



Postdoctoral Fellowships

MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Ludovic Bellot-Gurlet
Supervisor page	https://www.monaris.cnrs.fr/contact/ludovic-bellot-gurlet/
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	De la Molécule aux Nano-objets : Réactivité, Interactions et Spectroscopies https://www.monaris.cnrs.fr/
Research Team	Nanomatériaux et matériaux nano-structurés : Réactivité, Caractérisation et spectroscopies https://www.monaris.cnrs.fr/2-narcos/

Project Title

Physico-chemistry of Cultural Heritage materials and objects using vibrational spectroscopy

Project Description

Research focuses on ancient materials and objects to develop analytical strategies combining Raman and infrared spectroscopies with X-ray fluorescence for structural and elemental analysis. These approaches can address both archaeological/historical issues (archaeometry), as well as questions in conservation science. The main challenges are to develop essentially non-invasive/destructive analytical strategies, from archaeological/conservation sites (using mobile measurements) to the laboratory.

Keywords

vibrational spectroscopies (Raman, infrared), ancient materials and objects, archaeometry and conservation science

Description of the Host Research Lab

The laboratory's research activities are built on an approach shared by the different teams, based on the development, understanding and characterization, both experimental and theoretical, of nanophase systems, and in particular of chemical bonding in the construction of the organization and reactivity of matter.

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