

## ISAG 2012 Conference Program

Time	Sunday, July 15th	Monday, July 16th	Tuesday, July 17th	Wednesday, July 18th	Thursday, July 19th	Friday, July 20th
8:30 - 9:00 AM		Opening Ceremony				
9:00 - 10:30 AM		Plenary Session #1	Plenary Session #3	<i>TOURS</i>	Workshop Session #3	Plenary Session #5
10:30 - 11:00 AM		Morning tea	Morning tea	<i>TOURS</i>	Morning tea	Morning tea
11:00 - 12:30 PM		Plenary Session #2	Plenary Session #4	<i>TOURS</i>	Workshop Session #3 (continued)	Plenary Session #6
12:30 - 2:00 PM	<i>Registration</i>	Lunch + poster session (even number)	Lunch + poster session (odd number)	<i>TOURS</i>	Lunch + poster session (all)	Lunch (12:30 - 1:30 PM)
2:00 - 3:30 PM	<i>Registration</i>	Workshop Session #1	Workshop Session #2	<i>TOURS</i>	Workshop Session #4	Alan Wilton Memorial Plenary Session (1:30 - 2:15): Award Ceremony (2:15-2:30 PM)
3:30 - 4:00 PM	<i>Registration</i>	Afternoon tea	Afternoon tea	<i>TOURS</i>	Afternoon tea	Business Mtg + Closing (2:30 - 4:00 PM)
4:00 - 5:30 PM	<i>Registration</i>	Workshop Session #1 (continued)	Workshop Session #2 (continued)	<i>TOURS</i>	Workshop Session #4 (continued)	Afternoon tea
5:30 - 7:30 PM	<b>Welcome Reception</b>					
7:00 - 11:00 PM					<b>Conference dinner</b>	

## Plenary Sessions

### Monday morning, July 16<sup>th</sup>

#### ***Session #1 (9 am – 10:30 am): Quantitative Genetics Meets Molecular Genetics I***

Prof. Mike Goddard, Professorial Fellow in Animal Genetics at the University of Melbourne and the Victorian Department of Primary Industries:

*“Genetic Architecture of complex traits and prediction of genetic value”*

Prof. John Gibson, Director of the Centre for Genetic Analysis and Applications at the University of New England:

*“How genomic technologies can bring benefits to livestock farmers of the developing world”*

#### ***Session #2 (11 am – 12: 30 pm): DNA Analysis***

Prof. Alan Cooper, Australian Research Council Future Fellow and Director of the Australian Centre for Ancient DNA at the University of Adelaide:

*“Using ancient DNA to identify genetic diversity lost during the domestication process, past hybridization events, and cryptic species: From bovids to chickens”*

Assoc. Prof. Kathy Belov, Australian Research Council Future Fellow and Associate Professor in Animal Genetics at the University of Sydney:

*“Can genomics save the Tasmanian devil from extinction?”*

### Tuesday morning, July 17<sup>th</sup>

#### ***Session #3 (9 am – 10:30 am): Quantitative Genetics Meets Molecular Genetics II***

Prof. Morris Soller, Professor (Emeritus) at the Hebrew University of Jerusalem:

*“60 generations of broiler breeding: Secondary effects and the SIGV model for continued response to selection”*

Prof. Takashi Gojobori, Vice-Director of the National Institute of Genetics and Professor at the Center for Information Biology and DNA Data Bank of Japan:

*“Evolutionary origin and genetic differentiation of Japanese domesticated chickens”*

#### ***Session #4 (11 am – 12: 30 pm): Quantitative Genetics Meets Molecular Genetics III***

Mr. John McEwan, Senior Scientist at AgResearch in New Zealand:

*“Sheep genomics in New Zealand: research progress and industry applications”*

Prof. John Quackenbush, Professor of Computational Biology and Bioinformatics at Harvard University and the Director of the Center for Cancer Computational Biology at the Dana-Farber Cancer Institute:

*“Moving beyond the mean: The role of variation in determining phenotype”*

## **Plenary Sessions ~ continued**

**Friday morning, July 19<sup>th</sup>**

### ***Session # 5 (9 am – 10:30 am): Epigenetics***

Prof. Anne Ferguson-Smith, Professor of Developmental Genetics at Cambridge University:  
*“Intergenerational epigenetic consequences of environmental compromise in a mouse model of under-nutrition”*

Prof. Emma Whitelaw, Senior Scientist and Department Coordinator of Cell & Molecular Biology at Queensland Institute of Medical Research:  
*“Epigenetics in development”*

### ***Session #6 (11 am – 12: 30 pm): New Technologies***

Prof. Ning Li, Professor of Animal Molecular Genetics at the China Agricultural University and Director of the State Key Laboratory of Agrobiotechnology:  
*“Genomic editing of large farm animals comes of age”*

Prof. Claire Wade, Chair of Computational Biology and Animal Genetics at the University of Sydney:  
*“Efficiency of light Illumina HiSeq 2000 whole-genome sequence for mutation detection”*

**Friday afternoon, July 19<sup>th</sup>**

### ***Alan Wilton Memorial Session (1: 30 pm – 2:30 pm)***

Dr. Barbara Zangerl, Research Assistant Professor of Medical Genetics at the University of Pennsylvania and Australian School for Advanced Medicine at Macquarie University:  
*“When genetics goes to the dogs”*

## **Workshop Sessions**

### **Monday afternoon, July 16<sup>th</sup>**

#### ***Session #1 (2 pm – 5:30 pm)***

Horse Genetics & Genomics (Chairperson: Bianca Haase)

Domestic Animal Sequencing (Chairpersons: James Reecy, Dave Burt)

Animal Forensics Genetics (Chairperson: Sree Kanthaswamy)

Llama and Alpaca Working Group (Chairpersons: Cecilia Penedo, Eberhard Manz)

Genetics of Immune Response (Chairpersons: Claire Rogel-Gaillard, Sue Lamont)

### **Tuesday afternoon, July 17<sup>th</sup>**

#### ***Session #2 (2 pm – 5:30 pm)***

ISAG-FAO Genetic Diversity (Chairperson: Hans Lenstra)

Avian Genetics & Genomics (Chairperson: Richard Crooijmans)

Ruminant Genetics & Genomics (Chairperson: Fiona Buchanan)

Equine Genetics & Thoroughbred Parentage Testing (Chairperson: Ann Trezise)

Comparative MHC Workshop (Chairpersons: Keith Ballingall, Mike Stear)

### **Thursday morning, July 19<sup>th</sup>**

#### ***Session #3 (9 am – 12:30 pm)***

Pig Genetics & Genomics (Chairperson: Barbara Harlizius)

Cattle Molecular Markers & Parentage Testing (Chairpersons: Romy Morrin-O'Donnell, Marie-Yvonne Boscher)

Dog and Cat Genetics & Genomics (Chairpersons: Kathryn Graves, Leslie Lyons)

Publishing in *Animal Genetics* (Chairperson: Chris Moran)

Domestic Animal Epigenetics (Chairperson: Ross Tellam)

### **Thursday afternoon, July 19<sup>th</sup>**

#### ***Session #4 (2 pm – 5:30 pm)***

Comparative & Functional Genomics (Chairperson: Klaus Wimmers)

Genetics & Genomics of Aquaculture Species

Livestock Genomics for Developing Countries (Chairperson: Wayne Pitchford)

Applied Genetics of Companion Animals (Chairpersons: Leslie Lyons, Cindy Harper)

Applied Sheep & Goat Genetics (Chairpersons: Gesine Luehken, Stephen White)