

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

Seminar in Microbiology

Monday, February 16, 2015

Salle de séminaire 7172, CMU

11:30 – 12:30

Martin Fraunholz

Lehrstuhl für Mikrobiologie
Biozentrum der Universität Würzburg



Phagosomal escape of intracellular *S. aureus*

Martin Fraunholz and his group are studying virulence expression and intracellular survival of *S. aureus*. They are using different methods and applied recently a very powerful high density transposition screening to deconstruct the intracellular life style of this feared pathogen.

References:

Grosz et al., Cytoplasmic replication of *Staphylococcus aureus* upon phagosomal escape triggered by phenol-soluble modulins. *Cell Microbiol.* 2014; 16:451-65

Fraunholz et al., Complete Genome Sequence of *Staphylococcus aureus* 6850, a Highly Cytotoxic and Clinically Virulent Methicillin-Sensitive Strain with Distant Relatedness to Prototype Strains. *Genome Announc.* 2013;1. pii: e00775-13.

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

http://www.mikro.biozentrum.uni-wuerzburg.de/forschung/dr_martin_fraunholz/

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Sandwiches will be offered after the seminar