

Decision of the Department of Environmental Sciences, Informatics and Statistics
Rep. 801/2021
Prot. 72502/2021
28/06/2021

Call for n. 1 Short Research Fellowship - Ca' Foscari University of Venice– Department of Environmental Sciences, Informatics and Statistics

(L. 240 del December 30th 2010, art. 18, DL 19/2012;
Regulations about Short Research fellowships D.R. n. 399 - 04/05/2018 and D.R. n. 1141 - 19/11/2020)

The present document is to be considered as a mere translation of the provisions of the call which is available in Italian at the following: <https://www.unive.it/data/17576/>. 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.

The **Department of Environmental Sciences, Informatics and Statistics** of Ca' Foscari University of Venice, having regard to the resolution of the Decision for Department n. 785/2021, date 25/06/2021, establishing the research programmes for awarding of the short fellowship in **“Analysis and optimization of the vaccination campaign for COVID-19 in Italy”**, lasting 6 months, the amount of the short-term research fellowship is of € 9,683,50 and will be granted in bi-monthly deferred instalments upon statement of the regular implementation of the activity.

Research will involve:

The research work expands on the framework of the numerical modelization of the COVID-19 epidemic in Italy. The epidemiological model considered is a SIR-based compartmental model which describes the transmission dynamics between different risk classes of the population, the spatial evolution of the epidemic and vaccination campaign. In this way, the model accurately reproduces the COVID epidemic at regional level.

The aim of this project is to analyze the impact of the ongoing vaccination campaign and its differences with respect to optimal vaccination strategies that would have minimized the number of cases and/or the number of deaths. To reach this goal, the epidemiological model will be integrated with optimal control techniques.

The expected starting date is indicatively on July 2021.

Deadline: 14/07/2021, 12:00 am

Rules of eligibility - Beneficiaries.

People with Master in mathematics, physics, control engineering, environmental engineering or equivalent foreign qualification, and scientific-professional curriculum suitable for carrying out the research activities provided for in the call for applications.

Applicants must hold all the requisites within the call deadline. The qualifications will be evaluated by a Commission that examines the eligibility and qualifications of the candidates and makes a merit rank of them.

Short Research Fellowships to non-EU citizens.

If a non-EU citizen already living in Italy applies for a Research Fellowship, he must hold a residence permit valid up to the Deadline of the call. Otherwise, the Department undertakes to undergo the procedures for obtaining a residence permit for research activities.

How to apply

Candidates should submit:

1. The application form (http://www.unive.it/nqcontent.cfm?a_id=177416), duly dated and signed.

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2. A CV in European format (<https://www.unive.it/pag/10368/>) duly dated and signed.
 3. A photocopy of a valid identity document (e.g. Identity Card or Passport).
 4. All documents, qualifications and publications relevant for the selection procedure.

How to submit your application

Hard copy of the application should be printed, signed and send to Patrizia Resente: resente@unive.it

Selection procedure

The selection is made by assessment of the scientific-professional qualifications of the candidates, the *curriculum vitae et studiorum*.

The short list will be published on <https://www.unive.it/data/17576/>.

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on <https://www.unive.it/data/17576/>.

For further information, please contact Damiano Pasetto phone + 39 041 234 8442, email: damiano.pasetto@unive.it.

Evaluation Procedure and Commission.

A **Commission** summoned by the Director of the Department, who indicates the President of the Commission and the member taking the minutes, will evaluate the applications.

Evaluation procedure. The Commission defines the general evaluation criteria. The Commission compiles a ranking and specifies the winning applicant, having regard to the score appointed to experience and qualifications, interview and any other test, as specified by the call.

Awarding of the short research fellowship Having received the selection documents, and at the outcome of the checks, the Director approves, by his own decree, the classification and the selection procedure reports and makes them public according to the procedures specified in the Regulation awarding the short research fellowship art. 6 and in the website <https://www.unive.it/data/17576/>. Exclusion is justified in detail in the selection reports which can be accessed in accordance with law 241/90.

The Director of the department at which the research programme will be conducted awards the research fellowship to the winner of the selection procedure, subject to ascertainment of the prescribed requirements. The latter shall accept the award within 7 days from receipt of the communication by signing the relative contract at the competent office of the Department which will establish the terms of and procedures for the collaboration and allocation of the grant.

Grant. 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 Ca' Foscari University of Venice. The tutor coordinates the activities of the Research Fellow and any other research activity within the same program and provides the Fellow with all the information for carrying out the research.

The Department provides the Research Fellow with the needed back-up support such as access to facilities, equipment and administrative services.

The Research Fellowship is not, in any case, considered as an employment contract and the Fellow is not part of the University staff.

The rights for any patentable invention coming from Research Activities belong to the University or entities with which the University has signed (or will sign) specific agreements.