WORKSHOPS

Multivariate analysis using Additive Bayesian Networks

Session organisers: **Arianna Comin and Gilles Kratzer**
E-mail: arianna.comin@sva.sea and gilles.kratzer@math.uzh.ch

Basics of molecular epidemiology: phylogenetic trees and transmission trees

Session organisers: **Gerrit Koop and Don Klinkenberg**
E-mail: .koop@uu.nl and don.klinkenberg@rivm.nl

EMULSION: an expert-friendly language for designing and exploring mechanistic epidemiological models

Session organiser: **Sébastien Picault, Pauline Ezanno, and Gaël Beaunée**
E-mail: sebastien.picault@oniris-nantes.fr

Syndromic surveillance on routinely collected data: do's and don'ts

Session organiser: **Anouk Veldhuis and Henriette Brouwer-Middelesch**
E-mail: a.veldhuis@gdanimalhealth.com and
h.brouwer@gdanimalhealth.com

Assessment of Confounding and Effect Modification during Data Analysis: The need for causal thinking

Session organiser: **Hsin-Yi Weng and Locksley L. McV. Messam**
E-mail: weng9@purdue.edu and locksley.messam@ucd.ie

Self-determination theory in practice: how to motivate your students?

Session organisers: **Saskia S.L. Mol**
E-mail: S.S.L.Mol@umcutrecht.nl

Bayesian tools for the estimation of the true disease prevalence

Session organisers: **Kostoulas Polychronis and Giovannini Armando**
E-mail: pkost@vet.uth.gr and armando@armandogiovannini.com

Conference organised by
Gerdien van Schaik
on behalf of SVEPM

With the support of

Wednesday 27 March 2019

Time		
09.00 – 12.00		**Workshops**
	Workshop 1:	**Multivariate analysis using Additive Bayesian Networks**
	Workshop 2:	**Basics of molecular epidemiology: phylogenetic trees and transmission trees**
	Workshop 3:	**EMULSION: an expert-friendly language for designing and exploring mechanistic epidemiological models**
	Workshop 4:	**Syndromic surveillance on routinely collected data: do's and don'ts**
	Workshop 5:	**Assessment of Confounding and Effect Modification during Data Analysis: The need for causal thinking**
	Workshop 6:	**Self-determination theory in practice: how to motivate your students?**
	Workshop 7:	**Bayesian tools for the estimation of the true disease prevalence**
12.15 – 13.00		**LUNCH**

Session 1: **Opening the Conference**
Chair: Marnie Brennan

Time		
13.00– 14.00	**Keynote**	**Name,** Affiliation Talk title

Session 2: **Environmental drivers of disease**
Chair: Gerdien van Schaik

Time		
14.00 – 14.25	**Schofield** SRUC	Application of spatial modelling to explore environmental exposures for lymphoma in dogs under UK veterinary care
14.25 – 14.50	**Egberts**	Effects of air pollution and temperature on cattle mortality in the Netherlands
14.50– 15.00		*5 x 2 minutes poster pitches*
15.00 – 15.45		**COFFEE/TEA & POSTER VIEWING**

Session 3: **Disease transmission and dynamics**
Chair: Liza Rosenbaum Nielsen

Time		
15.45 – 16.10	**Tamminen** SRUC	Transmission and persistence of VTEC O157:H7 on cattle farms
16.10 – 16.35	**Stanski** SRUC	Data-driven modelling for improving herd-level bovine tuberculosis breakdown predictions in GB cattle
16.35 – 17.00	**Hop**	Dynamics of Mycoplasma bovis in Dutch dairy herds with a clinical outbreak
17.00 – 17.10		*5 x 2 minutes poster pitches*
18.30		**(Transport to reception – if necessary)**
20.00		**Dinner xxxxxx**

Thursday 28 March 2019

Session 4:
Chair: Philip Robinson

<u>Stakeholder engagement</u>

08.30 – 08.55	**Doidge** SRUC	A factorial survey approach to investigate vets decision making when prescribing antimicrobials to sheep and beef farmers
08.55 – 09.20	**Jones** SRUC	Exploring local knowledge of sheep and goat disease in the pastoralist Afar Region of Ethiopia: implications for peste des petits ruminants disease surveillance
09.20 – 09.45	**Delpont** SRUC	Determinants of biosecurity compliance in French duck farms: the role of farmers' knowledge, attitude and personality traits
09.45 – 10.00		*5 x 2 minute poster pitches*
10.00 – 10.30		**COFFEE/TEA & POSTER VIEWING**

Session 5:
Chair: Lisa Boden

<u>Impacts of prescription policies</u>

10.30 – 10.55	**van den Heuvel** SRUC	Monitoring udder health on routinely collected census data: evaluating the effects of changing antimicrobial policy
10.55 – 11.20	**Minviel** SRUC	Business models of the French veterinary structures in rural areas and regulation of veterinary drug delivery
11.20 – 11.30		*5 x 2 minute poster pitches*
11.35 – 13.00		**ANNUAL GENERAL MEETING**
13.00 – 14.00		**LUNCH**

Session 6:
Chair: Timothée Vergne

<u>Modelling and risk assessment</u>

14.00 – 14.25	**Gussmann**	Modelling mastitis transmission and intervention strategies for clinical and subclinical mastitis
14.25 – 14.50	**Picault**	Combining early hyperthermia detection with metaphylaxis for reducing antibiotics usage in newly received beef bulls at fattening operations: a simulation-based approach
14.50 – 15.15	**da Silva Oliveira**	Applying a risk assessment framework for emerging vector-borne livestock diseases to pathogens with complex transmission dynamics: The risk of introduction of the Japanese encephalitis virus in the United States
15.15 – 15.25		*5 x 2 minute poster pitches*
15.25 – 16.15		**COFFEE/TEA & POSTER VIEWING**

Session 7:
Chair: Fernanda Dórea

<u>Tackling production animal challenges</u>

16.15 – 16.40	**Lopes Antunes**	Unweaving the tangled web of Danish pig mortality data: peaks, growths, and foresight
16.40 – 17.05	**Jackson**	Year-round housed dairy cows: What do the public really think, and does it matter?
17.05 – 17.30	**van den Borne**	A mediation analysis to quantify the interrelationships between lameness, milking frequency, and milk production in farms with automatic milking systems
19.00 –		**DRINKS RECEPTION AND ANNUAL CONFERENCE DINNER**

Friday 29 March 2019

Session 8:
Chair: K. Marie McIntyre

<u>Mycobacterial disease control</u>

09.00 – 09.25	**Nigsch**	Who infects whom? Reconstruction of transmission trees in an endemic phase of Mycobacterium avium subsp. paratuberculosis (MAP) infection in dairy herds by use of sequence data
09.25 – 09.50	**Weber**	How to evaluate the efficacy of paratuberculosis control programmes?
09.50 – 10.15	**Perrin**	How can good biosecurity reduce the incidence of bovine tuberculosis?
10.15 – 11.00		**COFFEE/TEA & POSTER VIEWING**

Session 9:
Chair: David Brodbelt

<u>Canine epidemiology</u>

11.00 – 11.25	**Hudson**	Roaming dogs and spatial kernels: modelling rabies spread in a heterogeneous population
11.25 – 11.50	**Mugnier**	Breed-specific approach of birth weight as a risk factor for neonatal mortality in the canine species

Session 10:
Chair: Marnie Brennan

<u>The Gareth Davies Lecture</u>

11:50 – 12:40	**Keynote**	**Name,** affiliation Talk title
12.40 – 13.00		Closing of the Conference
13.00 – 14.00		**BUFFET / TAKE AWAY LUNCH**

SRUC *presenter is in the contest for the Scotland's Rural College award for best presentation by an early career scientists*

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SVEPM 2019
Utrecht, the Netherlands
27-29 MARCH 2019