than 5 pages), and the names and contacts of two senior faculty researchers that can provide a reference for you.

Please NOTE: The final approval and beginning date of the grant is dependent on conclusion of the signature of the contract between REFER and University of Évora, which is currently ongoing and on receipts of the financial dues included on it.