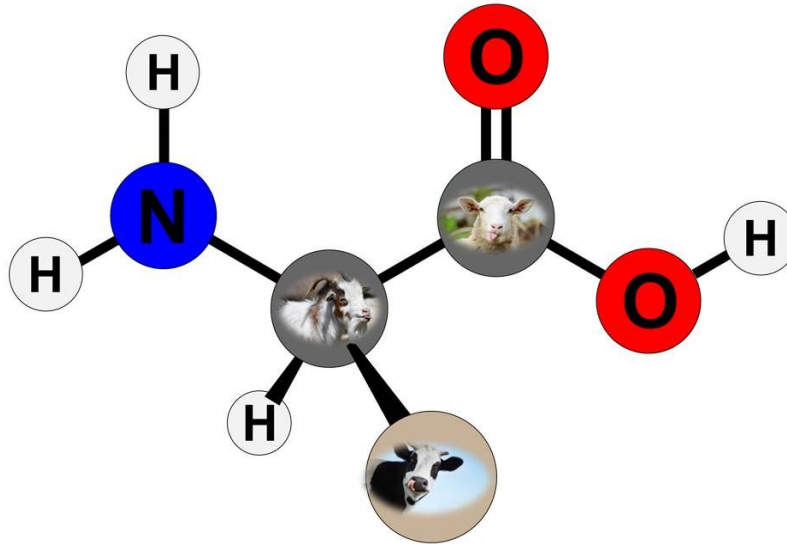




Corso di dottorato in Scienze Agrarie Curriculum in Scienze e Tecnologie Zootecniche



Ph.D. Seminars of the Visiting Professor

Mark Hanigan, Ph.D.

David R. and Margaret Lincicome Professor of Dairy Science
Virginia Tech, Blacksburg, USA

Amino acid absorption, metabolism and regulation in ruminants: from experiments to models

5.11.2020 giovedì ore 14.30-16.00 **Predicting N flow from the rumen: RUP, microbes, and recycled N:** meta analyses and animal modeling

12.11.2020 giovedì ore 14.30-16.00 **Assessing the true absorbed amino acid supply from a single ingredient in a mixed diet:** a stable-isotope based approach

19.11.2020 giovedì ore 14.30-16.00 **From absorbed amino acids to the mammary cell surface: blood distribution and PDV, liver, rumen, and other tissue use:** interpreting and integrating arterio-venous (A-V) difference data

24.11.2020 martedì ore 14.30-16.00 **Regulation of mammary amino acid transport:** A-V based observations and stable-isotope based measurements of transport rates.

26.11.2020 giovedì ore 14.30-16.00 **Regulation of milk protein synthesis and predicting milk production:** experimental work, cellular modeling, and meta analysis work

The course will be given live through Teams (code 8zf75ak). At the end of the presentations there will be time for questions

Anybody can enroll the course. People that need an attendance certification should pre-register, sending an email (specifying the name of their University or company) to prof. Antonello Cannas (cannas@uniss.it)