

President, International Committee

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Conference Venue

Congress Center Leipzig
Messeallee 1
04356 Leipzig
Germany
www.ccl-leipzig.de

Conference Office

event lab.
Talstrasse 30
04103 Leipzig
Germany
E-mail: wcgalp2010@eventlab.org

Deadlines

Paper Submission
February 28, 2010

Early Bird Registration
January 31, 2010

Regular Registration
February 1 – May 31, 2010

REGISTRATION FEES

	Early fee (on or before January 31, 2010)	Regular fee (on or before May 31, 2010)	Late fee (after May 31, 2010, and on-site)
Conference registrants	€ 590.00	€ 690.00	€ 750.00
Young scientists*	€ 430.00	€ 430.00	€ 430.00
Invited speakers and session chairs	€ 290.00	€ 290.00	€ 290.00
Accompanying persons	€ 375.00	€ 375.00	€ 375.00
Evening gala	€ 60.00	€ 60.00	€ 60.00

* Young scientists up to the age of 29, supporting documents required

SOCIAL PROGRAM

Sunday, August 1, 2010

6:30 pm Official opening
Gewandhaus, Leipzig

Wednesday, August 4, 2010

12:30 pm Excursion followed by

7:00 pm A joyful summer evening
Palace Garden, Merseburg

Friday, August 6, 2010

8:00 pm Evening gala
Glas Hall, Leipzig Fair

MAIN SPONSOR



9th

World Congress
on Genetics
Applied to
Livestock
Production



Leipzig, Germany
August 1–6, 2010

On behalf of the organizing committee, I am honored to welcome you to the 9th WORLD CONGRESS ON GENETICS APPLIED TO LIVESTOCK PRODUCTION (WCGALP).

This congress is the premier meeting point for scientists involved in genetic improvement of livestock around the world. Much has changed in the field of applied livestock genetics over the past 50 years ... and certainly over the last 35 years since the first WCGALP was held in Madrid, Spain, in 1974. In the first week of August 2010, we will hear and read about:

- Species-specific breeding
- Genetics of complex traits
- Methodology and tools
- Genetic improvement programs
- Special topics

The state-of-the-art in quantitative and molecular genetics will be presented, and current knowledge on population genetics and genetic improvement strategies will be updated for each species so that future prospects of animal breeding can be discussed.

Further reasons for attending WCGALP in Leipzig, Germany, include:

- Renowned scientists and professionals
- Full support from science and government agencies
- Safe, modern city in the heart of Europe
- Close to the ISAG meeting that follows in Edinburgh
- Rich heritage of culture, music, and the performing arts in Leipzig and nearby Dresden, Potsdam, and Berlin

I personally would like to invite you to participate and enjoy WCGALP in Leipzig in August 2010. We all look forward to hosting this event and welcoming you here in Germany.

Ernst Kalm (Chair)

*Institute of Animal Breeding and Husbandry,
Christian-Albrechts-University, Kiel, Germany*

PLENARY LECTURES

Adriano Aguzzi, *University of Zurich, Switzerland*
Molecular biology of prion infections

Mike Goddard, *Department of Primary Industry and University of Melbourne, Australia*
Genomic selection in farm animal species - lessons learned and future perspectives

Trudy Mackay, *North Carolina State University, Raleigh, NC, USA*
Systems genetics of complex traits in *Drosophila*

Pardis Sabeti, *Harvard University, Cambridge, MA, USA*
Detecting and characterizing signals of recent evolutionary adaptation

Henning Steinfeld, *United Nations' Food and Agriculture Organization (FAO), Rome, Italy*
t.b.a.

Peter Visscher, *Queensland Institute of Medical Research, Brisbane, Australia*
Genome-wide association studies of complex traits in human populations: Past, present, progress, and implications for genomic selection in farm animals

Joachim von Braun, *International Food Policy Research Institute, Washington, DC, USA*
The role of livestock production for a growing world population

MAIN TOPICS

Species-specific breeding

- Dairy cattle and buffalo (jointly with Interbull);
Chair: Hermann Swalve (Germany)
- Beef cattle; *Chair: Rodolfo Cantet (Argentina)*
- Sheep and goats; *Chair: James Kijas (Australia)*
- Pigs; *Chair: Pieter Knap (Germany)*
- Poultry; *Chair: Badi Besbes (Italy)*
- Horses; *Chair: Ernest Bailey (USA)*
- Aquacultura; *Chair: Raul Ponzoni (Malaysia)*
- Other species (rabbits, cane rats, etc.);
Chair: Manuel Baselga (Spain)

Genetics of complex traits

- Reproduction; *Chair: Heiner Niemann (Germany)*
- Lactation; *Chair: Didier Boichard (France)*
- Growth, development, feed intake, and efficiency;
Chair: Rainer Röhe (UK)
- Disease resistance;
Chair: Marie-Hélène Pinard-van der Laan (France)
- Behavior; *Chair: Piter Bijma (Netherlands)*
- Product quality (meat, milk, etc.); *Chair: Dave Gerrard (USA)*

Methodology and tools

- Statistical and genomic tools for mapping QTL and genes;
Chair: Georg Thaller (Germany)
- Population genomics, SNP discovery, and genome sequencing;
Chair: Sigbjørn Lien (Norway)

- Functional genomics and systems biology;
Chair: Dirk-Jan de Koning (UK)
- Statistical methods – linear and non-linear models;
Chair: Rob Tempelman (USA)
- Software and bioinformatics; *Chair: Xiangdong Ding (China)*

Genetic improvement programs

- Advances in selection theory including experimental demonstrations; *Chair: Miguel Toro (Spain)*
- Selection using molecular information;
Chair: Johan van Arendonk (Netherlands)
- Design of selection schemes exploiting additive and/or non-additive effects; *Chair: Leo Dempfle (Germany)*
- Selection for harsh environments (e.g. tropics);
Chair: Fernando Madalena (Brazil)
- Breeding objectives and economics of selection schemes;
Chair: Peter Amer (New Zealand)
- Management of animal genetic resources – where are we going after the state-of-the-world report (jointly with FAO);
Chair: Arthur Mariante (Brazil)

Special topics

- Breeding and animal welfare; *Chair: Lotta Rydhmer (Sweden)*
- Animal breeding and environmental challenges;
Chair: John Gibson (Australia)
- Education and training; *Chair: Birgitta Malmfors (Sweden)*