



7th International Akademie Fresenius

Feed Conference

Feed Additives – Animal Nutrition – Gut Health - Antimicrobial Resistance

24 and 25 March 2020
in Dusseldorf/Germany

Highlights

Feed additives

- European Commission's update on feed additives legislation
- The new Regulation (EU) 2019/1381 and its implications for the feed industry
- Innovation in feed additives – new functional groups
- EFSA's update on the Guidance on renewal of the authorisation of feed additives
- Hot topics in pet food

Challenges in protein nutrition

- Intensive production of fish
- Lactic acid fermented proteins
- Hydrothermal treatment of mono-components
- Diets with insects

Zoonotic risk from animal husbandry

- View from the animal side
- Animal husbandry and human infection

Hygiene and safety

- Salmonella situation in feed
- Feed hygiene
- Mycotoxin monitoring

Nutrition and intestinal health

- Prevention of E. Coli infections in piglets
- Omics technologies to identify gut health biomarkers
- Clinical nutrition of companion animals
- Dietary fibre and intestinal health



The Experts

Andreas Adler Austrian Agency for Health and Food Safety (AGES) | **Charlotte Bjørnvad** University of Copenhagen | **Lukasz Grześkowiak** Freie Universität Berlin | **Matteo Lorenzo Innocenti** European Food Safety Authority (EFSA) | **Wolfgang Koppe** Simplyfish | **Krzysztof Kozłowski** University of Warmia and Mazury | **Rudolf Krska** University of Natural Resources and Life Sciences, Vienna (BOKU) | **Ed Kuijper** Leiden University | **Anke Lauche** German Federal Office of Consumer Protection and Food Safety (BVL) | **Charlotte Lauridsen** Aarhus University | **Jens Legarth** Fermentationexperts | **Markus Lukaszczuk** Amandus Kahl | **Thomas Meyer** European Pet Food Industry Federation (FEDIAF) | **Marta Ponghellini** European Commission | **Reinder Sijtsma** Nutreco | **Arnold van Huis** Wageningen University & Research | **Filip Van Immerseel** Ghent University | **Jürgen Zentek** Freie Universität Berlin

The Programme

Get-Together on Monday, 23 March 2020

Will you arrive on Monday?
Come into the hotel bar at 8 p.m. and meet other participants and experts in a relaxed atmosphere



Tuesday, 24 March 2020

8.30 Registration and coffee

9.00 Welcoming speech by the organisers and the Chair

Jürgen Zentek, Freie Universität Berlin, Germany

Feed additives

9.10 Update on feed additives legislation

Marta Ponghellini, European Commission, Belgium

9.35 Feed additives from a point of view of a Member State

Anke Lauche, German Federal Office of Consumer Protection and Food Safety (BVL), Germany

10.00 Update on EFSA's work

Matteo Lorenzo Innocenti, European Food Safety Authority (EFSA), Italy

10.25 Panel discussion

10.55 Coffee break

11.25 Practical implication of regulatory developments – reflection from the industry side

Reinder Sijtsma, Nutreco, The Netherlands

11.50 Main regulatory, environmental and nutritional issues from the European Pet Food Industry Federation

- Regulatory issues from the European Union affecting the pet food industry
- FEDIAF issues concerning the environment and update on self-regulation tools (nutrition, safety, labelling)
- Cooperation with Global Alliance of Pet Food Association

Thomas Meyer, European Pet Food Industry Federation (FEDIAF), Belgium

Challenges in protein nutrition

12.15 Challenges in the intensive production of fish and shrimp, with focus on feed development

Wolfgang Koppe, Simplyfish, Norway

12.40 Panel discussion

13.10 Lunch

14.30 Experience with lactic acid fermented proteins

- What is fermentation? Looking at building metabolites
- How we are using fermented protein products for better health issues?
- What will the future bring?

Jens Legarth, Fermentationexperts, Denmark

14.55 Hydrothermal treatment of mono-components

- Reduction of anti-nutritive factors in soybean
- By-pass proteins for dairy cattle
- Starch gelatinisation for piglets

Markus Lukaszczuk, Amandus Kahl, Germany

15.20 Update on protein supply for turkeys and broilers

Krzysztof Kozlowski, University of Warmia and Mazury, Poland

15.45 Diets with insects promoting animal health

- Nutritional values
- Antibiotic resistance
- Chitin, lauric acid, and anti-microbial peptides

Arnold van Huis, Wageningen University & Research, The Netherlands

16.10 Panel discussion

16.40 Coffee break

Zoonotic risk from animal husbandry

17.10 Problems in animal husbandry and the view from the animal side – how to make food safe – free of pathogens and antimicrobial resistance

- Animal health and welfare
- Risk factors and zoonotic diseases
- Prevention and control measures

Lukasz Grześkowiak, Freie Universität Berlin, Germany

17.35 **Animal husbandry and human infection – free of human pathogens and antibiotic resistant bacteria**

Ed Kuijper, Leiden University, The Netherlands


18.00 Panel discussion

18.20 End of the first conference day

19.10 Departure time for the evening event



After the first conference day you are most welcome to attend our evening event, which will take us to the old town of Dusseldorf. We will enjoy a leisurely time at the restaurant "Schwan am Burgplatz". Please join us to continue the day's interesting discussions in a relaxed and comfortable atmosphere.

 **Wednesday, 25 March 2020**

8.20 **Welcoming speech by the Chair**

Jürgen Zentek

Hygiene and safety

8.30 **Salmonella situation in feed – specific experiences in Austria**

- Dust samples as monitoring-tool
- Decontamination by means of organic acids
- Control of salmonella in feed

Andreas Adler, Austrian Agency for Health and Food Safety (AGES), Austria

8.55 **The presence and future of mycotoxin monitoring**

- LC-MS based multi-analyte methods and monitoring mycotoxin patterns in view of climate change
- From targeted to untargeted analysis and metabolisation and degradation of mycotoxins
- Towards photonic based solutions

Rudolf Krska, University of Natural Resources and Life Sciences (BOKU), Austria

9.20 Panel discussion

9.55 Coffee break

Nutrition and intestinal health

10.35 **Prevention of E. Coli infections in piglets**

- Dietary strategies
- Post-weaning diarrhoea (PWD)
- Reduction of antibiotics and medical ZnO in the Danish pig production

Charlotte Lauridsen, Aarhus University, Denmark

11.00 **Using omics technologies to identify gut health biomarkers in chickens**

- Multi-omics
- Gut health biomarkers
- Inflammation, epithelial function and integrity

Filip Van Immerseel, Ghent University, Belgium

11.25 **Clinical nutrition of companion animals – what are we consulting on?**

- Nutrition for healthy young, mature and senior animals
- Nutrition for hospitalised animals
- Nutrition for animals with chronic diseases

Charlotte Bjørnvad, University of Copenhagen, Denmark

11.50 **Dietary fibre and intestinal health: What can we learn from the past decades until today?**

Jürgen Zentek

12.15 Panel discussion

13.00 Lunch and end of the conference



Information available online at:
www.akademie-fresenius.com/2605

The Experts

Andreas Adler studied at the BOKU in Vienna and has been responsible for feed microbiology and hygiene in the AGES Agricultural Division since 2002 as well as for PCR applications in food analysis or to quarantine pests in potatoes. Since 2001 he has been a Member of the Federal Commission for Zoonoses in the Austrian Federal Ministry of Health and Consumer Protection.

Charlotte Bjørnvad is a Professor of Companion Animal Internal Medicine and the Head of the Research Group Medicine and Clinical Nutrition at the



Department of Veterinary Clinical Sciences of the University of Copenhagen. Her research is focused on metabolic derangements during obesity and diabetes in dogs and cats, clinical nutrition and gastroenterology.

Łukasz Grześkowiak is a Postdoctoral Research Scientist at the Institute of Animal Nutrition, Freie Universität Berlin. He works on gut microbiota, nutrition and their impact on pathogen reduction and improvement of animal health.

Matteo Lorenzo Innocenti is working as a Scientific Officer at the FEED Unit in the Department of Scientific Evaluation of Regulated Products at EFSA. He is currently leading the work on the update of the guidance on renewal.

Wolfgang Koppe joined the Aquaculture Research Centre of Skretting in Norway in 1995 and headed the Nutrition R&D Department from 1999 to 2017. Since 2017 he has been working as an independent consultant in the field of aquafeeds.



Krzysztof Kozłowski is a Professor in the Department of Poultry Science at the Faculty of Animal Bioengineering at the University of Warmia and Mazury in Poland.

Rudolf Krška is a full Professor at the BOKU in Vienna and the Head of the Institute of Bioanalytics and Agro-Metabolomics at the Department IFA-Tulln. As member of JECFA he has evaluated the impact of trichothecene mycotoxins on humans. He is the Coordinator of the European Commission funded project MyToolBox.



Ed Kuijper is a Professor and currently the Head of the Experimental Microbiology and the Reference Laboratory for *Clostridium difficile* at the Leiden University



Medical Centre and the Centre for Infectious Disease Control of the Dutch National Institute of Public Health. He also supervises the 'Microbiota Platform' and is affiliated at the RIVM in the antimicrobial resistance team.

Anke Lauche is the Head of the Feed Unit at the German Federal Office of Consumer Protection and Food Safety (BVL) in Berlin.

Charlotte Lauridsen is a Professor in Nutritional Immunology and Experimental Nutrition and the Head of Research Unit in the Department of Animal Science at Aarhus University. She focuses on pigs and infectious/non-infectious diseases. She was the President of the Pig Commission/EAAP until 2016.



Jens Legarth is educated in Agriculture and on the Danish Export Academy. He is Founder and the CEO of Fermentationexperts and European Protein.



Markus Lukaszczuk is a Process Engineer and started to work at Amandus Kahl as a Project Engineer in 2012. Since 2013 he has held a position in sales. Today he is Area Manager for Poland, the Czech Republic, Slovakia and the Baltic countries.



Thomas Meyer is a Lawyer and has been Secretary General of FEDIAF since 1997. Before, he was the Deputy Secretary General of the European trade association of the brewing industry.



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

Reinder Sijsma is the Nutreco Government Relations & Regulatory Affairs Director. From 1989 until now he has held several positions in R&D, nutrition, quality assurance and food safety. In his current position he is responsible for regulatory affairs and compliance at Nutreco corporate level. Reinder is member of several committees and boards of international feed associations.



Arnold van Huis is an Emeritus Professor of Tropical Entomology in the Laboratory of Entomology at Wageningen University & Research. He published with FAO in 2013 the landmark report "Edible insects: future prospects for food and feed security" and in 2017 he published as main editor a book "Insects as food and feed: from production to consumption". He (co)authored several book chapters and publications.



Filip Van Immerseel is a Professor for Molecular Microbiology at the Faculty of Veterinary Medicine in the Department of Pathology, Bacteriology and Avian Diseases at Ghent University. He supervises a research group working on host-pathogen interactions in the gut of poultry, cattle and humans.



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



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 25 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

 24 to 25 March 2020 in Wiesbaden (near Frankfurt)/Germany

18th International Akademie Fresenius Conference "Food Safety and Dietary Risk Assessment"

Please request more information now!
www.akademie-fresenius.com/2740



Programme and conceptual design

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Do you have any questions?

Registration

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DIE AKADEMIE
FRESENIUS

Participation

- I would like to take part in the 7th International Akademie Fresenius „Feed Conference“, 24 and 25 March 2020 in Dusseldorf/Germany. Fee: € 1,895.00 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 24 March 2020** (included in the above price).

Your Account Number (if available)

Title / First name / Name

Position

Department

Phone / Fax

Email

Company (complete company name including legal form)

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

Billing Address (only if different from the above address)

Event Documentation

- Unfortunately, I am unable to attend. Please send me the **complete documentation** for € 295.00 plus VAT.

Trade Exhibition

- Please send me information on available options for trade exhibition and presenting product information.

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 GTC on the internet (www.akademie-fresenius.com/general-terms) or receive them on request.

Personal Data

The Akademie Fresenius will keep your 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. Occasionally we go around taking photos and videos at our events. These are then published anonymously on our website. Further information can be found at: www.akademie-fresenius.com/dataprotection.

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Venue

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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 “Akademie Fresenius” as reference.