

Annual Symposium of the CRIPA 2023

Centre de Recherche en
Infectiologie Porcine et Avicole
Swine and Poultry Infectious
Diseases Research Center



8:30 – WELCOME WORD
8:45 Dr. Mariela Segura, Director of CRIPA

KEYNOTE SPEAKER

8:45 – Disrupting *Clostridium perfringens* colonization to lower the incidence of necrotic enteritis
9:25 in chickens.

Dr. Wade Abbott, Agriculture and Agri-Food Canada

9:25 – Characterization of protective extracellular vesicles produced by *Clostridium perfringens*
9:40 against necrotic enteritis in chickens

Laura Guerrero Tinjaca, Université de Montréal

GUEST SPEAKER

9:40 – Avian Reovirus: The USDA enters the fray
10:05

Dr. Steven Conrad, USDA

10:05 – Towards a global model of molecular interactions between host and Porcine Reproductive
10:20 and Respiratory Syndrome and Porcine Epidemic Diarrhea viruses

Mehdi Maury Laouedj, Université de Montréal

10:20 – COFFEE BREAK (30 min)
10:50

GUEST SPEAKER

10:50 – Towards an aging antimicrobial resistance and re-emergent disease threats in organic
11:15 animal husbandry

Dr. Paul George, Université Laval

11:15 – Unveiling genomic diversity and antimicrobial resistance among *Streptococcus dysgalactiae*
11:30 *subspecies equisimilis* strains causing disease in swine

Fengyang Hsu, Université de Montréal

GUEST SPEAKER

11:30 – Discovery and characterization of natural barriers against the propagation of multidrug
11:55 resistance plasmids

Dr. Vincent Burrus, Université de Sherbrooke

12:00 – LUNCH (90 min)
13:30

KEYNOTE SPEAKER

13:30 – Iron and the pig industry - How much is too much?
14:10

Dr. Marie Lewis, University of Reading, UK

14:10 – **Investigating the impact of bacteriocins on poultry gut microbiome using an *in vitro* colonic fermentation model**

14:25

Amal Mamjoud, Université Laval

14:25 – **First approaches to modelling social dynamics of intensively housed growing pigs based on automatic feeder data**

14:40

Luis Gonzalez-Gracia, Université Laval

14:40 – COFFEE BREAK (20 min)
15:00

15:00 – **Sustainable nanomaterials as antibiotics alternatives for animal agriculture**

15:15

Dr. Saji George, McGill University

Presentation – New Initiative of CRIPA

15:15 – **Exploring the virulence, antibiotic resistance and genomic features of *Staphylococcus hyicus*, a swine pathogen**

15:30

Dr. Steve J. Charrette, Université Laval

15:30 – **Effects of C-14 or C-16 phosphorylation on the toxicity of the mycotoxin Zearalenone in pigs**

15:45

Muhammad Asaduzzaman, Université de Montréal

15:45 – **Elucidating deoxynivalenols' antiviral effect against porcine reproductive and respiratory syndrome virus infections *in vitro* – a multi-omics approach**

16:00

Marie-Jeanne Pesant, Université de Montréal

16:00 – **Does the lipoteichoic acid (LTA) play a role in the pathogenesis of *Streptococcus suis*?**

16:15

Servane Payen, Université de Montréal

POSTER SESSION (Room F)

16:15

Wine and Cheese



18:00 END