

Workshop: Companion Animal Genetics & Genomics

STANDING COMMITTEES / WORKSHOPS Information will be posted online

Organised by a standing committee **yes**

Date and meeting time: Monday July 25th 14.00-17.30

Chair, name and contact email: Co-chair (Cat) Leslie Lyons (lyonsla@missouri.edu) and Co-chair (Dog) Tomas Bergström (tomas.bergstrom@slu.se)

Agenda / programme attached

Number of participants at meeting: Between 30 and 50

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

The workshop Companion Animal Genetics & Genomics at the 35th ISAG meeting in Salt Lake City consisted of seven oral presentations of 15 minutes followed by questions from the audience. In addition, Leslie Lyons presented an update on the cat reference genome and other felid genomes. This was followed by a discussion of an initiative to sequence ten thousand dog genomes (Dog 10K Genomes Project). Members for the standing committee were elected during the business meeting.

1. Summary of the workshop presentations.

- (i) The Chairs introduced the workshop and welcomed the speakers and audience.
- (ii) The first presentation was given by **Giulietta Minozzi** (Università degli Studi di Milano, Milan, Italy) and entitled “Study of the mutant MDR1 allele in four Collie breeds in Italy”.
- (iii) The second presentation entitled “Around the tail of the Khmer cat” was provided by **Maria Logeri**, (Università degli Studi di Milano, Milan, Italy).
- (iv) The third presentation was provided by **Heather Huson** (Cornell University, Ithaca, NY, USA) whom gave a talk entitled “Runs of homozygosity highlights candidate genes and biological pathways related to athletic performance in Alaskan sled dogs”.
- (v) The fourth presentation was given by **Leslie Lyons** (College of Veterinary Medicine, University of Missouri-Columbia, MO, USA) with the title “Precision medicine and 99 lives cat genome initiative”.

(vi) The fifth presentation was from **James Sacco** (Drake University, Des Moines, IA, USA) who presented a study entitled “DNA sequencing and genetic polymorphism discovery in the canine monoamine oxidase A (MAOA) gene”.

(vii) The sixth presentation was provided by **Nicole Tate** (University of Minnesota, Saint Paul, MN, USA) with a talk entitled “Three diverse mutations underlying canine xanthine urolithiasis”.

(viii) The oral presentations “Whole genome sequencing of canine family trios to identify rare alleles for Mendelian diseases) was concluded with a presentation by **Suvi Mäkeläinen** (Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden).

2. After the oral presentations, Leslie Lyons gave an update on the cat reference genome and other felide genomes. This was followed by a discussion of the “Dog 10K genomes project”.
3. The committee needs to be more proactive with soliciting participation from the canine and the feline research communities for future conferences. Perhaps forensic oriented discussions could be incorporated into the workshop?

Election of new committee members

Leslie Lyons (Department of Veterinary Medicine and Surgery, College of Veterinary Medicine, University of Missouri, Columbia, MO, USA) and Tomas Bergström (Department of Animal Breeding and Genetics, Swedish University of Agricultural Sciences (SLU), Uppsala, Sweden) agreed to continue to serve as co-chairs (sharing the role as chairs) for the workshop: Companion Animal Genetics & Genomics until the ISAG meeting in Dublin, Ireland 2017.

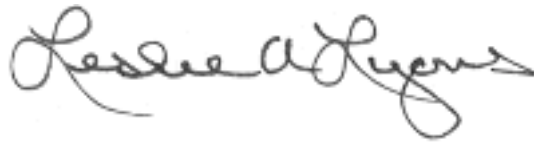
Heather Huson (Department of Animal Science, Cornell University, Ithaca, NY, USA), Robert Grahn (Veterinary Genetics Laboratory, University of California at Davis, Davis, CA, USA) and Tosso Leeb (Institute of Genetics, University of Bern, Bern, Switzerland) were nominated, seconded and duly elected to serve on the committee.

Committee members not in attendance (Drs. Vasilescu & Bilgen) will remain on the committee. Terms of service were adjusted to coincide with the change of ISAG meetings to odd years (2017, 2019).

Committee members (the new committee)

Signature

Co-chair Leslie Lyons
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Co-chair Tomas Bergström
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