

Re-Livestock project contributions to the 76th EAAP Annual Meeting

Location

Innsbruck, Austria

Date

25-29 of August 2025

PROGRAMME
EAAP 2025



Session 1. How to mitigate livestock emissions through breeding

Oral Presentation: Methane emission in dairy cattle breeding programs: sensitivity of genetic parameters, economic weights, phenotyping strategies

B. Gredler-Grandl *et al.*

Oral Presentation: Multi-country genomic prediction of methane emissions in dairy cattle

C.I.V. Manzanilla-Pech *et al.*

Oral Presentation: Innovative approach to data management of methane emissions in dairy cows

M. Ryczek *et al.*

Poster: Impact of introducing methane emission traits in the breeding goal for Polish Holstein-Friesian cattle

G. Cieleń *et al.*

Session 2. Feed Additives for Methane Mitigation

Invited: Regulations and evidence requirements for authorization of enteric methane-mitigating feed additives

J. Tricarico *et al.*

Oral Presentation: A guideline to uncover the mode of action of anti-methanogenic feed additives for ruminants

A. Belanche *et al.*

Oral Presentation: Feed additives for methane mitigation: How to account for the mitigating potential of antimethanogenic feed additives – Approaches and recommendations

A. del Prado *et al.*

Oral Presentation: Recommendations for testing enteric methane-mitigating feed additives in ruminant studies

A. Hristov *et al.*

Oral Presentation: Modeling the impact of feed additives on enteric methane emission of ruminants—Approaches and recommendations

J. Dijkstra *et al.*

Oral Presentation: Recommendations for identification and selection of bioactive compounds to develop antimethanogenic feed additives

Z. Durmic *et al.*

Session 12. Dairy cows' longevity: economic, feeding, breeding, health, welfare and environmental aspects and perspectives

Oral Presentation: Environmental and economic impacts of extending the productive lifespan of swiss dairy herds in diverse husbandry systems

M. Lozano-Jaramillo *et al.*

Session 14. Livestock farming systems for the next generation: can we imagine the future?

Invited: How nutrition can help to shape the future of livestock farming systems

D. Yáñez-Ruiz *et al.*

Invited: Challenge voice – Thinking the future food systems

W. Simon *et al.*

Session 16. Novel technologies for phenotyping and scientific trials

Oral Presentation: A comprehensive genetic evaluation of molecular phenotypes in pigs: gaining knowledge through metabolite ratios

S. Bovo *et al.*

Oral Presentation: The metabolome, a new phenotype: a comparative study of metabolic profiles in plasma and serum

J. L. López-Martínez *et al.*

Session 23. Selection for efficiency, resilience, and climate adaptation

Oral Presentation: Untargeted metabolomics describes genetic factors that influence pig metabolism for adaptation traits in a Duroc line

S. Bovo *et al.*

Oral Presentation: Between heat tolerance and resilience: breeding against rising heat stress in the Dutch Holstein cattle

T. Pook *et al.*

Poster: Impact of including novel heat stress indicators on the genetic progress of Iberian pigs

N. Pycinskai *et al.*

Session 24. Animal nutrition in circular economy

Oral Presentation: In vitro effects of bakery by-products on rumen degradability, fermentation, and methane yield

C. Christodoulou *et al.*

Session 33. Integrating animal microbiomes and host genetics - Holobiont; Where the host meets the guest: the holobiont concept in 1) Ruminants & 2) Monogastrics

Oral Presentation: Comparative analysis of the cattle rumen microbiome across three countries using long-read metagenomic sequencing to identify its use for methane reduction

D. Flossdorf *et al.*

Session 34. Monogastric nutrition, management and product quality

Oral Presentation: Effects of low-protein diets partially balanced in essential amino acids and pen cleaning frequency on growth, protein efficiency and carcass characteristics in growing-finishing pigs

A. Antonacci *et al.*

Poster: Comparing metabolomic profiles among three Italian heavy pig breeds

S. Bovo *et al.*

Session 41. Algae, fungi, yeast, and cellular feeds, feed ingredients/additives

Poster: Effects of microalgae on in vitro rumen degradation, fermentation characteristics, and methane yield

C. Christodoulou *et al.*

Session 73. Feeding, beef semen use, marketing strategies to improve health, well-being, productivity, and climate impact of dairy beef calves in various beef production systems

Oral Presentation: Farming system is the main driver of enteric methanogenesis in grass-based veal calves

G. Mesbahi *et al.*

Session 75. Sustainability assessment of livestock farming systems

Oral Presentation: Assessing the sustainability and ecosystem services of farming practices of dairy cattle farms

A. Mantino *et al.*

Session 77. Welfare and behaviour measurements using precision livestock farming tools and big data: from validation to application

Oral Presentation: Identifying shade-seeking behavioural triggers in Holstein heifers for improved heat stress management and welfare

X. Díaz de Otálora *et al.*

Session 79. Future pig and poultry production systems

Oral Presentation: Impact of housing design and animal level ventilation on pig growth and air quality

Hlel *et al.*

Session 81. Challenges for livestock physiology: perturbations and adaptation

Oral Presentation: Describing adaptation to heat stress through untargeted metabolomics in pig genetic resources

M. Bolner *et al.*