



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

MAX VON PETTENKOFER-INSTITUT
LEHRSTUHL MEDIZINISCHE MIKROBIOLOGIE UND
KRANKENHAUSHYGIENE



***The Max von Pettenkofer Institute
Microbiology Seminar Series/Minisymposium Doc@MvPI***

Date: **Wednesday, December 11, 2024**

Time: **3.30 pm (sharp)**

Location: **Lecture Hall MvPI (3rd floor)**

Speaker: Prof. Dr. Rotem Sorek

Weizmann Institute of Science, Israel
and Humboldt Fellow, LMU Munich



Title: The immune system of bacteria: Beyond CRISPR

The arms race between bacteria and phages led to the development of sophisticated antiphage defense systems. A flurry of recent discoveries showed that the microbial pan-genome contains over 100 defense systems whose function was so far unexplored. The talk will present progress in understanding the mechanisms of action of new defense systems, will highlight cases in which bacterial defense from phage gave rise to key components in the eukaryotic innate immune system, and will demonstrate how phages evolved to overcome bacterial immunity.

Host: Prof. Dr. Christine Josenhans and Graduate Program Doc@MvPI

This Seminar is registered by BLA EK (Bayerische Landesärztekammer) and authorized with 1 Training Point (Fortbildungspunkt).

Medical course leader: Prof. Dr. med. Sebastian Suerbaum
Max von Pettenkofer Institute, Pettenkoferstr. 9a, 80336 Munich