# April 06.-09.2014 Osnabrück, Germany Metabolism Meets Virulence 2 

## $2^{\text {nd }}$ International Symposium on

 Metabolism and Bacterial Pathogenesis
## Main topics:

Metabolomic profiling of pathogenic bacteria
Modelling bacterial metabolism Global regulation of bacterial metabolism

Adaptation to extracellular lifestyles
Metabolism of intracellular bacteria
Perspectives in bacterial pathogenesis and metabolism

Registration on: www.metabolism-meets-virulence.org


## Preliminary program

8. April 2014, Steigenberger Hotel Remarque

Session 4: Host microbiota and bacterial pathogens
Tyrrell Conway, Oklahoma, USA:
The Restaurant hypothesis of intestinal colonization Dirk Bumann, Basel, CH:
Salmonella metabolism heterogeneity in infected host tissues
Short presentations selected from abstracts and projects of SPP1316

Session 5: Global regulation of bacterial metabolism
Jay C. D. Hinton, Liverpool, UK:
Lag is the forgotten growth phase: What happens during the earliest stage of growth of a bacterial cell?
Jörg Stülke, Göttingen, D:
c-di-AMP an emerging essential secondary messenger that links
nutrient availability to cell wall synthesis
Short presentations selected from abstracts and projects of SPP1316
Varus battleground, Kalkriese

Excursion: Visit of the 'Varus battleground Teutoburger Wald'

Session 6: Regulation of metabolism during host colonization
Kai Papenfort, Princeton, USA:
Conserved and specific functions of the small regulatory RNA SgrS in Salmonella
Andrew Roe, Glasgow, UK:
Sending pathogenic $E$. coli on an acid trip
Short presentations selected from abstracts and projects of SPP1316

John McKinney, Lausanne, CH:
Non-growing but metabolically active (NGMA) phenotypic variants Michael Hensel, Osnabrück, D:

A new view on the intracellular habitat of Salmonella enterica
Short presentations selected from abstracts and projects of SPP1316
Session 2: Adaptation to extracellular lifestyles 2
Andreas Peschel, Tübingen, D:
Nutrient limitation governs Staphylococcus aureus niche adaptation in the human nose
Emanuel Hanski, Jerusalem, Israel
An extracellular bacterial pathogen modulates host metabolism
to regulate its own sensing and proliferation - group A
Streptococcus as a paradigm
Short presentations selected from abstracts and projects of SPP1316

Poster session
9. April 2014, Steigenberger Hotel Remarque

Session 7: Modeling bacterial metabolism during infection Nassos Typas, Heidelberg, D:

From high-throughput approaches to molecular mechanism
Kyu Y. Rhee, New York, USA:
Mycobacterial metabolomics: towards a chemical understanding of essentiality
Short presentations selected from abstracts and projects of SPP1316

Session 8: Future challenges in host-adapted bacterial metabolism Michael Horn, Vienna, A:
The metabolism of host-free chlamydiae
Michael Lalk, Greifswald, D:
Metabolomics insights in infection-related adaptations of Staphylococcus aureus

Conclusion and closing remarks

Registration until 15. March 2014
Full conference package:
(accomodation, meals, social event)
senior scientists 700.- €
students, junior scientists 500.- € (proof of student status required)
75.- $€$ discount for double room

Deadlline for abstract submission:
15. March 2014

