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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Chrystèle Sanloup
Supervisor page	https://impmc.sorbonne-universite.fr/fr/equipes/mineralogie-petrologie-et-physique-planetaire-mp3/liste-des-membres/membres-permanents/chrystele-sanloup-responsable.html
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Institute of Mineralogy, Physics of Materials and Cosmochemistry https://impmc.sorbonne-universite.fr/en/index.html
Research Team	Minéralogie, Pétrologie et physique planétaire https://impmc.sorbonne-universite.fr/fr/equipes/mineralogie-petrologie-et-physique-planetaire-mp3.html

Project Title

Heavy noble gases under pressure: from Earth to materials sciences

Project Description

The objectives here are to bring an experimental mineralogy approach and our knowledge of xenon reactivity with oxides at high pressure (P) and temperature (T) conditions to propose new routes for the synthesis of heavy noble gas compounds while exploring their retention in geological contexts. The methodology will rely on the combined use of high P-T apparatuses and in situ probes (X-ray diffraction, Raman and infra-red spectroscopies).

Keywords

mineral physics, noble gases, material sciences

Description of the Host Research Lab

The Institute of Mineralogy, Physics of Materials and Cosmochemistry (IMPMC) is a multidisciplinary institute of physics, earth sciences and biophysics-bioinformatics, located in the heart of Paris within Sorbonne University and the National Museum of Natural History.

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