



Postdoctoral Fellowships

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CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Rodrigue Lescouëzec
Supervisor page	https://www.lescouezec.com/
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Paris Institute of Molecular Chemistry https://ipcm.fr/en/en-the-institute/
Research Team	Molecular materials and spectrocopies https://ipcm.fr/index.php/en/en-research/en-presentation-ermmes-group/

Project Title

Molecular Materials for Thermoelectric Generators

Project Description

This research project aims to study and adapt molecular materials for use in thermoelectric generators. We seek to better understand the efficiency of our materials in converting heat into electrical energy. The project will involve synthesizing new molecular compounds, characterizing their thermoelectric properties, and optimizing their performances. The ultimate goal is to develop cost-effective and environmentally friendly thermoelectric materials for sustainable energy applications.

Keywords

molecular materials, thin films, thermoelectricity

Description of the Host Research Lab

The IPCM (Institut Parisien de Chimie Moléculaire/Parisian Institute for Molecular Chemistry) is a joint research unit between Sorbonne Université and CNRS (Centre National de la Recherche Scientifique). The expertise in molecular chemistry in the broadest sense, the great diversity of the teams and the laboratory's high-performance technical platforms lead to research ranging from the structuring of matter on a molecular scale to materials, involving know-how in inorganic and organic chemistry, polymer science, nanoscience, and even the interfaces with biology. The scientific results of the IPCM, in relation to the major societal challenges, have an impact on fields ranging from health, the environment and new energies to information technologies.

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