Graduate Schools
Infection Immunity and Cancer, UniGe & UniL: CUS
Biology & Medicine, CMU

Seminar in Microbiology

Monday, April 10, 2017

Salle de séminaire, E07.3347.a, CMU

11:30 – 12:30

Christiane Wolz

Institut für Med. Mikrobiologie und Hygiene, Tübingen

The stringent response in *S. aureus*

Recent key publications:

Münzenmayer L, et al., 2016. Influence of Sae-regulated and Agr-regulated factors on the escape of Staphylococcus **aureus** from human macrophages. Cell Microbiol. 18:1172-83.

George SE et al., 2015. Phenotypic heterogeneity and temporal expression of the capsular polysaccharide in Staphylococcus **aureus**. Mol Microbiol. 98:1073-88.

Kästle B, et al., 2015. rRNA regulation during growth and under stringent conditions in Staphylococcus **aureus**. Environ Microbiol. 2015 Nov;17(11):4394-405.

Schröder W 2014. Altering gene expression by aminocoumarins: the role of DNA supercoiling in Staphylococcus **aureus**. BMC Genomics. 15:291.

Geiger T, **Wolz C** 2014. Intersection of the stringent response and the CodY regulon in low GC Gram-positive bacteria. Int J Med Microbiol. 304:150-5.

Geiger T et al., 2014. Two small (p)ppGpp synthases in Staphylococcus **aureus** mediate tolerance against cell envelope stress conditions. J Bacteriol. 196:894-902.

Geiger T et al., 2012 The stringent response of Staphylococcus **aureus** and its impact on survival after phagocytosis through the induction of intracellular PSMs expression. PLoS Pathog. 8:e1003016.

Schröder W et al., 2013. Opposing effects of aminocoumarins and fluoroquinolones on the SOS response and adaptability in Staphylococcus **aureus**. J Antimicrob Chemother. 68:529-38.

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