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

**TITLE:** Cholera transmission and migration around lake Chad.

**SSD:** ICAR 02

**DURATION:** 12 months

**Objectives:** The research aims at identifying the most relevant transmission mechanisms of cholera (e.g. local factors, human mobility, migration) in West Africa analyzing a detailed, spatially-explicit epidemiological dataset of cholera prevalence in Niger for the period 1994-2016.

The research may be carried out in English.

The fellowship is intended to provide the successful candidate with the opportunity to pursue his 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 Civil or Environmental Engineering, Environmental Sciences, Physics, Mathematics, or other degrees developing similar expertise in mathematical modelling.

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 within the 31/12/2017 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 2018.

**Stipend:** The research fellowship amounts to 19,367,00 Euros per year, including taxes and social charges.

**Deadline for submission of applications:** 29/03/2018 h. 12,00 a.m. (Rome CET).

**How to apply:**
Candidates should submit:
1. The application form;
2. A CV in European format, duly dated and signed;
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:**

**Link:**

http://static.unive.it/domandeconcorso-en/accesso/dais0903bertuzzo

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 29/03/2018 h.12,00 a.m. (Rome CET).

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 held in any case on 30/03/2018, h. 12,00 a.m. (Rome CET) at the Department of Environmental Sciences, Informatics and Statistics, Ca’ Foscari University of Venice, - Scientific Center, Alfa Building - 3° floor - Prof. Enrico Bertuzzo office, Via Torino, 155 – Mestre (Venice).

Any postponement, will be published on the University’s webpage ([link]).

Candidates will be required to demonstrate the following skills, knowledge and expertise:

**The interview:**

- Continuous mathematical models: systems of ODE, steady states, stability. Individual based/agent models.
- Geographic information system.
- Verification of knowledge of Italian language for foreign candidates.
- Verification of knowledge of English language.

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. Enrico Bertuzzo– email: enrico.bertuzzo@unive.it
Rep. 204/2018
Prot. 14495/III-13
Venice, 09/03/2018

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