

# Programme

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## 9<sup>th</sup> FarahDay – December 15, 2022

08:30 - **Registration** (lecture hall C, building B45)

09:00 - **Opening and Welcome Speech**

### **Prof. Tania Art, Dean of the veterinary faculty**

09:15 Invited speaker

### **Etienne Baise award**

#### **09:45 - Oral session 1: Short talks (lecture hall C, building B45)**

Chair: **Bénédicte Machiels & Véronique Delcenserie**

**I. Tosi** - First steps in discipline-specific canine exercise physiology: a field study on canicross dogs.

**M. Gong** - ALHV-1 infection causes oligoclonal expansion and activation of CD8+ T lymphocytes resulting in bovine malignant catarrhal fever via interaction with T cell signaling pathway.

**S. Pirotte** - A fish herpesvirus highlights functional diversities among Z domains related to phase separation induction and A-to-Z conversion.

**M. Dancot** - Comparative imaging of the proximal third metatarsal bone at the suspensory ligament origin.

**M. Meunier** - Lung neutrophil targeting has long-term consequences on cellular trafficking and endothelium homeostasis.

**M. Gérardy** - Kinetic overview of the viral dissemination following Usutu virus peripheral inoculation in wild type 129/Sv pups.

**F. Rivas** - A new avian in vitro model for the study of Usutu virus infection.

**J. Dupont** - Retrospective study of the use of inhaled salbutamol administered to anesthetized horses suffering from impaired oxygenation: mechanisms of action and predictability of outcome.

**P. Janssen** - Neutrophil Extracellular Traps Are Found in Bronchoalveolar Lavage Fluids of Horses With Severe Asthma and Correlate With Asthma Severity

**C. Kruse** - Proteomic profiling in equine atypical myopathy: new metabolic insights.

**J. Ledeck** - Comparison of combined thickness of the uterus and the placenta between 2 breeds of mares and their potential relationship with estrogens during normal pregnancy.

10:45 - **Coffee break and poster session 1** (Room P, building B45)

### **11:15 - Oral session 2: Awardee from FSR (lecture hall C, building B45)**

**Chair: Bernard Taminiau & Linde Gille**

11:15 **C. Loublier** - DysbiHorSIRS - Effect of an antibiotic-induced intestinal dysbiosis on the systemic immune response to an experimentally-induced endotoxemia in horses

11:20 **M. Levoz** - Impact of an original freezing process for tendon mesenchymal stem cells on their immunomodulatory properties

11:25 **M. Vandersmissen** - Multi-modality diagnostic imaging of the equine proximal phalanx

11:30 **H. Amory** - EQUISALM - Portage de Salmonella spp. chez des chevaux hospitalisés pour des problèmes gastro-intestinaux en Belgique : fréquence, facteurs de risque, sérovars circulants, résistome et optimisation de la qPCR pour le diagnostic

11:35 **E. Rizzoli** - Investigation of common molecular signatures in dogs suffering from Canine idiopathic pulmonary fibrosis (CIPF) and from lung cancers

11:40 **I. Gonza Quito** - FibroGut - Rôle des additifs alimentaires sur le développement des maladies inflammatoires de l'intestin et de la fibrose intestinale

11:45 **O. Donohoe** - Study polymerase III promoter activity in salmon models for their potential future use in the expression of immunostimulatory RNA

11:50 **L. Martinelle** - PIGEON-LEAD: Evaluation des schémas de vol précoces en tant qu'estimateurs de performances futures chez les pigeons voyageurs

11:55 **V. Gronsfeld** - The urogenital microbiota in dogs: ongoing studies in healthy and pathological dogs

12:00 **J. Ledeck** - PE2C2 - Placental Cells Culture for Pregnant Equine Estrogens Complex Comprehension during Placentitis

12:05 **G. Parisi** - ZooVet - Survey on selected zoonoses and associated risk factors in veterinary students and supervisors, Southern Belgium

12:10 **L.F. Ludwig-Begall** - Here comes the sun – methylene blue in combination with sunlight as an equitable decontamination method for surgical masks contaminated with viruses of varying tenacities

12:15 **M. Bonhomme** - Early blood biomarkers associated with the risk of severe musculoskeletal injuries in Thoroughbreds jump racing. Phase I: Longitudinal follow-up of horses in training

12:20 **C. Kennedy** – Prospective study on lactate concentrations and kinetics, cardiac dysfunction and coagulation disorders in canine trauma patients

12:25 **H. Machiels** - Utility of focused cardiac ultrasound and NT-proBNP level to detect canine pre-capillary pulmonary hypertension

12:30 Questions

12:45 - **Lunch and poster session 2** (Room P, building B45)

### **14:00 - Oral session 3: Short talks (lecture hall C, building B45)**

**Chair: Nicolas Korsak Koulagenko & Irene Tosi**

**B. He** - Illumination of Cyprinid Herpesvirus 2 Infectious Cycle Using In Vivo Bioluminescent Imaging.

**C. Wouters** - Zebrafish larvae model to screen for the risk of *Acer pseudoplatanus* intoxication in grazing animals.

**F. Laforêt** - Impact assessment of vB\_KpnP\_K1-ULIP33 bacteriophage targeting *Klebsiella pneumoniae* on the human gut microbiota using an in vitro gastrointestinal model.

**I. Gonza Quito** - Effect of food additives on gut microbiota of healthy donors and IBD patients.

**C. Fang** - Genome-wide patterns of population structure and genetic diversity in Xinjiang indigenous sheep.

14:25 Questions

**A. Snoeck** - Serum 25-hydroxyvitamin D and 24,25-dihydroxyvitamin D in dogs with sinonasal aspergillosis.

**N. El Khalfaoui** - Longitudinal clinical follow-up of ovine caseous lymphadenitis in Settat province in Morocco.

**L. De Maré** - Relationship between the cycle threshold value (Ct) of a *Salmonella* spp. qPCR performed on feces and clinical signs in horses.

**M. Bonhomme** - Metabolomic investigation of exercise-induced response to moderate and high intensities training sessions in Thoroughbred flat racehorses

14:55 Questions

15:00 Invited speaker

## **Prof. Etienne Thiry**

### **From one emergence to another. Itinerary of a veterinary virologist (1980-2022)**

15:30 - Coffee break and poster session 3 (Room P, building B45)

### **16:00 - Oral session 4: Awardee from CSR (lecture hall C, building B45)**

Chair: Louisa Ludwig & Frédéric Farnir

16:00 **Lijing Tang** - Uncovering genetic factors underlying de novo transposition rate variation in the cattle germline

16:05 **Georgios Petrellis** - Defining how coinfection with helminths shape the lung immunity to respiratory viral infections

16:10 **Aude Blanquer** - Rôle de la salive de moustique et de son microbiote sur la pathogénie du Flavivirus Usutu chez l'oiseau et la souris

16:15 **Jean-Marc Lassance** - Logique moléculaire de la détection de la progéniture par des gpcrs olfactifs

16:20 **Claire Gourzones** - Impact des infections virales sur les ILC2 pulmonaires

16:25 **Alexis Balthazar** - Les infections par les gammaherpesvirus modifient à long terme l'immunité de l'hôte en déclenchant des réponses inflammatoires intestinales délétères.

16:30 **Stéphane Schurmans** - Effects of INPP5K knockdown/knockout on the constitutive activation and oncogenicity of mutated IL7R $\alpha$  chains associated with B- and T-ALL in man

16:35 **Salomé Desmecht** - Construction, characterization and efficacy assessment of Recombinant Phage Endolysins as enzymatic against *Aeromonas salmonicida*, the causative agent of furunculosis (ASAPHLYR)

16:40 Questions

16:45 Invited speaker

## **Prof. Laurent Gillet, Vice-Dean for Research**

17:15 – Closing session

## **Prof. Michel Moutschen, Vice-Rector for Research**

18:00 – FarahDay awards (Room P, building B45)

18:15 – Live music with EMPI, drinks and appetizers

**19:00 – Food: Pick-up your Poke Bowl**

**19:30 – 20:00 – Live music with EMPI**

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