

# **Joint AITVM/STVM Conference, September 4-8, 2016**

## **Sunday, September 4, 2016**

18.45-19.15

Frank Holl: The legacy of Alexander von Humboldt in international science and politics

## **Monday, September 5, 2016**

9.00-9.45

### **Opening Ceremony**

9.45.-10.45

### **One Health**

Keynote: Bassirou Bonfoh: Present and future health challenges in Africa: why One Health?

Cord Heuer: Tracing human leptospirosis back to infecting animal species – evidence from New Zealand, Fiji and Nepal

Axel Colling: Diagnostic Test Validation: An overview of new science-based approaches

10.45-11.15

### **Coffee break and industrial exhibition**

11.15-12.15

### **Food safety**

Keynote: Khwanchai Kreausukon: Food Safety: Experiences how to work with dairy cooperatives to increase milk quality and safety in Northern Thailand

Thi Thu Tra Vu: Seafood: a source of ESBL/AmpC-producing Enterobacteriaceae

Mukul Upadhyaya: Bacteriological quality of raw poultry meat sold in Kathmandu

12.15-13.15

### **Lunch break**

13.00-14.00

### **Poster session**

14.05-15.30

### **Anti-tick vaccines**

Christine Maritz-Olivier: An integrative approach towards control of *R. microplus*

Christian Stutzer: Identification and evaluation of vaccine candidates involved in key metabolic pathways for protection against cattle tick infestation

Mariëtte Ferreira: Evaluation, localization and in vivo evaluation of Bm86 and novel membrane-associated antigens against the cattle tick, *Rhipicephalus microplus*

Ala Lew-Tabor: Reverse vaccinology for cattle tick

Sarah Pröhl: Immunization with Ferritin 2 and tick protein extract against *Ixodes ricinus* infestations in cattle

Alina Rodríguez-Mallon: Development of the ribosomal protein P0 peptide as a vaccine against ticks

14.00-15.30

### **Trypanosomiasis / Toxoplasmosis**

Komla Batawui: Implementation of best-bet integrated control strategies for managing trypanosomiasis and trypanocidal drug resistance in village cattle populations of northern Togo

Fernando Mulandane: Field and Molecular Detection of Single and Multiple Drug Resistance of *Trypanosoma congolense* populations in Zambezia Province, Mozambique

Tilahun Tekle: Trypanocidal drug utilization practices and quality of isometamidium chloride and diminazene aceturate purchased from official and unofficial sources in Gurage zone, south western Ethiopia

Eliane Tihon: Modification in Isometamidium Chloride transport and specific genes amplification is associated with the acquisition drug resistance in *Trypanosoma congolense*

Kristina Roesel: The occurrence of porcine *Toxoplasma gondii* infections in smallholder production systems in Central and Eastern Uganda

Mariem Rouatbi: Molecular Detection and Phylogenetic Analyses of *Toxoplasma gondii* from Naturally Infected Sheep in Northern and Central Tunisia

14.00-15.30

### **Food safety**

Atif E. Abdelgadir: Base Line Survey on Implementation of Good Manufacturing Practices (GMP) in Meat Processing Factories in Khartoum State, Sudan

Chayanee Jenpanich: Food Safety Knowledge, Attitudes and Practices among food handlers in Chiang Mai Province, Thailand

Hans Raj Khanna: Prevalence of Salmonella in Broiler Retail Meat Shops in New Delhi, India

Martin Heilmann: Knowledge, attitudes and practises among customers at pork butchereries in Kampala, Uganda

Sinh Dang-Xuan: Prevalence and quantitative microbial risk assessment of Salmonella in pork value chain in Hung Yen province, Vietnam

Mukul Upadhyaya: Detection of antibiotic residues in marketed poultry meat in Kathmandu

14.00-15.30

### **Transboundary diseases I**

Wudu Temesgen Jemberu: Economic Modelling of the Impact Foot and Mouth Disease and Its Control in Ethiopia

Umanga C. Gunasekera: Analysis of past Foot and Mouth Disease outbreaks and risk factors in Sri Lanka

Alessandro Broglia: Predicting the geographic spread of an emerging livestock disease: the case study of lumpy skin disease in cattle

Wassie Abebe: Economic impact of LSD and cost effectiveness of vaccination for the control of outbreak in Ethiopia

Ahmed Abd El Wahed: Lab in a suitcase for the rapid molecular detection of Lumpy Skin and Foot and Mouth diseases viruses in the field

Saruda Tiwananthagorn: Molecular screening of sandflies for Leishmania martiniquensis infection in the outbreak area of Lamphun Province, Thailand

16.00-17.30

### **ILRI-Session**

Barbara Wieland: Healthy food from healthy animals

Fred Unger: Food safety assessment and challenges along small scale pig systems in Vietnam

Johanna Lindahl: Rift Valley fever virus seroprevalence among ruminants and humans in Northeast Kenya

Kristina Roesel: Erysipelothrix rhusiopathiae infections in pigs and raw pork handlers in Kamuli District, Eastern Uganda

Barbara Wieland: Microbiological safety of milk and processing and consumption behaviour in pastoral areas in southern Ethiopia

16.00-17.15

### **Transboundary diseases II**

Pachka Hammami: Modelling the decay of post-vaccination immunity rate in an animal population: Application to vaccination of a Sahelian sheep population against peste des petits ruminants virus

Mehdi El Harrak: Development and application of a challenge model for peste des petits ruminants in alpine goats

Adrian Muwonge: Cattle movement networks: Predictions and applications in resource limited settings

Anuwat Wiratsudakul: An egocentric network analysis approach to compare traditional cattle markets located in Tak province, Thailand and their vulnerability to the diffusion of infectious diseases

Paolo Motta: Implications of the cattle trade network in Cameroon for regional disease prevention and control

16.00-17.30

### **Rickettsial Tick-borne Diseases**

Damien Meyer: Bacterial adaptative strategies inside host cells: Ehrlichia as a case study

Nathalie Vachierey: A new high-throughput analysis to screen Ehrlichia ruminantium in field ticks

Ana Domingos: Ferritin and 64P gene silencing in Rhipicephalus sanguineus ticks infected with Ehrlichia canis

Kelly Brayton: Msp1aS genotyping of Anaplasma centrale indicates a wildlife reservoir

Lesley Bell-Sakyi: Tick cell-derived Anaplasma centrale: potential for a safer and more ethical vaccine for bovine anaplasmosis

Darci Moraes Barros-Battesti: Successful propagation of Ehrlichia canis in cell cultures of Rhipicephalus sanguineus tick (tropical lineage)

16.00-17.30

## **Zoonotic diseases I**

Francis Mutebi: Tunga penetrans animal infections: Occurrence and treatment in rural endemic, Uganda

Jürgen Krücken: Molecular analysis of Tunga penetrans from Uganda and Kenya reveals high genetic uniformity, presence of Wolbachia and potentially vector-transmissible Rickettsia bellii-like endosymbionts

Andy Gibson: Rabies elimination through systematic mass dog vaccination in Goa state, India – stepping into the logistical unknown

Eyal Klement: Assessment of the risk of reoccurrence of cattle rabies in a rabies affected herd: A decision tool for determining quarantine period

Felix Lankester: A trial to assess the thermotolerance of an inactivated rabies vaccine

Claudia Schoene: The economic importance of bushmeat hunting and livestock production for the rural population of Mayoko district, Republic of the Congo, and their potential significance for veterinary public health

16.00-17.30

## **DAAD Market place**

17.30-18.30

**Fachgruppenversammlung der DVG-Fachgruppe „Tropenveterinärmedizin und internationale Tiergesundheit“**

18.30-20.00

**Vétérinaires sans Frontières International satellite event:  
The Path to the Greener Pastures: Pastoralism, the backbone of the world's dry lands', a panel discussion**

## **Tuesday, September 6, 2016**

9.00-10.30

## **Emerging Infectious Diseases and Trade**

Ronello C. Abila: Keynote: One Health Collaboration in Asia

Arnaud Bataille: Regional evolutionary dynamics of peste des petits ruminants virus in West Africa: influence of livestock trade

Lertrak Srikitjakarn: PODD - A One Health digital tool to stop outbreaks and avert pandemics

Felix Lankester: The economic impact of malignant catarrhal fever on pastoralist livelihoods

Frederik Widén: Linking Epidemiology and Laboratory Research on Transboundary Animal Diseases and Zoonoses in EU and China (LinkTADs)

11.00-12.00

**Vector-borne Diseases**

Renaud Lancelot: Keynote VBD

Theo Schetters: Successful vaccination against *Babesia canis* using recombinant protein

Albert Eisenbarth: Zooprophylaxis contributes to the interruption of *Onchocerca volvulus* transmission in an endemic focus with intense cattle husbandry in North Cameroon

12.00-13.00

**Lunch break**

12.15-13.00

**ClinVet company presentation**

13.00-14.00

**Poster session**

14.00-15.30

**Zoonotic Diseases II**

Anne Meyer: Long distance movements of free-grazing ducks and the risk of avian influenza in Vietnam

Mohammed Samad: Sink environmental surveillance method for detection of avian influenza viruses in live bird markets in Dhaka, Bangladesh

Marisol Collins: HyData UK: Investigating the national distribution of *Echinococcus granulosus* in the United Kingdom

Erastus Mulinge: Molecular characterization of *Echinococcus* and *Taenia* species from dogs in Kenya

Deborah Mbotha: Inter-epidemic Rift Valley Fever virus seropositivity in an irrigation scheme in Bura, south east Kenya

Belisário Moiane: Identification of Rift Valley fever virus vectors in Mozambique

14.00-15.30 Uhr

### **Acaricides and Insecticides**

Hein Stoltz: Acaricide resistance in a resource-limited community in South Africa and its implications for sustainable tick and tick-borne disease control in cattle

Luise Robbertse: Genetic diversity, acaricide resistance status and evolutionary potential of a *Rhipicephalus microplus* population from a disease-controlled cattle farming area in South Africa

Samantha Baron: Understanding the genetic relatedness and mechanisms underlying amitraz resistance in *R. microplus* and *R. decoloratus* ticks in South Africa

Robert Finn: Biochemical characterisation of cytochrome P450 oxidoreductase from the cattle tick, *Rhipicephalus microplus* – potential as new acaricide target

Michael Ben-Yosef: *Coxiella* symbionts contribute to development of the brown dog tick, *Rhipicephalus sanguineus*

Sandra Antunes: Vitellogenin and Lachesin knockdown in *Rhipicephalus bursa* influence in feeding and pathogen acquisition

14.00-15.30

### **Food Safety & Drug resistance**

Atif E. Abdelgadir: Risk Factors Associated with Antibacterial Residues in the Milk Consumed in Nyala, South Darfur State, Sudan

Aung Zaw Moe: Prevalence and Antimicrobial Resistance of *Salmonella* Isolated From Raw Chicken Meat in Retail Outlets from Yangon, Myanmar

Stephanie Begemann: The link between Antimicrobials, Animals and Antimicrobial Resistance: unravelling its 'interdisciplinary' controversy in the United Kingdom

Souvik Ghosh: Applying Whole Genome Sequencing to the Study of Rotavirus Zoonosis/Interspecies Transmission in the Tropics

Elisabeth Lindahl Rajala: Zoonotic aspects of brucellosis in Tajikistan, a study of knowledge, attitudes and human risk behaviour in urban and peri-urban farming

Muralithas Mahalingam: Antimicrobial use and antimicrobial resistance in broiler production in Northern Sri Lanka

14.00-15.30

### **Ticks and Tick-borne Diseases**

Philippe Holzmüller: Immunomodulating properties of *Amblyomma variegatum* saliva, a functional proteomics study of the molecular determinants

Ana Domingos: Impact of gene knockdown in *Rhipicephalus annulatus* during *Babesia bigemina* infection

Juan Mosqueda: Immunization of bovines with conserved, surface peptides of *Babesia bigemina* induces a Th1 cellular and humoral immune response

Gervasio Bechara: The role of 64P and ferritin on *Rhipicephalus sanguineus* oogenesis during *Ehrlichia canis* interaction

Abdalla Latif: Corridor disease (*Theileria parva* buffalo-derived infection in cattle): Report on occurrence of carrier-state in cattle, South Africa

Karla Georges: Phylogenetic analysis of *Theileria equi* from thoroughbred mares and foals in Trinidad, West Indies

15.30-16.00

**Coffee break and industrial exhibition**

16.00-17.30

**Insect and tick control**

Petr Kopacek: Tick membrane feeding: a tool for discovery of novel 'anti-tick' interventions

Albert Eisenbarth: Genetic link of differential tick and parasite burden in indigenous taurine and zebu cattle breeds in North Cameroon

Luise Robbertse: Comparative immunoprofiling of three cattle breeds (Holstein-Friesian, Bonsmara and Brahman) against *Rhipicephalus microplus* infestation using cell subtype quantification methods and transcriptional profiling

Sophia Reissert: Occurrence of insecticide resistance in nuisance insects on dairy farms in the federal state of Brandenburg, Germany - a global problem of intensive livestock husbandry systems?

Marthe Arends: Effectiveness of insecticide-treated nets against vectors and nuisance insects of veterinary and medical importance in Burkina Faso, West Africa

Burkhard Bauer: Can we overcome the increasing challenges for the control of nuisance insects and vector-borne diseases?

16.00-17.30

**Tick-borne Diseases: *Theileria* vaccines**

Huseyin Bilgin Bilgic: A silent breakthrough in animals vaccinated with attenuated cell line of *T.annulata*



Jabbar Ahmed: Identification and characterization of potential attenuation markers of *Theileria annulata* live vaccines: Involvement of histone deacetylases in differentiation and attenuation of *Theileria annulata*

Sara Mohammed: The Role of Heat Shock Protein 90 (HSP90) in the transformation of *Theileria annulata*-infected cells and the parasite stage differentiation

Yvette E. Kazungu: Carrier state and persistence of *T. parva* vaccine (Muguga) components in cattle in a livestock-wildlife interface area of northern Tanzania

Ann Nanteza: Neutral and adaptive genetic diversity in field isolates of *Theileria parva* derived from Ankole cattle in southwestern Uganda: Implications for the deployment of the live vaccine in Uganda

Isaiah Obara: Recombinant vaccine development for *T. parva* control based on induction of protective CD8<sup>+</sup> T cells: constraints imposed by class I MHC diversity

16.00-17.30

### **Parasitology**

Peter Orbase: Heterophyid Metacercaria Freshwater Fishes from Selected Water Bodies in Mindanao Southern Philippines

Jairo Mendoza Roldan: Mites from Snakes of Brazil: host-parasite relationships and molecular studies

Paul Matjila: Molecular detection of zoonotic *Rickettsia* and *Anaplasma* spp. in domestic dogs and their ectoparasites in Bushbuckridge, South Africa

David Odongo: An Epidemiological study on study on tick-borne hemoparasites of cattle from four contrasting agro-ecological zones in Kenya

Matthew Nakozi Kabeta: Molecular, serological and epidemiological observations after a suspected outbreak of plague in nyimba district, eastern province zambia

Maxime Madder: A Parasite Mapping Project in East and West Africa to control ecto- and endoparasites of livestock

16.00-17.30

### **Animal Health and Production**

Afrim Hamidi: Association between the level of bio-security and the occurrence of *Dermanyssus gallinae* and *Salmonella* spp. in layer farms

Diba Wako: Swollen Glands Syndrome/HS-like disease in Kenyan camels; An endemic disease complex of elusive and unknown aetiology

Andre M Almeida: Productive performances and muscle fatty acid and proteomics profiles in Damara, Dorper and Australian Merino rams subjected to weight loss

Felix Lankester: A field trial for a new vaccine strategy against wildebeest associated malignant catarrhal fever

Siti Khairani Bejo: Serological detection of leptospiral infection in livestock after massive flood in Kelantan State of Malaysia

Biruk Alemu: Impact of small ruminant diseases on different household members in Ethiopia

16.00-17.30

**DAAD Continuing education corner**

17.30-19.00

**AITVM General Assembly**

19.00

**Conference Dinner**

### **Wednesday, September 7, 2016**

9.00-10.30

**Rural development**

Keynote: Nicoletta Buono: The path to the greener pasture: Pastoralism, the backbone of the world's drylands

Nicoletta Buono: Relationships of mobility and markets in different pastoralist hotspots

Maximilian Baumann: The impact of conflict on pastoralism in Greater Upper Nile, South Sudan: the veterinary perspective in 2015 based on field data and experiences

Sabine Liebenehm: Adoption of Best Bet Livestock Disease Management Practices and its Impact on Food Security of Rural Households in Togo

Michel Dione: Value chain actor's practices associated with the spread of African swine fever disease in smallholder pig systems in Uganda

11.30-12.00

**Animal Welfare**

Keynote: Marosi Molomo: Strengthening and sustaining animal welfare through capacity building of agricultural extension workers; a case of Lesotho

Barbara Wieland: The need for information and awareness raising activities among pastoralists in southern Ethiopia on the causes and treatment of mastitis

Ammar Said Ahmed: Genetic diversity and relationship of Sudanese cattle inferred from neutral and functional genetic markers

11.45-12.00

**Genetic resources**

Ammar Said Ahmed: Genetic diversity and relationship of Sudanese cattle inferred from neutral and functional genetic markers

12.00-13.00

**Lunch break**

17.00

**Excursions**

**Thursday, September 8, 2016**

9.00-10.00

**Drug resistance**

Jaap Wagenaar: Keynote: drug resistance

Sintayehu Mulugeta Arega: Molecular Epidemiology of MDR-TB in Kinshasa, The Democratic Republic of Congo

Georg von Samson-Himmelstjerna: Molecular analyses and prevalence of benzimidazol-resistance in ruminant gastro-intestinal nematodes

10.00-10.45

**Capacity building**

Sandra Stelzer: 'VetTalks' – a new non-commercial educational support to globalize veterinary education

Lertrak Srikitjakarn: SEAOHUN Foundation: an ASEAN one health university network implanting holistic approach to address global grand challenges

Vincent Delespau: Sharing minds, changing lives: the Vrije Universiteit Brussel (VUB) launches and updated Master Programme in Molecular Biology

11.15

**Closing ceremony**

**Anmeldung und Information:**

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**ATF-Anerkennung:** 17 Stunden