

WORKSHOPS/SEMINARS

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Application of syndromic surveillance methods to animal health and production data

Session organiser: **Koen Mintiens**  
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Bayesian animal- and herd-level prevalence estimation in OpenBUGS

Session organiser: **Nils Toft**  
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**\*\*\*Kindly sponsored by the Nordic Society for Veterinary Epidemiology\*\*\***

Basic epidemiological concepts

Session organiser: **Peter Cripps**  
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Research knowledge synthesis and translation: Bridging the gaps between science and policy in veterinary public health

Session organiser: **Andrijana Rajić**  
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Molecular epidemiology for beginners

Session organiser: **Ruth Zadoks**  
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Presentation and communication of complex epidemiological models

Session organiser: **Hans-Hermann Thulke**  
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**Conference organised by**

Tim Parkin, Claire Walls, Catherine O'Connor & Richard Reardon on behalf of SVEPM



*With the support of*

Pfizer, Palisade, Moredun Research Institute, AHVLA, NOSOVE, AVIA-GIS, EpiX Analytics, The Royal Veterinary College & The University of Glasgow School of Veterinary Medicine



**SOCIETY FOR VETERINARY EPIDEMIOLOGY AND PREVENTIVE MEDICINE**

**2012 ANNUAL CONFERENCE**  
**WEDNESDAY 28<sup>th</sup> March – FRIDAY 30<sup>th</sup> March 2012**

**GLASGOW, UK**

**Programme for the 2012 SVEPM Annual Conference**

**WEDNESDAY 28<sup>TH</sup> MARCH 2012**

09.00 – 12.00

**Workshops**

**Workshop 1:** Application of syndromic surveillance methods  
**Workshop 2:** Bayesian prevalence estimation in OpenBUGS  
**Workshop 3:** Basic epidemiological concepts  
**Workshop 4:** Research knowledge synthesis and translation  
**Workshop 5:** Molecular epidemiology for beginners  
**Workshop 6:** Presentation and communication of complex models

12.30 – 13.30

**LUNCH**

13.30 – 13.45

**Opening of the Conference**

**Session 1:**  
**Chair** Christine Fourichon

**Plenary Lecture**

13.45 – 14.45 **Dr Didier Boichard, Institut National de la Recherche Agronomique**

Genomic selection: an opportunity for improving health of farm animals

14.45 – 15.30

**TEA**

**Session 2:**  
**Chair** Hans-Hermann Thulke

**Epidemiological Methods 1**

15.30 – 16.00 **Nielen**

A latent class logistic regression model to identify risk factors for intramammary infections in dairy goats

16.00 – 16.30 **Russell**

A genetic epidemiological model of footrot in a sheep flock

**Session 3:**  
**Chair** Teresa Martinez

**Control Evaluation**

16.30 – 17.00 **Salama**

Fish farm size and surrounding water current speeds dictate the separation distance required to avoid transmission of disease agents between production sites

17.00 – 17.30 **Mintiens**

Multi-criteria decision analysis for evaluating control options during FMD outbreaks

19.00 – 20.00

**DRINKS RECEPTION AT THE CITY CHAMBERS**

20.30 – 22.00

**DINNER AT THE GRAND CENTRAL HOTEL**

THURSDAY 29<sup>TH</sup> MARCH 2012

<b>Session 4:</b>		<b><u>Impact Assessment</u></b>
*** <i>Kindly sponsored by Moredun Research Institute</i> ***		
<b>Chair</b> Liza Rosenbaum Nielsen		
08.30 - 09.00	<b>Taurel</b>	Effectiveness of medical strategies combining antibiotics and vaccination to prevent <i>Coxiella burnetii</i> shedding in infected dairy cows
09.00 - 09.30	<b>Relun</b>	Estimation of the relative impact of treatment and management factors on prevention of digital dermatitis by survival analysis
09.30 – 10.00	<b>Alban</b>	Effect of the Yellow Card antimicrobial scheme in Denmark on meat inspection lesions found in Danish finisher pigs
<b>10.00 - 10.30</b>		<b>COFFEE &amp; POSTERS</b>
<b>Session 5:</b>		<b><u>Risk Analysis</u></b>
*** <i>Kindly sponsored by Palisade</i> ***		
<b>Chair</b> Ann Lindberg		
10.30 - 11.00	<b>Beauvais</b>	A stochastic model to identify break-even compensation values for individual farmers complying with test and slaughter programs
11.00 - 11.30	<b>Calvo- Artavia</b>	A stochastic scenario tree model for evaluation of risk-based meat inspection for bovine cysticercosis
11.30 - 12.00	<b>Nigsch</b>	Spatio-temporal model for African Swine Fever spread in the EU during the high risk period
12.00 – 13.15	<b>ANNUAL GENERAL MEETING</b>	
13.15 – 14.15	<b>LUNCH</b>	
<b>Session 6:</b>		<b><u>Epidemiological Methods 2</u></b>
<b>Chair</b> Louise Kelly		
14.15 – 14.45	<b>Dietrich</b>	Influence of contact structure between host animals on the dynamics of infectious diseases
14.45 – 15.15	<b>den Uijl</b>	Dealing with missing values: A comparison of techniques
15.15 – 15.45	<b>Santman- Berends</b>	Comparing methods to estimate the reproduction ratio of Bluetongue
15.45 – 16.15	<b>TEA &amp; POSTERS</b>	
<b>Session 7:</b>		<b><u>Social Science</u></b>
<b>Chair</b> Kristien Verheyen		
16.15 – 16.45	<b>Toma</b>	A structural equation model of determinants of biosecurity behaviour of cattle and sheep farmers in Great Britain
16.45 – 17.15	<b>Upjohn</b>	Classical epidemiological approach versus participatory methods: a comparison of two research methods applied to identification of key health issues for working horses in Lesotho
17.15 – 17.45	<b>Espetvedt</b>	Nordic dairy farmers' intent to contact a veterinarian when detecting a case of mild clinical mastitis - consequences for disease recording.
18.30 – 19.30	*** <b>NEW</b> *** Poster tours *** <b>NEW</b> ***	
20:00	<b>DRINKS RECEPTION AND ANNUAL CONFERENCE DINNER</b>	

FRIDAY 30<sup>TH</sup> MARCH 2012

<b>Session 8:</b>		<b><u>Surveillance</u></b>
*** <i>Kindly sponsored by Animal Health &amp; Veterinary Laboratories Agency</i> ***		
<b>Chair</b> Koen Mintiens		
09.00 – 09.30	<b>Brouwer</b>	Syndromic surveillance on blood samples of aborting cows for early detection of (emerging) diseases
09.30 – 10.00	<b>El Allaki</b>	Conceptual evaluation of veterinary and public health surveillance programs: method and example
10.00 – 10.30	<b>Prakarnkamananta</b>	Improving the efficiency of the surveillance system for highly pathogenic avian influenza viruses subtype H5N1 in Thailand using scenario tree modelling
<b>10.30 – 11.00</b>		<b>COFFEE &amp; POSTERS</b>
<b>Session 9:</b>		<b><u>Observational Studies</u></b>
<b>Chair</b> Marnie Brennan		
11.00 – 11.30	<b>White</b>	How important is neighbourhood spread in the persistence of bovine tuberculosis in Irish cattle herds?
11.30 – 12.00	<b>Krontveit</b>	A cohort study of weight and environmental risk factors for canine hip dysplasia among four large breeds
<b>Session 10:</b>		<b><u>The Gareth Davies Lecture</u></b>
<b>Chair</b> Christine Fourichon		
12.00 – 13.00	<b>Professor Stuart Reid, Royal Veterinary College, UK</b>	Evidence-based prevention: well done or rare
13.00 – 13.15	<b>Close of the Conference</b>	
13.15 – 14.00	<b>BUFFET LUNCH</b>	

For further information, please contact:

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