



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Camille Scalliet
<b>Supervisor page</b>	<a href="https://camillescalliet.github.io/">https://camillescalliet.github.io/</a>
<b>Host Institution</b>	Centre National de la Recherche Scientifique (CNRS) <a href="https://www.cnrs.fr/en">https://www.cnrs.fr/en</a>
<b>Research Lab</b>	Laboratoire de Physique de l'École Normale Supérieure <a href="https://www.lpens.ens.psl.eu/">https://www.lpens.ens.psl.eu/</a>
<b>Research Team</b>	Classical and quantum many-body systems <a href="https://www.lpens.ens.psl.eu/research/phystat/equipe-18/">https://www.lpens.ens.psl.eu/research/phystat/equipe-18/</a>

#### Project Title

Disorder-controlled nanofluidic transport

#### Project Description

Nanofluidics explores fluid transport at the nanoscale, holding potential for sustainable technologies. However, the molecular factors driving such flows remain unclear, with interfacial effects playing a key yet poorly understood role. This project introduces disorder as a tool to probe and control liquid-solid friction, leveraging the disordered nature of liquids, as well as exploring amorphous confining materials. Combining advanced numerical simulations and theory, this project will deepen o

#### Keywords

nanofluidics, numerical simulations, statistical physics

#### Description of the Host Research Lab

The Laboratoire de Physique de l'École Normale Supérieure is an interdisciplinary fundamental research laboratory in physics and its interfaces. The laboratory's scientific activities cover a vast exploratory field in fundamental or applied physics, experimental or theoretical, and are organized into six axes: Astrophysics, Biophysics, Fluids and Interfaces, Fundamental Interactions, Quantum Materials and Devices, Statistical Physics.

To submit your application, please send an email with the required documents to  
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