



## ***Pig Genome I***

**First European Conference on Pig Genomics  
organized by COST European Network for Pig Genomics "PigNet" (COST action 861)  
February 20-21, 2006 in Lodi (Italy)**

### **Final program**

#### **Monday – February 20, 2006**

##### **h. 08.00 – 09.00: Registration**

h. 09.00 – 09.10: **Welcome** – Dr. Elisabetta Giuffra (local organizer) and François Hatey (PigNet Coordinator)

##### **h. 09.10 – 12.20: "Structural Genomics and Bioinformatics" – morning session**

*Chairman: Prof. Martien Groenen*

h. 09.10 - 09.50 keynote speaker: Dr. Peer Bork

"Comparative Metazoan genome analysis for predicting functional divergence and deducing evolutionary features"

h. 09.50 – 10.30 keynote speaker: Dr. Pietro Liò

"Using microarrays for identifying regulatory motifs and analysing time series gene expression"

##### **h.10.30 – 10.50 Coffee break**

h. 10.50 – 12.20: WG2 and WG4 meeting - Selected presentations

1. J. M. Reecy – NRSP-8 Pig Genome Informatics: Databases and Resources.
2. A. Caprera – A web-database platform for data mining and statistical analysis in a swine epidemiological study.
3. J. Gorodkin – Analysis of digital expression in the porcine genome using 98 cDNA libraries and 1,021,891 ESTs.
4. E. Torarinsson – Conserved RNA structure between genomic regions of human and mouse that are unalignable in primary sequence.
5. A-B. Nygaard – Alternative splicing of pig pre-mRNA.
6. A. Bonnet – Transcriptome of pig ovarian cells: discriminant genes involved in follicular development.

##### **h.12.20 – 14.15 Lunch buffet - first poster session (groups: 1,2,5,6)**

##### **h. 14.15 – 17.05: "Structural Genomics and Bioinformatics" - afternoon session**

*Chairman: Prof. Alan Archibald*

h. 14.15 – 14.55 keynote speaker: Dr. Jane Rogers  
"Pig genome sequencing - progress and prospects"

h. 14.55 – 15.35 keynote speaker: Dr. Jonathan Flint  
"Whole genome association reveals the genetic architecture of complex traits in mice"

h. 15.35 – 17.05: WG2 and WG4 meeting - Selected presentations

1. M. Mancini – Illumina Solutions to Large Scale Genotyping and Gene Expression Analysis using BeadArray® technology.
2. H-J. Megens - Assessment of genetic diversity and extent of LD in European and Chinese pig breeds using large scale SNP genotyping.
3. J. Demars – High resolution physical map of porcine chromosome 7 QTL region and comparative mapping of this region among vertebrate genomes.
4. S. Braglia – An association study of myopalladin and titin polymorphisms with meat quality and production traits in pigs.
5. S. Kusza – Study of non-classical class I MHC genes in pig.
6. A. Thomas – Innate immunity in pigs: study of several genes.

**h.17.05 – 17.30 Coffee break**

**h. 20.30 gala dinner**

## **Tuesday – February 21, 2006**

### **h. 09.00 – 12.45: “Pigs, human medicine and ethics” - session**

*Chairman: Dr. Patrick Chardon*

h. 09.00 – 09.40 keynote speaker: Dr. Anna Olsson  
“Pig Genomics and the public”

h. 09.40 – 10.20 keynote speaker: Prof. Cesare Galli  
“Pig somatic cell nuclear transfer and its application in biomedical research”

10.20 – 10.40 **Coffee break**

10.40 – 11.20 keynote speaker: Prof. David Simpson  
“The pig eye as a model for human retinal degenerative diseases and development of stem cell therapies”

h. 11.20 – 12.00 keynote speaker: Dr. Silvia Vincent Naulleau  
“The Melanoblastoma-bearing Libechov Minipigs: an accurate model to improve the knowledge of anti-tumoural self defence”

h. 12.00 – 12.45: WG1 and WG5 - Selected presentations

1. S. Genini – Porcine Arthrogryposis Multiplex Congenita (AMC), a disease model for human medicine.
2. C. Knorr – Molecular decipherment of porcine hernia inguinalis and scrotalis.
3. A.M. Neeteson - Experience with dissemination of research results and dialogue with industry.

**h.12.45 – 14.45 Lunch buffet – second poster session (groups: 3,4,7)**

### **h. 14.45 – 17.55: “Functional Genomics and Proteomics”**

*Chairman: Prof. Max Rothschild*

h. 14.45– 15.25 keynote speaker: Prof. Michel Georges  
“Uncovering roles for miRNAs in shaping phenotypic variability in livestock”

h. 15.25 – 16.05 keynote speaker: Prof. Rob Beynon  
“Protein turnover in muscle: strategies to understand a dynamic Proteome”

**h.16.05 – 16.25 Coffee break**

h. 16.25 – 17.55: WG3 - Selected presentations

1. P. Schüssler – 70mer microarray probes applied in whole genome expression analysis of pig (*Sus scrofa*).
2. S. Botti – Complementarity of gene expression data obtained by SSH and Operon 13K microarrays during PRRSV infection in pigs.
3. E. Sostaric – Profiling porcine oviductal epithelial cell surface membrane proteins.
4. T. Sayd – Proteome analysis of the sarcoplasmic fraction of pig muscles differing by meat quality traits: colour and tenderness.
5. M. Damon – Transcriptomic analysis of destructured ham.

6. N. Buys – Selection for the porcine IGF2-intron3-G3072A substitution: implications for the industry.

h. 18.00 Conference closing – Dr. François Hatey