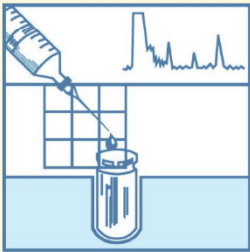


8th

INTERNATIONAL SYMPOSIUM ON HORMONE AND VETERINARY DRUG RESIDUE ANALYSIS

Ghent, Belgium
22-25 May, 2018



organized by

Faculty of Veterinary Medicine
Faculty of Pharmaceutical Sciences
Ghent University, Belgium

and

Flanders Research Institute for Agriculture, Fisheries and Food (ILVO),
Belgium

FINAL PROGRAMME



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The organizers gratefully acknowledge the financial support of their sponsors and warmly recommend a visit to the exhibition.

TUESDAY, 22 MAY, 2018

- 15.00 – 18.00 Registration at the hotel NH Ghent Belfort, Hoogpoort 63, 9000 Ghent.
- 18.00 – 19.30 Get together reception and beer tasting at the Aula of Ghent University, Voldersstraat 9, 9000 Ghent.

WEDNESDAY, 23 MAY, 2018

- 8.00 Registration.
- 8.45 Welcome and opening ceremony.
- Address by **Prof. Dr. Lynn Vanhaecke** and **Dr. Els Daeseleire**, Chairs of the Organizing Committee.
- Address by **Prof. Dr. Mieke Van Herreweghe**, Vice-Rector of Ghent University.
- Address by **Dr. Joris Relaes**, Administrator-General of ILVO.

MORNING SESSION:

Untargeted approaches in screening and confirmatory analyses

CHAIRMEN:

S. Sterk & C. Van Poucke

PLENARY LECTURE:

- 9.15 VALIDATION AND IMPLEMENTATION OF UNTARGETED APPROACHES FOR OFFICIAL USE AND ACCREDITATION.
B. Le Bizec, LABERCA, Ecole Nationale Vétérinaire, Nantes, France.

ORAL PRESENTATIONS

- 10.00 ACCOMMODATING “NAUGHTY” COMPOUNDS INTO HRMS BASED METHODS.
A. Kaufmann, Zurich, Switzerland.
- 10.20 MS-BASED MOLECULAR MAPPING FOR LONGITUDINAL RESIDUE MONITORING.
M.G.M. van de Schans, T. Meijer, M.G. Pikkemaat, T.N.H. Nguyen, L.J.M. Jansen, S.S. Sterk and B.J.A. Berendsen, Wageningen, The Netherlands.
- 10.40 DYE RESIDUES IN AQUACULTURE PRODUCTS: TARGETED AND METABOLOMICS MASS SPECTROMETRIC APPROACHES TO TRACK THEIR ABUSE.
E. Dubreil, S. Mompelat, Y. Guitton, M. Danion, T. Morin, D. Hurtaud-Pessel and E. Verdon, Fougères, France.

POSTER SESSION

- 11.00 Poster viewing, commercial exhibition and coffee.

ORAL PRESENTATIONS

- 11.45 A STREAMLINED MULTI-RESIDUE METHOD FOR QUANTIFICATION AND CONFIRMATION OF 30 VETERINARY DRUG RESIDUES IN RAW-MILK BY HIGH-RESOLUTION MASS SPECTROMETRY (HRMS).
K.B. Herath, H. Escobar Loaiza, L.A. Girard, H. Jayasuriya, S.B. Turnipseed and P.J. Kijak, Laurel, Maryland, USA.
- 12.05 OVERVIEW OF THE RESEARCH OUTCOMES FOR AN IMPROVED MONITORING OF ILLEGAL THIOURACIL ADMINISTRATION IN CATTLE.
L. Van Meulebroek, J. Wauters, E. Fichant, P. Delahaut and L. Vanhaecke, Merelbeke, Belgium.
- 12.25 DETERMINATION OF NITROFURAN METABOLITES IN HONEY AS PART OF AN EXTENSIVE MULTI-CLASS DRUG RESIDUE ANALYSIS.
B. Shurmer, K. Souster and M. West, Saskatoon, Canada.
- 12.45 Lunch + poster session/exhibition.

13.30 TECHNICAL SESSION:
Thermo Fisher Scientific

13.40 TECHNICAL SESSION:
Unisensor

AFTERNOON SESSION: Drug residues in food, feed and the environment

CHAIRMEN:

G. Hamscher & S. Croubels

PLENARY LECTURE:

- 14.00 ARE VETERINARY DRUGS EVERYWHERE? CIRCULATION OF VETERINARY DRUGS IN FOOD, FEED AND THE ENVIRONMENT.
B. Berendsen, RIKILT Wageningen University & Research, Wageningen, The Netherlands.

ORAL PRESENTATIONS

- 14.45 DETERMINATION OF 40 ANTHELMINTIC DRUG RESIDUES IN ENVIRONMENTAL WATER SAMPLES BY SOLID PHASE EXTRACTION (SPE) WITH UHPLC-MS/MS DETECTION.
D. Mooney, M. Danaher, K. Richards, L. Gill, P.E. Mellander and C. Coxon, Dublin, Ireland.
- 15.05 TARGETED AND UNTARGETED SCREENING OF MULTI-CLASS ANTIMICROBIAL DRUG RESIDUES WITH HIGH RESOLUTION MASS SPECTROMETRY IN SALT AND FRESH WATER ECOSYSTEMS.
T. Goessens, S. Huysman, P. Goethals, A. Dumoulin, L. Vanhaecke and S. Croubels, Merelbeke, Belgium.
- 15.25 ANTI-SEA LICE AGENTS IN NORWEGIAN AQUACULTURE; TREATMENT TRENDS AND POSSIBLE IMPLICATIONS FOR FOOD SAFETY.
R. Hannisdal, O.J. Nøstbakken, H. Hove, L. Madsen, T.E. Horsberg and B.T. Lunestad, Bergen, Norway.

POSTER SESSION

- 15.45 Poster viewing, commercial exhibition and coffee.

ORAL PRESENTATIONS

- 16.30 ANALYTICAL APPROACH TO ASSESS ENVIRONMENTAL CONTAMINATION BY UHPLC-TOF-MS.
A. Freitas, A.S. Vila Pouca, J. Barbosa, P. Reis-Santos, M.P. Pais, H.N. Cabral, V.F. Fonseca, J. Rosa, S. Leston and F. Ramos, Vairão - Vila do Conde, Portugal.

- 16.50 ULTRA-TRACE ANALYSIS OF PHARMACEUTICALS AND HORMONES IN MARINE WATER BY USING UHPLC-ORBITRAP-HRMS.
F. Vanryckeghem, S. Huysman, H. Van Langenhove, L. Vanhaecke and K. Demeestere, Ghent, Belgium.
- 17.10 ANTIBIOTIC RESIDUES IN PIG AND VEAL MANURE.
G. Rasschaert, E. Daeseleire, J. Meirlaen, J. Huygens, L. Herman and M. Heyndrickx, Melle, Belgium.
- 17.30 SULFONAMIDES AND TETRACYCLINES IN AGED, AGRICULTURAL SOIL.
M.S. Petri, H. Höper and G. Hamscher, Gießen, Germany.
- 17.50 Photoshoot conference picture.

THURSDAY, 24 MAY, 2018

MORNING SESSION:
Antimicrobial resistance and alternatives
for antibiotics

CHAIRMEN:

J. Dewulf & M. Devreese

PLENARY LECTURE

- 8.45 QUORUM QUENCHING AND QUORUM SENSING INHIBITION AS INNOVATIVE APPROACHES TO DEAL WITH BACTERIAL INFECTIONS IN PRODUCTION ANIMALS?
T. Coenye, Ghent University, Ghent, Belgium.

ORAL PRESENTATIONS

- 9.25 IMPACT OF ANTIMICROBIAL RESISTANCE MEASURES ON THE PRESENCE OF ANTIBIOTIC RESIDUES IN MEAT.
B. Roudaut, D. Hurtaud-Pessel and P. Sanders, Fougères, France.
- 9.45 TWO PROBABILISTIC RISK MODELS TO ASSESS THE POTENTIAL FOR RESISTANCE SELECTION AND RESIDUES TRANSFERRED TO SOIL DUE TO ORAL ANTIMICROBIAL TREATMENT OF PIGS.
M.E. Filippitzi, I. Chantziaras, M. Devreese, S. Croubels and J. Dewulf, Merelbeke, Belgium.

POSTER SESSION

- 10.05 Poster viewing, commercial exhibition and coffee.

PLENARY LECTURE

- 10.45 DEVELOPMENT AND TRANSMISSION OF ANTIMICROBIAL RESISTANCE IN FOOD PRODUCTION SYSTEMS AND THE ENVIRONMENT.
E. Topp, Agriculture and Agri-Food Canada, London, Canada.

ORAL PRESENTATIONS

- 11.25 TRUE UNTARGETED WORKFLOW FOR IDENTIFICATION OF ANTIMICROBIAL COMPOUNDS IN ANIMAL FEED USING BIOASSAY-DIRECTED SCREENING IN COMBINATION WITH LIQUID CHROMATOGRAPHY-HIGH RESOLUTION MASS SPECTROMETRY.
R.S. Wegh, A.A.M. Stolker, T. Zuidema, B.J.A. Berendsen, W.D.M. Driessen and M.G. Pikkemaat, Wageningen, The Netherlands.
- 11.45 EFFECT OF ANTIBIOTIC RESIDUES ON THE SURVIVAL OF STARTER WHEY CULTURES AND PERSISTENCE OF β -LACTAM ANTIBIOTICS IN MILK PRODUCTS DURING THE CHEESE PRODUCTION PROCESS.
V. Gamba, G. Bolzoni, P. Monastero and **P. Daminelli**, Brescia, Italy.
- 12.05 QUANTIFICATION OF CHLORTETRACYCLINE RESIDUES AND DETERMINATION OF ANTIMICROBIAL ACTIVITY IN THERAPEUTICALLY TREATED BROILER CHICKENS' DEJECTIONS.
K. Yevenes, E. Pokrant, A. Maddaleno, S. Martin and **J. Cornejo**, Santiago, Chile.
- 12.25 Lunch + poster session/exhibition.

13.10 TECHNICAL SESSION:
Sciex

13.20 TECHNICAL SESSION:
Waters

AFTERNOON SESSION: Biosensors and rapid methods: towards on-site testing

CHAIRMEN:
B. Le Bizec & L. Vanhaecke

PLENARY LECTURE

- 13.40 IN-VIVO SPME WITH MATRIX COMPATIBLE COATINGS: APPLICATION TO ON-SITE DRUG RESIDUE ANALYSIS IN LIVE ANIMALS.
J. Pawliszyn, University of Waterloo, Ontario, Canada.

ORAL PRESENTATIONS

- 14.20 DRIED BLOOD SPOT ANALYSIS; A NEW TECHNIQUE FOR RESIDUE ANALYSIS.
T. Meijer, J. Schimmel, S. Vasconcelos Cancado, M. Blokland and S. Sterk, Wageningen, The Netherlands.
- 14.40 A RAPID, SIMPLE AND COST EFFECTIVE UHPLC-MS/MS METHOD TO MONITOR FOR SARMS ABUSE IN URINE SAMPLES.
E. Ventura, A. Gadaj, G. Monteith, A. Ripoche, T. Buckley and M.H. Mooney, Belfast, United Kingdom.
- 15.00 VALIDATION OF EXTENSO™ FOR MULTIPLEX RAPID SCREENING FOR ANTIMICROBIALS AND TOXINS IN MILK.
W. Reybroeck and S. Ooghe, Melle, Belgium.

POSTER SESSION

- 15.20 Poster viewing, commercial exhibition and coffee.

PLENARY LECTURE

- 16.00 AMBIENT IONIZATION MASS SPECTROMETRY FOR FOOD, FEED AND ENVIRONMENTAL APPLICATIONS.
Z. Takats, Imperial College, London, United Kingdom.

ORAL PRESENTATIONS

- 16.40 FAECES: AN UNDERESTIMATED BIOLOGICAL MATRIX TO INVESTIGATE THE MISUSE OF BANNED SUBSTANCES.
G. Dervilly-Pinel, A. Poirier, Y. Guitton, N. Cesbron, A.-L. Royer, S. Prévost and B. Le Bizec, Nantes, France.
- 17.00 DIRECT FOOD ANALYSIS USING AMBIENT IONIZATION AND (TRANS)PORTABLE MASS SPECTROMETRY.
M.H. Blokland, P.W. Zoontjes, M.W.F. Nielen and S.S. Sterk, Wageningen, The Netherlands.
- 18.30 Symposium Dinner at "De Oude Vismijn", Sint-Veerleplein 5, 9000 Ghent.

FRIDAY, 25 MAY, 2018

MORNING SESSION:
Regulatory aspects

CHAIRMEN:
L. Van Ginkel & G. Brambilla

PLENARY LECTURE

- 9.00 CURRENT ACTIVITIES OF THE EUROPEAN COMMISSION IN THE AREA OF RESIDUES OF VETERINARY MEDICINES AND THE IMPLEMENTATION OF THE OFFICIAL CONTROL REGULATION (EU) 2017/625.
V. Vanheusden, European Commission, DG Health and Food Safety, Brussels, Belgium.

KEYNOTE

- 9.45 REVISION OF 2002/657: WHERE ARE WE?
J. Polzer, Federal Office of Consumer Protection and Food Safety, Berlin, Germany.

POSTER SESSION

- 10.15 Poster viewing, commercial exhibition and coffee.

ORAL PRESENTATIONS

- 11.00 TOWARDS AN EUROPEAN STANDARD FOR THE DETERMINATION OF COCCIDIOSTATS AND OF PROHIBITED ANTIBIOTICS: RESULTS OF THE COLLABORATIVE STUDY OF A LC-MS/MS METHOD.
U. Vincent, M. Chedin and C. von Holst, Geel, Belgium.
- 11.20 NEW APPROACHES FOR VALIDATION: FACTORIAL INTER-LABORATORY STUDY DESIGN FOR A CONFIRMATORY METHOD FOR NSAIDS IN MILK.
A. Borzekowski, K. Kittler, M. Stoyke and J. Polzer, Berlin, Germany.
- 11.40 VETERINARY DRUG RESIDUE NON-COMPLIANT SAMPLES FROM UNTREATED ANIMALS.
S.R.H. Crooks, P. Barnes, I.M. Traynor, W.G. Smyth, D.V. Faulkner, C.S. Thompson and T.L. Fodey, Belfast, United Kingdom.

- 12.00 DEVELOPMENT AND VALIDATION OF A CONFIRMATORY METHOD FOR DETERMINATION OF POLYPEPTIDE ANTIBIOTICS BY HPLC-MS/MS.
P.S. Metalnikov, I.V. Batov, R.N. Selimov and A.A. Komarov, Moscow, Russian Federation.

- 12.20 POSTER AWARD CEREMONY
CLOSING REMARKS AND END OF THE SYMPOSIUM
Prof. Dr. Lynn Vanhaecke and Dr. E. Daeseleire, Symposium Chairs.

GENERAL INFORMATION

Delegates are requested to wear their conference badges at all times. This will facilitate identification and allow entrance to the conference rooms and to the social events.

ADDRESS AND LOCATION OF THE SECRETARIAT

Before and after the symposium all correspondence should be sent to:

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Brusselsesteenweg 370, 9090 Melle, Belgium
Phone : +32(0)9 272 30 32
Fax : +32(0)9 272 30 01
E-mail : info.vdra@ugent.be
Website : www.vdra.be

VENUE OF THE SYMPOSIUM

All scientific sessions will be held at Hotel NH Ghent Belfort Hoogpoort 63, 9000 Ghent, Belgium
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REGISTRATION AND INFORMATION DESKS

During the symposium a registration and information desk will be at the disposal of the delegates in the entrance hall of the Hotel NH Ghent Belfort.

The organizing committee cannot accept any liability; participants must take their own arrangements with respect to health, travel and other insurances. The organizers cannot assume liability for changes in the program due to unforeseen circumstances.

LANGUAGE

The official language of the symposium will be English.

SCIENTIFIC PROGRAM

Interested colleagues might appreciate receiving an A4-hand-out of your poster.