

# Climate change microbiology 2025

## Monday December 15<sup>th</sup> — Microbes of past climates

09:00-10:15	<b>Alice Lebreton</b> (IBENS)	Introduction to the week
10:30-12:00	<b>Nicolas Rascovan</b>	A journey through a genetic time machine: a microbial perspective on past and future climate change
13:30-15:00	(Pasteur Institute)	
15:15-17:00	<b>Alice Lebreton</b> (IBENS)	Workshop — Investigating the dynamics and activities of microbial communities in the context of climate change.

## Tuesday December 16<sup>th</sup> — Climate, microbes and carbon flow

09:00-12:00	<b>Corentin Clerc</b> (LOCEAN-IPSL, Sorbonne Université)	Oceanic plankton and the carbon cycle in the context of climate change
13:30-16:30	<b>Samuel Abiven</b> (CEREEP)	Land microbial ecosystems and carbone storage

## Wednesday December 17<sup>th</sup> — Climate-driven evolution of microbial communities

09:00-12:00	<b>Alice Lebreton</b> (IBENS)	Evolution of interspecies interactions under climate pressure
13:30-16:30	<b>Laurent Philippot</b> (INRAE Dijon)	Impact of climate change on soil ecosystems & feedbacks

## Thursday December 18<sup>th</sup> — Infectious threat in a changing world

09:00-12:00	<b>Alice Lebreton</b> (IBENS)	Human infectious diseases in a disturbed climate; Climatic pressure on pathogen evolution and spread
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*Free afternoon*

## Friday December 19<sup>th</sup> — Microbes as remediation perspectives against climate change?

*Exam: Scientific symposium and debate between students acting as experts who are questioned to convey the state of the art and inform public policy*

In this framework, each student will present research from a research article related to the topic.