WIAS (Wageningen Institute of Animal Sciences) annual conference 2025

Contributions ABG (Animal Breeding and Genomics group)

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| **Name** | **Session** | **Topic** |
| Eugénie Guennoc | A: Nutrition | Assessing Genotype by Environment interactions in Dutch dairy farms, between organic and conventional systems and across dietary concentrate levels |
| Tzayhri Osorio Gallardo | C: Sensor data | Genetic analysis of laying hen movement based on computer vision data |
| Huifang Kang | D: Reproduction | The Role of CD52 Gene in the Male Mice Reproductive Tract |
| Marije Steensma | D: Reproduction | Identification of candidate lethal mutations affecting fertility in Friesian horses |
| Pedro Sá | D: Reproduction | Fast & Furious: the genetics of semen in an elite pig line |
| Alexandre Hubert | E: Epigenetics | Unravelling the genetic and epigenetic bases of lipid related trait variability in laying hens aged 90 weeks |
| Lucas Lima Ayres | E: Epigenetics | Beyond Genes: Integrating DNA Methylation into Quantitative Genetics |
| Stacy Rousse | E: Epigenetics | Transgenerational response to an endocrine disruptor ingestion: phenotypic, genetic and epigenetic analyses in quail |
| Sophie Valk | E: Epigenetics | Oysters in transition: Hermaphrodite oysters display unique DNA methylation patterns in their gills |
| Anne Jansen | F: Modelling | Evaluating Selection History Models in Animal Breeding: A Comparative Study of BayesS and Ghat |
| Chuanke Fu | F: Modelling | Using biological information to improve genomic prediction in mice |
| Meilisa Margarita | F: Modelling | From Pond Dynamics to Profitability: A Multispecies Bioeconomic Model for Tilapia-Shrimp Polyculture |
| Junxin Gao | G: Species diversity | The mosaic genomes of African and European indigenous cattle: a unique resource for studying adaptation |
| Olivia Katz | G: Species diversity | Variation in crossover count and genetic shuffling in two pig lines with contrasting selection histories |
| Wen-ye Yao | G: Species diversity | Recombination affects allele-specific expression of deleterious variants in pig populations |
| Ying Liu | G: Species diversity | Identification of new bovine milk protein variants in traditional breeds using biochemical and molecular tools |
| Dong Li | G: Species diversity | Pangenome and genome variation analyses of pigs unveil genomic facets for their adaptation and agronomic characteristics |