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 the 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

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
Julien Taïeb, 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 Lukaszczyk, Amandus Kahl, Germany

15.20 Update on protein supply for turkeys and broilers
Krzysztof Kozłowski, 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
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>17.35</td>
<td>Animal husbandry and human infection – free of human pathogens and antibiotic resistant bacteria Ed Kuijper, Leiden University, The Netherlands</td>
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<td>18.00</td>
<td>Panel discussion</td>
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<td>18.20</td>
<td>End of the first conference day</td>
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<td>19.10</td>
<td>Departure time for the evening event</td>
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<td>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.</td>
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### Nutrition and intestinal health

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<thead>
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<th>Time</th>
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<tr>
<td>10.35</td>
<td>Prevention of E. Coli infections in piglets</td>
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<td>• Dietary strategies</td>
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<td>• Post-weaning diarrhoea (PWD)</td>
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<td>• Reduction of antibiotics and medical ZnO in the Danish pig production</td>
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<td>Charlotte Lauridsen, Aarhus University, Denmark</td>
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<td>11.00</td>
<td>Using omics technologies to identify gut health biomarkers in chickens</td>
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<td>• Multi-omics</td>
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<td>• Gut health biomarkers</td>
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<td>• Inflammation, epithelial function and integrity</td>
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<td>Filip Van Immerseel, Ghent University, Belgium</td>
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<td>11.25</td>
<td>Clinical nutrition of companion animals – what are we consulting on?</td>
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<td>• Nutrition for healthy young, mature and senior animals</td>
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<td>• Nutrition for hospitalised animals</td>
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<td>• Nutrition for animals with chronic diseases</td>
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<td>Charlotte Bjørnvad, University of Copenhagen, Denmark</td>
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<td>11.50</td>
<td>Dietary fibre and intestinal health: What can we learn from the past decades until today? Jürgen Zentek</td>
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<td>12.15</td>
<td>Panel discussion</td>
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<td>13.00</td>
<td>Lunch and end of the conference</td>
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**Wednesday, 25 March 2020**

Chairperson: Jürgen Zentek

### Hygiene and safety

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<thead>
<tr>
<th>Time</th>
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<tr>
<td>8.20</td>
<td>Feed hygiene – does it matter for animal health?</td>
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<td>Josef Kamphues, University of Veterinary Medicine Hannover (TiHo), Germany</td>
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<tr>
<td>8.45</td>
<td>Salmonella situation in feed – specific experiences in Austria</td>
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<td></td>
<td>• Dust samples as monitoring-tool</td>
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<td>• Decontamination by means of organic acids</td>
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<td>• Control of salmonella in feed</td>
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<td>Andreas Adler, Austrian Agency for Health and Food Safety (AGES), Austria</td>
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<td>9.10</td>
<td>The presence and future of mycotoxin monitoring</td>
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<td>• LC-MS based multi-analyte methods and monitoring mycotoxin patterns in view of climate change</td>
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<td>• From targeted to untargeted analysis and metabolism and degradation of mycotoxins</td>
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<td>• Towards photonic based solutions</td>
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<td></td>
<td>Rudolf Kriska, University of Natural Resources and Life Sciences (BOKU), Austria</td>
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<tr>
<td>9.35</td>
<td>Panel discussion</td>
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<td>10.05</td>
<td>Coffee break</td>
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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 Grzeskowiak** 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.

**Josef Kamphues** is a Veterinarian and Professor. From 1993 to 2019 he was the Head of the Institute of Animal Nutrition at the University of Veterinary Medicine Hannover.

**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 Kozlowski** 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 Kriska** 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 Kuiper** is a Professor and currently the Head of the Experimental Microbiology and the Reference Laboratory for Clostridium difficile at the Medical Centre of 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.

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

**Reinder Sijtsma** 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.

**Julien Taieb** is a Lawyer and has been Deputy Secretary General since 2018. Before, he was a Legal Advisor to the European Commission, European Affairs Manager at FEFAC and hold several responsibilities at COCERAL and UNISTOCK.

**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...
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Do you have any questions?

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amills@akademie-fresenius.de

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
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• Producers of veterinary medicinal products
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Dominique Bischoff
phone: +49 231 75896-64
dbischoff@akademie-fresenius.de

The Organiser

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

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