

Research fellowship on “Development of sensors for the analysis of emerging contaminants in lake water”- Università Ca' Foscari Venezia

(Italian law 30 December 2010, n.240, art. 22 and subsequent amendments and additions)

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 Molecular Sciences and Nanosystems at Ca' Foscari University of Venezia invites applications for a fellowship in: “**Development of electrochemical sensors for the analysis of emerging contaminants in lake water**”, Cod. GSD: 03/CHEM-01 Cod. SSD: CHEM-01/A, lasting 12 months, principal investigator, and tutor: prof. Chiara Zanardi, project “ProCleanLakes - Integrated emerging approaches for joint protection and restoration of Natural Lakes”, acronym “SMN.PROCLEANLAKES_HEUROPE ”, CUP: H73C23001630006.

Abstract

The position is part of an international research project, aimed at identifying strategies for the redevelopment of some European lakes. The specific activities required of the research fellow will be the application of analytical methods for the determination of perfluorinated compounds (PFAS), pesticides and microplastics present in lake water and in the development of amperometric sensors for the continuous monitoring of these contaminants.

Who can apply

Prospective candidates are expected to hold a **Master's degree (or equivalent) or equivalent qualification obtained abroad and a professional scientific curriculum suitable for carrying out research activities.**

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.

The following qualifications are considered as evaluation criteria:

- a. holding a PhD;
- b. having completed the attendance of a PhD program, although not having yet obtained the PhD title;
- c. specialization diplomas and attendance certificates at post-graduate specialization courses, obtained both in Italy or abroad, documented research activity in public and private organizations with contracts, study grants or assignments both in Italy and abroad;
- d. research periods carried out abroad to carry out activities related to those covered by the call.

Duration of contract: 12 months, approximately starting in October 2024.

Stipend: The research fellowship amounts to **24.320,38 Euros** per year, including taxes and social charges.

Deadline for submission of applications: 19th August 2024 at 12.00 noon (Rome CET).

How to apply:

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. Declaration on availability to held the interview in remote ([Link](#)) to be send via email at the following address: ricerca.dsmn@unive.it,
7. 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](#)).

Incomplete applications will be rejected.

How to submit your application

Applications should be submitted by the online procedure, available on:

<https://apps.unive.it/domandeconcorso-en/accesso/dsmn-24-zanardi-ar-cleanlakes>

Foreign citizens not yet in possession of the Italian Tax Code can use the following link <https://apps.unive.it/utills/cf/> to obtain a temporary one and be able to proceed with the request.

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 **of 19th August 2024**.

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 the University is closed from the August 12th to 18th.

Please note that in case of a 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.

Topics of the interview:

- hyphenated liquid chromatography – mass spectrometry techniques applied to the analysis of organic contaminants
- amperometric sensors applied to the determination of organic contaminants
- assessment of the Italian language for foreign candidates and/or assessment of knowledge of the foreign language English.

Evaluation

Up to 100 points, specifically for:

- qualifications, publications and possible tests, from 0 to 60;
- interview, from 0 to 40.

Selection procedure

The interview will be on 04/09/2024 at 10:00 a.m.

by remote at the link:

<https://meet.google.com/ngs-savo-hed?hs=122&authuser=0>

The short-list of the candidates admitted to the interview and the related calendar, or any postponement, will be published on the University's webpage on 30th of August 2024. ([link](#)).

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following (<https://www.unive.it/data/28825/link>)

For further information please contact Research Office, email: ricerca.dsmn@unive.it, Ph: 0412348633/8514.

The Head of Department of
Molecular Sciences and Nanosystems
Prof. Maurizio Selva

Responsible for administrative procedure
The Secretary of Department

Mrs. Sonia Barizza