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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Anne-Claire Baudoux
Supervisor page	https://www.sb-roscoff.fr/fr/audoux-anne-claire/199
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Adaptation and Diversity in the Marine Environment https://www.sb-roscoff.fr/en/adaptation-and-diversity-marine-environment
Research Team	Ecology of marine plankton https://www.sb-roscoff.fr/en/team-ecomap

Project Title

Shunt or Shuttle: implications of viral infection for ocean

Project Description

Viruses infect approximately one-third of marine microbes at any given time, significantly shaping the diversity and functionality of microbial assemblages. However, their role in modulating the efficiency of the Biological Carbon Pump remains actively debated. This project aims to advance our understanding of how, when, and where viruses short-circuit (via the viral shunt) and/or enhance (via the viral shuttle) carbon export, leveraging both field observations and experimental approaches.

Keywords

viruses, biological carbon pump, virus-microbe interactions

Description of the Host Research Lab

Ecology, evolution and environment constitute the triad of research at the Adaptation and Diversity in the Marine Environment (AD2M) research department. The main objective of the department is to study the populations, species and communities that populate the world's seas and oceans to understand their functioning, their diversity and their fate.

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