

Invitation

Guest lecture - Microbiology Seminar Series, Institute of Microbiology:

“Role of megaplasמידs in pathogen emergence: Transcriptional impact of pCER270 megaplasמיד transfer on various *Bacillus cereus* group hosts.”

Dr. Alicia Nevers

Microbial Genetics and Environment Unit, MICALIS Institute, INRAE - French National Research Institute for Agriculture, Food and Environment, Jouy-en-Josas, France.

Wednesday 24th August 2022, 12:15

Lecture Hall M, Building HA at University of Veterinary Medicine Vienna

In her talk, Dr. Alicia Nevers will present first insights into the transcriptional interaction between the essential chromosome genome and an accessory plasmid genome after the horizontal transfer of a megaplasמיד within the *B. cereus* group.

The *Bacillus cereus* group comprises genetically closely related bacteria with a broad variety of ecological niches, life cycles, and hosts. Despite high genome conservation, extra-chromosomal genetic material drastically diverges between the members of this group and even defines species, as e.g. the causative agent of anthrax *B. anthracis* and the biopesticide *B. thuringiensis*. Thus, the *B. cereus* group is an ideal model for studying the impact of megaplasמידs on the emergence of new pathogens through horizontal gene transfers.

Freier Eintritt!

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