

**EADGENE** European Animal Disease Genomics Network of Excellence for Animal Health and Food Safety

**Animal Disease Genomics: Opportunities and Applications**  
 10th - 11th June 2008, Edinburgh, UK

**Welcome and Introduction**

This publication represents the views of the Authors, not the EC. The EC is not liable for any use that may be made of the information.

**EADGENE**

**About EADGENE**

European Animal Disease Genomics Network of Excellence for Animal Health and Food Safety

- **Coordinating a genomics approach** to the unravelling of the host-pathogen interactions in domestic livestock
- **Providing the basic knowledge** necessary for the development of new or improved therapeutics and vaccines, improved diagnostics and the breeding of farm animals for disease resistance
- [www.eadgene.info](http://www.eadgene.info)

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**Key Facts**

- Duration 5 years: 2004-2009
- 13 Partners from 10 countries
- Industrial 'club of interest'
- EC contribution: €11.52m
- Lead Institute: INRA
- **Co-ordinator:** Marie-Hélène PINARD-van der LAAN

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**EADGENE's Achievements**

**Research:**

- Working groups on **Salmonella, mastitis, E. coli, and ISAV/IPNV**
- Inventories of genetic resources and recorded disease trails
- Phenotyping of immune responses in genetic models for disease resistance
- Comparative transcriptomic studies in hosts and pathogens
- Identification and characterization of virulence factors
- Integration and meta-analysis of gene expression data
- Identification of candidate genes and (large scale) SNP discoveries
- Genotyping using whole genome and targeted approaches
- Maps and annotation of animal and microbial genomes improved

**Integration:**

- Chicken, pig, and bovine DNA microarrays
- Bioinformatics tools
- Workshops and courses
- STS funding of over 30 scientists

**Technology Transfer:**

- Club of Interest
- Industry involvement in
  - ATO project
  - Data collection project
  - Disease resistance projects

**Communication:**

- Ethical guidance
- Newsletters
- [www.eadgene.info](http://www.eadgene.info)

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**Welcome to the 4th EADGENE days!**

**"Animal Disease Genomics: Opportunities & Applications"**

- **Progress made in EADGENE in 4 years !**
  - New opportunities for novel collaborative research
  - Concrete applications
- **Programme open to other European projects**
  - Last year, SABRE
  - This year, Med-Vet-Net.
- **Programme open to international collaborations**
  - Animal Trait Ontology Initiative workshop

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**"House Keeping" Rules**

- **Please switch off all mobiles**
- **Fire Exits**
  - Fire alarm test at 11.00 today – please ignore!
- **Please be on-time**
  - If you are late please enter lecture theatre between presentations
- **Poster sessions**
  - During coffee breaks, lunches, main session : Tuesday evening
- **Conference dinner – Tuesday 8pm**
  - By ticket only
  - Hand in unwanted tickets / request tickets at the registration desk
  - Map on back of ticket
  - "Heights" restaurant, 5<sup>th</sup> floor, Apex International Hotel
- **Interact with people**
- **Enjoy your day!**

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