



Università
Ca' Foscari
Venezia

Marie Curie Post-doc Positions at Ca' Foscari University of Venice

“Expression of Interest” for hosting Marie Skłodowska-Curie Fellows – Call 2019

1. Interested institution (legal person):

Ca' Foscari University of Venice

2. Department/Centre:

The Department of Molecular Sciences and Nanosystems (DSMN) aims to stimulate research development and scientific education and is characterized by its research in innovative fields.

The scientific research focuses on the most advanced research areas and include renewable energy sources, green chemistry, nanotechnologies and biotechnologies. Developing research themes aimed at sustainability interact well with the local manufacturing bodies and businesses.

3. Position, scientific requirements, topic, scientific panel:

Position:

Post-doc Position

Scientific requirements:

PhD in Biology or Nanotechnology/Nanomedicine

The fellow should have leadership abilities and international experience in research.

The general topics to be covered include: Solid cancers, 3D cultures, molecular pathways, signaling, genomics, oncogene, drug design, small molecules, biocompatible drug delivery systems.

Topic(s):

We are interested in Marie Skłodowska-Curie research proposals covering the following topics:

Development of Bio and nanomaterials in oncology. In collaboration with the National Cancer Center of Aviano and the University of Pisa (Prof. Tiziano Tuccinardi and Carlotta Granchi), the research group is developing new nanopharmaceuticals based on biocompatible materials (e.g. DNA, liposomes, exosomes).

Development of innovative therapies in Oncology. In collaboration with the National Cancer Center of Aviano (Dr. Vincenzo Canzonieri), new biomolecular and cellular approaches are being developed for the creation of biobanks derived from healthy tissues and tumors from cancer patients. The goal is the development of novel targeted therapies in ovarian and colon cancers.

Selected Publications

- Liposomal delivery of a Pin1 inhibitor complexed with cyclodextrins as new therapy for high-grade serous ovarian cancer. Russo Spina C, De Stefano L, Palazzolo S, Salis B, Granchi C, Minutolo F, Tuccinardi T, Fratamico R, Crotti S, D'Aronco S, Agostini M, Corona G, Caligiuri I, Canzonieri V, Rizzolio F. J Control Release. 2018 May 8;281:1-10. doi: 10.1016/j.jconrel.2018.04.055. PMID: 29746956
- Bottom-up synthesis of carbon nanoparticles with higher doxorubicin efficacy. Bayda S, Hadla M, Palazzolo S, Kumar V, Caligiuri I, Ambrosi E, Pontoglio E, Agostini M, Tuccinardi T, Benedetti A, Riello P, Canzonieri V, Corona G, Toffoli G, Rizzolio F. J Control Release. 2017 Feb 28;248:144-152. doi: 10.1016/j.jconrel.2017.01.022. Epub 2017 Jan 14. PMID: 28093297

Scientific Panel:

- | | |
|---|--|
| <input type="checkbox"/> Chemistry (CHE) | <input type="checkbox"/> Environment/Climate changes (ENV) |
| <input type="checkbox"/> Social Sciences and Humanities (SOC) | <input checked="" type="checkbox"/> Life Sciences (LIF) |
| <input type="checkbox"/> Economic Sciences (ECO) | <input type="checkbox"/> Mathematics (MAT) |



Università
Ca' Foscari
Venezia

□ Information Science (ENG)

□ Physics (PHY)

For further details, see the list of descriptors: http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl-msca-if_en.pdf

4. Contact person:

Prof. Flavio Rizzolio, PhD

Email: flavio.rizzolio@unive.it

5. Deadline and proposal drafting:

Next MSCA-IF Call deadline is **September 11th, 2019**.

Drafting a Marie Curie proposal requires some time to be accurately revised and shared with the supervisor and the research advisors. Please contact us as soon as possible and **no later than May 31st, 2019**.

6. Further information:

Marie Skłodowska-Curie Individual Fellowships – IF: <http://www.unive.it/pag/28536/>

Meet our fellows: <http://www.unive.it/pag/30982/>

Ca' Foscari International Research Office, Individual Funding Unit – mariecurie@unive.it