WORKSHOPS

ECOLOGICAL NICHE MODELLING AND RISK MAPPING WITH MAXENT
Kim Stevens
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GENOMIC CLUES TO EPIDEMIC STORIES: EXPLORING DISEASE DYNAMICS WITH PHYLODYNAMICS
Claire Guinat
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RISK ASSESSMENT WITH R AND QUANTRRA
Pablo Gomez-Vazquez and Beatriz Martinez-Lopez
jpoo@ucdavis.edu and beatrizmartinezlopez@ucdavis.edu

CONFIDENTLY INTERPRETING CONFIDENCE INTERVALS USING CONFIDENCE INTERVAL FUNCTIONS
Locksley Messam
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GAMIFICATION IN EDUCATION OF VETERINARY EPIDEMIOLOGY – THE OUTBREAK INVESTIGATION GAME
Arvo Viltrop
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INTERACTIVE AND SOCIAL LEARNING APPLIED TO ONE HEALTH CHALLENGES: WHEN AND HOW TO USE THEM?
Helena De Carvalho Ferreira, Fanny Baudoin and Ilias Chantziaras
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Conference organised by
Jenny Frössling and team on behalf of SVEPM

SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE MEDICINE
2024 ANNUAL CONFERENCE
WEDNESDAY 20TH MARCH – FRIDAY 22ND MARCH 2024
UPPSALA, SWEDEN

WEDNESDAY 20TH MARCH 2024

09.30 – 12.00

WORKSHOPS

Workshop 1: Confidently Interpreting Confidence Intervals using Confidence Interval Functions
Workshop 2: Risk assessment with R and QuantRRA
Workshop 3: Ecological niche modelling and risk mapping with Maxent
Workshop 4: Gamification in education of veterinary epidemiology – the Outbreak Investigation Game (OIG)
Workshop 5: Genomic clues to epidemic stories: exploring disease dynamics with phylodynamics
Workshop 6: Interactive and social learning applied to one health challenges: when and how to use them?

12.00 – 13.00

LUNCH

OPENING OF THE CONFERENCE

13.00 – 14.00

Keynote
Dr Thomas Schön, Uppsala University
On the state of machine learning research - where are we today

14.00 – 14.25

Bushby
Using feeding, movement, and social behaviours from sensor data to predict respiratory disease pre-weaned calves.

14.25 – 14.50

Hayes*
Optimizing surveillance strategies of highly pathogenic avian influenza in live bird markets across southeast Asia

14.50 – 15.05

5 x 2-minute poster pitches

15.05 – 15.45

COFFEE / TEA & POSTER VIEWING

CATTLE

14.00 – 14.25

Paarlberg*
Elevating youngstock rearing practices: insights from KalfOK data and farmer perspectives in the Netherlands

14.25 – 14.50

Paucar-Quishpe*
Adaptive farming strategies after chemical control failure: a cross-sectional study in subtropical Ecuadorian dairy farms

14.50 – 15.05

Eyango Tabi*
Deep mechanistic model: Integrating deep learning and stochastic mechanistic approaches for Bovine Respiratory Diseases diagnosis and epidemiological forecasting

15.05 – 15.15

5 x 2-minute poster pitches

15.15 – 18.00

POSTER VIEWING

20.00

DINNER
THURSDAY 21ST MARCH 2023

Session 4 Chair: Carla Gomes
09.00 – 09.25 Glavind
Is the health poor in finishing pig herds assigned a Yellow Card?

09.25 – 09.50 Moya*
"Implementation of bio...what?": Subjectivities of farm workers between conflicts with and instructions from farmers on dairy cattle farms

09.50 – 10.05 5 x 2-minute poster pitches

10.05 – 10.30 COFFEE / TEA & POSTER VIEWING

Session 5 Chair: Timothée Vergne
10.30 - 10.55 Mendes*
An epidemiological-economic modelling framework to estimate production losses attributable to livestock brucellosis in endemic settings and the potential benefits of disease control

10.55 - 11.20 Duarte
Cost evaluation of the implementation of biosecurity measures in dairy farms

11.20 – 11.35 5 x 2-minute poster pitches

11.35 – 13.00 ANNUAL GENERAL MEETING

13.00 – 14.00 BUFFET LUNCH

Session 6 Chair: Egil Fischer
14.00 – 14.25 Savagar*
Modelling the impact of heterogeneity in small ruminant populations on peste des petits ruminants virus (PPRV) transmission and the effectiveness of vaccination for eradication.

14.25 – 14.50 Chang*
A multi-host and multi-route transmission model to assess the effect of control measures on bTB dynamics in Ireland

14.50 – 15.15 Rasmussen
Can the Danish Veterinary Authorities meet their key performance indicator targets in the event of a foot-and-mouth disease outbreak?

15.15 – 15.30 5 x 2-minute poster pitches

15.30 – 16.15 COFFEE / TEA & POSTERS

Session 7 Chair: Fernanda Dorea
16.15 – 16.40 Machado
Analyzing the intrastate and interstate swine movement network in the United States

16.40 – 17.05 Conrady
Impacts of cattle movement network activities on the spread of Salmonella Dublin between cattle farms in Denmark between 2010 and 2020

17.05 – 17.30 Guinat
Exploring density and distance effects on H5N8 spread in Southwestern France using a Bayesian phylodynamic framework

17.30 – 18.00 POSTER VIEWING

20.00 - late ANNUAL CONFERENCE DINNER

FRIDAY 22ND MARCH 2023

Session 8 Chair: Philip Robinson
09.00 – 09.25 De Wit
Uncovering mechanisms behind the spatial-temporal emergence of Usutu virus in the Netherlands

09.25 – 09.50 Desvars-Larrive

09.50 – 10.15 Delecroix
The value of multivariate indicators of resilience in early warning for infectious disease outbreaks: a West Nile Virus case study

10.15 – 10.45 COFFEE / TEA & POSTERS

Session 9 Chair: Locksley Messam
10.45 – 11.10 Allen
Risk factors for race-related fatality in jump racing Thoroughbreds in Great Britain (2010-2023)

11.10 – 11.35 Fabri
Risk factors for the introduction of Salmonella spp. in dairy herds

11.35 – 12.00 Olsen
Quantifying human toxoplasmosis risk from pork consumption in Denmark: A conceptual framework for tissue cyst-based analysis

Session 10 Chair: Dave Brodbelt
12.00 – 12.45 Dr Lis Alban, Danish Agriculture and Food Council
The Danish model for collaboration in animal health and food safety

12.45 – 13.00 CLOSE OF THE CONFERENCE

13.00 – 14.00 BUFFET LUNCH

* The presenter is in the contest for the award for best presentation by an early career scientist. The award is sponsored by Scotland’s Rural College.

For further information, please contact:
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SVEPM 2024
Uppsala, Sweden
20th March – 22nd March 2024