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  |