



Small Ruminant Genetics and Genomics

Organised by a Standing Committee:

YES

NO

Meeting information

Date: July 24, 2025

Time: 4:00pm

Number of participants: 45

Chair

Name: Michelle R. Mousel

Affiliation: USDA, Agricultural Research Service, Animal Disease Research Unit, Pullman, WA

Contact email: michelle.mousel@usda.gov

Co-Chair (optional)

Name: Rebecca Simon

Affiliation:

Contact email: r-simon1@web.de

Agenda

Small Ruminant Genetics and Genomics (orals)

Chair(s): **Michelle Mousel, USDA/ARS/ADRU, Pullman, WA United States**

Location: **Room 107**

Date & Time: **Thursday, July 24, 4:00 PM - 6:00 PM**

- 4:00 PM 94750 **GWAS analysis of Coccidiosis resistance in Portuguese Merino sheep.**
E. Varela Martínez^{*1}, A. Afonso^{2,3}, F. Teixeira^{4,5}, T. Nunes^{6,7}, P. Vieira⁸, I. Sarraguça^{6,7}, C. Martins², N Campbell^{2,4}, R. Cordeiro da Silva⁹, T. Perloiro⁹, L. Madeira de Carvalho^{6,7}, A.C. Ferreira^{2,8}, L. Telo da Gama^{6,7}, H. Waap^{2,6}, A.J. Amaral^{5,6}, ¹*Department of Genetics, Physical Anthropology and Animal Physiology, Faculty of Science and Technology, University of the Basque Country (UPV/EHU), Leioa, Biscay, Spain,* ²*Instituto Nacional de Investigação Agrária e Veterinária (INIAV), Oeiras, Lisbon District, Portugal,* ³*Global Health and Tropical Medicine (GHTM), Associate Laboratory in Translation and Innovation Towards Global Health, LA-REAL, Instituto de Higiene e Medicina Tropical (IHMT), Universidade NOVA de Lisboa (UNL), Lisbon, Lisbon District, Portugal,* ⁴*MED—Mediterranean Institute for Agriculture, Environment and Development and CHANGE – Global Change and Sustainability Institute, University of Évora, Évora, Évora District, Portugal,* ⁵*School of Science and Technology, University of Evora, Évora, Évora District, Portugal,* ⁶*CIISA - Centre for Interdisciplinary Research in Animal Health, Faculty of Veterinary Medicine, University of Lisbon, Lisbon, Lisbon District, Portugal,* ⁷*Associate Laboratory for Animal and Veterinary Sciences (AL4AnimalS), Lisbon, Lisbon District, Portugal,* ⁸*Faculdade de Medicina Veterinária, Universidade Lusófona de Humanidades e Tecnologias, Centro Universitário de Lisboa, Lisbon, Lisbon District, Portugal,* ⁹*Associação Nacional de Criadores de Ovinos de Raça Merina (ANCORME), Évora, Évora District, Portugal.*
- 4:20 PM 95364 **NO SHOW Rumen Microbiome Profiling of Indigenous Goats in North West and Limpopo for Optimal Health and Production.**
S Mani^{*}, *Agricultural Research Council - Animal Production, Irene, Gauteng, South Africa.*
- 4:34 PM 95451 **Genetic Diversity, Selection Signatures, and Genome-Wide Association Studies Identify Candidate Genes Related to Functional Longevity in Cyprus Chios Sheep.**
Theodoulakis Christofi^{*} and Georgia Hadjipavlou, *Agricultural Research Institute, Nicosia, Cyprus.*

4:48 PM	95395	WITHDRAWN Identification of genes related to fitness and robustness traits using CNVs in South African sheep breeds. T Rapudi ¹ , F Mudau ^{*1} , and AH Molotsi ^{1,2} , ¹ <i>Stellenbosch University, Stellenbosch, Western Cape, South Africa</i> , ² <i>University of South Africa, Johannesburg, Gauteng, South Africa</i> .
5:02 PM	95324	Landscape genomics reveal signatures of environmental adaptation in goats. Y Li ^{*1,2} , P Su ¹ , Y Gong ¹ , L Tang ² , Z Zhang ³ , Q Ren ¹ , Z Wang ^{1,4} , Y Pu ¹ , Y Ma ¹ , and L Jiang ¹ , ¹ <i>National Germplasm Center of Domestic Animal Resources, Institute of Animal Science, Chinese Academy of Agricultural Sciences (CAAS), Beijing, P. R. China</i> , ² <i>GIGA & Faculty of Veterinary Medicine, University of Liège, Liège, Belgium</i> , ³ <i>Wageningen University and Research, Animal Breeding and Genomics, WG Wageningen, The Netherlands</i> , ⁴ <i>College of Animal Science, Shanxi Agricultural University, Taigu, Shanxi, P. R. China</i> .
5:16 PM	94763	NO SHOW Spatio-temporal expression of the <i>KRT86</i> gene and the effect of its genetic variation on wool traits. Zhanzhao Chen [*] and Hongxian Sun, <i>Gansu Agricultural University, College of Animal Science and Technology, Lanzhou GANSU CHINA</i> .
5:30 PM	94892	Worldwide analysis of the variability of microRNA genes in domestic goats. E. Marmol Sanchez ¹ , P. Bardou ² , L. Colli ^{3,4} , C. VarGoats ² , M. Luigi-Sierra ⁵ , G. Tosser-Klopp ² , and M. Amills ^{*5,6} , ¹ <i>Center for Evolutionary Hologenomics, Copenhagen, Denmark</i> , ² <i>GenPhySE, Université de Toulouse, INRAE, ENVT, Castanet Tolosan, France</i> , ³ <i>Dipartimento di Scienze Animali, della Nutrizione e degli Alimenti, Univ. Cattolica del S. Cuore di Piacenza, Piacenza, Italy</i> , ⁴ <i>Centro di Ricerca sulla Biodiversità e sul DNA antico BioDNA, Univ. Cattolica del S. Cuore di Piacenza, Piacenza, Italy</i> , ⁵ <i>Centre for Research in Agricultural Genomics (CRAG), CSIC-IRTA-UAB-UB, Bellaterra, Spain</i> , ⁶ <i>Departament de Ciència Animal i dels Aliments, Universitat Autònoma de Barcelona, Bellaterra, Spain</i> .
5:44 PM		Standing Committee Meeting.

Summary of the meeting

This workshop included seven invited speakers presenting genetics and genomics research in small ruminants. Different species, research focus, and diverse geographical locations were invited to present. Androniki Psifidi and Kimberly Davenport graciously chaired the Small Ruminant Genetics and Genomics

session for Michelle Mousel. There were 45 people present for the workshop and due to 2 presenters failing to be present at the session, the question segment was allowed to be longer. Presentations were well received with the audience actively engaging speakers.

The business meeting was held at the end of the workshop. As all committee members were either at the 2 term limit or no longer ISAG members, elections were conducted. We wish to thank Rebecca Simon, Michelle Mousel, Aylin Dalkilic, Sadrine Geniez, Bengi Kul, Menghua Li, and Xiaoliang Wang for being part of this committee. The new committee voted in is Androniki Psifidi as Chair and Edwin Oyieng as Co-Chair and 5 new committee members with good global representation from Cyprus, Kenya, Netherlands, New Zealand, Portugal, United Kingdom, and United States. Following elections the business meeting was closed.

New Committee chair

Chair: Androniki Corinna Psifidi
Term of service (<i>add years of first and second term of service</i>): 2025-2029
Affiliation: The Royal Veterinary College, Hertfordshire, England
E-mail address: apsifidi@rvc.ac.uk

New Committee co-chair (optional)

Chair: Edwin Oyieng
Term of service (<i>add years of first and second term of service</i>): 2025-2029
Affiliation: International Livestock Research Institute, Nairobi, Kenya
E-mail address: e.oyieng@cgiar.org

Note: One term runs for two bi-annual conferences (i.e. four years)

New Committee members

Other committee members	First term of service (from year to year)	Second term of service (from year to year)	Email address
Rebecca Clarke	2025-2027	2027-2029	Rebecca.clarke@agresearch.co.nz
Andreia Amaral	2025-2027	2027-2029	andreia.fonseca@uevora.pt
Richard Crooijmans	2025-2027	2027-2029	richard.crooijmans@wur.nl
Theodoulakis Christofi	2025-2027	2027-2029	tchristofi@ari.mod.gov.cy
Kimberly Davenport	2025-2027	2027-2029	kimberly.davenport@wsu.edu

SIGNATURE



Chair

Duty laboratory (if applicable)