

ACME Seminar

Speaker

Prof. Christian Sieben

Title

Advanced imaging to decipher mechanistic details of zoonotic

When

28.05.2026, 13:00

Where

Lecture Hall Q

Host

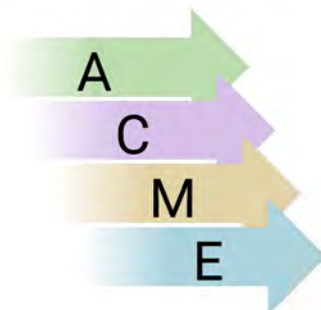
Prof. Dirk Schlüter

About Professor Christian Sieben's Research:

Our group at HZI Braunschweig investigates how respiratory RNA viruses interact with host cells, using advanced high- and super-resolution microscopy to study infection at the level of individual viruses, cellular structures and proteins. We are particularly interested in the plasma membrane, which acts both as a communication interface and as a protective barrier against invading pathogens. Respiratory viruses exploit and remodel this membrane during cell entry and the assembly of new infectious particles. By visualizing these processes at the nanoscopic scale, we aim to understand how viruses engage host-cell proteins, how these interactions trigger cellular signals, and how cells interpret and respond to infection.



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***Activation of Cellular
anti-Microbial***