



WEBINAR INVITATION

Pushing the boundaries of metabolic flexibility to improve protein efficiency



**Thursday
August 27th**

Session 1

10:00 AM (CEST)

Session 2

11:00 AM (IST)

Session 3

11:00 AM (EST) / 8:00 AM (PST)

REGISTER →

Join our webinar to discover **how digestible amino acid profiles drive protein efficiency in dairy cows.**

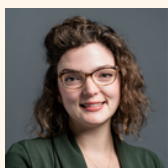
In this presentation we will explore how pushing the boundaries of metabolic flexibility can improve protein efficiency in dairy cows while supporting sustainability goals and reducing nitrogen losses to the environment.

Learn the latest insights on the remarkable flexibility of the mammary gland to adapt to varying amino acid supplies, and how different energy sources influence protein efficiency.

Explore why optimizing the profile of digestible amino acids improves milk protein, as well as practical approaches to optimize RUP supplementation and ration formulation.

This session is a Replay of the Wine&cheese talk held at ADSA Annual meeting in Milwaukee 22^d June 2026

Our speakers



Kelly Nichols, PhD
Assistant Professor
University of California,
Davis

Kelly Nichols is a ruminant nutritionist and Assistant Professor in the Department of Animal Science at the University of California, Davis. Her research program focuses on characterizing the digestive and metabolic flexibility of dairy cattle to elevate the understanding of dietary protein and energy interactions, mammary gland metabolism, and nutrient utilization to improve the transfer of dietary nutrients into milk.

Kelly's research career began at the University of Guelph in Canada where she completed her MSc focused on amino acid and energy metabolism in dairy cattle. She then moved to the Netherlands to carry out her PhD at Wageningen University on a project focused on reducing nitrogen losses in dairy cattle in collaboration with the Dutch feed industry.



Danielle Sherlock
Ruminant Innovation
& Customer Success
Manager, Adisseo

A Global Ruminant Innovation & Customer Support Manager at Adisseo, Dr. Danielle Sherlock received her B.S. and M.Sc. degrees in Animal Science from The Ohio State University, and her PhD in Animal Science from the University of Illinois at Urbana-Champaign prior to joining Adisseo.

Her doctoral research investigated the impact of methyl donors on immunometabolism during periods of stress in dairy cattle.

Danielle joined Adisseo in 2021 and is based in Madison, Wisconsin, USA, where she develops and manages research projects in Ruminant Nutrition and Health.



Lahlou Bahloul
Ruminant Innovation
& Customer Success
Manager, Adisseo

Dr. Lahlou Bahloul is a Senior Expert in Ruminant Research and Innovation at Adisseo, within the Global Ruminant Innovation and Customer Support team.

Trained as a Doctor of Veterinary Medicine, he holds a Master's degree in Science, Technology and Health from the National Veterinary School of Alfort, and a PhD in Life and Health Sciences from AgroParisTech and INRAE, where his doctoral research focused on splanchnic nutrient fluxes in ruminants to improve feeding system accuracy.

Lahlou joined Adisseo in 2015 and contributes to global research, innovation, and customer support programs in ruminant nutrition, health, amino acid balancing and sustainable performance.