

Training course

Microbiome proxies for methane emissions and feed efficiency

Type of training: Web conference

Organizing center: SRUC (UK)

Target participants

Early career researchers and research technicians

Master or PhD students

Training objectives

After the training session, the trainee will be able to:

- Explain the use of community-based descriptions of the microbiome to describe variation in methane emissions or feed efficiency
- Explain the use of gene abundance-based descriptions of the rumen microbiome to describe variation in methane emissions and feed efficiency

Pre requisite skills

Graduate-level understanding of ruminant production systems and ruminant nutrition

Program

- Describing the rumen microbial community (16S sequencing)
- Sequencing and identifying functional groupings of rumen genes
- Recent research relating rumen microbial gene abundances to methane emissions and feed efficiency

Pedagogical approach: Lecture – additional reading material will be available

Duration: 1 hour

Trainer

Prof Rainer Roehe (SRUC)

Date of course or estimated period of course

October 23rd, 2019, 9 am to 10 am (GMT)

Deadline for registration: 9th October 2019

Ref MIP