ACME Seminar

Speaker	**Prof. Urs Greber**
Title	**Virus Infection Variability in the Context of Cell States**
When	**26.11.2026, 12:00**
Where	**Lecture Hall Q**
Host	**Prof. Beate Sodeik**

The Greber laboratory has been investigating human viruses, including adenoviruses, rhinoviruses and coronaviruses, and their molecular cell biology processes in cell entry and egress. The lab uses cultured human cells, primary cells, such as blood-derived T cells, lung explant cultures and induced pluripotent stem cell-derived macrophages in combination with state-of-the-art light microscopy and predictive machine-learning from time-resolved and static imaging experiments. Targeted and untargeted high-throughput genetic knock-down and knock-out screens along with small compound interference tests sample the entire replication cycle and identify critical host factors supporting or antagonizing viral infections. Emerging concepts of importance are the molecular mechanisms of infection variability, and the cell states underlying lytic, persistent and abortive infections. These analyses inform on the mechanisms of rare infection phenotypes, such as non-lytic virus transmission, and underpin anti-viral strategies.



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Activation of Cellular anti-Microbial

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