



# Postdoctoral Fellowships

**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*



## CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Hilton Barbosa De Aguiar
<b>Supervisor page</b>	<a href="https://www.lkb.upmc.fr/opticalimaging/hilton-barbosa-de-aguiar/">https://www.lkb.upmc.fr/opticalimaging/hilton-barbosa-de-aguiar/</a>
<b>Host Institution</b>	Sorbonne Université <a href="https://www.sorbonne-universite.fr/en">https://www.sorbonne-universite.fr/en</a>
<b>Research Lab</b>	Laboratoire Kastler Brossel <a href="https://www.lkb.fr/en/">https://www.lkb.fr/en/</a>
<b>Research Team</b>	Complex media optics <a href="https://www.lkb.fr/opticalimaging/">https://www.lkb.fr/opticalimaging/</a>

### Project Title

Computational microscopy

### Project Description

We integrate synergistically optical and computational innovations, to overcome current limitations in imaging dynamic and heterogeneous systems, contributing to both fundamental understanding and applied methodologies in bio-imaging and materials sciences. Topical areas include deep imaging in scattering media, and high-speed Raman imaging, enabling rapid, molecular-level insights at depth.

### Keywords

computational microscopy, deep imaging, Raman imaging

### Description of the Host Research Lab

Founded in 1951 by Alfred Kastler and Jean Brossel as the Laboratoire de Spectroscopie Hertzienne de l'ENS, the Kastler Brossel Laboratory has established itself as a major player in the field of quantum physics research, as evidenced by its three Nobel Prizes. Today, it has over 200 members spread across three parisian sites and 11 research teams covering a wide range of topics from fundamental tests of quantum physics to their applications.

To submit your application, please send an email with the required documents to  
[mcsa-pf@sorbonne-universite.fr](mailto:mcsa-pf@sorbonne-universite.fr)