EuroResidue VIII

Conference on Residues of Veterinary Drugs in Food

23 - 25 May 2016

Hotel Zuiderduin
Egmond aan Zee
The Netherlands

Final circular and programme
<table>
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<tr>
<th>EuroResidue VIII Sponsors</th>
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<td><strong>Randox</strong></td>
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<tr>
<td>55 Diamond Road, Crumlin Co. Antrim BT29 4QY, Northern Ireland/United Kingdom</td>
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<td><strong>Bruker Nederland B.V.</strong></td>
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<td><strong>Charm Sciences Inc.</strong></td>
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<td><strong>EuroProxima B.V.</strong></td>
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<td><strong>R-Biopharm AG</strong></td>
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<td>An der neuen Bergstrasse 17 64297 Darmstadt, Germany</td>
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<td><strong>RIKILT part of Wageningen University &amp; Research</strong></td>
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<td>Akkermaalsbos 2 6708 WB Wageningen, The Netherlands</td>
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<td>Takkebijsterslaan 1 4817 BL Breda, The Netherlands</td>
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<td><strong>AB Sciex</strong></td>
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<td>Eerste Tochtweg 11 2913 LN Nieuwekerk aan de IJssel, The Netherlands</td>
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<td>Voie de L’Innovation 27100 Val de Reuil, France</td>
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<td><strong>Fera Science Ltd</strong></td>
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<tr>
<td>National Agri-Food Innovation Campus, Sand Hutton, York, YO41 1LZ, United Kingdom</td>
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<td><strong>Waters Chromatography b.v.</strong></td>
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<td>Florijnstraat 19 4870 AJ Etten – Leur, The Netherlands</td>
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<td><strong>Agilent Technologies Netherlands B.V.</strong></td>
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<td>Laan van Langerhuize 1, 1186 DS Amstelveen, The Netherlands</td>
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<td><strong>DUCARES B.V.</strong></td>
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<td>Reactorweg 47A 3542 AD Utrecht, The Netherlands</td>
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<tr>
<td>Queens Road, Teddington Middlesex TW11 0LY, United Kingdom</td>
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<td><strong>Farma Research Animal Health/ABL</strong></td>
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<td>Toernooiveld 300 H 6525 EC Nijmegen, The Netherlands</td>
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</table>
EuroResidue VIII
Conference on Residues of Veterinary Drugs in Food
23-25 May 2016
Hotel Zuiderduin, Egmond aan Zee, The Netherlands

Scientific Committee

J. Boison  Canada
T. Burnett  USA
A. Cannavan  UK (Chair)
S. Croubels  Belgium
E. Daeseleire  Belgium
G. Dervilly-Pinel  France
R. Granja  Brazil
G. Hamscher  Germany
J-W. Kwon  Republic of Korea
K. Mitrowska  Poland
J. Polzer  Germany
J.A. van Rhijn  The Netherlands
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S. Stead  UK
S.S. Sterk  The Netherlands
A.A.M. Stolker  The Netherlands
L. Vanhaecke  Belgium
E. Verdon  France
U. Vincent  Belgium

Organising Committee

P. Boshuis
S.S. Sterk (Chair)
P. Stouten
P. Zoontjes

Acknowledgement
The organisers of EuroResidue VIII greatly acknowledge the support given by Stichting Kwaliteitsgarantie Vleeskalversector / BV CoMore Bedrijfsdiensten, DUCARES BV, RIKILT part of Wageningen University & Research.

The organisers also greatly acknowledge the exhibitors: R-Biopharm AG, Shimadzu (Benelux), Thermo Fisher Scientific B.V., Affinisep, Charm Sciences Inc, EuroProxima, Unisensor, Randox, AB Sciex, Bruker Nederland, Agilent Technologies Netherlands, Waters Chromatography, Farma Research Animal Health/ABL, Fera Science, LGC, RIKILT part of Wageningen University & Research
The Conference
It is our pleasure to welcome you at the EuroResidue VIII conference, organised from 23 to 25 May 2016 in Egmond aan Zee, The Netherlands.

The EuroResidue Conferences are organized to cover all aspects concerning residues of veterinary drugs, such as analytical techniques, pharmacological and toxicological studies, registration and regulation and others. Special emphasis is laid upon recent developments with respect to the detection and determination of drug residues in any analytical matrix.

Former EuroResidue Conferences were held in 1990, 1993, 1996, 2000, 2004, 2008 and 2012. The last “Ghent” conference took place in June 2014. Euroresidue brings together experts and interested persons from various scientific disciplines to enable them to meet each other to discuss developments and problems in the field of residue analysis and to exchange ideas. The conference location has meeting rooms, hotel rooms, restaurants and bars all under a single roof and offers excellent opportunities for informal contacts. The Dutch seaside is not further than 100 meters away, offering opportunities to take deep breaths of fresh sea air to clear one’s head after a long day of inspiring presentations and discussions.

The conference consists of keynote lectures on different themes, oral and poster presentations and an exhibition. We hope you will enjoy your stay in The Netherlands and your participation in EuroResidue VIII.

Scientific outline
In addition to the general topics related to the scope of the conference, EuroResidue VIII will features a number of specific topics. Oral and/or poster presentation are presented on:

• New techniques and approaches
• Broad screening methods, big data, non-targeted screening
• Advances in confirmatory analysis, new techniques
• The environment and residues
• Antibiotic resistance and alternatives to antibiotics

Contact and information
E-mail: Euroresidue@congreservice.nl
Website: http://euroresidue.nl
Mail address: EuroResidue
PO Box 957
NL-5600 AZ Eindhoven, The Netherlands
Telephone: +31 (0)40 2132222

Venue
The EuroResidue VIII conference takes place in Hotel Zuiderduin, Egmond aan Zee, The Netherlands. This hotel is located approximately 30 kilometres from Amsterdam Airport (Schiphol). Transport between airport and hotel will be available. Please visit the website of hotel Zuiderduin for more information: www.zuiderduin.nl.

For booking of accommodation please visit the EuroResidue website: www.euroresidue.nl.
Travel to EuroResidue VIII
Schiphol airport is close to Egmond aan Zee. On Sunday 22nd of May transport from Schiphol to Egmond aan Zee will be arranged between 3 and 6 PM. If traveling by public transport, train/busses please visit http://9292.nl/en# to plan your trip.

If travelling by car, please visit the website of Hotel Zuiderduin for a route description. A car park is available near the hotel.

Weather in The Netherlands in May
In May temperatures range between 15-22 degrees Celsius. Both rain and sunshine are possible. So be prepared for this.

Programme
During the plenary sessions, key lectures and oral presentations will be delivered. All posters will be presented throughout the whole conference period. The coffee/tea breaks provide ample opportunity to look at the posters, meet the presenters and visit the exhibitors.

Workshops
On Sunday the 22nd of May a pre-conference workshop is organised titled: “Residue analysis for dummies” – a pre-conference workshop to familiarize yourself with concepts and colleagues. We believe this is a good start for everybody who is (relatively) new in the residue field. The workshop will start at 13.00 and finishes at 17.00. Registration for this workshop can be done via email to euroresidue@congresservice.nl. On Tuesday the 24th of May a workshop titled: ”Risk based approaches for monitoring” is organised after the plenary session. No special registration is required.

Vendor meetings
On Monday, AB Sciex hosts a lunch meeting for a limited group of participants. On Monday afternoon, Agilent Technologies Netherlands hosts a cocktail seminar. On Tuesday, Thermo Fisher Scientific will also host a lunch meeting. Invitations and registration requests will be emailed to registered participants in due time.

Exhibition
During the conference an exhibition of laboratory equipment, analytical instruments, test kits, training institutes and consumables is organised. Lunch and coffee/tea breaks will provide sufficient time to visit this exhibition, which is located close to the posters.

Conference Language
English only.
Proceedings and Special Issue
The conference proceedings will be available at the beginning of the conference in an electronic format and are provided to all registered participants without additional charge. In addition, manuscripts offered for scientific peer-reviewing, will be published upon acceptance in a special issue of Food Additives & Contaminants. Manuscripts can be submitted online and must be prepared according to the Publisher’s guidelines. An appropriate link will be provided on the EuroResidue website: www.euroresidue.nl. The deadline for submission of the papers is July 1st 2016.

All presenters of posters are kindly requested to send in a copy of their poster as a pdf-file of the poster. These files will become available for viewing on EuroResidue’s website following the conference. The pdf-files can be submitted before the symposium as an attachment to an email message addressed to euroresidue@congresservice.nl or offered to the registration desk during the symposium.

Social programme
A get-together party is organised at hotel Zuiderduin with food and drinks on Sunday evening 22nd of May from 17.00-20.00

On Monday evening 23rd of May an excursion is organised. At 19.30 in the lobby of the hotel a GPS adventure walk will start. Groups will depart one by one. Around 22.00 the first prize winner will be announced in the pub bar of Hotel Zuiderduin. Bring walking shoes and rain jackets, depending on the weather forecast.

For participants who want to stay in the hotel the bowling courts of Zuiderduin are reserved from 20.00-22.00 to play a game of bowling. The courts can be found on the minus 1 level of the complex. Prior reservation is not needed.

On Tuesday evening 24th of May, the organising committee cordially invites you for a symposium dinner and beach party. The location is at walking distance from the hotel. The organisation will show you the way. On the beach at the seaside food and drinks will be served. A welcome drink will be served at 19.30, and there will be beach party entertainment. Dress code: casual, beach party.
Programme

Sunday 22nd May 2016

13.00-17.00 Pre-conference workshop:
"Residue analysis for dummies" RIKILT /SARAF- LABERCA

16.00-20.00 Registration open

17.00-20.00 Get-together party in Hotel Zuiderduin

Monday 23rd May 2016

8.45-9.15 Opening of the EuroResidue VIII conference
EuroResidue foundation
Opening address:
Dr. Ir. H. Paul, Inspector General of the Dutch Food Safety Authority

First session Antibiotics, residues and resistance
Chairman: T. Burnett
Co-chairman: A.A.M. Stolker

9.15-10.00 Keynote lecture 1 (KN1)
Prof. Dr. Dan I. Andersson
Uppsala University, Sweden
Evolution of antibiotic resistance at very low antibiotic concentrations

10.00-10.20 Dr. Petra Gowik (O1)
BVL, Berlin, Germany
A monitoring study on the level and frequency of antibiotic residues in food producing animals in Germany

10.20-10.40 Dr. Brigitte Roudaut (O2)
ANSES, Fougères, France
Contribution of LC-MS/MS methods to detection and identification of antibiotic residues in meat – Application in official control in France

10.40-11.10 Coffee break, poster viewing and exhibition

11.10-11.55 Keynote lecture 2 (KN2)
Prof. Dr. Pierre-Louis Toutain
Toulouse, France
Veterinary medicine needs new and innovative green antibiotics
<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Institution</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.55-12.15</td>
<td>Dr. Shabbir Simjee (O3)</td>
<td>Elanco Animal Health, Basingstoke, United Kingdom</td>
<td>Responsible use of antimicrobials in veterinary medicine: The EU vs. USA approach to AGPs</td>
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<td>12.15-12.35</td>
<td>Dr. Andrew Cannavan (O4)</td>
<td>FAO, Rome, Italy and IAEA, Vienna, Austria</td>
<td>Global perspectives on antimicrobial resistance in the food chain</td>
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<tr>
<td>12.35-13.45</td>
<td><strong>Lunch and poster presentations</strong></td>
<td>Lunch is served near the exhibition booths</td>
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<td>12.45-13.30</td>
<td>Vendor Seminar: AB Sciex</td>
<td>Dr. Jens Dahlman, AB Sciex, Germany</td>
<td>What’s in Your Food? Accurately Find and Identify Residues and Contaminants with Advances in LC-MS/MS</td>
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<tr>
<td>13.45-14.30</td>
<td><strong>Keynote lecture 3 (KN3)</strong></td>
<td>Dr. Chris Sinclaire, Fera Science Ltd, York, United Kingdom</td>
<td>The Environmental Impact of Veterinary Medicines</td>
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<tr>
<td>14.30-14.50</td>
<td>Dr. Astrid Spielmeyer (O5)</td>
<td>Justus Liebig University Gießen, Germany</td>
<td>Spirits that we’ve cited our commands ignore - The fate of antibiotics in manure</td>
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<tr>
<td>14.50-15.10</td>
<td>Dr. Danny Chan (O6)</td>
<td>FERA Science Ltd, York, United Kingdom</td>
<td>Variability of residue concentrations of ciprofloxacin in honey from treated hives</td>
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<tr>
<td>15.10-15.40</td>
<td><strong>Coffee break, poster viewing and exhibition</strong></td>
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<td>15.40-16.25</td>
<td><strong>Keynote lecture 4 (KN4)</strong></td>
<td>Dr. Jin-Wook Kwon, Ministry of Food and Drug Safety, Busan, Republic of Korea</td>
<td>Management of antimicrobials in the environment: What have we learned and what should we prepare for the future?</td>
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</table>
16.25-16.45 Dr. Steven Crooks (O7)
Agri-Food and Biosciences Institute, Belfast, United Kingdom
An investigation into the sources of contamination of cattle with the veterinary
drug phenylbutazone

16.45-17.05- Dr. Tina van den Meersche (O8)
ILVO, Melle, Belgium
Quantification of five different classes of veterinary antibiotics in (processed)
swine manure using a validated UHPLC-MS/MS method

17.15-18.00 Agilent Technologies Netherlands drinks and seminar
Martin Haex
Agilent Technologies, The Netherlands
Screening of Veterinary Drugs by LCMS
Solutions and workflows for Screening, Identification and Quantification by LCMS
QQQ and LCMS QTOF

Wim van Duinkerken
Agilent Technologies, The Netherlands
The fast track to high quality results for food safety screening

18.15-19.15 Dinner in Hotel Zuiderduin

19.30-22.00 Excursion, lobby Hotel Zuiderduin

20.00-22.00 Optional bowling lanes reserved for EuroResidue participants in Hotel
Zuiderduin

TUESDAY 24TH MAY 2016

Third session New techniques, confirmatory analysis
Chairman: L. Vanhaecke
Co-chairman: J. Boison

9.00-9.45 Keynote lecture 5 (KN5)
Prof. Dr. Bruno Le Bizec
LABERCA, Nantes, France
An overview of latest advanced technological options for residue analysis

9.45-10.05 Dr. Anton Kauffmann (O9)
Official Food Control Authority, Zurich, Switzerland
Ion mobility coupled to high resolution mass spectrometry: The possibilities, the
limitations
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<tr>
<th>Time</th>
<th>Speaker/Presenter (O#)</th>
<th>Institution</th>
<th>Title/Abstract</th>
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<tr>
<td>10.05-10.25</td>
<td>Ir. Christelle Robert (O10)</td>
<td>CER, Marloie, Belgium</td>
<td>Development of Immunomagnetic precipitation methods for the detection of recombinant bovine somatotropine by UHPLC-MS/MS</td>
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<td>10.25-10.45</td>
<td>Dr. Roberta Galarini (O11)</td>
<td>Istituto Zooprofilattico Sperimentale dell’Umbria e delle Marche, Perugia, Italy</td>
<td>Confirmatory multiclass method for residues of antimicrobials in milk by LC-HRMS/MS</td>
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<td>10.45-11.15</td>
<td><strong>Coffee break, poster viewing and exhibition</strong></td>
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<td><strong>Fourth session</strong></td>
<td><strong>Alternative matrices</strong></td>
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<td><strong>Chairman:</strong></td>
<td>S. Croubels</td>
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<td><strong>Co-chairman:</strong></td>
<td>K. Mitrowska</td>
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<td>11.15-11.45</td>
<td>Robin Wegh MSc (O12)</td>
<td>RIKILT, Wageningen, The Netherlands</td>
<td>New strategies to enforce illegal and non-registered use of veterinary drugs.</td>
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<tr>
<td>11.45-12.05</td>
<td>Dr. Wim Reybroeck (O13)</td>
<td>ILVO, Melle, Belgium</td>
<td>Testing of Saliva as ante-mortem screening for antimicrobials in pigs</td>
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<td>12.05-12.25</td>
<td>Dr. Eline Kowalski (O14)</td>
<td>Ghent University, Merelbeke, Belgium</td>
<td>Insects on your plate: monitoring chemical contaminants and residues</td>
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<td>12.25-12.45</td>
<td>Dr. Javiera Cornejo (O15)</td>
<td>University of Chile, Santiago, Chile</td>
<td>Depletion study of oxytetracycline (OTC) and 4-epi-oxytetracycline (4-epi-OTC) residues in claws of broiler chickens by liquid chromatography tandem mass spectrometry</td>
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<tr>
<td>12.35-14.00</td>
<td><strong>Lunch and poster presentations</strong></td>
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Fifth session  Validation and criteria approaches
Chairman:  E. Verdon
Co-chairman:  U. Vincent

14.00-14.45  Keynote lecture 6 (KN6)
Dr. Bjorn Berendsen
RIKILT, Wageningen, The Netherlands
Time for an update! A unique collaborative study to assess confirmatory analysis performance criteria in veterinary drug residue analysis

14.45-15.05  Dr. Monique Bienenmann-Ploum (O16)
RIKILT, Wageningen, The Netherlands
Validation of multiplex bead based assays for the simultaneous detection of coccidiostats, antimicrobials and beta-agonists

15.05-15.25  Dr. Joe Boison (O17)
Canadian Food Inspection Agency, Saskatoon, Canada
Approaches to validation of methods for regulatory use

15.25-15.45  Dr. Katrin Kittler (O18)
Federal Office of Consumer Protection and Food Safety, Berlin, Germany
Investigations on the influence of hydrolysis on the total amount of marker residue and the consequences

15.45-16.05  Dr. Mark Sykes (O19)
Fera Science Limited, York, United Kingdom Chloramphenicol proficiency tests on a global scale – unforeseen consequences

16.05-16.25  Dr. Jens Hinge Andersen (O20)
National Food Institute, DTU Food, Søborg, Denmark
Sample-based reporting of official national control of veterinary drug residues

16.25-16.45  Tea break, poster viewing and exhibition

16.45-18.15  WORKSHOP Risk based approaches for monitoring
Dr. Matthew Sharman
Fera Science Ltd, York, United Kingdom
Hans van Rhijn, MSc
Dutch Food Safety Authority, Utrecht, The Netherlands

19.30  Conference dinner and party by the seaside
**Wednesday 25<sup>th</sup> May 2016**

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<th>Sixth session</th>
<th><strong>Broad screening</strong></th>
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<td><strong>Chairman:</strong></td>
<td>G. Dervilly-Pinel</td>
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<tr>
<td><strong>Co-chairman:</strong></td>
<td>R. Granja</td>
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| 9.00-9.20     | Dr. Kathrin Schmidt (O21)  
BVL, Berlin, Germany  
Application of LC-QTOF technology for screening for hormonally active substances in matrices of animal origin |

| 9.20-9.40     | Dr. Roberto Stella (O22)  
Istituto Zooprofilattico Sperimentale delle Venezie, Legnaro (PD), Italy  
Targeted proteomics for dexamethasone treatment in bovines |

| 9.40-10.00    | Dr. Mario Botta (O23)  
Istituto Zooprofilattico Sperimentale del Piemonte Liguria e Valle d’Aosta, Turin, Italy  
The histopathological approach for the monitoring of the illegal administration of growth promotors in food producing animals |

| 10.00-10.45   | **Coffee break, poster viewing and exhibition** |

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<th>Seventh session</th>
<th><strong>Broad screening continued</strong></th>
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<td><strong>Chairman:</strong></td>
<td>G. Hamscher</td>
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<tr>
<td><strong>Co-chairman:</strong></td>
<td>Jin-Wook Kwon</td>
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| 10.45-11.05     | Dr. Pilar Marco (O24)  
CSIC/IQAC, Barcelona, Spain  
Site-encoded DNA strategies for residue analysis |

| 11.05-11.25     | Jérémy Marchand (O25)  
LABERCA, Nantes, France  
Lipidomics: an alternative and complementary tool to highlight biomarkers of growth promoting practices |

| 11.25-11.45     | Marco H. Blokland, MSc (O26)  
RIKILT, Wageningen, The Netherlands  
The Dutch approach for the detection of (synthetic) natural steroids in The Netherlands: A retrospective overview |

| 11.45-12.05     | Dr. Gaud Dervilly-Pinel (O27)  
LABERCA, Nantes, France  
Are biomarkers universal and transferable?
12.05-12.25  Lieven van Meulebroek (O28)
Ghent University, Merelbeke, Belgium
Discovery of a urinary biomarker to discriminate between semi-endogenous and exogenous thiouracil in cattle

12.25-13.00  Closing of the EuroResidue conference
Poster Presentations

P1. Simultaneous 5in1-sample preparation and multiplexed automated analysis by ChemWell® bioanalyzer of chloramphenicol and nitrofuran metabolites in shrimp.
Czymai, T., R-Biopharm AG, Germany

P3. Unified approach for the detection of unknowns in complex matrices; an example of a beta-agonist in urine.
Gerssen, A., RIKILT - Wageningen UR, The Netherlands

P4. Development and validation of a chiral hplc-ms/ms method for the identification of chloramphenicol isomers and quantification of (R,R)-para-CAP.
Mioch, D., Ducares, The Netherlands

P6. Validation of a Method for the Determination of Residues of β-Lactam Antibiotics in Milk by LC-MS/MS .
Bohm, A., Federal Office of Consumer Protection and Food Safety (BVL), Germany

P7. Validation of a Method for the Determination of Residues of Triphenylmethane Dyes in Aquaculture Products by LC-MS/MS .
Eich, J., Federal Office of Consumer Protection and Food Safety (BVL), Germany

Moragues, F., Public Health Laboratory of Valencia-Fisabio, Spain

Staub Spörri, A., Switzerland

Smal, M., Elanco, Australia

P11. Determination of nitroimidazole residues in poultry feathers using SupelMIP SPE and HPLC-MS/MS.
Cirkva, A., Institute for State Control of Veterinary Biologicals and Medicines, Czech Republic

P12. Rapid detection of the resistance to beta-lactam antibiotics in gram-negative bacteria by MS analysis.
Stolker, A.A.M., RIKILT, The Netherlands

P13. Feather segmentation analysis in order to monitor off-label use of antibiotics in the poultry sector.
Jansen, L.J.M., RIKILT, The Netherlands
P14. Strategies to distinguish synthetic from naturally produced chloramphenicol.
Gerritsen, H., RIKILT, The Netherlands

P15. Deposition and depletion of maduramicin and monensin residues in eggs resulting from misuse of feed for target species.
Varenina, I., Croatian Veterinary Institute, Croatia

P17. Production of secondary antibody for the development of screening method for the determination of tetracyclines residues in milk.
Nesterenko, I.S., FGBU VGNKI, Russian Federation

P18. Veterinary drug analysis in animal origin food and feed and their relevant products: a modern multi-class, multi-residue method using LC-MS/MS.
Zhao, H., Covance, USA

Yunin, M., VGNKI, Russian Federation

Gili, M., Istituto Zooprofilattico Sperimentale PLV, Italy

P21. Results of Proficiency Testing for the Analysis of (Fluoro)Quinolone Residues in Trout (Species).
Fuselier, R., Anses, France

P22. Optimised deconjugation of androgenic steroidconjugates in bovine urine.
Pedersen, M., National Food Institute, Denmark

Pellicciotti, S., Istituto Zooprofilattico della Lombardia e dell’Emilia Romagna, Italy

Gebbink, W.A., RIKILT, The Netherlands

Pellicciotti, S., Istituto Zooprofilattico della Lombardia e dell’Emilia Romagna, Italy

P26. Validation of a screening and confirmatory method for tiamulin in liver by LC-MS/MS.
Palmqvist, V., Danish Veterinary and Food Administration, Denmark
P27. Towards responsible use of antibiotics without loss of a good udder health.
Supré, K., MCC-Vlaanderen, Belgium

Supré, K., MCC-Vlaanderen, Belgium

P30. Screening for veterinary drug residues and steroids in meat using HRMS and a data-independent acquisition mode.
Van Poucke, C., ILVO, Belgium

Batov, I., The All-Russian State Center for Quality and Standardization of Veterinary Drug, Russian Federation

P32. Target and post-target analysis of antibiotics in animal tissue by UHPLC-HRMS.
Igualada, C., Public Health Laboratory of Valencia, Spain

P33. Excretion profile of 17β,19-nortestosterone and its main metabolite in bovine urine after intramuscular administration.
Ferranti, C., Istituto Superiore della Sanità, Italy

P34. Non steroidal anti-inflammatory drug analysis in milk by QuEChERS and HPLC-MS: low and high resolution detection and confirmation approaches.
Rubies Prat, C., Laboratori de L’Agencia de salut Publica de Barcelona, Spain

P35. Pharmacokinetics of abamectin in combination with monepantel is not impacted by cytochrome P450 induction.
Smal, M., Elanco, Australia

P36. Research into antibiotic metabolites in manure for the enforcement of antibiotic use.
Bor, G., Rikilt, The Netherlands

P38. A comprehensive method for the determination of 20 coccidiostats residues in various food matrixes.
Pietruk, K., National Veterinary Research Institute, Poland

P39. The occurrence of chloramphenicol residues in tissues of chickens exposed to low dietary concentrations of the chloramphenicol.
Rejtharova, M., USKVBL, Czech Republic

P40. The determination of testosterone esters and estradiol esters in bovine and porcine blood serum.
Rejtharova, M., USKVBL, Czech Republic
P41. Screening method for the identification of banned compounds in urine. 
Zuidema, T., RIKILT, The Netherlands

P42. Effect of diet rich in cruciferous plants to the presence of endogenous thiouracil in urine and milk of cattle. 
Wozniak, B., National Veterinary Research Institute, Poland

P43. Bio-assay directed identification of unknowns by advanced LC-HRMS. 
Zuidema, T., RIKILT, The Netherlands

Papapanagiotou, E., Aristotle University of Thessaloniki, Greece

P46. Determination of fenbendazole residues in fermented dairy products by ion-pair liquid chromatography. 
Vousdouka, V., Aristotle University of Thessaloniki, Greece

P47. Rapeseed-enriched diet and low-level thiouracil administration in cattle: impact on thyroid hormone metabolism. 
Wauters, J., Ghent University, Belgium

P48. Online 2D-LC QToF-MS for small molecule applications. 
Schans van de, M.G.M, RIKILT, The Netherlands

P49. QTRAP®LC-MS/MS method for determination of estradiol in bovine serum with 4-(dimethylamino) benzoyl chloride derivatization . 
Matraszek-Zuchowska, I., National Veterinary Research Institute, Poland

P51. Determination of antibiotic residues in honey. 
Schoeman, M.G., RIKILT, The Netherlands

P52. Determination of the metabolites of nitrofuran antibiotics in animal tissues and associated products by liquid chromatography-tandem quadrupole mass spectrometry. 
Hird, J., Waters, United Kingdom

Chu, S., FDA, USA

P54. A simplified multi-class method for simultaneous determination of growth promoters by LC-MS/MS. 
Kaplan, M., Tubitak Marmara Research Centre, Turkey
P55. Rapid detection of β-lactam antimicrobial resistance in bacteria by instrumental analysis.
Kang, J.W., Animal and Plant Quarantine Agency, South-Korea

P56. Simple extraction method for simultaneous detection of 75 veterinary drugs in pork, beef, chicken and milk using gradient LC-MS/MS.
Chun, S., Ministry of Food and Drug Safety, South-Korea

P57. Drugs of abuse and other influences on steroid profile using new validated methods.
Popova, R., Bulgarian Anti-doping Centre, Bulgaria

P59. Fast quantitative multi method for analysis of prohibited substances using LC/MSMS.
Petrova, A.P., Bulgarian Anti-doping Center, Bulgaria

P60. UHPLC-MS/MS analysis of thyreostats in bovine faeces.
Witek, S., National Veterinary Research Institute, Poland

P61. Determination of polypeptide antibiotic residues in muscle and milk samples by liquid chromatography-tandem mass spectrometry.
Bladek, T., National Veterinary Research Institute, Poland

P62. Transfer of nitroimidazoles from contaminated beeswax to honey.
Mitrowska, K., National Veterinary Research Institute, Poland

P63. Tissue distribution and residue depletion of metronidazole in rainbow trout (Oncorhynchus mykiss).
Mitrowska, K., National Veterinary Research Institute, Poland

P64. Confirmatory analysis of antibacterial residues in food of animal origin in Poland.
Gajda, A., National Veterinary Research Institute, Poland

P65. Combining standard addition with blank addition.
Steliopoulos, P., CVUA Karlsruhe, Germany

P66. Determination of flubenzurons in seafood BY LC-MS-QQQ.
Hannisdal, R., NIFES, Norway

P68. Confirmatory method for the determination of acidic and basic NSAIDs in milk by LC-MS/MS.
Kittler, K., Federal Office of Consumer Protection and Food Safety, Germany

P69. LC-MS/MS determination of corticosteroids and non-steroidal anti-inflammatory drugs residues in food, development and comparison with LC-HRMS.
Giannetti, L., IZS-Lazio e Toscana, Italy
P70. Comparing the performances of ms/ms and hrms analysers in the fast analysis of multiclass antibiotic residues in milk.  
Biancotto, G., Istituto Zooprofilattico Sperimentale delle Venezie, Italy

P71. Development and validation of a multi-residue LC-MS/MS analysis for the detection of aminoglycosides in milk.  
Daeseleire, E., ILVO, Belgium

Benetti, C., Istituto Zooprofilattico Sperimentale delle Venezie, Italy

P74. Multimethod for antibiotic analysis using 2-D liquid chromatography mass spectrometry.  
Zuidema, T., RIKILT, The Netherlands

P75. Multiresidue and Multi-class determination of Antibiotics and Anthelmintics in Feed by High Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry.  
Robert, C., CER groupe, Belgium

P77. Rapid and specific extraction of anabolic steroids (A1, A3, A4) and corticosteroids in urine before detection and identification by UPLC-MS.  
Dubois, M., CER groupe, Belgium

P81. Passive samplers, as surrogates for biological monitoring, to measure emerging (micro)pollutants in the marine environment.  
Huysman, S., Ghent University, Belgium

P82. Production of antiserum to phenylbutazone and oxyphenylbutazone for use in immunochemical detection assays.  
Traynor, I., Agri-Food and Biosciences Institute, United Kingdom

P84. Abuse of anabolic agents in beef cattle: bile as a possible alternative matrix for official control.  
Galarini, R., Istituto Zooprofilattico Sperimentale dell’Umbria e delle Marche, Italy

P85. Which analytical techniques can reduce matrix effects in LC-MS analysis.  
Kaklamanos, G., Veterinary Laboratory of Serres, Greece

P86. Implementation an analytical methodology for detection of Sulfachlorpyridazine (SCP) residues in broiler chickens' feathers by liquid chromatography tandem mass spectrometry.  
Cornejo, J., University of Chile, Chile

P87. Depletion study of oxytetracycline (OTC) and 4-epi-oxytetracycline (4-epi-OTC) residues in feathers of broiler chickens by liquid chromatography tandem mass spectrometry.  
Cornejo, J., University of Chile, Chile
Houts van, P., Bruker, The Netherlands

P89. Validation of an analytical methodology for the detection of florfenicol (FF) and florfenicol amine (FFA) residues in feathers by LC-MS/MS.
Cornejo, J., University of Chile, Chile

P90. Multi-target pesticide screening using atmospheric pressure chemical ionization GC coupled to high-resolution Q-TOF-MS.
Heijden van der, R., Bruker, The Netherlands

P92. Enrofloxacin and ciprofloxacin residues in broiler chicken feathers after oral administration.
Mestorino, N., Veterinary Faculty, Argentina

P93. Quechers method for simultaneous determination of veterinary drugs and pesticides analysis in milk by LC-MS/MS.
Öktem Olgun, E., Tubitak, Turkey

P95. Dye residues in aquaculture products: implementation of targeted and non-targeted approaches.
Dubreil, E., ANSES, France

P96. Multiplex bead-based assay for the simultaneous on-site detection of forty-two antimicrobials in drinking water and feathers.
Bienenmann-Ploum, M., RIKILT, Wageningen, The Netherlands

P97. Screening and verification of steroid esters in porcine hair using LC-QTOF-MS.
Frandsen, H., National Food Institute, Technical University of Denmark, Denmark

P98. Proficiency test for resorcylic acid lactones in bovine urine.
Elbers, I., RIKILT, The Netherlands

Koukouranos, A., Aristotle University of Thessaloniki, Greece

P100. Long term detectability of recombinant bovine somatotropin in serum and milk.
Smits, N.G.E., RIKILT, The Netherlands

P101. Treatment of laying hens with nitroimidazoles - detectability of residues in eggs, feathers and preen oil.
Polzer, J., BVL, Germany
P102. Gel permeation chromatography clean-up for the determination of growth promoters in kidney fat by liquid chromatography-tandem mass spectrometry.
Kaklamanos, G., Veterinary Laboratory of Serres, Greece

P103. Proficiency Testing in Food control - Added value by offering traceability to SI-units?
Polzer, J., BVL, Germany

P104. Investigation of matrix effects on selected veterinary drugs in LC-MS.
Polzer, J., BVL, Germany

P105. Intestinal and plasma concentrations of florfenicol in pigs after (non-)conventional oral and intramuscular treatment, within the context of resistance selection.
De Smet, J., Ghent University, Belgium

P106. The utility of ion mobility in an accurate mass screening workflow for detection of veterinary drug residues in complex matrices.
Stead, S.L., Waters corp, United Kingdom

P107. Veterinary Drugs in Import Honeys: Evidence and legal aspects.
Frerichs, H., Institut für Hygiene und Umwelt, Germany

P108. Determination of ampicillin residues below their eu-regulatory limits in muscle, liver and plasma of chicken by LC-MS/MS.
Mompelat, S., ANSES - Fougères Laboratory, France

P109. High sensitivity automated turboflow online UPLC-MS/MS methods for determination of chloramphenicol residues in honey, royal jelly and milk.
Quaglia, G., Floramo Corporation Srl, Italy

P110. Validation of an analytical methodology for detection of oxytetracycline (OTC), chlortetracycline (CTC) residues and its metabolites in feathers by LC-MS/MS.
Pokrant, E., University of Chile, Chile

P111. Rapid analysis of sedatives, basic and acidic nsaid´s in kidney and muscle by LC-MS/MS.
Söderlund, S.T., National Food Agency, Sweden

P112. The depletion of doxycycline residues in poultry tissues
Mestorino, N., Veterinary Faculty, Argentina

P113. Use of Cephalosporins in Veterinary medicine Results of the German National Antibiotic Resistance Monitoring (GERM-Vet).
Kaspar, H., Federal office of consumer protection and food safety, Germany
P114. Doxycycline residues in edible tissues of pigs.  
Mestorino, N., Veterinary Faculty, Argentina

P115. Resolution of a disputed albendazole result in the UK Official Control System - time for more guidance?  
Firpo, L., LGC Group, United Kingdom

Meijer, T., RIKILT, The Netherlands

P117. Chloramphenicol residues in pigs treated with low oral doses  
Törnkvist, A., National Food Agency, Sweden

P118. Validation of the Betastar S Combo for the rapid screening of milk for residues of β-lactams and tetracyclines.  
Reybroeck, P., ILVO, Belgium

Daeseleire, E., ILVO, Belgium

P120. B ZERO CAP HS: a new master-curve calibrated immunoassay for the detection of chloramphenicol in foodstuffs.  
Gon, F., Tecna s.r.l., Italy

P121. Residue depletion of ivermectin in chickens poultry  
Mestorino, N., Veterinary Faculty, Argentina

P124. Development and validation of a microplate-based ELISA for the detection of chloramphenicol in food samples.  
Hernández-Albors, A., CIBER-BBN/IQAC-CSIC, Spain

P126. Wide-range screening of banned substances in bovine urine.  
Moretti, S., Istituto Zooprofilattico Sperimentale Dell’Umbria E Delle Marche, Italy

P127. New approach based on immunochemical techniques for the monitorization of Selective estrogen receptor modulators (SERMs) in clinical samples.  
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P129. A new sorbent for cleanup of seafood extracts prior to multiresidue veterinary drug LC-MS analysis.  
McCall, E., Waters, United Kingdom
   McNamee, S.E., Queen’s University Belfast, United Kingdom

P134. Increasing specificity and sensitivity for veterinary drug residue screening using ion mobility
   and microfluidic UPLC in a routine work flow.
   McCullagh, A., Waters Corporation, United Kingdom

P135. Validation of 4SENSOR® Milk KIT060 for the testing of raw milk on the presence of β-lactams,
   tetracyclines, (dihydro)streptomycin and chloramphenicol.
   Reybroeck, P., ILVO, Belgium

P136. The impact of enzymatic hydrolysis in the proper quantification of ractopamine as a drug residue
   in swine muscle matrix.
   Rodrigues Caldeira, L., Ministério da Agricultura, Pecuária e Abastecimento, Brazil

P137. Pilot Project for a Chilean National Reference Laboratory.
   San Martín, B., Universidad de Chile, Chile

P140. Optimization of an Extraction Method in Attempt to Develop a Multi-Class Antibiotic Residues
   in Honey using LC-MS/MS.
   El Hawari, K., CNRS-CLEA, Lebanon

P141. Determination of growth hormone-releasing hexapeptide in bovine urine by LC-MS/MS.
   Gerli, V., RIKILT, The Netherlands

P142. Deconjugation of steroids in urine: Is there an ultimate method for complete deconjugation
   of steroids in urine?
   Brink van den, J., RIKILT, The Netherlands

P143. Quantitative analysis of steroids, corticosteroids, resorcylic acid lactones in urine by the use
   of 96-well plates clean-up and narrow-bore UHPLC-MS/MS.
   Blokland, M.H., RIKILT, The Netherlands

P144. Multiclass, Multiresidue Method for Veterinary Drugs Analysis by LC-MS/MS.
   Desmarchelier, A., Nestlé Research Centre, Switzerland

P148. Analytical strategy based on isotopic cluster identification and mass defect to highlight
   relevant metabolites.
   Dervily-Pinel, G., ONIRIS, France

P149. Detecting beta-agonists treatments in food producing animals: An overview of analytical
   possibilities.
   Dervily-Pinel, G., ONIRIS, France
P150. Analytical strategies to detect Selective Androgen Receptor Modulators (SARMs) administration in bovines.
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P151. Ambient mass spectrometry: a high throughput strategy for identification and quantification of anabolic steroid esters.
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P152. Selective estrogen receptor modulators (SERMs) in urine: Development of an LC-MS/MS method and survey of bovine and porcine urine.
Meijer, T., RIKILT, The Netherlands

P153. Abuse or contamination: Ratio determination of clenbuterol enantiomers to distinguish between doping use and meat contamination.
Meijer, T., RIKILT, The Netherlands

P154. Proficiency test veterinary drugs: Implementing the ZSAR method.
Putten van, C., Ducares, The Netherlands

P155. Gas chromatography-mass spectrometry/combustion/isotope ratio mass spectrometry as a confirmatory analysis to prove progesterone administration in bovines.
Janssens, G., Federal Agency for the Safety of the Food Chain, Belgium

P156. HILIC-UHPLC-ESI(+) -HRMS based metabolomics as a predictive tool for detection of anabolic abuse in bovine animals.
Gadaj, A., Queen’s University Belfast, United Kingdom

P157. National Project for implementation of 'Unique system of national reference laboratory in food safety in Chile.
Enriquez, P., Servicio Agricola y Ganadero, Chile

P158. Study of matrix effect on sulfonamides analysis by HPLC-MS/MS.
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P159. Degradation of antibiotics residues in aqueous medium by electrochemical and photoelectrochemical processes.
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P162. A reliable method for detection of ractopamine in bovine muscle by LC-MS/MS attending regulatory safety levels adopted by certain markets.
Granja, R.H.M.M., Microbioticos Laboratories LTDA, Brazil

Ping, S., AVA, Singapore
Charlier, L., Unisensor, Belgium

P166. Analysis of tranquilizers in pork tissue using LC-MS/MS.
Schittko, S., Eurofins WEJ Contaminants, Germany

Schittko, S., Eurofins WEJ Contaminants, Germany

P168. Polypeptide antibiotics in food control - Contribution to reduce drug resistance.
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P169. Non-target and unknown screening of food samples using high resolution LC-MS/MS.
Stahl-Zeng, J., Sciex, Germany

P170. Multi-compound and multi-class identification and quantification using high resolution LC-MS/MS.
Stahl-Zeng, J., Sciex, Germany

Cannavan, A., IAEA, Austria

P173. Effect of heat treatments on sulfadiazine and trimethoprim residues in cow and goat milk with a new LC-UV method.
Papapanagiotou, E., Aristotle University of Thessaloniki, Greece

P174. The discovery of chloramphenicol isomer residues in honey samples.

P176. Residues in poultry fed with high content of polyphenols.
Galarini, R., Istituto Zooprofilattico Sperimentale dell’Umbria e delle Marche, Italy

Bichon, E., LABERCA/Oniris, France

P179. GC/APCI/MS/MS to provide reliable signals for the challenging measurement of androstanediols and estranediols by mass spectrometry.
Bichon, E., LABERCA/Oniris, France

Di Rocco, M., Teagasc Ashtown Food Research Centre, Ireland
P182. Multi-residue determination of antibiotics in European sea bass liver samples (Dicentrarchus labrax) through UHPLC-MS/MS.
Leston, S., University of Coimbra, Portugal

P183. Analysis of chloramphenicol in complex food matrices using a solid phase extraction sorbent based on Molecularly Imprinted Polymers.
Arotcarena, M., AFFINISEP SAS, France

P184. Analysis of Tetracyclines in MEAT using solid phase extraction based on Molecularly Imprinted Polymers.
Arotcarena, M., AFFINISEP SAS, France

Paschoal, A., University of São Paulo, Brazil

P187. Sulfadimethoxine and ormetoprim in aquaculture: study for residue analysis in fish fillet.
Paschoal, A., University of São Paulo, Brazil

P189. The simultaneous analytical method for determination of Flunixin and Tolfenamic acid in animal tissue with LC-MS/MS.
Huang, C.N., Taiwan Food and Drug Administration, Taiwan

P190. Ultratrace analysis of beta lactam antibiotics in animal-derived commodities by UPLC-MS-MS.
Luetjohann, J., GALAB Laboratories GmbH, Germany

Tohill, A., Randox Food Diagnostics, United Kingdom

P192. New biochip array for the simultaneous screening of in-excess of 100 drug residues in milk covering EU regulated drugs.
Tohill, A., Randox Food Diagnostics, United Kingdom

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P197. Fumagillin and Dicyclohexylamine in honey - Residues and Fate.
Heever van den, J.P., Alberta Agriculture and Forestry, Canada
P198. Immunochemical detection of penicillins by using biohybrid magnetic particles.
   Galve, R., IQAC-CSIC, Spain

P199. Confirmation of β-agonists residues in bovine retina and liver using HPLC-MS/MS and
   evaluation of matrix-dependent problems.
   Regal, P., University of Santiago de Compostela, Spain

P200. The effect of pregnancy and lactation stage on the fatty acid profile of bovine milk.
   Regal, P., University of Santiago de Compostela, Spain

P201. Determination of Imidaclorpid and Metabolites residues in liver, kidney and muscle by LC-MS/MS.
   Lombardi, S., SENASA, Argentina

P202. Determination of androgenic steroids in urine by GC-MS.
   Totoricagüen, A., SENASA, Argentina

P203. Enhancing food safety laboratory capabilities and establishing a network in asia to
   control veterinary drug residues and related chemical contaminants.
   Sasanya, J., IAEA, Austria

P204. Marked histological changes in thymus of dairy cows treated with rBST; results of
   3 animal experiments.
   Groot, M.J., RIKILT, Wageningen, The Netherlands

P205. Development and validation of multi-class multi-residue analytical method for determination
   of veterinary drugs in fish by liquid chromatography with tandem mass spectrometry (LCMSMS).
   Attallah, E.R., Central Lab of Residue Analysis of Pesticides and Heavy Metals in Foods, Egypt

P206. Monitoring of corticosteroids in the national plan for control of residues in Russia
   Yunin, M., VGNKI, Russian Federation

P209. Rapid Diagnostic of antimicrobials in the environment
   Agustiandari, F., DSM Sinochem Pharmaceuticals, The Netherlands