

Seminar in Microbiology

Thursday, February 2nd, 2017

Salle de séminaire, E07.3347.a, CMU

9:30 – 10:30

Sabine Brantl

Bakteriengenetik
Friedrich-Schiller-Universität Jena



SR1- the first dual-function sRNA from *Bacillus subtilis*: Base-pairing and peptide functions

- Gimpel M, **Brantl S**. 2017. Dual-function small regulatory RNAs in bacteria. *Mol Microbiol.* 103:387-397. Review.
- Grohmann E, Goessweiner-Mohr N, **Brantl S**. 2016 DNA-Binding Proteins Regulating pIP501 Transfer and Replication. *Front Mol Biosci.* 3:42. Review.
- Gimpel M, **Brantl S**. 2016. Dual-function sRNA encoded peptide SR1P modulates moonlighting activity of *B. subtilis* GapA. *RNA Biol.* 13:916-26.
- Müller P, Jahn N, Ring C, Maiwald C, Neubert R, Meißner C, **Brantl S**. 2016. A multistress responsive type I toxin-antitoxin system: bsrE/SR5 from the *B. subtilis* chromosome. *RNA Biol.* 13:511-23
- Jahn N, **Brantl S**. 2016. Heat-shock-induced refolding entails rapid degradation of bsrG toxin mRNA by RNases Y and J1. *Microbiology.* 162:590-9.
- Meißner C, Jahn N, **Brantl S**. 2016. In Vitro Characterization of the Type I Toxin-Antitoxin System bsrE/SR5 from *Bacillus subtilis*. *J Biol Chem.* 291:560-71.
- Brantl S**.. 2014. Plasmid Replication Control by Antisense RNAs. *Microbiol Spectr.* 2:PLAS-0001-2013. Review.
- Brantl S**, Jahn N.. 2015. sRNAs in bacterial type I and type III toxin-antitoxin systems. *FEMS Microbiol Rev.* 39:413-27. Review.
- Brantl S**. 2015 Antisense-RNA mediated control of plasmid replication - pIP501 revisited. *Plasmid* 78:4-16. Review.
- Brantl S**, Brückner R. 2014. Small regulatory RNAs from low-GC Gram-positive bacteria. *RNA Biol.* 2014;11(5):443-56. Review.
- Jahn N, **Brantl S**. 2013. One antitoxin--two functions: SR4 controls toxin mRNA decay and translation. *Nucleic Acids Res.* 41:9870-80.