



Symposium on Pathogen Evolution

20 - 21 July 2017
at the Zoological Museum Kiel

Thursday 20

- 13:00 Welcome and Opening**
Hinrich Schulenburg, Kiel
- 13:15 Lejla Imamovic**, Lyngby
Collateral sensitivity network outline the path to targeted strategies against resistance
- 14:00 Roderich Römhild**, Kiel
Minimizing resistance evolution with fast-switching antibiotic sequences
- 14:15 Jessica Ojong**, Borstel
Iron-driven host-microbiota coadaptation: an influence factor in *Mycobacterium tuberculosis* infection?
- 14:30 Jamie Winternitz**, Plön
Investigating host-pathogen coevolution in associations between human HLA and *Mycobacterium tuberculosis* genetics
- 14:45 Lutz Becks**, Plön
Sublethal antibiotics in the environment and their role for resistance evolution and stability of microbial communities
- 15:20** Coffee Break
- 16:00 Camilo Barbosa**, Kiel
Evolution of collateral sensitivity and its implications for the treatment of *Pseudomonas aeruginosa*
- 16:35 Ruben Prange**, Kiel
Drosophila as a model to elucidate the molecular pathophysiology of COPD
- 16:50 Martina Kapitza**, Kiel
Science Outreach on Medical Life Science
- 17:05 Jens Rolff**, Berlin
Predicting drug resistance evolution: antimicrobial peptides vs. antibiotics
- 17:50 Summary & group photo**
- 19:00 Dinner @ Steigenberger**

Friday 21

- 9:00 Welcome back**
- 9:05 Michael Bottery**, York
Adaptive modulation of antibiotic resistance through intragenomic coevolution
- 9:50 Aditya Kumar Lankapalli**, Jena
An automated pipeline for detection of recombination patterns in bacteria
- 10:05 Maria Bargués i Ribera**, Plön
Plant-pathogen co-evolutionary dynamics and derived agricultural strategies
- 10:20 Stefan Niemann**, Borstel
Resistance and compensatory evolution of *M. tuberculosis*
- 10:55** Brunch Break
- 11:40 Tal Dagan**, Kiel
Inferring ancestral-descendent relations with minimal ancestor deviations
- 12:15 Leif Tüffers**, Kiel
Rapid adaptation of clinical *Pseudomonas aeruginosa* populations to antibiotic therapy
- 12:30 Maxime Godfroid**, Kiel
Genome-wide evolution of *Mycobacterium tuberculosis*
- 12:45 Niels Jonas Mahrt**, Kiel
Periodic bottlenecks in experimental antibiotic resistance evolution
- 13:00 Sebastien Gagneux**, Basel
Ecology and evolution of human tuberculosis
- 13:45 Conclusion**

Contact KEC

Speaker

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