



DID YOU KNOW...
there are microbes in the
cow's stomach that are not
found anywhere else on
earth?

**HAVE YOU EVER
WONDERED....**
how much do cows actually
contribute to greenhouse gas
production?

Come learn about this unique
ecosystem and host/microbe
relationship and how it affects
our environment!



THE RUMEN – A MICROBIOME IMPORTANT FOR NUTRITION, ENVIRONMENT AND HEALTH

105 Umberger Hall
Tuesday, October 2, 5:00 pm

Guest speaker: Dr. John Wallace
Rowett Institute, University of Aberdeen, Scotland

Dr. Wallace will also give a seminar on:
**The rumen microbiome and metagenome as targets for improving
livestock production and health**
Monday, October 1, 4:30 pm
Call Hall 205



See www.asi.k-state.edu/news/BartleyLectureship.html
for seminar abstracts and biography of Dr. Wallace