## Time-resolved structural analysis of the rifampicin ADP-ribosyltransferase ARR

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Mycobacterium abscessus expresses an ADP-ribosyltransferase (ARR) responsible for the inactivation of rifampicin, a commonly used first-line antibiotic to treat M. tuberculosis. In bioinformatics studies orthologues of this protein have been found across different microbial genera, making this an interesting target. Timeresolved X-ray crystallography will be used to examine the structural changes upon substrate binding and during the catalytic process.

Presenter: VON SOOSTEN, Lea (UKE)

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