

2018 Erle E. Bartley Ruminant Nutrition Lecture

The Rumen Microbiome and Metagenome as Targets for Improving Livestock Production and Health

Dr. John Wallace
Emeritus Professor,
Rowett Institute,
University of Aberdeen

Call Hall 205
Monday, October 1, 4:30 pm



Seminar abstract:

We now understand the rumen microbiome in ways that were never possible in the past, largely due to advances in DNA sequencing and associated bioinformatics. The current status of our knowledge of the rumen microbiome will be described, particularly in the context of ruminant nutrition and methane emissions. The metagenome – sequences and abundance of all genes present - brings information that tells us different things about the microbiome. Both microbiome and metagenome research indicate that certain members and functions of the microbiome are heritable and linked to feed efficiency and methane emissions.

Dr. Wallace will also give a seminar on:
The rumen: A microbiome important for nutrition, environment and health
Tuesday, October 2, 5:00 pm
105 Umberger Hall



For Dr. Wallace's biography and more information, please go to
www.asi.k-state.edu/news/BartleyLectureship.html

If you would like to schedule time to meet with Dr. Wallace,
please contact Caroline Ylioja (ylioja@ksu.edu)