

ON AGRICULTURAL GREENHOUSE GASES

Rumen Microbial Genomics Network

Summary of relevant activities, future priorities and capability needs.

Input to 2024 Livestock Research Group Meeting Berlin, Germany

Relevant activities



- Newsletters (3-4 times a year)
 - Covered topics: events, publications, labs, projects
 - 219 members
- 2024 RMG Webinar "Rumen Microbes: Back to the roots of culture"







Relevant activities



- 2024 RMG Webinar "Rumen Microbes: Back to the roots of culture" attracted ~ 90 participants for each session
 - In-depth discussions on the state-of-the-art techniques for culturing rumen microbes.
 - Expert insights on overcoming common cultivation hurdles.
 - Practical tips for wet lab techniques to explore the vast repertoire of the rumen microbiome.
- 2024 RMG Workshop "Implications of the Nagoya Protocol for researchers working with biological material from abroad"
 - By German Nagoya Protocol Hub
 - Scheduled for November 21st 2024 1h00-3h00 PM
 - This event will explain what researchers need to know to comply with the Nagoya Protocol and the EU
 ABS regulation. It will also cover checks that have started in Germany, what happens if you don't comply
 and tools and tips to use.
 - Q&A session

- Literature reviews
 - Early life microbial acquisition ⇔ health, performance & environmental footprint in adulthood (L. Guan, I. Tapio, J. Seifert, M. Popova)
 - Extending knowledge on rumen microbes: qualitative/quantitative evidence synthesis of genomic data from public repositories (metagenomes/MAGs); meta-analysis type review (Y. Cheng)
- 2025 In person Workshop
 - Focus on bioinformatics and/or SynComs
 - Keynote speaker: Hildebrand Lab https://www.falk.science/