



# ISAG CONFERENCE 2012, Cairns, Australia

<b>Pig Genetics and Genomics</b>
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STANDING COMMITTEES / WORKSHOPS      Information will be posted online

**Organised by a standing committee**      yes      **no X**

**Date and meeting time: 19/07/2012**

**Chair, name and contact email: Barbara Harlizius, Barbara.harlizius@topigs.nl**

**Agenda / programme attached**

**Number of participants at meeting: 82-127**

**Summary of the meeting** including votes, decisions taken and plans for future conferences

A standing committee was elected after the scientific session. Two new members were elected to assist the chair with the preparation and organization of the workshop, Jun-Heon Lee, Daejeon, South Korea, and Elisabetta Giuffra, PTP, Lodi Italy (currently at INRA, Jouy-en-Josas, France).

It was decided to keep the comparison test for the parentage testing activities separately and to ask Vincezo Landi to organize it as an official ISAG body as for the other species. People interested to participate were informed to contact Vincenzo directly.

The standing committee decided after the workshop to have the members of the standing committee elected for a period of two but not longer than three conferences. Members should cover different continents and scientific areas of pig genetics and genomics. The program for the next conference in 2014 will be selected together from the abstract submission. Members of the standing committee are encouraged to propose speakers to the organizers of the next ISAG conference.

**Committee members (see above)**

Chair      term of service  
E mail address:

Other members      term of service:

## Thursday morning, July 19<sup>th</sup>: Workshop Session #3 (9 am – 12:30 pm)

**Pig Genetics & Genomics (Chairperson: Barbara Harlizius)**

**Room:**

Time	Speaker	Presentation title	Abstract
<b>I. Structure and expression of the Pig Genome</b>			
9:00 am	Barbara Harlizius	Introduction	
9:10 am	Denis Larkin	Pig genome evolution: chromosomal rearrangements and their impact on gene networks	
9:30 am	Nicholas Hudson	Tissue specific regulatory network of the porcine transcriptome	
9:50 am	Christiane Neuhoff	Proteome analysis of skeletal muscle in high and low drip loss Duroc × Pietrain F2 pigs	
10:05 am	Jianfeng Liu	A genome-wide detection of copy number variations using SNP genotyping arrays in swine	
<b>II. Applied genomics: Genomic selection</b>			
10:20 am	Aisaku Arakawa	Validation of genomic breeding value predicted in a Duroc closed population	
10:30 am	<b>MORNING TEA</b>		
<b>II. Applied genomics: Congenital diseases</b>			
11:00 am	Leonardo Murgiano	A de novo germline mutation in MYH7 causes a progressive dominant myopathy in pigs	
11:15 am	Anneleen Stinckens	Promising loci for the susceptibility to both scrotal hernia and cryptorchidism in pigs	
<b>II. Applied genomics: Quantitative health traits</b>			
11:30 am	Eduard Murani	Identification of a functional variant of the porcine glucocorticoid receptor with a major effect on the activity of the HPA axis	
11:45 am	Claire Rogel-Gaillard	Genome-wide association and transcriptome study for immunity traits in French Large White pigs	
12:05 pm	Joan K. Lunney	Genetic control of swine responses to PRRSV infection: Progress of the PRRS Host Genetics Consortium	
12:25 pm		Business meeting	
12:30 pm		Close	