



Oral and poster presentations from the GCRF one Health Poultry Hub at 16th International Symposium of Veterinary Epidemiology and Economics

TUESDAY AUGUST 9, 2022

The role of Social Network Analysis (SNA) as an evaluation tool in complex One Health partnership networks

4:30 PM - 5:30 PM

Halifax Convention Centre | Ballroom B1

Poster Presentation

Vink D¹, Haesler B¹, Peyre M², Tomley F¹, Apgar M³, Fournie G¹

¹Royal Veterinary College, London England, United Kingdom

²CIRAD (French Agricultural Research Centre for International Development), Montpellier, France

³Institute of Development Studies, Brighton Sussex, United Kingdom

A network sampling approach to assess the dynamics of pathogens in livestock systems

4:30 PM - 5:30 PM

Halifax Convention Centre | Ballroom B1

Poster Presentation

Chapot L^{1,2,3}, Conan A¹, UKRI GCRF One Health Poultry Hub consortium², Blake D², Tomley F², Fournie G²

¹Centre for Applied One Health Research and Policy Advice, City University of Hong Kong, Kowloon Tong Kowloon, Hong Kong

²Department of Pathobiology and Population Sciences, The Royal Veterinary College, North Mymms Hertfordshire, United Kingdom

³Ausvet Europe, Lyon, France

WEDNESDAY AUGUST 10, 2022

Transmission dynamics of H9N2 Avian Influenza virus in a Live-Bird market in Chattogram, Bangladesh

10:00 AM - 12:00 PM

Halifax Convention Centre | Room 506+507

Oral Presentation

Pinotti F¹, Kohnle L^{2,5}, Lourenço J^{1,4}, Pfeiffer D^{2,3}, One Health Poultry Hub, Fournié G³

¹University Of Oxford, Oxford England, United Kingdom

²City University of Hong Kong, Hong Kong, China

³Royal Veterinary College, University of London, Hatfield England, United Kingdom

⁴Biosystems and Integrative Sciences Institute, Lisbon, Portugal

⁵European Food Safety Authority



Spatial distribution of poultry farms using point pattern modelling: a methodology to address disease transmission risks

10:00 AM - 12:00 PM

Halifax Convention Centre | Room 506+507

Oral Presentation

Dupas M¹, Pinotti F², Lourenço J², One Health Poultry Hub consortium, Gilbert M¹, Fournié G³

1Université Libre De Bruxelles, Ixelles Bruxelles, Belgium

2University of Oxford, Oxford, United Kingdom

3Royal Veterinary College, London, United Kingdom

THURSDAY AUGUST 11, 2022

COVID-19 impact on poultry production, distribution and consumption in Bangladesh

4:30 PM - 5:30 PM

Halifax Convention Centre | Ballroom B1

Poster Presentation

Sattar A¹, Mahmud R¹, Irin N¹, Mohsin M¹, Houghton E², **Fournie G**, One Health Poultry Hub consortium¹

1Chattogram Veterinary and Animal Sciences University, Chattogram Chattogram, Bangladesh

2The Royal Veterinary College, University of London, Hawkshead Lane, North Mymms, Hatfield Hertfordshire, United Kingdom

Unravelling H9N2 and H5N1 avian influenza virus transmission along Bangladeshi poultry trading networks

4:30 PM - 5:30 PM

Halifax Convention Centre | Ballroom B1

Poster Presentation

Carnegie L¹, Raghwani J², Samad M³, Biswas P⁴, BALZAC- One Health Poultry Hub consortium⁵, Hill S¹

1Pathobiology and Population Sciences, Royal Veterinary College, Hertfordshire, United Kingdom

2Department of Zoology, Oxford University, Oxford, United Kingdom

3 Animal Health Research Division, Bangladesh Livestock Research Institute, Dhaka, Bangladesh

4Faculty of Veterinary Medicine, Chattogram Veterinary and Animal Sciences University, Chattogram, Bangladesh

5BALZAC- One Health Poultry Hub consortium



Investigating poultry trade patterns to improve disease surveillance: A cross-sectional study in Gujarat

4:30 PM - 5:30 PM

Halifax Convention Centre | Ballroom B1

Poster Presentation

Sequeira S¹, Paleja H³, Koringa P³, One Health Poultry Hub Consortium U², Fournie G², **Conan A**¹

¹Centre for Applied One Health Research and Policy Advice, College of Veterinary Medicine and Life Sciences, City University of Hong Kong, Kowloon Tong Kowloon, Hong-Kong SAR, PR China

²Department of Pathobiology and Population Sciences, Royal Veterinary College, South Mymms, United Kingdom

³Anand Agricultural University, Anand, India

A controlled field experiment to explain amplification of avian influenza viruses along poultry marketing chains in Bangladesh

4:30 PM - 5:30 PM

Halifax Convention Centre | Ballroom B1

Poster Presentation

Kohnle L^{1,2}, Das T³, Uddin M⁴, Nath S⁴, Mohsin M⁴, Mahmud R⁴, Biswas P³, Hoque M⁴, Pfeiffer D^{1,5}, Fournie G⁵

¹Department of Infectious Diseases and Public Health, City University of Hong Kong, Kowloon, Hong Kong SAR (China)

²European Food Safety Authority (EFSA), Parma, Italy

³Department of Microbiology and Veterinary Public Health, Chattogram Veterinary and Animal Sciences University, Chattogram, Bangladesh

⁴Department of Medicine and Surgery, Chattogram Veterinary and Animal Sciences University, Chattogram, Bangladesh

⁵Department of Pathology and Population Sciences, Royal Veterinary College, University of London, London, United Kingdom

FRIDAY AUGUST 12, 2022

Epidemix – an online tool to make modelling more accessible

10:00 AM - 12:00 PM

Halifax Convention Centre | Ballroom B2

Special Session - Oral Presentation

Fournie G¹, Muellner U², Muellner P², Pfeiffer D^{1,3}

¹The Royal Veterinary College, Hatfield Hertfordshire, United Kingdom

²Epi-Interactive, Miramar Wellington, New Zealand

³City University of Hong Kong, Kowloon Tong Hong Kong, China



Another Increasing realism in modelling pathogen transmission in poultry production and distribution networks: a novel agent-based modelling framework.

10:00 AM - 12:00 PM

Halifax Convention Centre | Ballroom B2

Special Session - Oral Presentation

Pinotti F¹, Gupta S¹, Lourenço J^{1,2}, One Health Poultry Hub, Fournie G³

¹University Of Oxford, Oxford England, United Kingdom

²Biosystems and Integrative Sciences Institute, Lisbon, Portugal

³Royal Veterinary College, University of London, Hatfield England, United Kingdom

Impact of commercial poultry trading networks on zoonotic disease transmission

10:00 AM - 12:00 PM

Halifax Convention Centre | Room 502

Oral Presentation

Ferdous J¹, Uddin H², Esha E², Guillaume F³, UQ consortium O^{1,3}, Henning J¹

¹School of Veterinary Science, The University Of Queensland, Gatton QLD, Australia

²Faculty of Veterinary Medicine, Chattogram Veterinary & Animal Sciences University, Chattogram, Bangladesh

³Department of Pathobiology and Population Sciences, Royal Veterinary College, London, UK

Committed, co-dependent or cautious? Shared perceptions of biosecurity among Bangladesh's chicken producers

Friday, August 12, 2022

1:30 PM - 3:00 PM

Halifax Convention Centre | Room 502

Oral Presentation

Kohnle L^{1,2}, Uddin M³, Dilshad S³, Mahmud R³, Hoque M³, Pfeiffer D^{1,4}, Fournie G⁴

¹Department of Infectious Diseases and Public Health, City University of Hong Kong, Kowloon, Hong Kong SAR (China)

²European Food Safety Authority (EFSA), Parma, Italy

³Department of Medicine and Surgery, Chattogram Veterinary and Animal Sciences University, Chattogram, Bangladesh

⁴Department of Pathology and Population Sciences, Royal Veterinary College, University of London, London, United Kingdom