



## PROGRAM

### Wednesday, November 8, 2017

- 10:30 - 11:00 AM** **Welcome Address**
- 11:00 - 12:30 PM** **Point-of-Care-Diagnostic**  
Diagnosis of infections by photonic technologies – Popp J (Keynote)  
Next-generation near-patient biomarker diagnostics – Stückemann T  
Open universal diagnostics platform for global health applications – Becker H  
Lab-on-a-Chip with Incorporated Microarrays for the Detection of AMRs – Peter H
- 12:30 - 01:30 PM** **Lunch / Poster Session**
- 01:30 - 03:00 PM** **Next generation sequencing in diagnostics**  
NGS in infection diagnostics – Barzon L (Keynote)  
Waste water E. coli are multi-drug resistant with pathogenic potential and have an unexpectedly large pan genome harbouring antibiotic resistance genes – Schroeder M  
Rapid nanopore sequencing-based diagnostic platform for blood-stream infections – Sohn K  
Bacterial communities in human heart valves. Towards a new paradigm in infectious endocarditis? – Calvo-Cano A  
Analysis of cell-mediated and humoral immunity in veterinary research – Mabtech AB

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- 03:00 - 03:30 PM** **Coffee Break**
- 03:30 - 04:30 PM** **Commercialization**  
Developments for infectious disease diagnostics – a company perspective – Ehricht R (Keynote)  
Bringing innovative diagnostics into market – Ermantraut E (Keynote)
- 04:30 - 04:45 PM** **Break**
- 04:45 - 06:00 PM** **Nucleic acid based diagnostics**  
The application of isothermal nucleic acid amplification in diagnostics and point-of-care testing – Kersting S  
Combination of classifiers identifies fungal-specific activation of the lysosome genes in monocytes – König R  
Strategies and solutions for sample preparation in the diagnostics of infectious diseases – Sandetskaya N  
Diagnosis and understanding of chronic infections. Remember the biofilm – Rolighed Thomsen T  
Handheld disease diagnosis; science fiction or reality – Kint J
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- 06:00 - 06:15 PM** **Break**
- 06:15 - 07:00 PM** **Evening Lecture**  
Challenges for diagnosis of infectious diseases through globalization – Koopmanns M (Keynote)

from 07:00 PM **Get Together**

### Thursday, November 9, 2017

- 09:00 - 10:30 AM** **Sepsis diagnostics**  
The history and future of sepsis diagnosis – Bauer M (Keynote)  
Clinical evaluation of next-generation sequencing diagnostics of infecting agents in septic patients /// Next-generation sequencing diagnostics of bacteremia in septic patients – Grumaz C  
Detection of carbapenem resistance in Gram-negative bacteria from agar cultures and directly from positive blood cultures using light-scattering method – Idelevich EA  
Transcriptional profiling of innate immune cells in the critically ill to distinguish between sepsis and non-infectious systemic inflammation – Coulibaly A
- 10:30 - 11:00 AM** **Coffee Break**
- 11:00 - 12:00 AM** **Regulatory Issues**  
Regulatory issues and authorization procedures for new diagnostic methods – Sichtig H (Keynote)  
Some carrots and many sticks: Clinical trials in accordance with the new EU-regulation – Hain J
- 12:00 - 01:00 PM** **Lunch / Poster Session**

- 01:00 - 02:30 PM** **Diagnosis of Infectious Diseases**  
Latest findings in ZIKA diagnosis – Schmidt-Chanasit J (Keynote)  
Development of a peptide-based subtyping platform for influenza viruses (FluType) – Hovestädt M  
Chikungunya outbreak investigation in a Cambodian rural community – Long-lasting immunity and cross-protection across diverse genotypes – Auerswald H  
Rapid on-chip detection of chlamydia trachomatis for using loop-mediated isothermal amplification – Kuhlmeier D
- From batch to continuous purification of biomolecules – KNAUER

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- 02:30 - 02:45 PM** **Coffee Break**
- 02:45 - 03:45 PM** **Serology bases diagnostics**  
CTCelect: Fully automated singularization of CTCs from blood for cancer immunotherapy – Schunck T  
Immunoprofiling – basis for serodiagnostics – Neumann T  
Differentiation of dengue and Zika virus antibodies using envelope proteins with mutations in the conserved fusion loop domain – Rockstroh A  
Improved dose decision with comprehensive Diagnostics data – Brand J