



# ISAG

## CONFERENCE 2014, Xi'an, China

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

**Organised by a standing committee**      **yes**

**Date and meeting time:**  
**2014-07-29 14:00 till 17:00 hour**

**Chair, name and contact email:**  
**Dr. Richard Crooijmans**  
**richard.crooijmans@wur.nl**

**Agenda / programme**

<b>Time</b>	<b>Author name</b>	<b>Presentation topic</b>	<b>Abstract number</b>	<b>Workshop invited speaker (yes/no)</b>
10 min	Dr. Hans Cheng	How to improve the chicken genome assembly		yes
10 min	Dr. Xiaorong Gu	Linkage analysis to improve the chicken genome assembly	712	no
10 min	Mr. Yiyuan Yan	Characterization of insertion and deletion variation in chicken genome using whole genome sequencing data	320	no
10 min	Dr Guoqiang Yi	Copy number variation analysis in the chicken genome using next-generation sequencing	312	no
10 min	Miss Qian Zhang	The analysis of global methylation levels and DNA methyltransferases expression in chickens	435	no
10 min	Miss Qiong Wang	Genomic Allele-Specific Expression Analysis in Chickens Based on RNA-seq Data	301	no
10 min	Dr. Hai Xiang	Early Holocene chicken domestication in northern China	296	no

10 min	Mr. Chen Wang	Molecular detection of genetic introgression of domestic chicken into green and red junglefowls	318	no
10 min	Dr. Ijguo Xu	Fine mapping of locus ID for green legs in Chinese indigenous chickens	207	no
10 min	Dr. Ying Guo	A complex Genomic Structural Variation On Gallus gallus Chromosome 27 is Associated with Beard in Chickens	203	no
10 min	Dr. Chenglong Luo	A genome-wide association study reveals the existence of major loci affecting the antibody response to avian influenza virus in chicken	216	no
10 min	Mr. Damarius Fleming	Analysis of African chicken ecotypes using a 600k SNP chip	397	no
10 min	Dr. Alan Vignal	New duck genetic maps: a tool for QTL and proteinQTL (pQTL) detection	655	no
10 min	Prof. Yinhu Huang	Transcriptomic analysis of lung tissues in ducks highlights networks related to anti-avian H5N1 influenza A virus	713	no
10 min	Mr. Rui Liu	Whole-genome resequencing provide insight into duck domestication and diversification	378	no
10 min	Dr. Xiaoyong Du	Whole Transcriptome SNP Discovery and Analysis of Genetic Diversity in Five Duck ( <i>Anas platyrhynchos</i> ) Populations	149	no
10 min	Prof. Dr. Martien Groenen	The great tit genome		yes
10 min	Dr. Bertrand Bed'Hom	Simultaneous characterization of genomic regions associated with two feather traits and two eggshell colors in domestic Japanese Quail ( <i>Coturnix japonica</i> )	628	no

## Number of participants at meeting:156

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

In total 16 abstract have been selected for oral presentation and there were 2 invited speakers for this workshop. The program was based on the following topics :

### Chicken Genome

Genome and genomic resources

Domestication

Detection and use of variation

### Duck genome

Genome and genomic resources

Domestication

Detection and use of variation

### Other genomes

Final program is indicated above and was very successful. Many young researchers were given the opportunity to present their work. Presentations were of good quality and there was time for questions.

The standing committee Avian Genetics and Genomics for the next ISAG meeting in 2016 was elected, where Xiaoxiang Hu was elected as new member of the standing committee. Richard Crooijmans was elected as chair. Plans are there to organize an Avian Genetics and Genomics workshop at the ISAG2016 meeting in Salt Lake City, USA.

### Committee members (the new committee)

Chair	term of service	E mail address:
Richard Crooijmans	ISAG214-2019	richard.crooijmans@wur.nl
Other members	term of service	E mail address:
Alain Vignal	ISAG2014-2019	alain.vignal@toulouse.inra.fr
Martien Groenen	ISAG2014-2019	martien.groenen@wur.nl
Susan Lamont	ISAG2014-2019	sjlamont@iastate.edu
Ning Li	ISAG2014-2019	ninglcau@cau.edu.cn
Xiaoxiang Hu	ISAG2014-2019	huxx@cau.edu.cn

### COMPARISON TEST (2013-2014)

**no**