



## PROTOCOL

# Small Ruminant Genetics and Genomics

## Meeting information

- Date: Wednesday, July 5<sup>th</sup> 2023
- Time: 8:30 AM – 10:30 AM
- Number of participants: ~40 (venue “Nerina”)

## Chair

- Name: Rebecca Simon
- Affiliation: Department of Animal Breeding and Genetics, Justus Liebig University Giessen, Germany
- Contact email: [Rebecca.simon@agrار.uni-giessen.de](mailto:Rebecca.simon@agrار.uni-giessen.de)

## Agenda

- 8:25 AM – 8:30 AM Welcoming by chairperson and housekeeping announcements
- 8:30 AM – 8:45 AM OP134 “Gene expression profiling of the abomasum, duodenum, jejunum and ileum of resistant and susceptible Dohne Merino sheep naturally infected with *Haemonchus contortus*.” Presented by Ms. T.M. Ramantswana
- 8:45 AM – 9:00 AM OP135 “Identification of genetic regions associated with resistance to gastrointestinal nematodes in Comisana Sheep using a genome-wide association study based on EBV ranking.” Presented by Mr. F. Pilla (instead of M. Di Civita)
- 9:00 AM – 9:15 AM OP136 “Positional candidate genes involved in the response to heat stress in sheep.” Presented by Mr. M. Ramon
- 9:15 AM – 9:30 AM OP137 ISAG Bursary Award: “First look into the genetic architecture influencing liver copper concentration in Merinoland sheep.” Presented by Mr. O.O. Adeniyi (couldn’t come to South Africa due to visa issues, didn’t send a prerecorded presentation) → failed without compensation
- 9:30 AM – 9:45 AM OP138 “DNA-based vaccine design against *Toxoplasma gondii* in ovines using rhoptry protein antigens through immunoinformatics approach.” Presented by Ms. T. Madlala (chairpersons were informed on first day of the conference about inability to give the presentation at the designated time, provided a 5 min prerecorded presentation)
  - o Chair used the remaining time to inform audience about the election of the committee after the presentations.

- 9:45 AM – 10:00 AM OP139 “The benefit of genomic information for enhancing genetic prediction of production traits in South African Merino sheep.” Presented by Mr. C. Nel
- 10:00 AM – 10:15 AM OP140 “Goat milk oligosaccharide composition determined by genes with large effect.” Presented by Mr. R. Gonzales-Prendes
- 10:15 AM – 10:30 AM OP141 “Rumen microbial composition in sheep supplemented with *Acacia mearnsii* tannin extract for methane reduction. Presented by Ms. E. van Marle-Koster
- 10:30 AM – 10:45 AM OP142 “Modulation of innate immune memory and systemic effects of Gum Arabica in goats.” Presented by Ms. Worku
- 10:45 AM – 11:00 AM Election of new committee members → failed without compensation as no committee member but the chair Rebecca Simon was present.

### Summary of the meeting

All but two presentations (details in the agenda) were given as scheduled. The different topics, reflecting important topics in sheep and goat breeding, were nicely presented and good discussions were held with the audience.

As the goat and sheep comparison test was moved to the “Applied genetics and genomics in other species of economic importance” there was no need to discuss on CT issues.

Due to the fact that, besides of Rebecca Simon (chairing the session), none of the committee members was present, and none of the current members answered to Rebecca Simons pre-conference mail about the committee elections, no voting or decisions were made. But Mr. Manuel Ramon (CERSYRA-IRIAF, Valdepenas, Ciudad Real, Spain) has expressed interest in participating in the committee at Rebecca Simon – he will get in touch after the conference when he made his final decision.

For the reasons given above we were not able to vote an new chair (Menghua Li served his second term) and replace the two members from the committee that have served their second term already. Rebecca Simon (chair) who has taken over responsibilities for the session for ISAG conference 2023 in South Africa will not be available for re-election of the chair position. But she would like to stay in the committee for her second term.

## Committee chairs

Chairs: → both need to be replaced

- Rebecca Simon (Co)
- Meng-Hua Li

Term of service:

- RS: 2019 – 2023 (1<sup>st</sup>)
- MHL: 2019-2023 (2<sup>nd</sup>)

Affiliation:

- RS: Department of Animal Breeding and Genetics, Justus Liebig University Giessen, Germany
- MHL: Institute of Zoology, Chinese Academy of Sciences, Beijing, China

E-Mail address:

- RS: [Rebecca.Simon@agrار.uni-giessen.de](mailto:Rebecca.Simon@agrار.uni-giessen.de)
- MHL: [menghua.li@ioz.ac.cn](mailto:menghua.li@ioz.ac.cn)

Committee members → members in their second term of service need to be replaced

Other members	Term of service	E-Mail address
Bengi Cinar Kul	2019 – 2023 (2nd)	<a href="mailto:bkul@ankara.edu.tr">bkul@ankara.edu.tr</a>
Aylin Dalkilic	2019-2023 (1st)	<a href="mailto:aylin.dalkilic@labogena.fr">aylin.dalkilic@labogena.fr</a>
Sandrine Geniez	2019 – 2023 (1st)	<a href="mailto:genomique@aveyron-labo.fr">genomique@aveyron-labo.fr</a>
Michelle Moussel	2019 – 2023 (1st)	<a href="mailto:Michelle.Moussel@usda.gov">Michelle.Moussel@usda.gov</a>
Xialong Wang	2019 – 2023 (2nd)	<a href="mailto:xialongwang@nwsuaf.edu.cn">xialongwang@nwsuaf.edu.cn</a> (doesn't seem to be the valid address anymore)

## Comments and suggestions by chair Rebecca Simon

During the conference it was noticed that topics on sheep and goats were also presented in the ruminant session. Rebecca Simon proposes to combine the sessions for all ruminants and to give this a bigger timeslot at the next conference. In this way, the high (growing) number of parallel sessions could be countered. As it is getting more and more difficult to find volunteers to participate in the committees, a consolidation would also help here. Being the only member of the small ruminant genetics and genomics workshop present in Capetown Rebecca Simon was not able to discuss these issues with the other members – so it is still open to discussion.