

## Agenda

### 13th International Gut Microbiology Symposium Workshop: Gateway to Global Enteric Methane Reduction @Hilton TECA

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#### Summary:

Methane emissions from ruminants are a major contributor to greenhouse gasses and consequently to climate change. With recent advances in omics technologies, genetic engineering and high-throughput screening, we now have the tools to identify and develop efficient strategies to reduce enteric methane emissions, while also increasing animal productivity. While those strategies now seem to be available in the near future, issues like affordable and equal access still have to be addressed and should be considered as early as possible when developing these new technologies. A global reduction of enteric methane emission can only be achieved when every farmer has access, can apply and benefits directly from approaches that will be developed to this end.

During this workshop we will hear about and discuss current issues and potential solutions related to:

- 1) Global Policies
- 2) Equal Access and Affordability (with focus on Low & Middle-Income Countries)
- 3) Modeling of Greenhouse Gas Emissions
- 4) Nutrition-Based Interventions and &
- 5) Microbiome-based Technologies.

We hope to synthesize a roadmap for the next two years to bring us closer to the goal of developing globally applicable and affordable strategies to mitigate methane emissions from ruminant animals and the livestock industry.

# Programme

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## Agenda:

**Tuesday 13<sup>th</sup> June 2023**

**07:45 - 08:30 am: Registration**

**08:00 - 08:30 am: Tea and Coffee; 30 min**

**8:30 -10:30 am: Talks & Introduction; 2 hrs**

- Welcome & Intro (Matthias Hess; 10 min)
- Grantham Foundation (Marc von Keitz; 10 min); USA
- Global Methane Hub (Hayden Montgomery; 5 min)
- RMG/Gateway (Sharon Huws; 10 min) UK/RNI/ Queen's University Belfast:
- David Yañez-Ruiz (10 min) Europe/Spain/CSIC
- Sinead Waters (10 min) Europe/Ireland/ Teagasc
- Cesar Patino (15 min); Africa/ILRI
- Anil Kumar Puniya (15 min); Asia/India
- Charles Brooke (15 min); USA/California/CDFA
- Anne Mottet (15 min); Europe/International Fund for Agricultural Development(15min; remote)
- Matthias Hess (Quick intro of New Project; 5 min); USA/California/UC Davis

**10:30 - 10:50 am: Tea & Coffee Break; 20 min**

**10:50 am – 12:15pm: Roundtables - 2 groups** (Moderated by Sharon & Matthias);  
1 hr 25 min

- Q 1: Biggest challenges and how to overcome them and aim towards meeting local and global Net Zero goal
- Q2: Research Gaps
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**12:15pm - 1:30 pm: Working Lunch; 1 hr 15 min**

- Focus groups report back and preparation of summary (Moderated by Sharon & Matthias; 50 min)
- Next steps (Moderated by Sharon & Matthias; 20 min)
- Closing Remarks (Matthias; 5 min)