

Domestic Animal Sequencing and Annotation Workshop 2023

Overall, the workshop was very well attended and the invited speaker, Dr. Koren gave a spectacular presentation.

Chair - Brenda Murdoch

Co-chair was recommended by the local organizing committee.

2:00 PM OP83 - Invited Workshop Presentation: The human genome is finally complete, now what? S. Koren, National Human Genome Research Institute, National Institutes of Health, Bethesda, MD.

2:40 PM OP84 - ISAG Bursary Award: An organism-wide ATAC-Seq peak catalogue for the bovine and its use to identify regulatory variants. C. Yuan*¹, L. Tang¹, T. Lopdell², C. Oget-Ebrad¹, G. Costa Monteiro Moreira¹, J. L. Gualdron¹, Z. Cheng³, M. Salavati³, D. C. Wathes³, M. A. Crowe⁴, W. Coppieters¹, C. Charlier¹, T. Druet¹, M. Georges¹, H. Takeda¹, ¹ GIGA Institute, University of Liège, Liège, Belgium, ² Livestock Improvement Corporation, Hamilton, New Zealand, ³ Royal Veterinary College, Herts, UK, ⁴ School of Veterinary Medicine, University College Dublin, Dublin, Ireland.

3:00 PM OP85 - Development of genomic tools for American mink (*Neogale vison*). Y. Miar*, Dalhousie University, Truro, Nova Scotia, Canada.

3:15 PM OP86 - ISAG Bursary Award: Identification and comparison of plant-derived miRNAs based on massive public data. H. Liu*¹, P. Xu¹, Y. Liao¹, C. Li¹, J. Dou¹, Y. Wang¹, Z. Tang¹, J. Xu¹, D. Yin¹, S. Zhu¹, L. Yin^{1,2}, M. Yu¹, S. Zhao^{1,2}, X. Liu^{1,2}, Y. Fu^{1,2}, ¹ Key Laboratory of Agricultural Animal Genetics, Breeding and Reproduction, Ministry of Education, Huazhong Agricultural University, Wuhan, Hubei, China, ² Frontiers Science Center for Animal Breeding and Sustainable Production, Wuhan, Hubei, China.

3:30 PM Tea/Coffee Break, Exhibition and Poster Viewing.

4:00 PM OP87 - Overview of Ruminant T2T Consortium. B. M. Murdoch*¹, S. D. McKay², B. D. Rosen³, and T. P. L. Smith⁴, ¹ University of Idaho, Moscow, ID, ² University of Missouri, Columbia, MO, ³ USDA, Agricultural Research Service, Animal Genomics and Improvement Laboratory, Beltsville Agricultural Research Center, Beltsville, MD, ⁴ USDA, Agricultural Research Service, Genetics and Animal Breeding, Clay Center, NE. 33 Tuesday

4:20 PM OP88 - Discovering the missing structural variation in the bovine genome. A. Chamberlain*^{1,2}, T. Nguyen¹, J. Wang¹, and I. Macleod^{1,2}, ¹ Agriculture Victoria, Bundoora, Victoria, Australia, ² La Trobe University, Bundoora, Victoria, Australia.

4:40 PM OP89 - Discovery of deleterious genetic variants in farmed animals. X. R. Arias¹, J. L. Petersen², B. M. Murdoch³, F. M. McCarthy⁴, and T. S. Kalbfleisch*¹, ¹ University of Kentucky, Lexington, KY, ² University of Nebraska–Lincoln, Lincoln, NE, ³ University of Idaho, Moscow, ID, ⁴ University of Arizona, Tucson, AZ.

5:00 PM OP90 - Assessment of different enrichment methods to characterize bovine circRNAs. Y. Wang^{1,2}, J. Wang³, R. J. Gruninger⁴, T. A. McAllister⁴, and L. L. Guan*¹, ¹ Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, Alberta, Canada, ² Institute of Animal Genetics and Breeding, College of Animal Science and Technology, Sichuan Agricultural University, Chengdu, Sichuan, China, ³ State Key Laboratory for Conservation and Utilization of Subtropical Agro-

Bioresources, College of Animal Science and Technology, Guangxi University, Nanning, Guangxi, China, 4
Lethbridge Research and Development Centre, Agriculture and Agri-Food Canada, Lethbridge, Alberta,
Canada.

5:15 PM Business meeting.

During the business meeting there was a brief conversation about the willingness to work with another workshop, in order to reduce the number of concurrent workshops. This concept in general was well received but not voted for and further conversation was recommended. No election was conducted.