



Symposium on Cellular Underpinnings in Host-Microbe Crosstalk

15-16 May 2025 | Lecture Hall 5-1.213/1.214

Host-microbe interactions are often studied at molecular or organismal levels, but the intricate dynamics at the cellular interface remain underexplored. Yet, host cells and their surfaces serve as key sites for the initial contact, adhesion, and selection of microbes, playing a central role in maintaining homeostasis in metaorganisms. At this interface, host-microbe specificity is either upheld or overridden, ultimately determining whether interactions are established and maintained.

This symposium highlights how cutting-edge approaches, such as single-cell atlases, enhanced single-cell proteomics, and high-resolution spatial imaging, which offer unprecedented insight into cellular processes, are reshaping our understanding of host-microbe interactions, one cell at a time.



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