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<th>Time</th>
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<tr>
<td>08:30</td>
<td>Registration and Coffee</td>
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<tr>
<td>09:30</td>
<td>Welcome</td>
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<td>Plenary Session I</td>
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<td>Parallel Session I</td>
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<td>Parallel Session III</td>
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<td>17:30</td>
<td>Poster Session I &amp; Wine Tasting</td>
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<tr>
<td>19:00</td>
<td>Social Programme: Rhine River Boat Cruise</td>
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**INVITED SPEAKERS**

- **Eckart von Hirschhausen**  
  Physician, Comedian, Author and Talk Show Host  
  Germany
- **Wulf Amelung**  
  Professor, Division Soil Science  
  Institute of Crop Science and Resource Conversation (INRES)  
  University of Bonn  
  Germany
- **Martin Exner**  
  Director of the Institute for Hygiene and Public Health  
  University Hospital  
  University of Bonn  
  Germany
- **Ellen Goddard**  
  Professor, Co-operative Chair in Agricultural Marketing and Business  
  Faculty of Agricultural, Life & Environmental Sciences  
  University of Alberta  
  Canada
- **Delia Grace**  
  Program Manager Animal and Human Health  
  International Livestock Research Institute  
  Kenya
- **Jasper Littmann**  
  Director for the Centre for Antimicrobial Resistance  
  Norwegian National Institute of Public Health  
  Norway
- **Amy Pruden**  
  W. Thomas Rice Professor  
  Department of Civil and Environmental Engineering  
  Virginia Tech University  
  USA
- **Kornelia Smalla**  
  Acting Head of Institute for Epidemiology and Pathogen Diagnostics  
  Julius Kühne Institute  
  Germany
- **Jaap Wagenaar**  
  Chair of Clinical Infectiology  
  Department of Infectious Diseases and Immunology  
  Faculty of Veterinary Medicine  
  Utrecht University  
  Netherlands
## Tuesday, 18 September 2018

### 08:30 Registration & Coffee

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### Plenary Session I

**Food Safety Issues in Agricultural Production**
- Chair: Thomas Selhorst
- **Interaction Between Bacteria and Plants: Implications for Food Safety**
  - Kornelia Smalla
- **Microbiological Food Safety and Zoonoses**
  - Joap Wagenaar

### Parallel Session I

**I.A Antimicrobial Resistance in Wildlife**
- Chair: Ellen Goddard
- **Antimicrobial Resistance in Bacteria from Hunted Wild Boars in Germany**
  - Bernd-Alois Tenhagen, Mirjam Grobbel, Jens André Hammer, Istvan Szabo, Alexandra Fetsch, Katja Alt, Lars Werfel, Beatrice Pfeiffer, Annemarie Küsdörfer
- **Distribution and Antimicrobial Resistance of Salmonella spp from Marketed Bushmeat and Reared Grasscutters in Côte d’Ivoire**
  - Arlette Olyobé Dindo, Esther Schetting, Marine Koussoumon, Bossiriou Bonfoh

**I.B Animal Health in Dairy Farming: Measurement and Demand for Antibiotic Treatment**
- Chair: Julia Steinhoff-Wagner
- **Evaluation of Biomarkers of Udder Health in Cow Milk**
  - Giovanni De Matteis, Francesco Grandini, Maria Carmela Scotto, Teresa De Iorio, Cinzia Marchitelli, Roberta Steri, Bianca Moioli, Luca Buttazzoni
- **Alternative Approaches to Managing Demand for Antibiotic Treatment in Dairying**
  - David A. Hennessy, Yaron Jo, Hongli Feng

**I.C Vision to Develop and Use Methods and Frameworks for Improved One Health Decision Making**
- Chair: Barbara Hößler
- **Evaluation of One Health – Is It Possible to Evaluate a Paradigm?**
  - Barbara Hößler

### Parallel Session II

**I.A Can Club Theory Explain the Implementation of Food Safety Assurance Systems?**
- Chair: Garry Richard Griffith
- **Food Safety Assurance Systems as Chain Goods**
  - Euan Fleming, Garry Richard Griffith, Stuart Mounter, Derek Baker
- **Implications of Chain Failures When Marketing Meat with Production and Process Attributes in Australia**
  - Wendy Ummberger, Lena Moliak
- **Establishing Higher Private Standards for Residues by Market Forces**
  - Johannes Simons

**I.B Innovations to Reduce Bacteria and Antimicrobial Resistance From Farm to Fork**
- Chair: Hanns-Christoph Eiden
- **Development of Measures for Reduction of Antibiotic Resistant Escherichia Coli Along the Entire Poultry Production Chain**
  - Lavori Réda, Mohamed Hafza, Michael Poes, Thomas Arne, Jürgen Zentek, Christa Evers, Ulf Hennem, Thomas Alt, Diana Meixner, Niels Bandick, Lüppo Ellenbrot, Annemarie Kasdörfer
- **Introducing an Evidence-Based Mastitis Therapy Concept to a Conventional Dairy Farm**
  - Anna Schmenger, Stefanie Leimbach, Volker Krönker
- **Plasma-Based Decontamination of Dried Plant-Related Products to Enhance Food Safety**
  - Oliver Schützer, Holger Adamczewski, Ingo Cziollek, Jörg Ehlbeck, Heiko Theilen

### Lunch

**The Three Pillars of Sustainability in One Health and their Metrics – Social, Ecological and Economic Dimensions**
- Massimo Canali

**Parallel Session II**

**I.D NEOH Workshop Part 1:**
- Chair: Barbara Hößler, Sara Savic
- **Evaluation of the “One Healthness” of One Health Initiatives**
  - Session Leaders: Barbara Hößler, Sara Savic
Tuesday, 18 September 2018

16:00
Parallel Session III

III.A Innovative Approaches for Exploring the Appraisal of Novel Technologies Ceremonial Hall
Chair: Chad M. Baum
Discussant: Garry Griffith

Consumers’ Evaluation of 3D-Printed Food Carolin Kanthoth, Joshua Wesana, Stefanie Bröring, Xavier Gellynck, Hans De Steur

Do Consumers Think That Purchasing Bio-Based Products Matter? The Role of Systems Thinking and Connectedness to Nature Joana Wensing, Chad M. Baum, Laura Corrarese, Stefanie Bröring

Restrictions in the Diffusion of Active and Intelligent Packaging Innovations at the German Retail Level Chad M. Baum, Isabel Schulze


III.B Sustainable Agriculture and Animal Welfare: Conflict of Goals Between Animal Health and Environmental Health? H5 V
Chair: Martin Hamer
Discussant: Friedhelm Jaeger

Tools and Indicators to Describe Sustainable Animal Husbandry Christina Schmitt, Martin Hamer

ICT Tools to Monitor the Environmental Impact on Animal and Human Health Gé Backus

A Perspective for Improving Gastro-Intestinal Health and Animal Welfare Holka Hendrik Hofmann, Maren Julia Prass, Kurt Schellander, Christiane Neuhof

The Third Way in Germany and China – Trade-Off Between Animal Welfare and Food Safety Friedhelm Jaeger, Wei Wang

III.C Managing Foodborne Diseases H5 III
Chair: Sean Cash

A Procedure to Approach Interdisciplinary Issues in One Health Initiatives Eleno Borioni, Maurizio Aragrande, Massimo Coralli, Roberto Esposito, Mario Lotini

BeoWarn – A Watching and Warning System for Crisis Prevention Natalie Becker, Claudia Reckzeh, Petra Luber

Targeting Effective US Antibiotic Stewardship Programs: What Data Do We Need and What Can We Learn from Data We Have? Ray Huffaker, Monika Hartmann

III.D NEOH Workshop Part 2: Economic Evaluation of One Health Initiatives – Opportunities and Limitations Senate Hall
Session Leader: Massimo Coralli

17:30
Poster Session I & Wine Tasting

P: I.A Food Safety, Traceability and a Healthy Diet Aula
Chair: Judith Kreyenschmidt

Shifting Towards Sustainable and Healthier Dietary Patterns in the Metropolis Ruhr, Germany Juliana Minetto Gellert Paris, Ute Nöthlings, Christian Borgemeister

Food Fingerprinting – An Analytical Approach Towards Comprehensive Food Authentication Tim Bartron, Carolin Lörchner, Carsten Faust-Holscek, Susanne Esslinger

Blockchain Provides Food Safety Sandra Klein, Wolfgang Prinz, Wolfgang Gräther

Use of Antibiotics in Meat Producing Animals in Bangladesh: A Regulatory Review Abu Noman Mohammad Atahar Ali

Nutritional Role of Selenium, Production of Selenium Enriched Milk Réka Juhászné Tóth, Dóra Kiss, János Csapó

Characterization of Staphylococcus Aureus Isolated From Raw Milk From Vending Machines Fábio Maria Petróczai, Viktoriia Veres, Gérald Kordos, Béla Bárti, Ferenc Péles

One Health Approach in Project in Food Security and Safety in Somaliland Carina Kaiser, Victoria Larrateguy, Antonio Braus, Kassim Youssf Abdalla, Maurice Kilowe

P: I.B One Health Aula
Chair: Johannes Simans

One Health – Transdisciplinarity at ZB MED Eva Seidlmayer, Christoph Poley


Distinguishing Between MRSA (Methicillin-Resistant Staphylococcus Aureus) and MSSA (Methicillin-Sensitive Staphylococcus Aureus) with MALDI-TOF MS Brigitta Horváth, Ferenc Péles, László Bereczki, Ágnes Erdi, Rita Sipos, Csaba Lovász, Adrienn Micsinai

Appropriate Measures for Outpatient Antibiotic Use in Europe Robin Bruyndonckx, Niel Hens, Marc Aerts, Ann Versporten, Samuel Coenen, Herman Goossens

Prohibiting Open Access and Research Data in the Field of One Health Ursula Arning, Jacqueline Bergmann

Transference of Antibacterian Resistance from Environment to Agricultural and Healthcare Workers Rosario Patricia López Magaña, Yolanda López Vidal, Luis José René Arredondo, Samuel Ponce de León, Christine Dézirée Solé Górriz, Antonio Rafael Villa Romera

Requirements of the GLOBALG.A.P. Integrated Farm Assurance Standard on the Responsible Use of Antimicrobials and the Implementation of Antimicrobial Reduction Policies at Farm Level for Livestock and Aquaculture Production Roland K. Aumüller, Elme Coetzer

18:30
End of Poster Session

19:00
Social Programme: Rhine River Boat Cruise
Rhine
Wednesday, 19 September 2018

08:30  Plenary Session II

One Health: Antimicrobial Use in Humans and Animal Health  
Ceremonial Hall
Chair: Walter Bruchhausen

Dissertation of Antimicrobial Resistance in the Food Chain: The Role of the Environment  
Amy Prodan

Antimicrobial Resistance: An Ethical Challenge  
Jasper Littmann

10:00  Poster Session II & Coffee

P: II.A Animal Health  
Chair: Erna Maldonado-Siman

Simulation of Biofilm Development in Dairy Cattle Troughs for the Development of Strategies to Prevent the Spread of Infectious Bacteria in the Environment  
Jason Jeremia Hayer, Céline Heinemann, Simone Magdalene Schmid, Benedikt Georg Schütze Dieckhoff, Sydney Stewart, Brigitte Petersen, Julia Steinhoff-Wagner

Monitoring of the Cleanliness in Livestock Stables and Training of the Staff Can Interrupt Infection Chains of Pathogenic and the Spread of Antibiotic Resistant Bacteria  
Céline Heinemann, Jason Jeremia Hayer, Simone Magdalene Schmid, Benedikt Georg Schütze Dieckhoff, Isabell Meyer, Brigitte Petersen, Julia Steinhoff-Wagner

Evaluation of Measures to Reduce ß-Lactam Residues and Bacterial Load in Waste Milk for Feeding  
Jason Jeremia Hayer, Christian Bade, Benedikt Georg Schütze Dieckhoff, Céline Heinemann, Julia Steinhoff-Wagner

Strength and Weaknesses of the “Therapeutic Frequency” to Minimize Antibiotic Consumption in German Farm Animal Production  
Julia Steinhoff-Wagner, Christine Weingarten, Franziska Theresia Bögel, Céline Heinemann, Simone Magdalene Schmid, Jason Jeremia Hayer, Brigitte Petersen

Effects of Waste Milk Intake on Large Intestinal Microbiome of Newborn Farm Animals  
Julia Steinhoff-Wagner, Edwina Haaschken, Jessica Thieme, Benedikt Georg Schütze Dieckhoff, Céline Heinemann, Sydney Stewart

Zinc and Copper Attenuates Transfer of Antimicrobial Resistance Genes  
Ingan Lund Witso, May-Linn Buberg, Trine L. Abbe-Lund, Yngvild Wasteson

P: II.B Bacterial Contamination and Antibiotic Resistance in the Environment  
Chair: Ricardo Schmitthausen

Wastewater is a Reservoir for Clinically Relevant Carbapenemase and 16 rRNA Methylation Producing Enterobacteriaceae  
Magdalena Nüesch-Inderbinen, Katrin Zuarfluh, Claudia Bagutti, Peter Bradomann, Monica Alt, Jürg Schütze, Sébastien Faming, Roger Stephon

Detection of Pathogens and Microbiological Toxins in Water, Food and Feed Using Immunomagnetic Nanoprobes  
Florian Schöpfer, Christian Neundorf, Julia Heesel, Greta Nölke, Stefanie Achenricht, Hans-Joachim Krause

Occurrence of Antibiotic-Resistant Bacteria and Resistance Genes in Ground and Surface Water  
Claudio Stange, Andreas Tierlm

11:00  Parallel Session IV

IV.A The HyReKA Project: Dissemination of Antibiotic Resistant Bacteria in the Aquatic Environment and Strategies Designed for Their Removal  
Chair: Gabriele Bierbaum
Discussant: Martin Exner

Welcoming Address  
Christian Alken (Federal Ministry of Education and Research)

Occurrence and Dissemination of Antibiotic Resistant Bacteria in the Aquatic Environment by Clinical and Municipal Wastewater  
Christiane Schreiber, Christian Timm, Nicole Zacharias, Heike Müller, Thomas Kristemann, Claudia Stange, Andreas Thiem, Esther Sib, Ricardo Maria Schmitthausen, Martin Exner, Marijo Porcino, Gabriele Bierbaum

Antibiotic-Resistant Pathogens in Wastewater Inside Poultry Slaughter Houses and Their Fate in In-House Wastewater Treatment Plants  
Mykhailo Savin, Céline Heinemann, Gabriele Bierbaum, Sophia Doshlan, Marijo Porcino, Esther Sib, Judith Kreyenschmidt

Evaluation of Advanced Wastewater Processes to Eliminate Opportunistic Pathogens and Antibiotic-Resistant Bacteria  
Thomas Schwartz, Norman Hembach, Johannes Alexander, Anne Wieland, Georg Haider

IV.B Antibiotic-Free Meat: (Im-)Possibilities From a Supply Chain Point of View  
Chair: Helmut Willem Saatkamp
Discussant: Johannes Simons

Antibiotic Use: The Farm Economic Perspective  
Jamal Roskam

Antibiotics: Perspective and Demands From Consumers  
Johannes Simons

Reduction of Antibiotic Use: The Viewpoint From Slaughterhouses and Retail  
Derk Duborg

12:45  Lunch
### Wednesday, 19 September 2018

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<tr>
<td>13:45</td>
<td><strong>Panel Discussion</strong>&lt;br&gt;One Health and Food Safety: Necessity and Challenges of Interdisciplinary Research&lt;br&gt;Introduction&lt;br&gt;Monika Hartmann&lt;br&gt;Moderator&lt;br&gt;Eckart von Hirschhausen&lt;br&gt;Panel Members&lt;br&gt;Wulf Amelung&lt;br&gt;Martin Exner&lt;br&gt;Ellen Goddard&lt;br&gt;Delia Grace</td>
<td>Ceremonial Hall</td>
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<td>15:30</td>
<td><strong>Refreshment Break</strong></td>
<td>Aula</td>
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<td>16:00</td>
<td><strong>Plenary Session III</strong>&lt;br&gt;Chair: Monika Hartmann&lt;br&gt;Key Note: Health Literacy&lt;br&gt;Eckart von Hirschhausen</td>
<td>Ceremonial Hall</td>
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<td>17:15</td>
<td><strong>Close of Congress</strong>&lt;br&gt;Monika Hartmann, Chair of the Programme Committee</td>
<td>Ceremonial Hall</td>
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### Floor Plan

**Ground Floor**

- Inner Courtyard
- Aula
- Entrance "Am Hofgarten"

**First Floor**

- Inner Courtyard
- Aula

*(No entrance possible due to maintenance work!)*
## CONTACT:
**International FoodNetCenter**  
Katzenburgweg 7-9  
D-53115 Bonn  
Germany  

+49 (0)228-73 2059  
onehealth@uni-bonn.de  
www.onehealth.uni-bonn.de

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