

Horse Genetics and Genomics Workshop

STANDING COMMITTEES / WORKSHOPS

Organised by a standing committee yes

Date and meeting time: Sunday July 24th, 2-5:30 PM

Chair, name and contact email: Rebecca Bellone rbellone@ucdavis.edu

Agenda / programme attached: yes please see below

Number of participants at meeting: approximately 50

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

The workshop was organized into three sessions. The first session included presentations detailing discoveries which had been made with existing technologies. These three talks were followed by our Key note presentation by Dr. Jamie MacLeod who discussed the efforts to improve structural and functional annotation of the horse genome. During the discussion that followed this keynote presentation, the community learned that a limited release of EquCab 3.0 will occur in late August so that equine genomics researchers can utilize this resource and provide feedback to Dr's Kalbfleisch and MacLeod.

The final session of the workshop included presentations and discussion for building and improving resources to enable further discoveries in the horse. During the panel discussion on functional annotation studies in the horse, the community considered the importance of having functional annotation resources and discussed how others could contribute to the planned initiatives. This deliberation was continued as part of the Havemeyer Workshop on Gene Expression and Annotation in the Horse that took place on Monday July 25th, 2016.

During the general business meeting election of new members to the Standing Committee took place. Matthew Binns, Bianca Haase, and Rebecca Bellone were at the end of their elected term. Bianca Haase was nominated for a second term (she agreed to serve again if she was nominated prior to the meeting). In addition, Carrie Finno and Doug Antczak were nominated to serve on the standing committee. All three (Drs. Haase, Finno, and Antczak) were unanimously elected to serve from 2016-2019 (it is a three-year term instead of the normal four-year term because of the switch in ISAG meeting years).

Committee members (the new committee)

Chair	term of service	E mail address:
Teruaki Tozaki	2014-2017	ttozaki@lrc.or.jp
Co-Chair		
Tomas Bergstrom	2014-2017*	tomas.bergstrom@slu.se
Other members	term of service	E mail address:
Doug Antczak	2016-2019	dfa1@cornell.edu
Carrie Finno	2016-2019	cjfinno@ucdavis.edu
Bianca Waud	2016-2019**	bianca.waud@sydney.edu.au

*Following the meeting the committee members (by e-mail vote) elected Tomas Berstrom as Co-Chair for the 2017 ISAG meeting and as Chairman for 2017-2019

**serving for a second term

Meeting program:

14:00	Rebecca Bellone	Welcoming Remarks
14:02	Tosso Leeb	An Intronic MBTPS2 Variant Results in a Splicing Defect in Horses with Brindle Coat Texture.
14:15	Sofia Mikko	A genome-wide association study of young horse test traits in Swedish Warmblood.
14:30	Terje Raudsepp	A comprehensive gene catalogue of the horse Y chromosome.
14:45	James MacLeod	Improving the structural and functional annotation of the equine reference genome.
15:15		Discussion on EquCab 3.0 led by J. N. MacLeod, & T. S. Kalbfleisch.
15:30		Coffee Break
16:00	Russell Fraser	Identification of novel genetic variants in the equine collagenen lectin genes through targeted, next generation re-sequencing.
16:15	Tomasz Zabek	Age-related methylation patterns of equine blood leukocytes.
16:30	Carrie Finno	Functional annotation of the equine genome.
16:45		Panel Discussion: C. J. Finno, J. L. Petersen, R. Bellone, and J. N. MacLeod.
17:15		Business Meeting