MedVetNet2017

5TH INTERNATIONAL SCIENTIFIC CONFERENCE PROGRAMME

DAY1 - TUESDAY 27th JUNE

8:00 Registration and poster hanging 50 min

8:50 Professor Roberto La Ragione, President Med-Vet-Net Association, Head of the Department of Pathology and Infectious Diseases, Director of the Veterinary Pathology Centre, School of Veterinary Medicine, Faculty of Health and Medical Sciences, University of Surrey

Welcome to MedVetNet2017 10 min

9:00 Professor Helen Griffiths, Executive Dean of Faculty, Faculty of Health and Medical Sciences, University of Surrey

One health - One Medicine 10 min

THEME 1: EPIDEMIOLOGICAL SURVEILLANCE AND OUTBREAK CONTROL OF ZOONOSES

Session 1 09:10 – 10:20; Chair: Dr Hein Imberechts (CODA-CERVA)

9:10 Dr Graeme Cooke, Deputy Chief Veterinary Officer (UK), London SW1P 3JR, UK

KEYNOTE ADDRESS: KN01 - Identifying emerging threats through veterinary surveillance 30 min

9:40 Dr Emma Snary, Head of the Department of Epidemiological Sciences, Animal and Plant Health Agency (APHA), Addlestone, UK

Invited talk: ES32 - The iterative nature of risk assessment: putting theory into practice 20 min

10:00 Professor Jeffrey Hoorfar, Research Group for Analytical and Predictive Microbiology, National Food Institute, Technical University of Denmark (DTU), Denmark

Invited talk: ES33 - Air sampling as an alternative tool for low-cost monitoring of pathogens 20 min
10:20 Coffee break and posters  

**Session 2 10:50 – 12:30; Chair: Dr Arjen van de Giessen (RIVM)**

**10:50 Dr Simon Doherty**, Specialist for the Agri-Tech Organisation of the UK Government Department for International trade

**KEYNOTE ADDRESS:** KN02 - Innovation in combating zoonotic disease threats  

**11:20 Dr Joanna Lawes**, Department of Epidemiological Sciences, Animal and Plant Health Agency (APHA), Addlestone, UK

*Invited talk:* ES34 - Salmonella outbreak investigations: protecting public health

**11:40 Professor David Gally**, Division of Infection and Immunity, The Roslin Institute, University of Edinburgh, Edinburgh, UK

*Invited talk:* ES35 - STEC O157 transmission biology and vaccine development

**12:00 Dr Karín Artursson**, National Veterinary Institute (SVA), Uppsala, Sweden

*Offered paper:* ES16 - Communicating One Health to the Public

**12:15 Dr Niall De Lappe**, GUH National Microbiology Reference Laboratory Services (Selected Pathogens), University Hospital Galway, Ireland

*Offered paper:* ES22 - Comparison of analysis of whole genome sequencing and conventional techniques for detection of Salmonella clusters

12:30 Lunch and posters

**THEME 2: (RE-)EMERGING AND NEGLECTED ZOONOTIC AGENTS**

*Session 3 13:30 – 15:05; Chair: Dr Victor Del Reo Vilas (University of Surrey)*

**13:30 Professor Diane Newell**, Visiting Professor, School of Veterinary Medicine, University of Surrey; and Foodborne Zoonoses Consultancy UK

**KEYNOTE ADDRESS:** KN03 - New and (re-)emerging zoonoses - what difference has 13 years made?

**14:10 Dr Mark Atkins**, Microbiology Lead, Surrey Pathology Services, Frimley Health NHS Foundation Trust, Royal Surrey County Hospital NHS Foundation Trust and Ashford and St Peter’s Foundation Trust, Surrey UK

*Invited talk:* EZ21 Lyme disease - neglected epidemic or fake news

**14:30 Dr Clazien de Vos**, Wageningen Bioveterinary Research, Department of Bacteriology and Epidemiology, Lelystad, The Netherlands

*Offered paper:* EZ03 - A One Health approach to identify drivers of emerging zoonoses

**14:45 Dr Mahesh Kumar**, VP Global Biologics Research, Zoetis

*Invited talk:* EZ22 - Avian influenza – challenges to the continuous development of effective vaccines

15:05 Tea break and posters
Session 4 15:35 – 16:50; Chair: Dr Dan Horton (University of Surrey)

15:35 Dr Ilaria Di Bartolo, ISS FAO Reference Centre for Veterinary Public Health, Rome, Italy
Invited talk: Animal reservoirs and foodborne transmission of zoonotic hepatitis E virus 20 min

15:55 Dr Muriel Coulpier, UMR Virology, ENVA (National Veterinary School of Alfort), France
Offered paper: EZ07 - Pathological modelling of tick-borne encephalitis virus infection using primary human brain cells derived from fetal neural progenitors 15 min

16:10 Professor Christian Menge, Leader, Federal Institute for Animal Health, Friedrich-Loeffler-Institut (FLI), and Leader, Institute for Molecular Pathogenesis (IMP), Jena, Germany
Invited talk: Genetic patterns associated with Shiga toxin-producing Escherichia coli colonization in the bovine host 20 min

16:30 Professor Karen A Krogfelt, Head of research unit, Dept for Bacteria, Parasites & Fungi, Statens Serum Institut (SSI), Copenhagen, Denmark
Invited talk: Leptospirosis in humans - Is there a problem ? 20 min

16:50 End of session

17:00 -18:30 CHATHAM HOUSE ONE HEALTH FORUM
Open discussion forum: One Health – Developing practical strategies for strengthening public–private partnerships and innovation in One Health for reducing antimicrobial resistance (AMR) 1h 30 min

18:30 - 20:00 DRINKS RECEPTION SPONSORED BY ZOETIS

DAY 2 - WEDNESDAY 28th JUNE

08:50 STUDENT AND YOUNG SCIENTIST SESSION 1h 15 min

Session 5 08:50 – 10:25; Chairs: Dr André Jestin (ANSES) and Dr Hendrik-Jan Roest (Wageningen Bioveterinary Research)

08:50 Sarah Golding, University of Surrey, School of Psychology, Guildford UK
Offered paper: AR01 - Exploring beliefs about antibiotic use in livestock amongst farm animal veterinarians 15 min

09:05 Weronika Korpyza-Dzirba, National Veterinary Research Institute, Department of Hygiene of Food of Animal Origin, 24-100 Putawy, Poland
Offered paper: EZ11 - Molecular characteristics of enterotoxigenic Staphylococcus aureus isolated from raw milk in Poland 15 min

09:20 Robert Söderlund, National Veterinary Institute (SVA)
Offered paper: EZ19 - Passerine birds as a source of early spring salmonellosis in humans and domestic cats 15 min
09:35 Ewa Bilska-Zajac, National Veterinary Research Institute in Pulawy, Department of Parasitology and Invasive Diseases, 24-100, Pulawy, Poland
Offered paper: ES02 - Current epidemiological situation of trichinellosis in Poland 15 min

09:50 Morgane Salines, ANSES, Ploufragan/Plouzané Laboratory, Swine Epidemiology and Welfare Research Unit, Ploufragan, France
Offered paper: ES23 - Swine movement network and hepatitis E virus (HEV) prevalence in pig production: towards a risk-based surveillance 15 min

10:05 Professor George Gunn, SRUC Professor of Population Medicine and Zoonoses, SRUC Research Team Leader and Head of Veterinary Epidemiology, SRUC, Inverness
Invited talk: BD10 - Big data and opportunities for animal health (this talk forms part of the theme on big data and digital information) 20 min

10:25 Coffee break and Poster session 1h 20 min

THEME 3: BIG DATA AND DIGITAL INFORMATION

Session 6 11:35 – 12:30; Chair: Professor Alex Cook (University of Surrey)

11:35 Dr Rimma Driscoll, Vice President, Business Development and Commercial Alliances, Zoetis
KEYNOTE ADDRESS: KN04 - Digital Innovation for Animal Health 20 min

11:55 Professor Alex Cook, Head of Department of Veterinary Epidemiology and Public Health, School of Veterinary Medicine, University of Surrey, UK
Invited talk: BD06 – Digital innovation in animal health: opportunities, barriers and drivers 20 min

12:15 Dr Fernanda Dorea, National Veterinary Institute (SVA), Uppsala, Sweden
Offered paper: BD03 - Intelligent use of data by computers for surveillance: the case for ontologies 15 min

12:30 Lunch and posters 1h 10 min

Session 7 13:40 – 15:00; Chair: Dr Theo Kanellos (Director of strategic alliances at Zoetis)

13:40 Dr Steven Van Borm, Molecular Platform, Veterinary and Agrochemical Research Center, CODA-CERVA-VAR, Brussels, Belgium
Invited talk: BD07 - The diagnostic added value of massive parallel sequencing data in veterinary virology 20 min

14:00 Nadejda Lupolova, PhD student, Division of Infection and Immunity, The Roslin Institute & R(D)SVS, The University of Edinburgh, Scotland, UK
Offered paper: BD09 - Machine learning for bacterial source attribution and assessment of zoonotic potential 20 min

14:20 Dr Phil Godsiff, Senior Research Fellow, Surrey Centre for the Digital Economy, Surrey Business School, University of Surrey
Invited talk: BD11 - How could implementing Blockchain technology impact the livestock value chain? 20 min
14:40 Dr Muna Anjum, Molecular Lead in AMR and Enteric Pathogens, Dept. of Bacteriology, APHA, New Haw, Addlestone; and Honorary Associate Professor; Microbial and Infection Unit, Warwick Medical School, University of Warwick, Coventry, UK
Invited talk: BD08 - Big data pipelines for zoonotic pathogens 20 min

15:00 Tea break and posters 30 min

THEME 4: ANTIMICROBIAL RESISTANCE
Session 8 15:30 – 16:30; Chair: Dr Jono Betts (University of Surrey)

15:30 Dr Steve Wearne, Director of Policy for the Food Standards Agency (FSA), London, UK
KEYNOTE ADDRESS: KN05 - Antimicrobial Resistance – Food System Challenges 40 min

16:10 Professor Dik Mevius, Head of the National Reference Laboratory on Antimicrobial Resistance in Animals, Wageningen Bioveterinary Research (WBVR), the Netherlands
Invited talk: AR21 - Carbapenemases in animals. An emerging threat? 20 min

16:45 - 17:20 Dr André Jestin, ANSES, France; Prof Ann Lindberg, SVA, Sweden;
Dr Hein Imberechts, CODA-CERVA, Belgium
EJP Presentation 35 min

19:00 Bus from Surrey Sports Park to Loseley Park
GALA DINNER at Loseley Park

DAY 3 - THURSDAY 29th June
08:00 take down posters 50 min

THEME 4: ANTIMICROBIAL RESISTANCE cont/
Session 9 08:50 – 10:25; Chair: Prof Bruno Gonzalez-Zorn (Complutense University of Madrid)

08:50 Professor Constance Schultsz, Department of Global Health – AIGHD and Department of Medical Microbiology, Academic Medical Center, University of Amsterdam, the Netherlands
Invited talk: AR22 - Antimicrobial resistance at the human-animal interface in southern Vietnam 20 min

09:10 Dr Colin Birch, Department of Epidemiological Sciences, Animal and Plant Health Agency, UK
Offered paper: AR12 - Evaluation of scanning surveillance for antimicrobial resistance in the UK 15 min
09:25 Ayla Hesp, Department of Bacteriology and Epidemiology, Wageningen Bioveterinary Research, Lelystad, the Netherlands
Offered paper: AR06 - Quantitative trend analysis of eighteen years of monitoring data of AMR in livestock in commensal E. coli in the Netherlands 15 min

09:40 Anita Dame-Korevaar, Utrecht University, Faculty of Veterinary Medicine, Utrecht, The Netherlands
Offered paper: AR05 Dose-response of ESBL/AmpC-E. coli colonization and excretion in young broiler chicks 15 min

09:55 Professor Annemarie Käsbohrer, Federal Institute for Risk Assessment Head of Unit Epidemiology, Zoonoses and Antimicrobial Resistance, National Reference Laboratory for Antimicrobial Resistance Department Biological Safety, Berlin, Germany
Invited talk: AR23 - VIM-1 producing Enterobacteriaceae from German livestock: what is going on? 20 min

10:15 Dr Victor Del Reo Vilas, (University of Surrey)
Presentation: A prospect theory application to One Health (surveillance) 10 min

10:25 Coffee break and take down posters if any still up 30 min

Session 10 10:55 – 12:20; Chair: Dr Anne Ridley (APHA)

10:55 Dr Carina Brehony, Antimicrobial Resistance and Microbial Ecology Group, School of Medicine, National University of Ireland, Galway
Offered paper: AR16 - Similar strains of New Delhi metallo-beta-lactamase-producing Enterobacteriaceae isolated from recreational water, sewage, and clinical specimens in Ireland 15 min

10:10 Apostolos Liakopoulos, CVI Wageningen
Offered paper: AR20 - Plasmid epidemiology of SHV-12-producing Escherichia coli from animal origin: X factor(s) of an emerging plasmid family 15 min

11:25 Prof Bruno Gonzalez-Zorn, Universidad Complutense de Madrid, SPAIN
Offered paper: AR25 - Ecology and Evolution of AMR 20 min

11:45 Dr Carlos Gonçalo das Neves, Section Leader/Senior Research Scientist, Veterinærinstituttet, Oslo, Norway
Offered paper: AR26 - Monitoring antimicrobial resistance in the Norwegian environment using wild animals as indicators 15 min

12:00 Dr Jean-Yves Madec, Research Director at the French Agency for Food, Environmental and Health Safety (Anses) Lyon, France
Invited talk: AR24 - Human transfer of antimicrobial resistance through food 20 min

12:20 Award Presentation and Closing 10 min

12:30 lunch 1 h