



International symposium:  
**New opportunities for conservation genetics  
with genome wide information**

**Monday 8<sup>th</sup> December 2008, 09.00–16.30, Hotel De Nieuwe Wereld,  
Wageningen**

Genetic diversity is of vital importance to cope with changing environments and human demands. Currently genetic diversity is under threat, both in the wild and in crops and domestic animals.

With the rapid development of molecular biology, methods to measure genetic variability in detail across the entire genome are available. This symposium explores the new possibilities for genetic conservation opened up by the latest molecular technologies.

### Final program

- 09.00 Registration and coffee/tea**  
**09.30 John Woolliams (Roslin Institute, UK)** - From animal genetic resources to the animal genomic revolution  
**10.15 Theo van Hintum (CGN, NL)** - Conserving and mining plant genetic resources using knowledge of the genome  
**11.00 Coffee/tea**  
**11.30 Richard Crooijmans (ABGC, NL)** - New molecular technologies in animal biodiversity  
**12.15 Lunch**  
**13.15 René Smulders (PRI, NL)** - Screening for genetic diversity in birch pollen allergens, a multigene family of Bet v 1 (PR-10) proteins  
**Mario Calus (ABGC, NL)** - Genomic selection  
**Jack Windig (ABGC, NL)** - Opportunities offered by dense marker maps for local breeds  
**Marco Bink (Biometris, NL)** - Tracking favourable QTL alleles in pedigree populations  
**14.35 Coffee/tea**  
**15.00 Krista Engelsma (ABGC, NL)** - A method to determine neutral genetic diversity across a genome, using dense marker maps  
**Mirjam Jacobs (SenterNovem, NL)** - Molecular methods in studying Biosystematics in wild potatoes (*Solanum* section *Petota*)  
**Martino Cassandro (University of Padova, IT)** - Marker assisted conservation of animal genetic resources  
**Paolo Ajmone Marsan (Università Cattolica, IT)** - GLOBALDIV project  
**16.30 Close**

### Organisation

This symposium is organized by the working group Biodiversity within the Animal Breeding and Genomics Centre (**ABGC**) of the Animal Sciences Group, in collaboration with the Graduate School Wageningen Institute of Animal Sciences (**WIAS**), the Graduate School for Production Ecology and Resource Conservation (**PE&RC**) and the Centre of Genetic Resources The Netherlands (**CGN**).

Kor Oldenbroek (WIAS, CGN)  
Krista Engelsma (ABGC,CGN)

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