



1st German Phage Symposium

9 – 11 October 2017, University of Hohenheim, Stuttgart

Preliminary Program (as of July 27th, 2017)

DAY 1 | Monday, 9 October 2017

Registration and Welcome

09:15	Registration			
10:00	Introduction to the Symposium	Wolfgang Beyer, Conference Chair	University of Hohenheim	Germany
10:15	Welcome Address	Heinz Breer, Dean of the Faculty of Natural Sciences	University of Hohenheim	Germany

Session 1: Structure-Function Relationship

10:30	Keynote: Taxonomy, genetic structure and function relationship of phage	Dennis Bamford	University of Helsinki	Finland
11:30	Phage genomics and taxonomy – bringing order into chaos	Johannes Wittmann	DSMZ Braunschweig	Germany
11:50	Tectiviruses infecting members of the Bacillus cereus group	Jacques Mahillon	Université catholique de Louvain	Belgium
12:10	Singularities of bacteriophage T5 structure and infection mechanism	Pascale Boulanger	Institut de Biologie Intégrative de la Cellule, Paris	France
12:30	Lunch			



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13:30	Assembly of the bacteriophage SPP1 viral particle	Paulo Tavares	CNRS Paris	France
13:50	Filamentous phage assembly	Sebastian Leptihn	University of Hohenheim	Germany
14:10	Bacteriophage infection mechanisms related to lipopolysaccharide protein interactions	Stefanie Barbirz	University of Potsdam	Germany

Session 2: Host-Phage Interaction & Evolution of Microbial Communities – Part I

14:30	Keynote: Bacterial immunity – the CRISPR-Cas defense mechanism	Stan Brouns	Wageningen University and Research, Wageningen	The Netherlands
15:30	Coffee break			
16:00	Prophage-host interaction	Julia Frunzke	Forschungszentrum Jülich GmbH	Germany
16:20	Phages of <i>Staphylococcus aureus</i> and their impact on host evolution	Christiane Wolz	University of Tübingen	Germany
16:40	Assess the role of viruses in contaminant biodegradation through metagenomics	Li Deng	Helmholtz Zentrum München	Germany
17:00	Bacteriophages of Shiga toxin producing <i>E. coli</i> – small molecules with high impact	Herbert Schmidt	University of Hohenheim	Germany



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Session 3: Clinical Applications – Part I

17:20	Phage therapy: an alternative to antibiotics?	Hans-Peter Horz	Uniklinik RWTH Aachen	Germany
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18:00 Poster Session & Reception

DAY 2 | Tuesday, 10 October 2017

Session 2: Host-Phage Interaction & Evolution of Microbial Communities – Part II

09:00	Tripartite species interaction: How phage/bacteria co-evolution impacts the virulence on an eukaryotic host	Heiko Liesegang	University of Göttingen	Germany
09:20	Elucidating phage-bacterium interactions that triggers changes in bacterial composition and functional profile in the gut of older adults	Josue Leonardo Castro Mejia	University of Copenhagen	Denmark

Session 3: Clinical Applications – Part II

09:40	Keynote: Phages in medicine	Mzia Kutateladze	Eliava Institute of Bacteriophages, Microbiology and Virology, Tbilisi	Republic of Georgia
10:40	Coffee break			



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11:00	Phage therapy: from treating complications to targeting diseases	Andrzej Górski	Bacteriophage Laboratory & Phage Therapy Center, Polish Academy of Sciences, Wroclaw	Poland
11:20	Application of phage therapy in Mucoviscidosis	Martin Witzenrath	Charité Berlin	Germany
11:40	Application of phage therapy in burn patients – EU Project: Phagoburn	Patrick Jault	Percy Military Hospital in Clamart	France
12:00	Evolution of phage therapy as an alternative option for the treatment of bacterial wound infection	Thomas Rose	Queen Astrid Military Hospital, Att. P.H.A.G.E., Brussels	Belgium
12:20	Efficiency of bacteriophage therapy in children with diarrheal diseases	Karaman Pagavan	Tbilisi State Medical University	Republic of Georgia
12:40	Lunch			

Session 4: Non-Clinical Applications

14:20	Keynote: From genomics to practical application: molecular biology as the basis for the use of phages in detection and control of bacteria	Jochen Klumpp	ETH Zürich	Switzerland
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15:20	Application of lysines as an alternative to bacteriophages (Designer Lysine)	Wolfgang Mutter	HYpharm, Bernried am Starnberger See	Germany
15:40	Characterization of Campylobacter phages and their application	Stefan T. Hertwig	Federal Institute for Risk Assessment (BfR), Berlin	Germany
16:00	Coffee Break			
16:20	Impact of phages in dairy industry	Horst Neve	Max Rubner-Institute, Kiel	Germany
16:40	Reduction of Campylobacter in broiler by phage application	Sophie Kittler	University of Veterinary Medicine Hanover	Germany
17:00	Bacteriophage application in honeybees infected with <i>Paenibacillus larvae</i>	Hannes Beims	Lower Saxony State Office for Consumer Protection and Food Safety, Institute for Apiculture Celle	Germany
17:20	Characterization and applications of bacteriophage-derived peptidoglycan hydrolase enzymes targeting MRSA and antibiotic resistant <i>Clostridium difficile</i>	Aidan Coffey	Cork Institute of Technology	Ireland
17:40	Carrier systems for phages to supplement food systems	Jörg Hinrichs & Meike Samtlebe	University of Hohenheim	Germany

18:00 Poster Session

19:00 Dinner (Speakers & Sponsors only)



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DAY 3 | Wednesday, 11 October 2017

Session 5: Practical Applications and Regulations

09:00	Phage therapy in outbreak situations – experiences from a case study in Bangladesh	Harald Brüssow	Nestlé Lausanne	Switzerland
09:20	Phage intervention in food safety & animal health applications	Steven Hagens	Micreos BV, Wageningen	The Netherlands
09:40	Pros and cons of phage applications	Christine Rohde	DSMZ Braunschweig	Germany
10:00	Coffee Break			

10:30 Panel Discussion

Quo vadis, deutsche Bakteriophagenforschung? (in German)

Moderator: tbc

Dr. Isabelle Bekerredjian-Ding	Paul-Ehrlich-Institut (PEI), Langen
Dr. Joachim Klein	Federal Ministry of Education and Science (BMBF)
Prof. Dr. Andreas Kuhn	University of Hohenheim
Dr. Hansjörg Lehnher	Phage Technology Center (PTC) GmbH, Bönen
Dr. Brigitte Brake	Federal Institute for Drugs and Medical Devices (BfArM)
Dr. Wolfgang Mutter	HYpharm GmbH, Bernried am Starnberger See
Dr. Christine Rohde	Leibniz Institute DSMZ-German Collection of Microorganisms and Cell Cultures, Braunschweig
tbc	Deutsche Forschungsgemeinschaft (DFG)



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Session 6: Small-group Workshops

11:30	Session's purpose: Experts coming together in small groups to find research partners, identify short and medium-term cooperation projects and possible funding sources	<i>Rooms: to be added</i>
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13:00 End of the Symposium

CONTACT

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As of July 27, 2017

For more information, please visit our website:
<https://1st-german-phage-symposium.uni-hohenheim.de>