

## Research fellowship on “Biocompatible and dissolvable thin film devices for biomedical applications” –

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 Università Ca' Foscari Venezia invites applications for a fellowship lasting 12 months titled “Biocompatible and dissolvable thin film devices for biomedical applications”, SSD: IINF-01/A - GSD: 09/IINF-01, project PRIN 2022 titled “Biodegradable thin film electronics for massively deployable and sustainable Internet of Things applications”, cod. 2022L4YZS4, CUP: H53D23000490001, and project INTERREG VI-A Italy–Croatia 2021-2027 dal titolo: “Civil Protection Plan Digitalization through Internet of Things Decision Support System based Platform”, acronimo “DIGITAL PLAN”, codice di progetto: ITHR020043, CUP: H75E23000200005, tutor and principal investigator: prof. Giovanni Antonio Salvatore.

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.

### Abstract:

*The position is part of two projects: one national and one European. Both research projects focus on the design and prototyping of biocompatible and (bio)degradable thin film devices and circuits. More specifically, the research will focus on the design and microfabrication of passive components, thin film transistors and circuits on substrates and with biocompatible and degradable materials through standard microtechnology techniques (lithography, etching, thin film deposition etc.) and transfer printing techniques. Furthermore, the devices will have to be characterized from the point of view of static and dynamic behavior. In addition to the technical side, the work also includes a reporting part that consists in writing documents such as deliverables and in presenting the results to the other project partners.*

### Who can apply

Prospective candidates are expected to hold a **Master Degree**, with scientific-professional curriculum suitable for carrying out the 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. PhD graduation;
- b. the completion of attendance of a PhD course pending the awarding of the title;
- c. specialization diplomas and certificates of attendance of post-graduate specialization courses, obtained both in Italy and abroad, the carrying out of documented research activities at public and private entities with contracts, scholarships or assignments both in Italy and abroad;
- c. research periods carried out abroad to carry out activities related to those covered by the call.

**Duration of contract: 12 months**, approximately starting in: **February 2025**.

**Salary:** The research fellowship amounts to **Euro € 20.267,00** per year gross of the recipient, net of the expenses to be sustained by the Provider.

**Deadline for submission of applications: 9<sup>th</sup> January 2025, at 12.00 a.m.(Rome CET)**

**Please note that the University is closed for Christmas holidays from 24/12/2024 to 06/01/2025.**

**How to apply:**

Candidates shall 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](#)); a declaration must be appended in the footnote of the curriculum, pursuant to the Italian DPR 445/2000 and subsequent amendments and additions, that the information provided corresponds to the truth. Moreover, the candidates have to consent to the use of their personal data for the purposes of this selection procedure pursuant to the Italian Legislative Decree 196/2003 and to the EU Regulations 2016/679;
3. The attachments called “obligations and understanding” and “participation and compatibility”;
4. All documents, qualifications and publications relevant for the selection procedure (please, see the notice - [link](#));
5. A copy of a valid identity document (either Identity Card or Passport);
6. (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;
7. (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;
8. Declaration on availability to held the interview in remote ([Link](#)) to be send via email at the following address: [ricerca.dsmn@unive.it](mailto:ricerca.dsmn@unive.it)

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 this link:

<https://apps.unive.it/domandeconcorso-en/accesso/dsmn-12mesi-prin2022salvatore>

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 January 9<sup>th</sup> 2025, at 12.00 a.m.

**If you don't have an Italian tax identification code, please click on "Calculate Italian tax identification code (codice fiscale)", (<https://apps.unive.it/utills/cf>).**

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 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:

- knowledge of micro manufacturing of microelectronic devices;
- knowledge of testing of electronic devices and sensors;
- assessment of the Italian language for foreign candidates;
- assessment of knowledge of the English language.

## 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 January 16<sup>th</sup> 2025, at 10:30 a.m.**

**by remote at the link:**

[meet.google.com/wnv-fjpw-trf](https://meet.google.com/wnv-fjpw-trf)

The list of candidates admitted to the interview or any postponements will be made known on January 13<sup>th</sup> 2025 through a notice that will be published on the website of this University ([link](#)) and on the web pages required by current legislation.

## 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 the Research Office, email: [ricerca.dsmn@unive.it](mailto: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