



Università
Ca' Foscari
Venezia

Global@Venice

Post-doc Fellowship at Ca' Foscari University of Venice

“Expression of Interest” for Global at Venice - call 2021

1. Interested institution (legal person):

Ca' Foscari University of Venice

2. Department/Centre:

Department of Molecular Sciences and Nanosystems @ Ca' Foscari University, Venice

The interdisciplinary department is characterized by many research groups involved in the fields of sustainable chemistry and processes, development of nanomaterials for catalysis and for biomedical applications, synthesis of organic compounds for functional materials, characterization of nanomaterials for energy and catalysis, theoretical modelling, and artificial intelligence.

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

Position:

Post-doc Position

Scientific requirements:

PhD in chemistry with solid knowledge in organic synthesis and spectroscopical methods for characterization of new products like nuclear magnetic resonance and mass spectroscopy. The fellow should have experience in weak intermolecular interactions and supramolecular recognition phenomena.

The fellow should have leadership abilities, attitude for teamwork, international experience in research, high curiosity, and a proactive approach to research.

Topic(s):

We are interested in proposals in one of the following Scientific Panels covering the following topics:

- 1) Development of confined reactions and catalytic systems for enzyme mimics
- 2) Development of new designer surfactants (also chiral) for sustainable catalysis in water
- 3) Development of bisphosphonate molecules for osteoporosis treatment and for nanoparticle functionalization
- 4) Development of new concave aromatic scaffolds for supramolecular applications

Scientific Panel:

X PE - Physical Sciences and Engineering

LS - Life Sciences

SH - Social Sciences and Humanities

4. Contact person:

Prof. Alessandro Scarso

Email: alesca@unive.it

<https://www.unive.it/data/persone/5591247>