

**Thursday, October 15, 2015**

**08:00 Registration Opens (Poster Mounting)**

---

**10:00 – 12:00 Plenary Session** *Room Ballsaal*  
*Language English / German*

---

Chair: *Stephan Ludwig*

10:00 Opening Remarks

10:30 **Keynote 1: MERS - a zoonotic disease disguised as a pandemic threat**  
Christian Drosten, Bonn, Germany

11:15 **Keynote 2: Luftgetragenen Mikroorganismen aus der Nutztierhaltung – Umweltmedizinische Risikobewertung aus Sicht der Öffentlichen Gesundheit**  
Caroline Herr, Munich, Germany

---

12:00 *Lunch*

---

13:00 *Poster Viewing Session*

---

**14:00 – 15:30 Session 1:** *Room Ballsaal*  
**Epidemiology and modelling**  
*Language: English*

---

Chairs: *Anton Aebischer and Susanne Röhrs*

14:00 **Highly Pathogenic Avian Influenza H5N8 in Germany: Outbreak investigations**  
**F.J. Conraths**, C. Sauter-Louis, A. Globig, K. Dietze, G. Pannwitz, K. Albrecht, D. Höreth-Böntgen, M. Beer, C. Staubach, T. Homeier-Bachmann

14:15 **Epidemiology and surveillance of acute febrile illnesses in southwestern Tanzania**  
**B. Flach**, C. Mangu, H. Msila, L. Maboko, M. Hoelscher, N. Heinrich, G. Dobler

14:30 **Considering sheep movements when predicting human Q fever cases**  
**S. O. Brockmann**, C. Wagner-Wiening, M. Eichner

14:45 **Assessing the potential health care and economic burden of Chikungunya across Europe**  
**S. M. Thomas**, K. Kaiser, E. Schorling, N. B. Tjaden, C. Beierkuhnlein, K. H. Nagels

15:00 **Distribution of individual members of the *Anopheles maculipennis* complex in Germany known as vectors for zoonotic pathogens**  
**R. Lühken**, C. Czajka, S. Steinke, H. Jöst, J. Schmidt-Chanasit, E. Kiel, A. Krüger, E. Tannich

15:15 **Geographical distribution of Tick-borne encephalitis virus in Central Europe**  
**S. Frey**, S. Eßbauer, G. Dobler

**Thursday, October 15, 2015 Continued**

---

**14:00 – 15:30 Session 2: Pathogen-cell interaction** Room Zehlendorf  
Language: English

---

Chairs: Christian Menge and Linda Brunotte

- 14:00 **NFkappaB signalling pathway inhibition impairs Puumalavirus propagation**  
O. Planz, U. Wulle, C. Hartmayer, P. Witkowski, D. H. Krüger
- 14:15 **TMPRSS11a activates influenza viruses and emerging coronaviruses**  
P. Zmora, A.-S. Moldenhauer, S. Pöhlmann
- 14:30 **The chicken reproductive tract as a possible target tissue for H1N1 and H9N2 influenza viruses**  
H. Sid, S. Hartmann, S. Rautenschlein
- 14:45 **Streptococcus suis affects the replication of swine influenza virus in porcine tracheal cells**  
N.-H. Wu, F. Meng, M. Seitz, P. Valentin-Weigand, G. Herrler
- 15:00 **Quantitative proteomic analysis of protein signatures in permissive vs. non-permissive influenza A virus infections in human host cells**  
A. Sadewasser, K. Paki, K. Eichelbaum, B. Bogdanow, M. Selbach, T. Wolff
- 15:15 **Functional relatedness between the surface glycoproteins of human and bat-derived mumps viruses**  
N. Krüger, M. Hoffmann, M.A. Müller, J.F. Drexler, C. Drosten, C. Sauder, S. Rubin, C. Örvell, G. Herrler
- 

**14:00 – 15:30 Session 3: Risikobewertung** Room Steglitz  
Language: German

---

Chairs: Sandra Eßbauer and Jürgen Rissland

- 14:00 **Impulsvortrag: Risikobewertung neu und wieder auftretender Zoonosen**  
A. Ammon
- 14:20 **Risk of cross-contamination with ESBL E. coli and MRSA during handling of fresh chicken meat in household kitchens**  
A. Fetsch, B.-A. Tenhagen, C. Thoens, Y. Kelner-Burgos, A. Kaesbohrer
- 14:35 **Analysis of environmental factors associated with the success of LA-MRSA in healthcare settings**  
S. van Alen, B. Ballhausen, E.A. Idelevich, R. Köck, G. Peters, K. Becker
- 14:50 **Improving animal health - combining different sets of existing information in a Public-Private Partnership Information System (PPP-InfoS)**  
A. Wendt, D. Meemken, G. Klein, T. Blaha, K. N. Knöll, T. May, L. Kreienbrock
- 15:05 Discussion
- 

15:30 *Coffee Break and Poster Viewing*

---

**Thursday, October 15, 2015 Continued**

---

**16:00 – 17:30 Public Health-Session: Antibiotika – Einsatz und Resistenzen** *Ballsaal*  
*Language: German*

---

Chairs: *Ute Teichert, Jürgen Rissland and Martin H. Groschup*

16:00 – 16:10 Antibiotika-Resistenz-Monitoring in Niedersachsen  
**J. Dreesman**

16:10 – 16:20 Aufgaben der Kommission *Antiinfektiva, Resistenz und Therapie*  
**M. Abele-Horn**

16:20 – 16:40 Bekämpfung von Antibiotikaresistenzen in Tierhaltung und Lebensmittelproduktion  
**B.-A. Tenhagen**

16:40 – 16:55 Antibiotika-resistente Erreger in Deutschland: die Rolle von zoonotischen  
Ansteckungsquellen  
**R. Köck**

16:55 Discussion

---

**17:30 – 19:30 General Assembly National** *Ballsaal*  
**Research Platform For Zoonoses**  
*Language: German*

Chair: *Sebastian C. Semler*

---

**19:30** ***Welcome Reception/Social Dinner*** *Ballsaal*

---

**Friday, October 16, 2015**

**07:30 – 09:00 Young Scientists Breakfast** *Restaurant*

---

**09:00 – 10:30 Session 4: Antimicrobial use and resistance** *Room Steglitz*  
*Language: English*

---

Chairs: *Peter Valentin-Weigand und Robin Köck*

- 09:00 **Potential of Artemisinin derivatives and trioxolanes as anti-Leishmania chemotherapy**  
**S. Cortes**, A. Albuquerque, L. Cabral, L. Lopes, M.L. Cristiano, L. Campino
- 09:15 **Epidemiological relationship of ESBL-/AmpC-producing Enterobacteriaceae in the broiler production chain**  
**M. Projahn**, K. Dähre, P. von Tippelskirch, S. Orquera, T. Alter, A. Friese, U. Rösler
- 09:30 **Identification of the novel oxazolidinone/phenicol resistance gene *optrA* and its distribution in *Enterococcus faecalis* and *Enterococcus faecium* of human and animal origin**  
**J. Li**, A. T. Feßler, Y. Wang, Y. Lv, J. Cai, L.Cui, Z. Hu, R. Zhang, Q. Zhao, T. He, D.Wang, Z. Wang, Y. Shen, Y. Li, C.Wu, H. Yu, X. Deng, S. Schwarz, J. Shen
- 09:45 **Antimicrobial usage in human and veterinary medicine in Germany**  
**F. Lieke**, M. Hemme, L. Kreienbrock
- 10:00 **Spread of antimicrobial resistance in the tropical setting – experiences from Mali**  
R. M. Hagen, **R. Hinz**, S. Priesnitz, H. Frickmann
- 10:15 **The NF- $\kappa$ B inhibitor LG-ASA exhibits anti-pathogenic activity against influenza A virus and *S. aureus* co-infection *in vitro* and *in vivo***  
I.L. Gieselmann, A. van Krüchten, S. Ludwig, **C. Ehrhardt**
- 

**09:00 – 10:30 SESSION 5: Public Health relevant zoonoses** *Room Zehlendorf*  
*Language: English*

---

Chairs: *Martin Pfeffer and Hendrik Scheinemann*

- 09:00 **Ebola Diagnostic Preparedness in Côte d'Ivoire**  
**C. Kohl**, B. Diane, A. Kurth, R. Bärman, D. Bourquain, S. Brödel, M. Collier, H. Ellerbrok, A. Etilé, J. Hinzmann, H. Laraway, A. Meerbach, A. Merckelbach<sup>1</sup>, J. Michel, P. Raab, M. Richter, C. Yue, C. Uhlenhaut, W. Biederbick, F. Leendertz, L. Schaade, C. Akoua-Koffi, F. B. Yapo, A. Nitsche
- 09:15 **Host association of *Leptospira* species in small mammals in Germany**  
**S. Fischer**, A. Mayer-Scholl, N. Kratzmann, E. Heuser, S. Schmidt, U.M. Rosenfeld, K.
- 09:30 **Revelations from vaccination trials against anthrax in large animals: Improvement of diagnostic procedures and practical implications on the predicability of the outcome of an ongoing infection with *B. anthracis***  
**S.M. Koehler**, O.C. Ndumnego, F. Buyuk, O. Celebi, S. Otluc, M. Doganay, M. Sahin, H. van Heerden, W. Beyer
- 09:45 **Infectious MERS-Coronavirus excretion and serotype variability based on live virus isolates from patients in Saudi Arabia**  
**D. Muth**, V. M. Corman, M. A. Müller, B. Meyer, A. Assiri, M. Al-Masri, M. Farah, J. A. Al-Tawfiq, A. Albarrak, Z. A. Memish, C. Drosten

**FRIDAY, OCTOBER 16, 2015 Continued**

- 10:00 **Gorilla adenoviruses: cross-species transmission and recombination**  
E. Hoppe, M. Pauly, G. Schubert, F. H. Leendertz, D. Sébastien-Calvignac-Spencer, B. Ehlers
- 10:15 **Sub-lethal sodium hypochlorite concentrations trigger antibiotic resistance in *S. aureus* in vitro**  
F. Kirchner, A. Feßler, C. Kopetz, M. Reinhardt, S. Schwarz, U. Truyen, S. Speck

---

**09:00 – 10:30 Session 6: New and emerging zoonoses**  
*Language: English*

---

*Room Ballsaal*

Chairs: *Gudrun Wibbelt and Isabella Eckerle*

- 09:00 **Crimean Congo hemorrhagic fever virus neutralizing antibodies in African bats**  
M.A. Müller, S. Devignot, E. Lattwein, V. M. Corman, G.D. Maganga, F. Gloza-Rausch, T. Binger, P. Vallo, P. Emmerich, V. M. Cottontail, M. Tschapka, S. Oppong, J. F. Drexler, F. Weber, E.M. Leroy, C. Drosten
- 09:15 **Discovery of a novel zoonotic bornavirus: A One Health approach of awareness, modern diagnostics and multi-disciplinary networking**  
B. Hoffmann, D. Tappe, D. Höper, Ch. Herden, K. Schlottau, A. Bolt, Ch. Mawrin, O. Niederstraßer, T. Müller, M. Jenckel, E. van der Grinten, Ch. Lutter, B. Abendroth, J.P. Teifke, K. Tauscher, Ch. Fast, S. Herzog, Ch. Frank, K. Stark, D. Cadar, J. Schmidt-Chanasit, R.G. Ulrich, M. Beer
- 09:30 **Identification and functional characterization of TMPRSS2 cleavage sites in the spike protein of SARS-coronavirus**  
L. Reinke, H. Hofmann-Winkler, S. Gierer, M. Winkler, S. Pöhlmann
- 09:45 **Origin and Evolution of Usutu virus, a neglected emerging arbovirus in Europe and Africa**  
D. Engel, H. Jöst, M. Wink, J. Börstler, S. Bosch, M-M. Garigliany, A. Jöst, C. Czajka, U. Ziegler, M. H. Groschup, M. Pfeffer, N. Becker, J. Schmidt-Chanasit, D. Cadar
- 10:00 **Hepatitis E virus genotype 3 induces infection dose dependent incubation times in domestic pigs**  
L. Daehner, J. Schlosser, M. Eiden, A. Vina-Rodriguez, C. Schroeder, A. Groener, W. Schaefer, M. H. Groschup
- 10:15 **Cowpox virus virulence factors - genetic definition and in vivo testing**  
A. Franke, D. Hoffmann, A. Tamošiūnaitė, M. Jenckel, B. Hoffmann, N. Osterrieder, M. Beer

---

10:30 *Coffee Break and Poster Viewing*

---

**FRIDAY, OCTOBER 16, 2015 Continued**

**11:00 – 12:30 Session 7: Innate and adaptive immune response** Room Steglitz  
Language: English

---

Chairs: *Veronika von Messling and Stephan Ludwig*

- 11:00 **Targeted gene deletion in chickens as a powerful tool to dissect immune responses to zoonotic pathogens and vaccination in chickens**  
**B. Schusser**, D. Aumann, M. Laparidou, K. Sutton, Rob Etches, B. Kaspers
- 11:15 **Immunopathology in a new model of haemorrhagic fever caused by hantavirus infection**  
**M.J. Raftery**, L. Kobak, G. Schönrich
- 11:30 **Comparative analysis of Mycobacterium (M.) avium-complex (MAC) infections in a goat model**  
**H. Köhler**, A. Zigan, J. Schinköthe, S. Fischer, P. Reinhold, P. Möbius, E. M. Liebler-Tenorio
- 11:45 **Inhibition of host cell entry of ebolaviruses by interferon-induced transmembrane proteins**  
**F. Wrensch**, C.B. Karsten, K. Gnirß, M. Hoffmann, K. Lu, G. Simmons, M. Winkler, S. Pöhlmann
- 12:00 **Campylobacter jejuni colonization is influenced by genotype and feed composition in chicken.**  
**H. Zifeng**, C. Pielsticker, T. Willer, L. Li, S. Rautenschlein
- 12:15 **Collagen VI harbors antimicrobial properties against oral pathogens**  
**M. N. Langer**, M. von Köckritz-Blickwede, M. Mörgelin
- 

**11:00 – 12:30 Session 8: Novel methods, diagnostics, NGS, and bioinformatics** Room Zehlendorf  
Language: English

---

Chairs: *Karsten Nöckler and Jens Hammerl*

- 11:00 **Development of pen-side methods for quick and easy detection of rabies**  
**K. Schlottau**, E. Eggerbauer, C. Freuling, T. Müller, M. Beer, B. Hoffmann
- 11:15 **Detection of zoonotic bacteria in food by fluorescence in situ hybridization**  
**A. Röhde**, J.A. Hammerl, B. Appel, R. Dieckmann, S. Al Dahouk
- 11:30 **Analysis of vaccine-induced rabies cases using deep sequencing**  
**F. Pfaff**, C. Freuling, T. Müller, M. Beer, T. C. Mettenleiter, D. Höper
- 11:45 **Comparison of the infection of porcine precision-cut lung slices by porcine influenza virus H3N2 and porcine respiratory coronavirus PRCoV**  
**T. Krimmling**, C. Schwegmann-Weßels
- 12:00 **Microevolution of Burkholderia mallei studied during a deliberate infection within its natural host**  
**E. Georgi**, U. Wernery, M.H. Antwerpen, R. Werner, H.C. Scholz
- 12:15 **Separation of foreground and background reads in mixed NGS datasets**  
S. Tausch, B. Y. Renard, A. Nitsche, **P. W. Dabrowski**
-

**FRIDAY, OCTOBER 16, 2015 Continued**

**11:00 – 12:30 Session 9: One Health und neue Zoonosen**  
*Language: German*

*Room Ballsaal*

---

Chairs: *Ute Teichert and Rainer Ulrich*

- 11:00 **Impulsvortrag: Exotische Zoonosen – eine Herausforderung für Forschung, Diagnostik und Gesundheitsdienste**  
**J. Schmidt-Chanasit**
- 11:20 **Leptospirosis outbreak in field workers in Lower Saxony, Germany, 2014**  
J. Dreesman, **S.Toikkanen**, M. Runge, L. Hamschmidt, B. Lüsse, J. Freise, J. Ehlers, K. Nöckler, C. Knorr, B. Keller, A. Mayer-Scholl
- 11:35 **Detection of hepatitis E virus in meat products from retail in Germany**  
**E. Trojnar**, K. Szabo, H. Anheyer-Behmenburg, A. Binder, U. Schotte, L. Ellerbroek, G. Klein, R. Johne
- 11:50 **Survey for zoonotic pathogens in Norway rat populations from European cities**  
J E. Heuser, **R. Ryll**, S. Fischer, M. Pépin, G. Müller, A-C. Heiberg, J. Lang, D. Hoffmann, S. Drewes, H. Ansorge, J. Freise, S. Guenther, R. Johne, A. Mayer-Scholl, K. Nöckler, S. Eßbauer, R.G. Ulrich
- 12:05 Discussion

---

12:30 *Lunch*

---

13:30 *Poster Viewing*

---

**14:30 – 16:00 Plenary Session**  
*Language: English/German*

*Room Ballsaal*

---

Chair: **Martin H. Groschup**

- 14:30 **Keynote 3: Wild rodents in Europe – a reservoir for infectious agents?**  
Heikki Henttonen, Vantaa, Finland
- 15:15 **Keynote 4: Die Rolle internationaler Großflughäfen bei der Verbreitung hochpathogener Krankheitserreger**  
René Gottschalk, Frankfurt, Germany
- 16:00 **Poster Awards**
- 16:20 **Farewell**
-