General Information

President, International Committee Jean-Michel Elsen (France) E-mail: Jean-Michel.Elsen@toulouse.inra.fr

Chair, Local Organizing Committee Ernst Kalm (Germany) E-mail: ekalm@tierzucht.uni-kiel.de

Chair, Scientific Committee Henner Simianer (Germany) E-mail: hsimian@gwdg.de

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
Students	€ 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

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 8:00pm Evening gala Glas Hall, Leipzig Fair

www.wcgalp2010.org

General Information



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

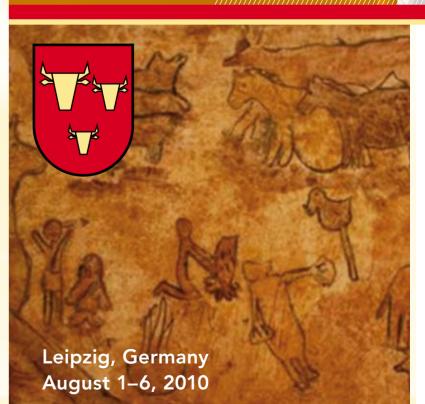
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June 2009 | No liability can be accepted for any errors. The program is subject to alteration

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9th World Congress on Genetics Applied to Livestock Production



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Welcome

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

Scientific Program

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

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: Sigbjoern Lien (Norway)*

Henning Steinfeld, United Nations' Food and Agriculture Organization (FAO), Rome, Italy Animal breeding, environmental impact, and economic development

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 ge-nomic 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

- 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)