



Feeding Programs for Young Animals

Madrid, Virtual Seminar
Zoom meeting

20, 27, 29, and 30th of September, 2021

Timing: 16:00 to 18:30 h all sessions (Spain time)

All the conferences will be given in English

There will be simultaneous translation to Spanish

The seminar will be free of charge

The participants are sponsored by USSEC
(Project # U21CXWW004-01)

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Organization

FEDNA and USSEC (ANWG)

With the collaboration of CESFAC and IACA

Directors of the Seminar

Gerard Santomá Boixeda

Javier García Alonso

Contacts

Planning of the event

FEDNA (Madrid)

info.fedna@gmail.com

(Javier García and Lewis Aguirre)

Inspectia & Control Services SL

inspectia@inspectia.eu: (+ 34) 649 407 409

(Zoom Assistance)



SESSION 1. POULTRY
September 20th, 2021

16:00 Welcome and opening

Chairman: Gerard Santomá – Trouw Nutrition, Spain

16:05 Impact of feeding strategies and nutrition of the young pullet on subsequent egg production

Xabier Arbe – N&H International, Thailand

16:45 Incubation factors effects on the nutrition of young birds

Edgar Oviedo-Rondón – North Carolina State University, USA

17:25 Prestarter feeds for broilers: importance and potential benefits

Gonzalo G. Mateos and Lourdes Cámara – Universidad Politécnica de Madrid, Spain

18:05 Questions and answers. All speakers and participants

18:30 Adjourn

SESSION 2. SWINE
September 27th, 2021

16:00 Welcome and opening

Chairman: Gerard Santomá – Trouw Nutrition, Spain

16:05 Facilitating the post-weaning transition without antimicrobials

John Pluske – Australasian Pork Research Institute Ltd. (APRIL), Australia

16:45 Management and feeding of primiparous sows from birth to first farrowing

Mike Tokach – Kansas State University, USA

17:25 Macro-mineral nutrition of young pigs: phosphorus, calcium, and electrolytes

Hans H. Stein – University of Illinois, USA

18:05 Questions and answers. All speakers and participants

18:30 Adjourn

SESSION 3. RUMINANTS
September 29th, 2021

16:00 Welcome and opening

Chairman: Javier García – Universidad Politécnica de Madrid, Spain

16:05 The future of dairy farming: key aspects of management and feeding programs for heifers

Alex Bach – Icrea, Barcelona, Spain

16:45 Recent advances on management and feeding strategies for dairy beef cattle before weaning

Maria Devant and Sonia Marti – IRTA, Tarragona, Spain

17:25 Recent advances in young calves use on quality of colostrum and milk feeding

Sergio Calsamiglia – Universidad Autónoma de Barcelona, Spain

18:05 Questions and answers. All speakers and participants

18:30 Adjourn

SESSION 4. INGREDIENTS
September 30th, 2021

16:00 Welcome and opening

Chairman: Javier García – Universidad Politécnica de Madrid, Spain

16:05 Soybean products in feeding programs for non-ruminants: energy evaluation and quality control

Guillermo Fondevila and Gonzalo G. Mateos – Universidad Politécnica de Madrid, Spain

16:45 Corn and soybean meal quality: actual standards and trends

Everton Krabbe – Embrapa, Brazil

17:25 Calcium and phosphorus requirements for young broilers

Carrie Walk – DSM, UK

18:05 Questions and answers. All speakers and participants

18:30 Adjourn

Speakers

Gerard Santomá – Trouw Nutrition, Spain

Gerard Santomà holds a Ph. D. in Animal Nutrition from the Polytechnic University of Madrid, a Degree on DVM from the Complutense University of Madrid, and a Post-Doctorate at the University of Nottingham (GB). He is currently Technical Director of Trouw Nutrition (Spain) and represent Spain in the Working Group No. 2 of the W.P.S.A. and vice president of FEDNA (Spanish Foundation for the Development of Animal Nutrition). He is author of several books and has numerous participated in as a guest speaker at numerous courses and events organized by Universities, Institutions, and Companies.



Xabier Arbe – N&H International, Thailand



Xabier Arbe is a veterinarian specialized in animal production from University of Zaragoza, (Spain). He worked for 5 years with the biggest egg producer in Spain until he joined the Novus Europe team. In 2012, he was transferred to Novus Southeast Asia Pacific where he lives. On July 2017 he started to work as Global Nutritionist for H&N INTERNATIONAL GmbH and since July 2021, he holds a new position as Managing Director of the Company.

Edgar Oviedo-Rondón – North Carolina State University, USA

Edgar Oviedo-Rondón is a Professor and Extension Specialist in the Prestage Department of Poultry Science at North Carolina State University. Dr. Oviedo has experience in the poultry industry as a Veterinarian, Nutritionist, Extension Specialist, and Consultant in 25 countries. His responsibilities include extension and research in broiler, and broiler breeder nutrition, and management, incubation, and data analytics. Dr. Oviedo is author or co-author of 101 peer-review publications in Scientific Journals, 312 Proceedings of International Meetings, 276 abstracts of presentations in Scientific Meetings of National and International level, 91 popular press articles, and eight book chapters.



Gonzalo G. Mateos – Universidad Politécnica de Madrid, Spain



Gonzalo G. Mateos holds a BS in Animal Production for the Universidad Politécnica de Madrid, a PhD in Veterinary Science for the Universidad Autónoma de Barcelona, and a PhD in Animal Science (Poultry) and a post-doc position for Iowa State University. He has published 140 papers in SCI Journals and given more than 460 seminars, lectures, communications, and posters at International congresses in more than 40 countries. He was Editor in Chief of the Scientific Journal Animal Feed Science and Technology (2005-2013) and a member of the Editorial Board of Poultry Science and Animal Feed Science and Technology, in recent years.

Lourdes Cámara – Universidad Politécnica de Madrid, Spain

Lourdes Cámara holds a PhD in Animal Nutrition and Agricultural Engineer by the Universidad Politécnica de Madrid. She is Research and Technical Manager of Alcoa Pecuaria (Spain). She has conducted studies on nutrition in non-ruminants species with more than 30 peer-reviewed publications and 60 proceedings at international meetings and scientific conferences.



John Pluske – Australasian Pork Research Institute Ltd., Australia



John Pluske is currently CEO and Chief Scientist of the Australasian Pork Research Institute Ltd. (APRIL) and Honorary Professorial Fellow of The University of Melbourne, Victoria, Australia. Research interests are focused on nutrition-gut disease interactions in young pigs, general pig nutrition, pig growth and development, piglet behaviour, feed and ingredient evaluation, nutrition-immunology-microbiome interactions, nutritional alternatives to growth promoting antimicrobials, and bacterial resistance to dietary antimicrobial compounds.

Mike Tokach – Kansas State University, USA

Mike Tokach, University Distinguished Professor of Animal Sciences and Industry, is a swine nutrition researcher and extension specialist at Kansas State University. Mike is the author of more than 400 articles in scientific journals, ten book chapters and more than 1,000 extension and non-refereed articles. Mike has received more than \$21 million in research grants and gifts and has given more than 350 invited lectures at national and international conferences. Mike has advised and mentored over 110 advanced-degree students and visiting professors since joining Kansas State University. Mike's wife Lisa also specializes in Swine as a veterinarian.



Hans H. Stein – University of Illinois, USA



Hans H. Stein is a professor of Nutrition in the Division of Nutritional Sciences and the Department of Animal Sciences at the University of Illinois, where he has responsibilities in research, Extension, and teaching. He currently directs five Graduate students, three post-doctoral Research Fellows, three research managers, and six visiting scholars. His research focuses on feed ingredient evaluation, digestibility and utilization of energy and nutrients by pigs and humans, and development of systems for accurate diet formulation. Dr. Stein has authored or co-authored approximately 310 peer-reviewed publications and he has given invited presentations on nutrition in 41 countries.

Alex Bach – Icrea, Barcelona, Spain



Alex Bach holds a DVM for the University of Barcelona and a MS and PhD in Dairy Nutrition for the University of Minnesota (USA). He has spoken at more than 130 international congresses, is author or co-author of more than 150 peer-reviewed publications, and has presented more than 100 extension articles, and more than 20 books (or book chapters). He has received several awards in recognition to his research activities. His main interest is to study the physiology and metabolism of ruminants with especial emphasis on the impact of nutrition and management during early development on future metabolic function and performance.

Maria Devant – IRTA, Tarragona, Spain

Maria Devant has a solid background in R&D in Swine and Ruminant Production. Over the last 18 years, she has focused her scientific career in beef production on how to improve feed efficiency and enhance economic returns while minimizing environmental impact. For the last 5 years she has focused the research in 2 topics: strategies to improve calf vitality and modulation of behavior and stress through nutrition (gut-brain axis). Along with this research activity she is head of the Ruminant Production Program and Nutrition Program and member of the Strategic and Scientific Committee at IRTA.



Sonia Marti – IRTA, Tarragona, Spain



Sonia Marti is a Research Scientist in the Department of Ruminant Production at Institut de Recerca i Tecnologia Agroalimentaries de Catalunya, Spain. She has conducted studies on the evaluation of chronic stress, as well as beef cattle lameness and transportation. Dr. Marti's current research focuses on evaluating management practices of unweaned dairy calves reared for meat production on health, productivity, and welfare.

Sergio Calsamiglia – Universidad Autónoma de Barcelona, Spain

Sergio Calsamiglia is full Professor of the Departamento Ciencia Animal y de los Alimentos of the Universitat Autònoma de Barcelona (Spain) and Director of the Animal Nutrition and Welfare Research Group. He got his degree in Veterinary Medicine (Universidad Autónoma de Barcelona, Spain, 1987) and his Master and PhD in Animal Sciences from the University of Minnesota, USA (1991 and 1994). His research interests include dairy cattle nutrition and management. He has been author of more than 100 peer-reviewed papers in the top scientific journals (upper quartile SCI), more than 250 communications in Scientific Conferences and 3 international patents currently in exploitation.



Guillermo Fondevila – Universidad Politécnica de Madrid, Spain



Guillermo holds a degree in Agricultural Engineer and PhD in Animal Nutrition from the Universidad Politécnica de Madrid. At present time works as a researcher and project manager for R&D Animal and Vegetable Nutrition S.L. (Spain). Dr. Fondevila has a wide experience in research related to non-ruminant nutrition and had published several peer-reviewed publications and more than 30 proceedings at international meetings and scientific conferences. In addition, he has collaborated with multinational research groups in projects conducted at the University of Illinois and Purdue University.

Everton Luis Krabbe– Embrapa, Brazil

Everton Krabbe received his MS and PhD in Animal Science – Non Ruminant Nutrition from the Federal university of Rio Grande do Sul, Brazil. He has been technical and commercial manager in several companies manufacturing additives for animal nutrition for 12 years in Brazil and Latin America. Currently, he is a Researcher at Embrapa Swine and Poultry in the area of Production and Nutrition of Poultry and Swine.



Carrie Walk – DSM, UK



Carrie Walk received a BS and MS in Animal Science from the University of Missouri and a PhD in Animal and Poultry Science from Virginia Tech University. She specializes in feed additives, nutrition, and gut health in pigs and poultry. Carrie is author or co-author of over 50 peer-reviewed papers, book chapters and a book editor. Currently, she is a Senior Scientist at DSM Nutritional Products, UK.