

ANIMBIOGEN in EU

Centre of Excellence in Genomics, Biotechnology and Quality of Animal Products in Sustainable Production Systems with consideration of Animal Welfare

The Centre is financed by the 7th Framework Programme for research and technological development of the European Union within the Research Potential theme. The project will be realised in the years 2009-2012.

The main aims of the project are: to unlock and develop the long-term research potential of the Centre and strengthen the capacities of the Centre's researchers to participate successfully in research activities at the European level, as well as to create strategic partnerships with EU renowned research institutions.

Research focus of the Centre: animal breeding and genetics, sustainable animal production systems, quality of food of animal origin, animal welfare, functional genomics, reproductive biology, biotechnology, nutrigenomics, development of basic tools and technologies, including: transcriptomics, proteomics, metabolomics, bioinformatics.

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The Institute of Genetics and Animal Breeding of the Polish Academy of Sciences

The principal fields of the Institute activity include basic research on molecular genetics, cytogenetics, experimental embryology, biotechnology and animal ethology.

Applied research is conducted in the fields of population genetics, animal breeding, as well as animal maintenance and production systems. Studies on animal behavior and welfare are an important complement.

The principal purpose of applied research is the elaboration of methods of animal improvement and sustainable production systems aiming at obtaining safe and functional food, ensuring a high level of animal welfare and limiting the unfavourable effect of agriculture on the environment.



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**Centre of Excellence ANIMBIOGEN in EU
at the Institute of Genetics
and Animal Breeding
of the Polish Academy of Sciences**

CONFERENCE ON

**Functional genomics and its
application in meat and milk
quality**

**22-23 October 2009
Jastrzębiec n/ Warsaw, Poland**

Organizing Committee

Chairman:

Professor Lech Zwierchowski, PhD, DSc

Prof. Edward Dymnicki PhD, DSc

Prof. Jarosław O. Horbańczuk PhD, DSc

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Conference programme

22nd October 2009 – Thursday

10:00-11:00	Registration and welcome coffee
11:00-11:10	MORNING SESSION Welcome by Prof. Edward Dymnicki – Director of IGAB PAS, Jastrzębiec
11:10 - 11:40	Prof. Lech Zwierchowski - “Genomics great and small - studies in IGAB”. (Poland)
11:40 – 12:20	Prof. Jossi Hillel - “Biodiversity of chicken and its utilization in Marker Assisted Selection”. (Israel)
12:20 – 13:00	Prof. Tomasz Motyl - “Transcriptomic profile of stem/progenitor cells in bovine mammary gland”. (Poland)
13:00 – 14:10	Lunch break
14:10 – 14:50	AFTERNOON SESSION Prof. Roberta Davoli “A trascriptional profiling approach to identify functional genes affecting pig meat quality”. (Italy)
14:50– 15:30	Prof. Manfred Schwerin - “Expression profiling of E.coli and S. aureus inoculated primary mammary gland cells sampled from cows with different genetic predisposition for mastitis susceptibility”. (Germany)
15:30 – 16:10	Dr Marinus Te Pas - “Biomarker development for Pork quality”. (The Netherlands)
16:10– 16:30	Coffee break
16:30– 17:10	Dr Klaus Wimmers - “Functional genomics and genetical genomics approaches towards elucidating network of genes affecting waterholding capacity of pork”. (Germany)
17:10- 17:50	Prof. Marek Świątoński – “Polymorphism of 5'-flanking region and transcription level of selected candidate genes for fat tissue accumulation”. (Poland)
17:50 – 18:30	Dr Alexei Sazanov - “QTL in chicken: a look back and forward”. (Russia)
19:00	Banquet

23rd October 2009 – Friday

9:00 – 10:00	Meeting of the International Advisory Board
10:00 – 10:30	Inter-generation meeting – PhD students presentation
10:30 – 11:10	MORNING SESSION Prof. Eckhard Wolf - “Genetic engineering of pigs for biomedical research” or “Functional genome research in reproductive biology and biotechnology”. (Germany)
11:10 – 11:50	Prof. Jean-Francois Hocquette - “Functional genomics in beef cattle: current programs and potential progress”. (France)
11:50 – 12:05	Coffee break
12:05 – 12:40	Dr Peter Chrenek - “Milk and meat quality from transgenic rabbits”. (Slovakia)
12:40–13:15	Dr Krzysztof Flisikowski - “The genetics of milk QTLs: challenges and prospects”. (Germany)
13:15–13:50	Dr Mariusz Pierzchała – “DNA microarray analysis of postnatal genes transcription profile in m. longissimus dorsi and m. semimembranosus in three pig breeds, Duroc, Pietrain, Polish Landrace”. (Poland)
13:50	Discussion and conference summary
14:00	Lunch