Research fellowship on Implementation of the Precision Fish Farming approach in land-based farms - Università Ca’ Foscari Venezia
(Italian law 30 December 2010, n.240, art. 22)

The present document in English is to be considered as a mere summary of the main provisions of the notice of competition which is available in Italian at the following [link]. The text in Italian is the official text of the notice of competition for all legal intents and purposes and, in the event of non-conformity with the present document, it shall prevail.

Description
The Department of Environmental Sciences, Informatics and Statistics at Università Ca’ Foscari Venezia invites applications for a post-doc fellowship in:

TITLE: Implementation of the Precision Fish Farming approach in land-based farms
SSD: BIO/07
Tutor: Prof. Roberto Pastres
Duration: 12 months
Abstract: The main goal of the research is the development and application of a dynamic integrated model for implementing the Precision Fish Farming approach in managing rainbow trout (Oncorhynchus mykiss) and European seabass (Dicentrarchus labrax) land-based farms. The model will support farmer decisions, aimed at optimizing both oxygen supply and feed management, with respect to water quality variables such as temperature, dissolved oxygen and suspended solid concentrations. This approach, besides reducing costs, will also allow the decrease in the environmental impact of land-based aquaculture.

The research may be carried out in English.
The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Università Ca’ Foscari Venezia.

Who can apply
Prospective candidates are expected to hold a master’s degree in Environmental Science, Environmental Engineering, Physics, Statistics or related disciplines.

Ca’ Foscari encourages applications from researchers with positive evaluation in all the criteria in individual proposals such as Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar. Researchers having successfully completed Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar funded projects are warmly encouraged to apply.
Duration of contract: 12 months, approximately starting: April 2020.
Stipend: The research fellowship amounts to 23,367,00 Euros per year, including taxes and social charges.

Deadline for submission of applications: 24/03/2020, 12.00 noon.

How to apply:
Candidates should submit:
1. The application form;
2. A motivation letter (max 1 page) along with their CV in European format, duly dated and signed, both to enclosed as a one single.pdf file. (link)
3. A copy of a valid identity document (either Identity Card or Passport);
4. (If available) Evaluation Summary Reports of Marie Skłodowska Curie Actions - Individual Fellowships/ ERC Starting Grants/FIRB (Italian Fund for basic research investments)/ SIR (Scientific Young Independence Research) individual proposals having passed all the evaluation thresholds;
5. (If available) Details of Marie Skłodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects;
6. All documents, qualifications and publications relevant for the selection procedure (please, see the notice link).
All the schemes of the quoted documentation are available on the website (link).

How to submit your application
Applications should be submitted by the online procedure, available on the notice webpage (link)

Or submit here: https://static.unive.it/domandeconcorsoen/accesso/dais2020pastres2

The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of his/her application.
The candidate if necessary could access the procedures for updating any data and materials by the link provided by the e-mail, in any case any updates must be made no later than the deadline 24/03/2020,12.00 noon.
Please note that the University can be contacted for any support needs by the candidate until 24 hours prior to the deadline.
Please note that in case of an high number of applications and / or weight of the materials loaded by the candidates the system might become slower, Therefore it is suggested not to start the process close to the deadline.

NB: the University does not take on responsibility for wrong or late communication of addresses, nor for any communication problem not depending on the University.
Evaluation

Up to 100 points, specifically:
For qualifications, publications and possible tests, from 0 to 60;
For interview, from 0 to 40.

Selection procedure

The interview will be on 26/03/2020 h 15.00 at the Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University of Venice, - Scientific Center – Alfa Building – 3° floor study Prof. Roberto Pastres - Via Torino, 155 – Mestre (Venice).
The short-list of the candidates admitted to the interview will be available on 26/03/2020 h 12.00 study Prof. Roberto Pastres.

The interview:

The interview questions will cover:
- Dynamic Systems and their application in modelling ecological processes
- Data assimilation methodologies
- Coding
- Good knowledge of English
- Good knowledge of Italian (in case of foreign candidates)

Candidates living farther than 200 Kms from Venice may ask to hold a telematic interview.

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following (link) For further information please contact Prof. Roberto Pastres - email: pastres@unive.it - 041 234 8674

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Venice,

Il Direttore del Dipartimento di
Scienze Ambientali, Informatica e Statistica
Prof. Antonio Marcomini
digital signature