



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Patrick Da Costa
<b>Supervisor page</b>	<a href="https://hal.science/search/index/?ga[authIdHal_s]]]=patrick-da-costa">https://hal.science/search/index/?ga[authIdHal_s]]]=patrick-da-costa</a>
<b>Host Institution</b>	Sorbonne Université <a href="https://www.sorbonne-universite.fr/en">https://www.sorbonne-universite.fr/en</a>
<b>Research Lab</b>	Institut Jean Le Rond d'Alembert <a href="http://www.dalembert.upmc.fr/ijlrda/">http://www.dalembert.upmc.fr/ijlrda/</a>
<b>Research Team</b>	Combustion, Energies Propres et Turbulence <a href="http://www.dalembert.upmc.fr/frt/">http://www.dalembert.upmc.fr/frt/</a>

#### Project Title

Design of lowcost ecocatalysts for thermal CO<sub>2</sub> reduction to fine chemicals and fuels

#### Project Description

The project is dedicated to the design of low cost materials for CO<sub>2</sub> utilization. The design of these ecocatalysts will take into consideration the use of energy, of natural resources such as water or other solvents for the synthesis. The use of waste materials from EU will be also taken into consideration. The activity and the stability and the energy cost during the thermal reaction CO<sub>2</sub> to X will be studied and optimized.

#### Keywords

waste materials , CO<sub>2</sub> to X, eco-design

#### Description of the Host Research Lab

The Institut Jean Le Rond d'Alembert (d'Alembert) is a research laboratory dedicated to expanding the field of knowledge in all areas of Mechanics, Acoustics and Energy.

To submit your application, please send an email with the required documents to  
[msca-pf@sorbonne-universite.fr](mailto:msca-pf@sorbonne-universite.fr)