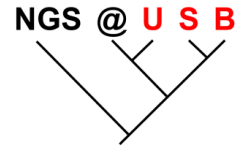# Whole genome sequencing for clinical microbiology
Translation into routine applications

NGS @ U S B

Registration: www.advances-in-microbiology.ch
Date: 2nd September 2017

SCIENTIFIC PROGRAM

10:00-10:05 Welcome
Adrian Egli, University Hospital Basel, Switzerland

10:05-10:30 What the public health specialist can expect from NGS…
Claudio Köser, University of Cambridge, UK

10:30-11:00 What the Hospital Epidemiologist needs to know about NGS…
Sarah Tschudin-Sutter, University Hospital Basel, Switzerland

11:00-11:30 *Mycobacteria tuberculosis* epidemiology and resistance detection by using NGS
Stefan Niemann, German Tuberculosis Reference Center, Germany

11:30-12:00 *Chlamydia trachomatis* evolution and epidemiology
Helena Seth-Smith, University of Basel, Switzerland

12:00-13:00 Lunch break

13:00-13:30 Typing: Taming the beast
Veronika Boskova, ETH Zurich, Switzerland

13:30-14:00 WGS and real time analysis to track and predict pathogen spread
Richard Neher, Biozentrum, Switzerland

14:00-14:30 Typing: Molecular surveillance of MDR in Europe – call for action
Corinna Glasner, University Medical Center Groningen, Netherlands

14:30-15:00 Unmasking antibiotic resistance from WGS data
Matthew Holden, University of St. Andrews, UK

15:00-15:30 Coffee Break

15:30-16:00 Practical quality control for whole genome sequencing in clinical microbiology
John Rossen, University Medical Center Groningen, Netherlands

16:00-16:30 Emerging NGS technologies
Christian Beisel, ETH Zurich, Switzerland

16:30-17:00 Software pipelines: the good, the bad, and the ugly
Joao André Carrico, Medical Faculty Lisboa, Portugal

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