



5th International

Fresenius Feed Conference

Feed Additives – Animal Nutrition – Medicated Feed

27 and 28 October 2016
in Darmstadt/Germany

Highlights

Feed additives and prolongation of authorisations

- European Commission update on feed additives authorisation
- Update on EFSA's work : the revision of the guidance document
- Administering feed additives for food producing animals via drinking water
- Innovation in feed additives – new functional groups

Animal health – medicated and dietetic feed

- The new approach on medicated feed
- Antimicrobial resistance (AMR)

Animal welfare

- Feather pecking in laying hens
- New developments in relation to tail biting

Immunonutrition

- Implications between nutrition and the immune system
- Role of gut microbiota for digestion

Protein strategy in animal feed

- EU strategic protein supply
- Key outcome of the FAO/WHO Expert Meeting on hazards
- Trends in pet food: alternative diets and proteins

Challenges for feed resources

- Challenges in the nutrition of organic pigs and poultry
- Poultry nutrition, insect protein and innovation



The Experts

Jaume Galobart European Food Safety Authority (EFSA) | **Alexandra Harlander** University of Guelph | **Myriam Hesta** Ghent University | **Damian Józefiak** Poznan University of Life Sciences | **Josef Kamphues** University of Veterinary Medicine Hannover (TiHo) | **Bernd Kaspers** University of Munich | **Susanne Kersten** FLI Friedrich-Löffler-Institute German Federal Research Institute for Animal Health | **Manfred Kietzmann** University of Veterinary Medicine Hannover (TiHo) | **Sabine Kruse** German Ministry for Nutrition and Agriculture (BMEL) | **Nick Major** ForFarmers | **Nicolas Martin** European Feed Manufacturers' Federation (FEFAC) | **Andreas Müller** Delacon | **Marta Ponghellini** European Commission | **Gerald Schultheis** Biomin | **Paolo Trevisi** University of Bologna | **Wolfgang Trunk** European Commission | **Geert van der Peet** Wageningen University | **Thomas van der Poel** Wageningen University | **Gerritjan van der Ven** EU Association of Speciality Feed Ingredients and their Mixtures (FEFANA) | **Jürgen Zentek** Free University Berlin | **Werner Zollitsch** University of Natural Resources and Life Sciences Vienna (BOKU), Austria

The Programme

Get-Together on Wednesday, 26 October 2016

Will you arrive on Wednesday? Come to the hotel bar at 8 p.m. and meet other participants and speakers in a relaxed atmosphere.

 Thursday, 27 October 2016

8.30 Registration and coffee

9.00 Welcoming speech by the organisers and the Chair

Jürgen Zentek, Free University Berlin, Germany

Proteins in animal feed

9.05 EU strategic protein supply: the feed industry perspective

- EU protein balance sheet and EU protein deficit
- EU livestock sector competitiveness
- Sustainability of EU protein supply

Nicolas Martin, European Food Manufacturers' Federation (FEFAC), Belgium

9.30 Key outcome of the FAO/WHO Expert Meeting on hazards associated with animal feed 2015

- Overview of findings and physical, chemical and biological hazards
- Hazards of feed and products of feed production technologies of increasing relevance

Sabine Kruse, Federal Ministry for Nutrition and Agriculture (BMEL), Germany

9.55 Technological aspects in the development of protein-rich ingredients (processing, safety issues)

Thomas van der Poel, Wageningen University, The Netherlands

10.20 Trends in pet food: alternative diets and proteins

- Pet food market: alternative diets and reasons for owners to choose such a diet
- Protein digestibility and sustainability
- Future research topics

Myriam Hesta, Ghent University, Belgium

10.45 Panel discussion

11.10 Coffee break

Animal welfare

11.40 New developments in the laying hen in relation to feather pecking – ethological and nutritional aspects

Alexandra Harlander, University of Guelph, Canada

12.05 New developments in relation to tail biting

Geert van der Peet, Wageningen University, The Netherlands

12.30 Panel discussion

12.50 Lunch

Challenges for feed resources

14.30 Challenges in the nutrition of organic pigs and poultry – an overview

Werner Zollitsch, University of Natural Resources and Life Sciences Vienna (BOKU), Austria

14.55 Current status and future of protein sources – poultry nutrition, insect protein and innovation

- Insects as natural nutrient source for poultry
- Intensive insect production in EU conditions

Damian Józefiak, Poznan University of Life Sciences, Poland

15.20 Panel discussion

15.40 Coffee break

Feed additives and prolongation of authorisations

16.10 Update on feed additives authorization: new authorisations, re-evaluation status and new challenges and innovation in feed additive sector

Marta Ponghellini, European Commission, Belgium

16.35 Questions and answers

16.45 The EU legal framework for feed additives: FEFANA viewpoint on the future

Gerritjan van der Ven, EU Association of Speciality Feed Ingredients and their Mixtures (FEFANA), Belgium

17.10 Innovation in feed additives – new functional groups

- Innovation in feed additives – what does it mean for a company?
- How innovation friendly is the feed legislation?
- Where are the challenges, where the pitfalls?

Gerald Schultheis, Biomin, Austria

17.35 Effects of phytogetic feed additives on intestinal health in farm animals

- Antimicrobial effects, anti quorum sensing effects, antioxidant and anti-inflammatory effects

Andreas Müller, Delacon, Austria

18.00 Panel discussion

18.30 End of the first conference day

19.15 Departure time for the evening event



After the first conference day Akademie Fresenius would like to invite you to a leisurely evening in the atmospheric Restaurant SITTE in the heart of Darmstadt. You have the opportunity of better getting to know other participants you met during the day over a relaxed meal.

 Friday, 28 October 2016

Chair:

Jürgen Zentek

Immunonutrition

8.20 Implications between nutrition and the immune system

- Metabolic consequences of infections
- Implications of energy and nutrient supply on the immune system
- Implications of undesired substances on nutritional status and immune system

Susanne Kersten, FLI Friedrich-Löffler-Institute Federal Research Institute for Animal Health, Germany

8.45 Nutrient-genotype interaction and metabolomics approach – new frontiers to disclose new ways to manage/understand the nutrient variability in pig

- Amino acids and gut immune function
- Implication of the genetic background on the nutrient requirements
- Genome-metabolome wide association studies as tool to progress in the precision feeding strategy

Paolo Trevisi, University of Bologna, Italy

9.10 Role of gut microbiota for digestion

Jürgen Zentek

9.35 Role of microbiota for gut immune system development

- Microbial gut colonization after birth or hatch is critical for the development of the immune system
- Microbiota composition affects both the mucosal and the systemic immune system in most species
- Providing a microbial flora to newly hatched chickens supports immune system development and animal health

Bernd Kaspers, University of Munich, Germany

10.00 Panel discussion

10.25 Coffee break

Feed additives and prolongation of authorisations

10.55 Update on EFSA's work: the revision of the guidance documents

- Analysis for the need of an update of the guidance documents of the FEEDAP Panel
- Examples of topics/main issues to be updated
- Future work plan on the revision of the guidance documents

Jaume Galobart, European Food Safety Authority (EFSA), Italy

11.20 Administering feed additives for food producing animals via drinking water – comments regarding the consequences from veterinary point of view

- Consequences, challenges for the feed additive industry, open questions

Josef Kamphues, University of Veterinary Medicine Hannover (TiHo), Germany

11.45 Panel discussion

12.00 Lunch

Animal health – medicated feed and dietetic feed

13.00 Revision of the rules for medicated feed

- New provisions for manufacturing and use, actions for innovation and tackling AMR, state of play of the revision

Wolfgang Trunk, European Commission, Belgium

13.25 Questions and answers

13.35 Medicated feed vs dietetic principles in feeding – from the point of view of applied pharmacology

Manfred Kietzmann, University of Veterinary Medicine Hannover (TiHo), Germany

14.00 Antimicrobial resistance (AMR)

- Feed industry position on responsible use of medicines
- Update on EU in feed medication regulations
- Scenario in Europe and the role of animal nutrition in improving animal health

Nick Major, ForFarmers, UK

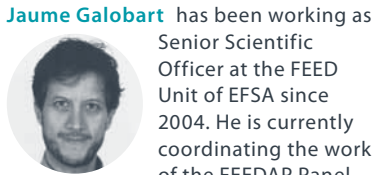
14.25 Panel discussion

14.45 End of the conference



Information available online at:
www.akademie-fresenius.com/2294

The Experts



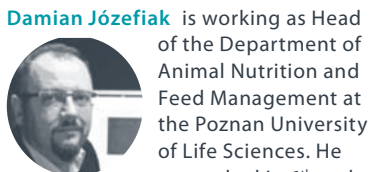
Jaime Galobart has been working as Senior Scientific Officer at the FEED Unit of EFSA since 2004. He is currently coordinating the work of the FEEDAP Panel and its Working Group on the revision of the guidance documents.



Alexandra Harlander is Veterinarian and Assistant Professor at the Department of Animal Biosciences (formerly Animal and Poultry Science) at the University of Guelph in Canada. Her research looks at the impact that husbandry can have on physiology and behaviour of poultry.



Myriam Hesta is Professor and Lecturer in companion animal nutrition at Ghent University. In 1997 she started working at the Animal Nutrition Laboratory at Ghent University. She is currently the president of the European College of Veterinary and Comparative Nutrition.



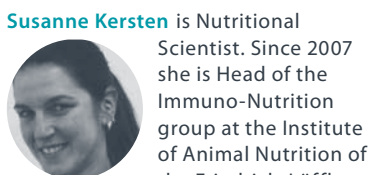
Damian Józefiak is working as Head of the Department of Animal Nutrition and Feed Management at the Poznan University of Life Sciences. He co-worked in 6th and 7th Frame EU Projects, coordinated or co-worked in NCN and POIG projects and EFSA registration.



Josef Kamphues is Veterinarian and Professor. Since 1993 he is Head of the Institute of Animal Nutrition at the University of Veterinary Medicine Hannover.

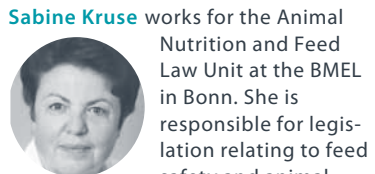


Bernd Kaspers is Veterinarian and Professor for Animal Physiology of the Department of Veterinary Sciences at the Faculty of Veterinary Medicine at the University of Munich. He is member of the German Society for Immunology and involved in the Avian Immunology Research Group.



Susanne Kersten is Nutritional Scientist. Since 2007 she is Head of the Immuno-Nutrition group at the Institute of Animal Nutrition of the Friedrich-Löffler-Institute in Braunschweig.

Manfred Kietzmann is Professor in the Department of Pharmacology, Toxicology and Pharmacy at the University of Veterinary Medicine Hannover.

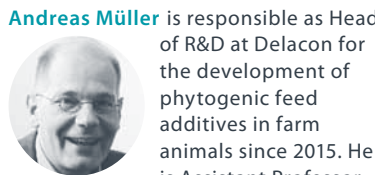


Sabine Kruse works for the Animal Nutrition and Feed Law Unit at the BMEL in Bonn. She is responsible for legislation relating to feed safety and animal-nutrition in Germany.

Nick Major has responsibility for Corporate Affairs across the ForFarmers group and leads on sustainability and policy development. He joined BOCM PAULS in 1985 which became part of ForFarmers in 2012.



Nicolas Martin joined FEFAC in 2011 as Policy Advisor to take over management responsibilities in the area of sustainability and agricultural markets. Before that he worked for the French feed manufacturers association for 4 years.



Andreas Müller is responsible as Head of R&D at Delacon for the development of phyto-genic feed additives in farm animals since 2015. He is Assistant Professor and Junior Professor at the Universities of Giessen and Halle (Saale).

Marta Ponghellini is Deputy Head of Unit E5, Animal Nutrition, Veterinary Medicines at DG SANTE (Directorate-General for Health and Food Safety) at the European Commission.



Gerald Schultheis is Food Scientist and responsible for Quality and Regulatory Affairs at Biomin. He is involved in several Expert Groups of FEFANA where he was co-chair of the former Working Group Mycotoxin-Deactivators and is now chairing the Expert Group on Labelling.



Paolo Trevisi is Associate Professor in Animal Science at the Department of Agriculture and Food Science of Bologna University since 2014. His research is focused to study the issues related to feeding and management strategies in weaned pigs.



Wolfgang Trunk has been Policy Officer at the EU Commission (DG SANTE/Animal Nutrition, Veterinary Medicines) in the field of legislation, e.g. additives, dietetic feed, feed materials, compound feed and medicated feed since 2005.



Geert van der Peet is Researcher at Wageningen UR Livestock Research.



Thomas van der Poel is Associate Professor and Researcher in the Department of Animal Sciences at Wageningen UR Livestock Research.



Gerritjan van der Ven is the current FEFANA Vice-President. After being involved in FEFANA workgroups and as group-leader for the Choline Chloride Feed Additive re-authorisation dossier he was elected in the FEFANA board in 2013 and nominated Vice-President in 2015. He is Site Director of Balchem's Choline production facility in Italy.



Jürgen Zentek is Professor for Animal Nutrition at the Faculty of Veterinary Medicine at the Free University Berlin and has research experience in nutritional physiology and animal nutrition including the relevance of feed for food safety.



Werner Zollitsch is Associated Professor since 1998 and currently Head of the Department of Sustainable Agricultural Systems at the BOKU in Vienna since 2012. His research interest is feeding management, feed resource development, livestock production systems, organic livestock husbandry and sustainability of animal production.

About

Who do you meet?

Groups that should take part:

Managing directors, boards of directors, managers, consultants and scientists in the fields of:

- Registration
- Research & development
- Marketing & distribution
- Quality assurance & control
- Product safety
- Food & Feed risk assessment

Sectors that should take part:

- Feed industry, especially producers, retailers and importers of feed additives, premixtures, feed materials, compound feed, feed intended for specific nutritional purposes and medicated feed
- Pet food industry
- Producers of veterinary medicinal products
- Laboratories
- Research institutes
- Authorities
- Professional associations

Trade Exhibition

Our conference provides you with the opportunity of presenting your company in a trade display. Present your products and services and reach out to your specific target groups. We would be happy to provide you with information on all the various options available – from displaying product information to an exhibition stand – with no further obligation on your part.

Use the attached fax reply sheet to request our information material. Or simply call us. We would be more than pleased to assist you personally.

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The Organiser

For over 20 years, Akademie Fresenius has been your partner for practice-orientated training on all the latest topics surrounding the safety and quality of food, consumer goods and chemical products along the whole production chain. Our portfolio not only includes international conferences but also offers national trade meetings, intensive practical seminars and training in small work groups.

Our events are designed to promote an active exchange amongst our participants and offer the perfect platform for bringing the industry, the scientific sector, the authorities and the consulting field together. Excellent service, all-inclusive. Our wide-ranging advanced training opportunities contribute to giving our customers the competitive edge in all quality assurance, risk assessment, legal, production and technical questions.

Akademie Fresenius is a joint venture between Cognos, one of the largest private and independent education groups in Germany, and SGS Institut Fresenius, one of the leading German providers of chemical laboratory analysis.

You can find details on upcoming and new events at

www.akademie-fresenius.com

Do you have any questions?



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Registration



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Participation

- Yes! I would like to take part in the 5th International „Fresenius Feed Conference“, 27 to 28 October 2016 in Darmstadt/Germany. Fee: € 1,795.00 plus VAT.
- I am a representative of an authority or a public university and therefore eligible for a reduced fee of € 795.00 plus VAT per person (please provide evidence). The reduced fee cannot be combined with other rebates.
- I would like to take part in the evening event on 27 October 2016 (included in the above price).

Event Documentation

- Unfortunately, I am unable to attend. Please send me the complete documentation for € 295.00 plus VAT (hard copy and electronic version).

Trade Exhibition

- Please send me information on exhibition possibilities during the event.

Your Account Number (if available):

Title / First name / Name

Position

Department

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Street / Number or P.O. Box / Building

ZIP-code / City / Country

Your order number / Cost unit (if required)

Your VAT ID No. (for registrations from EU countries except Germany)

Date Signature

10% discount for guest referral

Please specify which speaker recommended our event:

This discount does not apply in conjunction with other discounts.

REF

Terms of Participation and Purchase

The registration fee includes the event participation, event documentation, lunch, coffee breaks, beverages as well as the evening event. You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the event begins.

The price of the event documentation includes a hard copy of the documentation as well as an access code to the secure Akademie Fresenius download area. Both the documents and the secure access code will be dispatched around two weeks after the event and as soon as advance payment has been received.

Group Reductions

For joint bookings received from one company we grant a 15% discount from the third participant onwards.

Terms of Cancellation

Written cancellations or transfers will be accepted free of charge up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse 50% of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. Please note that you can name a substitute free of charge at any time.

General Terms and Conditions

By registering, you agree to our General Terms and Conditions as well as to our Privacy Policy. You can find our General Terms and Conditions on the internet (www.akademie-fresenius.com/general-terms) or receive them on request.

Personal Data

The Akademie Fresenius will keep your personal data for the purpose of organising this event. We will under no circumstances use your data for commercial trade purposes. In signing this form you consent to our occasionally contacting you by mail, email, fax or phone (please strike through if unwanted) in order to provide you with further information from our company. You can, of course, withdraw your consent whenever you wish. Further information can be found at: www.akademie-fresenius.com/dataprotection.

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Venue/Event Hotel

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We have reserved a limited number of rooms for our participants at reduced rates at the hotel. These rooms can be booked up to six weeks prior to the start of the event. Please book early and directly through the hotel quoting "Fresenius" as reference.