

**Domestic Animal Epigenetics Workshop**

**Chair:** Hasan Khatib, University of Wisconsin-Madison, USA

Following the success of the first Animal Epigenetics workshop in ISAG 2008 and given that epigenetics is gaining a huge interest among the animal genetics community, the organizers decided to pursue a second epigenetics workshop. Over 90 people attended the workshop. The speakers represented different countries and different species and topics in animal epigenetics.

**Program of the workshop:**

**Hasan Khatib, USA:** Introduction

**Martin Braunschweig, Switzerland:** Nutritional effects on epigenetic modifications and their inheritance in pigs

**Ross Tellam, Australia:** Genome-wide CHIP-SEQ Analysis of Histone 3 Lysine 27 Trimethylation During Ovine Skeletal Muscle Development Highlights Chromosome Organisation and Regulation of Gene Expression

**Steve Bishop, UK:** Exploring evidence for an imprinted QTL for muscle depth on OAR18

**Ning Li, China:** Genome-wide Differential DNA methylation in the Wild and Domestic chicken

**Rainer Fürbass, Germany:** The placenta-specific promoter of the bovine CYP19 gene is epigenetically repressed in caruncles and activated by the upstream stimulating factors 1 and 2 in trophoblasts

**Suzanne Rowe, UK:** Detecting imprinted QTL in general pedigrees: a cautionary tale

For the next ISAG meeting, we will propose the establishment of a standing committee for this workshop to promote collaborations among animal epigenetics researchers.