3rd INTERNATIONAL CONFERENCE ON

Responsible Use of Antibiotics in Animals

29 SEPTEMBER - 1 OCTOBER 2014

- Current insights
- Sustainable initiatives
- Transparency

Early bird registration

THE ROYAL TROPICAL INSTITUTE
AMSTERDAM THE NETHERLANDS
It is with great pleasure that we announce the 3rd International Conference on Responsible Use of Antibiotics in Animals, to be held in Amsterdam, the Netherlands, on 29 September - 1 October 2014.

Antibiotics are used worldwide both in veterinary and human medicine. The widespread use has heightened concerns about the emergence of antimicrobial resistance, which impacts animal welfare, public health, food safety and environmental exposure.

The objectives of the 3rd International Conference on Responsible Use of Antibiotics in Animals are:

- to give an overview of the current status and ongoing activities with respect to the issue of antibiotic use in animals and antimicrobial resistance;
- to learn about the expectations of different parties involved;
- to identify the areas which need further action with respect to the current scientific knowledge and political expectations; and
- to open up possibilities for effective actions and co-ordination of activities.

As a comprehensive overview, the 3rd International Conference on Responsible Use of Antibiotics in Animals offers an excellent way to network, share ideas, and gain insight into the latest sustainable and transparent initiatives. High-quality speakers, ample time for discussions, and every opportunity to establish rewarding contacts are values the conference wants to uphold.

The conference is bringing together the animal health industry and the medical community; all users of antibiotics in animals, such as veterinarians, animal feed producers, livestock and aquaculture producers, and nutritionists; food processors and manufacturers, and retailers; policy makers and regulatory agencies; researchers in universities and research institutes; and others with an interest in antimicrobial resistance and sustainability of antibiotics, such as educators, agricultural extension staff, consultants, and consumer organisations.

The members of the Advisory Board of the 3rd International Conference on Responsible Use of Antibiotics in Animals are looking forward to meeting you and assure that your participation will be fruitful and productive!

See you in Amsterdam!
# Programme at a Glance

## Monday 29 September 2014

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<td>Plenary Keynote Lectures</td>
<td>Promoting good antimicrobial stewardship</td>
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<td>Trends in antibiotic use per animal species and sectors</td>
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<td>Parallel Session 1</td>
<td>Governmental initiatives and international collaboration</td>
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<td>Parallel Session 2</td>
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<td>17:30 - 18:30</td>
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<td>Conference dinner (reservations only)</td>
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<td>Animal production – the bigger picture</td>
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<td>Conclusions &amp; path forward</td>
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<tr>
<td>13:00</td>
<td>Conference closing</td>
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## Advisory Board

- Dr. Piet van der Aar, Schothorst Feed Research, the Netherlands
- Prof. dr. Johanna Fink-Gremmels, Utrecht University, the Netherlands
- Dr. Patrice Gautier, Asvelis, France
- Dr. Delia Grace, International Livestock Research Institute, Kenya
- Peter J.G. Oostenbach, M.Sc., MSD Animal Health, the Netherlands
- Dr. Stephen Page, Advanced Veterinary Therapeutics, Australia
- Prof. dr. João Palermo Neto, University of São Paulo, Brazil
- Dr. Thomas R. Shryock, Elanco Animal Health, USA
- Prof. dr. Peter Silley, MB Consult Limited and University of Bradford, UK
- Jan Vaarten, Federation of Veterinarians of Europe and World Veterinary Association, Belgium
- Prof. dr. Ching Ching Wu, National Taiwan University, Taiwan
12:45 **Conference opening**  
Dr. Christianne Bruschke, Chief Veterinary Officer – Ministry of Economic Affairs, the Netherlands

**PLENARY KEYNOTE LECTURES:**  
**Promoting good antimicrobial stewardship**  
Until recently, the debate around antibiotic use in animals and antibiotic resistance in people has consisted largely of veterinarians and medics regarding each other as the main problem. Only over the last few years, this debate has become more grown up with both sides recognising their own responsibilities and the necessity of working together.

13:00 **How to get promoted – promoting good antimicrobial stewardship in veterinary medicine**  
Dr. Nicola Williams, Senior Lecturer – Department of Epidemiology and Population Health, Institute of Infection and Global Health, University of Liverpool, UK

13:25 **Antimicrobial stewardship in human medicine within the One Health framework**  
Prof.dr. Herman Goossens, Director and Head – Department of Clinical Pathology, Antwerp University Hospital, Belgium

**PLENARY MEETING:**  
**Trends in antibiotic use per animal species and sectors**

**Chair:** Prof.dr. Johanna Fink-Gremmels, Utrecht University, the Netherlands

13:50 **Role of selective and co-selective agents in persistence of antimicrobial resistance in food animal production systems**  
Prof.dr. Wondwossen Gebreyes, Director of Global Health Programs – Department of Veterinary Preventive Medicine, The Ohio State University, USA

14:15 **Prudent use of antibiotics by the poultry sector: wishful thinking or reality?**  
Dr. Vincent Guyonnet, Scientific Advisor – International Egg Commission, UK

14:40 **Responsible use of antimicrobials in swine health care: work in progress**  
Alex Eggen, Director – AEVC, the Netherlands

15:05 **New tools for an ancient war: antibiotics in the dairy sector**  
Dr. Nico van Belzen, Director General – International Dairy Federation (IDF), Brussels, Belgium

15:30 **Networking break & poster viewing**

16:00 **Responsible use of antibiotic in animals – initiatives of the meat sector**  
(on behalf of the European Livestock and Meat Trading Union (U.E.C.B.V.)):  
- Global view and initiatives of theveal sector: Henk Bekman, M.Sc., The Dutch Meat Association (COV) and Product Board for Livestock and Meat, the Netherlands  
- Initiatives of the pork sector: Dr. Jan Dahl, Chief Advisor – Danish Agriculture and Food Council, Denmark

16:40 **Aquaculture and antibiotics: does our (almost complete) ignorance matter?**  
Prof.dr. Peter Smith, Department of Microbiology, National University of Ireland, Galway, Ireland

17:05 **The aquaculture environment: the focus on sulfonamide and tetracycline resistance genes**  
Prof.dr. Satoru Suzuki, Center for Marine Environmental Studies, Ehime University, Japan

17:30 **Discussion/Q&A**

**17:45 – 18:30 Poster viewing**  
**The Lounge Party**
PARALLEL SESSION 1:
Governmental initiatives and international collaboration

Chair: Dr. Patrice Gaubier, Asvelis, France

08:30 Policy and practice: how the European Union and Member States are attempting to improve responsible use of antibiotics
Prof.dr. Peter Borriello, Chief Executive – Veterinary Medicines Directorate, Department for Environment, Food and Rural Affairs, UK

08:55 Policy and practice: how developing countries are responding to increasing concerns about antibiotic use in animals
Dr. Delia Grace, Programme Manager – International Livestock Research Institute, Kenya

09:20 Latin America initiatives on veterinary drugs and antimicrobial resistance
Prof.dr. João Palermo Neto, University of São Paulo, Brazil

09:45 Overview of antimicrobial resistance prevalence and interventions in ASEAN countries
Dr. Rungtip Chuanchuen, Director – Center for Antimicrobial Resistance Monitoring in Foodborne Pathogens, Thailand

10:10 A One Health approach to antimicrobial resistance surveillance in animals in Australia
Dr. Darren Trott, School of Animal and Veterinary Sciences, The University of Adelaide, Australia

10:30 Networking break & poster viewing

CASE STUDY:
U.S. Food and Drug Administration Guidances for Industry and modernisation of the Veterinary Feed Directive
The major changes in feed antibiotics need to be understood by more parties. This is a significant shift in the practice of food animal medicine in the USA and will result in increased veterinarian oversight.

11:00 Implementing the new antibiotic guidance from FDA
Dr. Richard Carnevale, Vice-President, Regulatory, Scientific, and International Affairs – Animal Health Institute (AHI), USA

11:20 Veterinary oversight and the VFD
Dr. Christine Hoang, Assistant Director, Scientific Activities Division – American Veterinary Medical Association (AVMA), USA

11:40 What FDA Guidance 213 and VFD mean on the farm – a pork producer’s perspective
Dr. Liz Wagstrom, Chief Veterinarian – National Pork Producers Council, USA

12:00 FDA’s antimicrobial resistance policies – the U.S. feed industry’s perspective
David A. Fairfield, Vice President of Feed Services – National Grain and Feed Association (NGFA), USA

12:20 Discussion/Q&A

12:30 – 13:30 Lunch break
Poster viewing
PARALLEL SESSION 2:
Antibiotic alternatives in animal production

Chair: Dr. Piet van der Aar, Schothorst Feed Research, the Netherlands

08:30 Enhancing the power of the immune system
Prof.dr. Huub Savelkoul, Cell Biology and Immunology Group, Wageningen UR, the Netherlands

08:55 Current and future considerations for the veterinary antibiotic pipeline
Dr. Thomas Shryock, Senior Research Advisor Microbiology – Global Regulatory Affairs, Elanco Animal Health, USA

09:15 Alternatives to antibiotics: recent scientific developments
Dr. Cyril Gay, Senior National Program Leader, Animal Health and Safety – Agricultural Research Service, U.S. Department of Agriculture, USA

09:35 Phytobiologics: using redoxigenic plant immunity to support immune systems in pigs
Prof.dr. Ching Ching Wu, Professor of Veterinary Microbiology – National Taiwan University, Taiwan

09:55 Can medicated feed be replaced by pre-/probiotics?
Dr. Joaquim Brufau, Director – Centre Mas de Bover, Investigación y Tecnología Agroalimentarias (IRTA), Spain

10:15 Health benefits by reducing inflammation and improving gut integrity
Dr. Albert van Dijk, Director of Species Support – Neovia, InVivo NSA Group, France

10:30 Networking break & poster viewing

11:00 Phage therapy versus antibiotherapy: can bacteriophages be effective alternatives for pathogen control?
Dr. Joana Azeredo, Centre of Biological Engineering, University of Minho, Portugal

11:20 From smallest to biggest feed additives: organic acids and enzymes in feed hygiene and gut flora management
Dr. Markus Matuschek, Global Marketing Animal Nutrition – BASF, Germany

11:40 Use of dietary quorum quenching enzymes as bacterial disease prevention in aquaculture
Prof.dr. Zhigang Zhou, Director – Feed Research Institute, Chinese Academy of Agricultural Sciences, China

12:05 I have developed a great product, now what? Regulatory issues!
Ruud Bremmers, Managing Director – Regal, the Netherlands

12:30 - 13:30 Lunch break
Poster viewing
PARALLEL SESSION 3:
Stakeholder initiatives on responsible use of antibiotics

Chair: Gwyn Jones, EPRUMA (European Platform for Responsible Use of Medicines in Animals) and COPA-COGECA (European Farmers and European Agri-Cooperatives), Belgium

13:30 Biocheck, a risk-based biosecurity scoring system
Prof. Dr. Jeroen DeWulf, Department of Reproduction, Obstetrics and Herd Health, Ghent University, Belgium

CASE STUDY:
From disease prevention through disease detection and retrieving health status to improving health status – the EPRUMA scheme

14:00 Introduction to EPRUMA
Gwyn Jones, Chairmain – EPRUMA, Belgium

14:15 The farmer’s role and management options regarding biosecurity, housing and nutrition

14:30 The veterinarian’s role and options regarding disease detection, diagnosis, treatment and prevention
John Blackwell, President Elect – British Veterinary Association, UK

14:45 Current and future tools for identification of pathogens and sensitivity to antibiotics
Liesbeth Jacobs, Prionics Lelystad, the Netherlands (on behalf of the European Manufacturers of Veterinary Diagnostics (EMVD))

15:00 The animal health industry’s role and options regarding veterinary medicines and other tools/services for treatment and prevention
Dr. Olivier Espeisse, Elanco Animal Health, Belgium

15:15 Networking break & poster viewing

SUBSESSION:
National and international initiatives

15:45 GRSB’s approach to technology and Innovation
Dr. Ruariadh Petre, Executive Director – Global Roundtable for Sustainable Beef (GRSB), the Netherlands

16:05 The Dutch approach for responsible veterinary use of antibiotics: the secrets to success
Dr. Hetty van Beers-Schreurs, Director – The Netherlands Veterinary Medicines Authority (SDa), the Netherlands

16:25 The Alberta Platform for the Responsible Use of Medicine in Animals (APRUMA)
Dr. Duane Landals, Senior Advisor – Alberta Veterinary Medical Association, Canada

16:40 Antimicrobial Consumption and Resistance in Animals (AMCRA)
Dr. Evelyne De Graef, Coordinator – AMCRA, Belgium

16:55 Vetresponsible: Spanish initiative on the responsible use of veterinary medicines including antibiotics
Pablo Hervás, Project Manager – Spanish Technology Platform for Animal Health (Vet+i), Spain

17:10 Responsible Use of Medicines in Agriculture (RUMA)
John FitzGerald, Secretary General – RUMA, UK

17:30 - 18:30 Poster viewing & drinks

20:00 Conference dinner
PARALLEL SESSION 4:
Progress in measures and research for control of antibiotic resistance

Chair: Dr. Stephen Page, Advanced Veterinary Therapeutics, Australia

13:30 Pan-European resistance monitoring programmes encompassing foodborne bacteria and target pathogens of food-producing and companion animals
Dr. Hervé Marion, Secretary General – International Association Executive Animal Health Study Center (CEESA), Belgium

13:55 EFSA’s activities on antimicrobial resistance in the food chain: risk assessment and data collection
Dr. Ernesto Liebana, Acting Head – Unit on Biological Hazards and Contaminants (BIOCONTAM), European Food Safety Authority (EFSA), Parma, Italy

14:20 EFFORT: joining forces against antimicrobial resistance
Prof.dr. Jaap Wagenaar, Central Veterinary Institute and Utrecht University, the Netherlands

14:45 Relationships between antibiotic use in animals and increased antibiotic resistance in aquatic and soil environments
Prof.dr. David Graham, School of Civil Engineering and Geosciences, Newcastle University, UK

15:15 Networking break & poster viewing

Contributed papers

15:45 To which extent can we explain antimicrobial resistance patterns in Escherichia coli from animal derived foods by antimicrobial usage patterns in livestock?
Dr. Annemarie Käsbohrer, Department Biological Safety, Federal Institute for Risk Assessment (BfR), Germany

16:00 A qualitative approach to explore motivations for antimicrobial prescribing by veterinary surgeons in UK pig practice
Lucy Coyne, Institute of Infection and Global Health, University of Liverpool, UK

16:15 Antibiotic residue analysis in non-invasive animal matrices in the fight against bacterial resistance
Tina Zuidema, M.Sc., RIKILT Wageningen UR, the Netherlands

16:30 How the representation of antimicrobial consumption using different indicators can provide useful information about treatment strategies at farm level
Lucie Collineau, M.Sc., SAFOSQ, Switzerland and BioEpAR, INRA / Oniris, L’UNAM, France

16:45 Antimicrobial reduction of in pigs from birth till slaughter and in breeding animals – a team effort without jeopardizing production parameters
Merel Postma, Department of Reproduction, Obstetrics and Herd Health, Ghent University, Belgium

17:00 An estimation of the use of antibiotics in the Dutch small ruminant industry
René van den Brom, M.Sc., GD Animal Health Service, the Netherlands

17:15 Experience in practice: homeopathy in animal husbandry
Evelien van der Waar, M.Sc., Homeopathic Veterinary Practice Houten, the Netherlands

17:30 - 18:30 Poster viewing & drinks

20:00 Conference dinner
WEDNESDAY
1 OCTOBER
2014

FINAL PLENARY MEETING:
Animal production – the bigger picture

Chair: Prof. dr. Peter Silley, MB Consult Limited, UK / School of Life Sciences, University of Bradford, UK

08:30 Multidrug-resistant bacteria in meat products: how can we control this potential threat to public health?
Prof. dr. Luca Guardabassi, Department of Veterinary Disease Biology, University of Copenhagen, Denmark

08:55 Fostering cooperation to address the threat to human and animal health – what new approaches should be tried?
Dr. Stephen Page, Advanced Veterinary Therapeutics, Australia

09:20 Alone we can do so little; together we can do so much – Helen Keller
Dr. Michael Chaddock, Assistant Dean for One Health and Strategic Initiatives – Department of Veterinary Integrative Biosciences, College of Veterinary Medicine & Biomedical Sciences, Texas A&M University, USA

09:45 Sustainable intensification of agriculture needed to meet animal protein demand growth
Dirk Jan Kennes, Global Strategist Farm Inputs – Rabobank, the Netherlands

10:30 Networking break & poster viewing

11:00 Can public–private partnership help? The Innovative Medicines Initiative model
Dr. Angela Wittelsberger, Scientific Project Manager – The Innovative Medicines Initiative (IMI), Brussels, Belgium

11:25 Regular farm antibiotic use – does it advance or undermine animal welfare?
Peter Stevenson, Chief Policy Advisor – Compassion in World Farming, UK

11:50 Use of antibiotics in animal husbandry from the consumers’ perspective
Marieke Meeusen-van Onna, LEI Wageningen UR, the Netherlands

12:15 Trends and drivers in the food supply chain affecting the use of antibiotics in primary production
Dr. Roland Aumüller, Standards Management Livestock, GLOBALG.A.P., Germany

12:45 Conclusions & path forward

13:00 Conference closing
WEBSITE
The latest details of the 3rd International Conference on Responsible Use of Antibiotics in Animals can be found at the conference’s website: www.bastiaanse-communication.com/rua2014

WHO SHOULD ATTEND
The conference is designed for the animal health industry and the medical community; all users of antibiotics in animals, such as veterinarians, animal feed producers, livestock and aquaculture producers, and nutritionists; food processors and manufacturers, and retailers; policy makers and regulatory agencies; researchers in universities and research institutes; and others with an interest in antimicrobial resistance and sustainability of antibiotics, such as educators, agricultural extension staff, consultants, and consumer organisations.

HOW TO REGISTER AND BOOK A HOTEL ROOM?
For all relevant information on registration fees, on-line registration and hotel accommodation, please go to the conference’s website: www.bastiaanse-communication.com/rua2014

VENUE
The 3rd International Conference on Responsible Use of Antibiotics in Animals will be held at the Royal Tropical Institute (KIT) in Amsterdam, the Netherlands. The Royal Tropical Institute is an independent centre of knowledge and expertise in the areas of international and intercultural cooperation, operating at the interface between theory and practice and between policy and implementation.

ABOUT AMSTERDAM
Amsterdam combines its 17th century historical atmosphere with the mentality of a modern metropolis creating a friendly and relaxed environment. The small scale of the buildings and the intimacy of the streets, canals and squares create a unique atmosphere. The city has the highest museum density in the world and is home to cultural highlights, such as the Van Gogh Museum, the Anne Frank House, and the Rijksmuseum with Rembrandt’s world famous Nightwatch. Other well known places of interest in Amsterdam are the Palace on the Dam, the Artis Zoo, the Jewish Historical Museum and the Rembrandt House. Take a canal tour and discover the historical canal district. The best way to get around Amsterdam is on a bike. You won’t become any more local than by cycling!

CALL FOR POSTER ABSTRACTS
Interested participants are strongly encouraged to submit poster abstracts (max. 400 words) by no later than 1 August 2014. Abstracts should be submitted only as a Microsoft Word file attached to an e-mail message sent to the Conference Secretariat: antibiotics@bastiaanse-communication.com. The members of the Advisory Board of the 3rd International Conference on Responsible Use of Antibiotics in Animals will evaluate the abstracts and inform the participants of the acceptance. Posters will be displayed throughout the conference. Poster size: A0 portrait (841 mm x 1189 mm).

BUSINESS OPPORTUNITIES
The 3rd International Conference on Responsible Use of Antibiotics in Animals offers various business opportunities, including:

• Sponsoring of the conference
  Benefit from excellent name recognition! Sponsoring opportunities covering lunch, evening functions and conference programme material also exist.

• Exhibiting at the conference
  Gain valuable direct exposure! Parallel to the conference a commercial exhibition will be organised in which presentations of services and products are given. Participants of the conference have ample opportunity to visit the exhibition during the various breaks.

More information on the business opportunities can be found at the conference’s website: www.bastiaanse-communication.com/rua2014

LANGUAGE
English will be the official language at the 3rd International Conference on Responsible Use of Antibiotics in Animals.

It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme or the identity of the speakers.
See you in Amsterdam!