



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

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|-------------------------|---|
| Supervisor | David Portehault |
| Supervisor page | https://lcmcp.science/pages-personnelles/david-portehault/ |
| Host Institution | Sorbonne Université https://www.sorbonne-universite.fr/en |
| Research Lab | Laboratoire de Chimie de la Matière Condensée de Paris https://lcmcp.science/ |
| Research Team | Novel Advanced Nano-Objects https://lcmcp.science/nano/ |

Project Title

Design of original inorganic nanostructured solids for electrocatalysis

Project Description

We will explore inorganic materials combining controlled nanostructures and original chemical compositions and crystal structures, among p-block element, mixed anionic and intermetallic compounds. We work at the edge of solid-state chemistry, nanochemistry and energy research. The focus will be adjusted with the candidate, from inorganic synthesis, possibly assisted by artificial intelligence, to colloidal synthesis, structural characterization, electrochemical water splitting and CO₂ reduction.

Keywords

nanocrystals, solid-state chemistry, synthesis

Description of the Host Research Lab

The LCMCP is a well-known figure in the development of inorganic or organic-inorganic hybrid functional materials, and in the evaluation of their physico-chemical properties at different scales. These materials target applications with high societal impact, particularly in the fields of energy, health and the environment.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr