



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 (DSMN)

This department is composed mainly by experimentalists whose research is at the interface of chemistry and nanomaterials with a strong focus on the H2020 Pillars, including development of green chemical processes and of sustainable chemicals and materials.

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

##### Position:

Post-doc Position

##### Scientific requirements:

PhD in Chemistry, Green organic Synthesis, Valorisation of biobased platform chemicals (BBPCs)

The fellow should have strong background in green organic synthesis, flow methods, multiphase catalysis, organo-catalysis, spectroscopic characterization techniques aimed to the design of innovative protocols for the chemical upgrading of biobased platform chemicals mainly of the class of sugars and derivatives, furanics and terpenes.

The fellow should have strong leadership and teamworking abilities, research independence, and a strong international experience.

##### Topic(s):

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

- 1) Design of task-specific heterogeneous and homogeneous catalysts, both metal- and organo-based systems, for batch and flow conversion of BBPCs.
- 2) Development of green multi-bond forming processes, such as domino (or cascade) reactions and green multicomponent reactions (MCRs) for the valorization of BBPCs, with high step-economy, atom-economy and waste prevention.
- 3) Technology-driven optimization of synthetic protocols and green metrics quantification.

##### Scientific Panel:

PE - Physical Sciences and Engineering

LS - Life Sciences

SH - Social Sciences and Humanities

#### 4. Contact person:

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