

2021 Dairy Innovation Symposium
Thursday, Nov. 18: 8 a.m. – 4 p.m.
Varsity Hall, Union South, UW–Madison and livestream

Scan QR code for speaker bios and research summaries or visit:
dairyinnovationhub.wisc.edu/dairy-symposium



AGENDA:

9:00 a.m. | *Opening plenary* | Varsity Hall 3

Randy Jackson is a professor of agronomy at UW–Madison and collaborator on the NetZero Initiative. This new multi-state, multi-institution project is working to help cut greenhouse gas emissions in the U.S. dairy industry and is funded in part through a \$10 million grant from the Foundation for Food & Agriculture Research (FFAR).

10:00 a.m. – 3:00 p.m. | Ongoing poster session | Varsity Hall 3

10:00 – 11:50 a.m. | *Concurrent tracks*

Enriching human health and nutrition | Industry Room

- *“Suppressing intestinal inflammation with dairy ingredients”* – Yu Hasegawa, Department of Food Science, UW–Madison
- *“Predicting the mouth-feel sensations of ice cream”* – Bidhan Roy and Tom Zolper, mechanical and industrial engineering, UW–Platteville
- *“The genetic determinants of GI tract colonization by Listeria”* – Tu Anh Huynh, Department of Food Science, UW–Madison
- *“Opportunities to collaborate with CDR: academic departments, pilot plants and entrepreneurs”* – Tom Guerin and John Lucey, Center for Dairy Research

Stewarding land and water resources | Northwoods Room

- *“Virtual enclosures to enforce managed grazing”* – Hal Evensen, engineering physics and Cyrus Habibi, electrical engineering, UW–Platteville
- *“Efficacy of manure nutrient prediction and variable rate technology to improve nutrient use efficiency”* – Iris Feng, Department of Biological Systems Engineering, UW–Madison
- *“Water quality, nitrogen use efficiency, and soil health: the shovel-ready projects of the UW–Discovery Farms”* – Matt Ruark, Department of Soil Science, UW–Madison

12:00 p.m. | Lunch | Varsity Hall 3

Dairy Innovation Symposium Agenda *continued*

1:00 – 2:50 p.m. | *Concurrent tracks*

Ensuring animal health and welfare | *Industry Room*

- “*Harnessing the power of computer vision systems to improve animal health and welfare in transition dairy cows*” – Joao Dorea, Department of Animal and Dairy Sciences, UW-Madison
- “*Precision animal-monitoring technologies and animal welfare research outcomes*” – Jennifer Van Os, Department of Animal and Dairy Sciences, UW-Madison
- “*Using DHIA data to predict feed intake in lactating cows*” – Billy Brown, Department of Animal and Dairy Sciences, UW-Madison

Growing farm business and communities | *Northwoods Room*

- “*Student innovation competitions; benefits and opportunities*” – Heidi Zoerb, CALS external relations, UW-Madison (moderator and panelist); Chuck Nicholson, Department of Agricultural and Applied Economics, UW-Madison; Tera Montgomery, dairy and animal science, UW-Platteville
- “*Calf management practices, animal welfare and the social sustainability of the dairy industry*” – Albert Boaitey, Department of Agricultural Economics, UW-River Falls
- “*Changing agricultural land: understanding impacts on southern Wisconsin’s dairy farms and rural communities*” – Claudine Pied and Shan Sappleton, social sciences, UW-Platteville
- “*Costs and benefits of manure management regulations for environmental sustainability of dairy farms*” – Marin Skidmore, Nelson Institute for Environmental Studies, UW-Madison

3:00 p.m. | *Closing plenary* | *Varsity Hall 3*

Denise Ney is a professor of nutritional sciences at UW-Madison. Thanks to Ney’s research and development of dairy-derived supplements, patients with the rare genetic disorder phenylketonuria (PKU) now have more ways to meet their restrictive dietary needs. Her work with dairy is also helping a new population – postmenopausal women.

4:00 p.m. | *Closing comments and adjournment* | *Varsity Hall 3*

Heather White, faculty director, Dairy Innovation Hub