

'Synergy for science'

Veterinary Science Day 2019 | Thursday November 21st

Programme



Utrecht University

Veterinary Medicine

08.30-09.00 Registration and coffee, mounting of posters (uploading presentation)

09.00-09.05 Welcome by President of the VSD2019 – **Aldert Zomer**

09.05-09.20 Opening of the VSD2019 – **Alain de Bruin** - Chair FVM Research Board
- Introduction of the Research Council
- Introduction of Prizes
- Roelen-Penning Penning

09.20-10.30 **Session 1** Synergy between Biomolecular Health Sciences and Clinical Sciences

09.20 **Femke Broere** (DII) - Keynote

09.45 **Hille Fieten** (CSCA) - The Menkes and Wilson disease genes counteract in copper toxicosis in Labrador retrievers: a new canine model for copper-metabolism disorders

10.00 **Robin van de Biggelaar** (DII) - Novel in vitro strategies for poultry vaccine efficacy testing to secure vaccine quality and replace animal tests

10.15-10.30 **Poster Flash**

Kyra Defourny (DBC) - Unraveling molecular mechanisms for the packaging and release of picornaviruses in extracellular vesicles

Jet Segeren (DP) - Heterogenous DNA damage response allows escape from replication stress-inducing drugs

Heiko Henning (CSCA) - First steps towards a canine oviduct model for in vitro oocyte maturation

Wenjuan Du (DII) - Functional crosstalk between the receptor-binding properties of influenza A virus hemagglutinin and neuraminidase

10.30-11.10 Coffee; Poster presentations (even numbers)

11.15-12.25 **Session 2** Synergy between Biomolecular Health Sciences and Population Health Sciences

11.15 **Lidwien Smit** (IRAS) - Keynote

11.40 **Egil Fischer** (FAH) - Competition between Escherichia coli with and without Extended-Spectrum-Beta-Lactamase-carrying plasmids in the broiler chicken gut

11.55 **Annelies Kers** (FAH) - Inoculation of broiler chickens with adult microbes, directly post-hatch, accelerated the development of the intestinal microbiota, and increased the activation of natural killer cells

12.10-12.25 **Poster Flash**

Donsheng Yang (IRAS) - Association of antimicrobial usage with faecal abundance of ermB, tetW, aph3 and sul2 resistance genes in veal calves in three European countries

Janneke Schreuder (FAH) - A cross-sectional observational study of the fecal microbiome composition in adult laying hens with and without access to an outdoor range

Roosmarijn Luiken (IRAS) - The resistome and bacteriome of farm dust in European poultry and pig farms

Linda van der Graaf (DII) - Campylobacter plasmids and source association

Alice Wegener (DII) - Specific SCCmec types and clonal complexes are associated with low-level amoxicillin/clavulanic acid and cephalotin resistance in methicillin-resistant Staphylococcus pseudintermedius

12.25-13.20 Lunch and free poster viewing

13.25-14.35 **Session 3** Synergy between Population Health Sciences and Clinical Sciences

13.25 **Bas Rodenburg** (DASS) - Keynote

13.50 **Hans Vernooij** (FAH) - Evidence of high EEHV antibody seroprevalence and spatial variation among captive Asian elephants (Elephas maximus) in Thailand

14.05 **Willy Bergmann** (DP) - Of French fries and horses Biochemical changes in equine intervertebral disc degeneration

14.20-14.35 **Poster Flash**

Janneke van der Laan (DASS) - Sleepy shelter dogs?

Evaluating nocturnal activity as an indicator of adaptability of dogs to a shelter environment and post-adoption

Tijs Tobias (FAH) - Efficacy of needle-free iron injection, an on farm double blind randomized controlled clinical trial

Hanneke Hermans (ES) - Penetration of topically administered dexamethasone disodium phosphate and prednisolone acetate into the equine ocular fluids

Sebastiaan van Nimwegen (CSCA) - 131-Iodine treatment of feline hyperthyroidism: development of radiation protection guidelines for Dutch legislation based on external dose rate and excretion of 131-Iodine in 10 cats

14.35-15.20 Coffee; Poster presentations (odd numbers)

15.25-16.35 **Session 4** Synergy with Veterinary Sciences

15.25 **Celia Berkers** (DBC) - Keynote

15.50 **Miriam Oost** (DII) - The development of chicken intestinal organoids: a novel tool for in vitro studies

16.05 **Nafiseh Sirati** (DBC) - Amyloidogenic interactions involved in regulation of autophagy

16.20 **Martijn Molenaar** (DBC) - Lecithin:Retinol Acyl Transferase (LRAT) induces the formation of lipid droplets

16.35-16.55 Cold drinks and Poster removal

17.00-17.05 Introduction guest speaker – **Aldert Zomer**

17.05-18.05 Guest speaker – **Bart van den Belt**

18.05-18.20 Award Ceremony

18.20-20.30 Diner

20.30-21.00 Drinks and Closure