



ISAG
CONFERENCE 2017, Dublin, Ireland

Animal Epigenetics

STANDING COMMITTEES / WORKSHOPS Information will be posted online

Organised by a standing committee yes

Date and meeting time: July 18th , 2017; 2:30 pm-6:00 pm

Chair, name and contact email: Stephanie McKay; email: Stephanie.mckay@uvm.edu

Agenda / programme

Stephanie McKay: Introduction

14:30 -15:15 **Keji Zhao (keynote speaker)**, National Heart, Lung, and Blood Institute, USA.
Invited Workshop Speaker: Dynamics of 4D Nucleome during differentiation of mouse hematopoietic stem cells.

15:15 – 15:35 **J. Toivonen**, Universidad de Zaragoza, Zaragoza, Spain;
DNA methylation and microRNA modifications in scrapie.

15:35 – 15:55 **A. O’Doherty**, University College Dublin, Belfield, Dublin, Ireland
Evaluating the role of epigenomic modifications in host-pathogen interaction for bovine alveolar macrophages infected with Mycobacterium bovis.

15:55 - 16:30 Break

16:30 – 16:50 **M. S. Crouse**, North Dakota State University, Fargo, ND, USA
Maternal nutrition during the first 50 days of gestation alters expression of histone and histone modifying genes in bovine fetal liver.

16:50 – 17:10 **L. Liu**, China Agricultural University, Beijing, China
Transgenerational phenotypic and epigenetic inheritance across three generations in layers induced by Poly(I:C).

17:10 – 17:30 **N. Trakooljul**, Leibniz Institute for Farm Animal Biology (FBN), Dummerstorf, Germany
Update on DNA methylation datasets of FAANG reference samples for the chicken and pig.

17:30 – 17:50 **K.-T. Lee** National Institute of Animal Science, Wanju, Jeonbuk, South Korea
Genome-wide identification of imprinted genes and its methylation statuses in various tissues of Hanwoo.

Number of participants at meeting: 174

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

The workshop included seven invited speakers representing different disciplines of animal epigenetics. Speakers were selected to represent different species, different institutions and different disciplines of animal epigenetics. Due to funding from ISAG, we were able to invite Dr. Keji Zhao from the National Heart, Lung, and Blood Institute, USA.

Committee members (the new committee)

Chair: Stephanie McKay	term of service: 2016-2019	E mail address: stephanie.mckay@uvm.edu
Other members: Hasan Khatib Congjun Li Kyle Schachtschneider Alison Ward	term of service: 2016-2019 2016-2019 2016-2019 2016-2019	E mail address: hkhatib@wisc.edu Congjun.Li@ars.usda.gov kschach2@illinois.edu alison.ward@ndsu.edu

SIGNATURES

Chair 