

Success for E-academy



Since 2015 Animine has held its biennial scientific academy.

Hosted in France, the home of Animine, this Academy welcomes partners and customers from all over the world to discuss with renowned experts the latest advances in nutrition, intestinal health, microbiota management, analytical and environmental sciences.

The 4th edition of this symposia was recently held in a digital format and named the Animine e-academy. The unique format provided short sessions, in which the guests could arrange a tailor-made programme to suit their interests.

The conference focused on being objective and interactive. Some sessions highlights from this e-academy included:

● Gut function:

Dr Mickael Kogut from USDA (USA) presented recently approved biomarkers such as Calprotectin (Zn dependent molecule) for low grade chronic intestinal inflammation in poultry. Low grade chronic inflammation is characterised by microscopic alterations with no macroscopic manifestations in organs, but resulting in reduced growth performance – therefore the name ‘low grade’.

● Minerals, lipids and carotenoids digestibility:

Dr Fifi Zaefarian from Massey University (New Zealand) explained how lipid digestion is a complex process and how calcium and other cationic minerals can act as ‘anti-nutrient’, forming insoluble soaps with lipids, reducing the availability

of other minerals especially phosphorous. Dr Torsten Bohn (Luxembourg Institute for Health) explored the essential nature of carotenoids and how divalent macro and micro minerals can limit their bioaccessibility and bioavailability.

● Mineral metabolism session:

Dr Markus Rodehutschord (Hohenheim University) discussed how the biological potential of phytate degradation is much higher in broilers than pigs and the supplementation of phosphorus and calcium strongly reduces phytate degradation.

● Impact of cationic and anionic minerals on dEB:

Dr Agnes Narcy (INRA, France) and Dr Steve Leeson (Guelph University, Canada) discussed the acid-base regulation of birds. Dr Sergio Vieira from UFGRS (Brazil) and Dr Mojtaba Zaghari from Tehran University (Iran) gave an update about the supplementation and requirements of trace minerals for poultry.

● Environment:

In this session, Dr Ralph Rosenbaum from IRTA, Spain, talked about how to use life cycle assessment (LCA) as a tool to support decisions towards sustainability. When assessing environmental impact, at first, we always think about carbon footprint, but it goes beyond that. Carbon footprint is a global effect, but local effects like ecotoxicity should also be considered. The best tool to assess all parameters is LCA.

In line with this aspect, Animine is the first company to provide LCA for its precision minerals.