



ISAG . 2019

37th International Society for
Animal Genetics Conference

July 7 - 12, 2019 - Lleida, Spain

Horse Genetics and Genomics

Organised by a standing committee: YES

Meeting information

Date: Monday July 8

Time: 14.30-18.00

Number of participants: 60

Chair

Name: Tomas Bergström

Affiliation: Swedish University of Agricultural Sciences (SLU)

Contact email: tomas.bergstrom@slu.se

Agenda

| | | |
|-----------------|-----------------------|--|
| 14:30 | T. Raudsepp | The horse X chromosome: Old tricks, new insights |
| 14:45 | X. Liu | Whole-genome sequencing reveals the genetic mechanisms underlying the high altitude adaptation in Tibetan horses |
| 15.00 | D. Vélez- Irizarry | Upstream regulators of gene and protein expression influencing glycogen repletion in horses. |
| 15.15 | E. Giulotto | Neocentromere formation and karyotype evolution in equids |
| 15.30 | T. Zabek | Methylome sequencing of tissues and cell-lines of Polish Coldblood horses |
| 15.45 | K. de Silva | Identification of shared and species-specific k-mers in Equids and Caballines to characterize adaptive introgression events |
| 16.00- 16.30 | | Coffee/Tea break |
| 16.30 | X. Liu | An ancient mutation at TBX3 enhancer contributes to the small body size in Chinese ponies |

| | | |
|-------|--------------|---|
| 16.45 | T. Tozaki | Genetic diversity and relationships among native Japanese horse breeds and horses outside of Japan using genome-wide SNP data |
| 17.00 | C. Castañeda | Genomic studies of stallion fertility: Comparing fertility records with FKBP6 genotype and copy numbers of Y multi-copy genes |
| 17.15 | E. Bailey | Population structure analysis of the Persian horse breeds and their comparison to worldwide populations using genome-wide SNP genotypes. |
| 17.30 | | Business Meeting |

Summary of the meeting

Including votes, decisions taken and plans for future conferences

The workshop was very well attended with about 60 participants.

Three members of the standing committee, Doug Antczak, Carrie Finno and Bianca Waud were at the end of their elected term and two of the members, Tomas Bergström and Ted Kalbfleisch were elected at the last meeting to serve until 2021. At the business meeting Leslie Bickel and Tomasz Zabek were nominated and unanimously elected to serve for a four-year term (2019-2023). Tomas Bergström had served as the workgroup chair from 2017-2019 and Ted Kalbfleisch served as the co-chair for the same period. At the 2017 meeting, Ted Kalbfleisch was nominated chair unanimously elected to chair the standing committee from 2019-2021. Tomas Bergström was nominated and unanimously elected to co-chair from 2019-2021.

Committee chair (the new chair)

Chair: Ted Kalbfleisch

Term of service: 2019-2021

Affiliation: University of Kentucky

E-mail address: ted.kalbfleisch@uky.edu

Committee members (the new committee)



INTERNATIONAL SOCIETY FOR ANIMAL GENETICS

| Other members | Term of service | E mail address |
|-----------------|-----------------|--|
| Tomas Bergström | 2017-2021 | tomas.bergstrom@slu.se |
| Leslie Bickel | 2019-2023 | lbickel@ucdavis.edu |
| Tomasz Zabek | 2019-2023 | tomasz.zabek@iz.edu.pl |
| | | |