



**ISAG . 2019**

**37th International Society for  
Animal Genetics Conference**

**July 7 - 12, 2019 - Lleida, Spain**

## Companion Animal Genetics and Genomics

**Organised by a standing committee:**      YES       NO

### Meeting information

Date: July 11

Time: 2:30 AM – 6:00 PM

Number of participants: 70

### Chair

Name: Heather Huson

Affiliation: Cornell University

Contact email: [hjh3@cornell.edu](mailto:hjh3@cornell.edu)

### Agenda

2:30 PM    OP166    **A comparative review of the deleterious variants burden in the domestic cat.**

W. C. Warren\*<sup>1</sup>, R. Buckley<sup>1</sup>, F. H. G. Farias<sup>2</sup>, R. Middleton<sup>3</sup>, W. J. Murphy<sup>4</sup>, and L. A. Lyons<sup>1</sup>, <sup>1</sup>*University of Missouri, Columbia, MO, USA*, <sup>2</sup>*Washington University School of Medicine, St Louis, MO USA*, <sup>3</sup>*Nestlé Purina Research, St Louis, MO, USA*, <sup>4</sup>*Texas A&M University, College Station, TX, USA*.

3:00 PM    OP168    **Mining the 99 Lives cat genome sequencing initiative database.**

L. A. Lyons\*, R. M. Buckley, and 99 Lives Consortium, *College of Veterinary Medicine, University of Missouri, Columbia, MO, USA*.

3:15 PM                    **Precision Medicine in Dogs: Some new causative variants for inherited**

	<p><b>diseases.</b>  T. Leeb*, <i>University of Bern, Institute of Genetics, Department of Clinical Research and Veterinary Public Health, Bern, Switzerland.</i></p>
3:30 PM	<p>OP171 <b>Multi-breed comparison of canine lymphoma susceptibility.</b>  S. A. Mortlock, M. M.-J. Chen, P. Soh, V. W. T. Hsu, M.-S. Khatkar, P. F. Bennett, R. M. Taylor, and P. Williamson*, <i>The University of Sydney, Sydney, NSW, Australia.</i></p>
3:45 PM	<p>OP172 <b>Assessing the genetic contribution to complex behavioural traits in German Shepherd dogs.</b>  J. Friedrich*<sup>1</sup>, P. Arvelius<sup>2</sup>, E. Strandberg<sup>3</sup>, A. Talenti<sup>1</sup>, E. Sánchez-Molano<sup>1</sup>, R. Pong-Wong<sup>1</sup>, J. Hickey<sup>1</sup>, M. Haskell<sup>4</sup>, and P. Wiener<sup>1</sup>, <sup>1</sup><i>Division of Genetics and Genomics, The Roslin Institute and Royal (Dick) School of Veterinary Studies, University of Edinburgh, Midlothian, UK,</i> <sup>2</sup><i>Swedish Armed Forces Dog Training Center, MÅRSTA, Sweden,</i> <sup>3</sup><i>Department of Animal Breeding and Genetics, Swedish University of Agricultural Sciences, Uppsala, Sweden,</i> <sup>4</sup><i>Scotland's Rural College, Edinburgh, UK.</i></p>
4:00 PM	<p><b>Coffee/Tea Break.</b></p>
4:30 PM	<p>OP170 <b>An early onset retinopathy in Golden retriever dogs.</b>  S. Mäkeläinen*<sup>1</sup>, K. Narfström<sup>2</sup>, B. Ekesten<sup>3</sup>, G. Andersson<sup>1</sup>, and TF Bergström<sup>1</sup>, <sup>1</sup><i>Department of Animal Breeding and Genetics, Swedish University of Agricultural Sciences, Uppsala, Sweden,</i> <sup>2</sup><i>Section for Comparative Ophthalmology, College of Veterinary Medicine, University of Missouri-Columbia, Columbia, Missouri, USA,</i> <sup>3</sup><i>Department of Clinical Sciences, Swedish University of Agricultural Sciences, Uppsala, Sweden.</i></p>
5:00 PM	<p>OP173 <b>An haplotype view of cystinuria in dog.</b>  S. Frattini*<sup>1</sup>, M. Cortellari<sup>1</sup>, A. Talenti<sup>2</sup>, A. Negro<sup>1</sup>, C. Biagini<sup>1</sup>, M. Polli<sup>1</sup>, and P. Crepaldi<sup>1</sup>, <sup>1</sup><i>Department of Veterinary Medicine, University of Milan, Milan, Italy,</i> <sup>2</sup><i>The Roslin Institute, University of Edinburgh, Easter Bush Campus, Midlothian, UK.</i></p>
5:15 PM	<p><b>Update: Conference on Canine and Feline Genetics and Genomics.</b></p>
5:30 PM	<p><b>Business meeting.</b></p>
5:15 PM	<p><b>Update: Conference on Canine and Feline Genetics and Genomics.</b></p>
5:30 PM	<p><b>Business meeting.</b></p>

**Summary of the meeting**

The workshop was well-attended with the room filled to capacity. The presentations represented both cat and dog research with most presenters using all of their allocated time. There was not much time for questions, but hopefully further discussions occurred after the session or during the break. We had difficulty with the microphone during the first half of the session which was remedied after the break. Fortunately, most of our speakers were easily heard in our smaller room.

The group discussed attendance challenges for this section related to the fact that both ISAG and the Conference on Canine and Feline Genetics and Genomics are now held on the same year, within months of one another. There is the potential for both of these to be in Sydney, Australia in 2023 depending upon final determination of conference venues. Should that occur, the group discussed ways to integrate the two meetings to maximize attendance and minimize individual travel obligations.

We also discussed the timing of talks which was brought up in the Chairs meeting. Specifically, it was generally agreed upon that keeping section talks all the same amount of time was preferable so that attendees could easily switch between sections. Our particular section chose to have 2 highlighted talks for 30 min as opposed to just one this year to highlight both dogs and cats. We liked this and it still kept us on the same basic schedule as other sections. We really liked the idea of “lightning” talks of 3min in the future but thought this would only be really beneficial if our session were to meet prior to poster presentations. The objective would be for a lightning talk to highlight and attract attendance to posters from that section following the verbal presentation. Similarly, we liked the idea of identifying abstract authors who were graduate students so that a certain number of our talks could be specifically designated for graduate student presentations.

Our standing committee had the following committee members retire from service. We thank them for their time and participation; Nuket Bilgen (co-chair) and Alexandre Vasilescu. Heather Huson was re-elected as co-chair. Robert Grahn and Tosso Leeb were re-elected as committee members, all for a 2<sup>nd</sup> term of service. Jeffrey Schoenebeck, from our current standing committee, was elected as co-chair. Wes Warren was elected as a new standing committee member. There is a current imbalance in our committee members with 1 member terming in 2021 and 4 members terming in 2023. Our goal is to elect new members to grow our committee at our next meeting so that this term change becomes more balanced in the future.

**Committee members (the new committee)**

Other members	Term of service	E mail address
Heather J. Huson (Cornell University)	2019-2023	hjh3@cornell.edu
Jeffrey Schoenebeck (Roslin Institute)	2017-2021	Jeff.Schoenebeck@roslin.ed.ac.uk
Robert Grahn (UC Davis)	2019-2023	ragrahn@ucdavis.edu
Tosso Leeb (University of Bern)	2019-2023	tosso.leeb@vetsuisse.unibe.ch
Wes Warren (University of Missouri)	2019-2023	warrenwc@missouri.edu

8/19/2019

X *Heather J. Huson*

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Heather J. Huson  
Companion Animal Genetics and Genomics, ...  
Signed by: hjh3

**For information - please delete this page from the report**

**IMPORTANT INFORMATION FROM THE WORKSHOP AND STANDING COMMITTEE GUIDELINES:**

All members of a standing committee need to have individual membership of ISAG throughout the time of service. If new committee members are not ISAG members when elected it is necessary to become so as soon as possible.

The workshop Chair has to compile the report of the workshop and then circulate it to the members of the Standing Committee for any comment and revision. The report then has to be emailed to the ISAG secretary within the noted deadline.

**PLEASE EMAIL A WORD VERSION AND A SIGNED PDF VERSION OF THIS REPORT TO THE ISAG SECRETARY: [ISAGsecretary@assoqh.org](mailto:ISAGsecretary@assoqh.org)**



## **INTERNATIONAL SOCIETY FOR ANIMAL GENETICS**

**DEADLINE AUGUST 31st 2019**

A draft of this report will be available to all ISAG members on the ISAG web. Workshop participants are allowed to comment and may ask for revision. Such a request for revision has to be given including relevant reasons and arguments. The Secretary will send these requests to the Chair for dispute in the Standing Committee. Within two weeks the Standing Committee has to answer the Secretary. If no comments from participants have been received within two weeks, the report is considered to be approved and published on the ISAG web.

For more information please see the committee guidelines and comparison test rules.