



OPIC Swine Research Day

8:30 Registration & Coffee — sponsored

9:00 Welcome — OPIC

Meeka Capozzalo, PhD (Chair)

9:10 – 10:25 Nutrition Session

Moderator: Meeka Capozzalo, PhD

Time	Speaker	Affiliation	Presentation
9:10 – 9:40	Lee-Anne Huber, PhD (Keynote)	Associate Professor, Dept. of Animal Biosciences, University of Guelph	<i>Let's Talk Sows: Nutrition Considerations for Fetuses and Milk Production</i>
9:40 – 9:55	Brenda Christensen, PhD	Trouw Nutrition North America	<i>Maternal and/or nursery yeast supplementation as a strategy to improve postweaning pig performance without pharmacological ZnO</i>
9:55 – 10:10	Jennifer Ellis, PhD	Associate Professor, Animal Systems Modelling, University of Guelph	<i>Use of Machine Learning to Optimize Production in the Modern Commercial Feed Mill</i>
10:10 – 10:25	Sarah Coates	Department of Animal Biosciences, University of Guelph	<i>Impact of complete replacement of soybean meal with further processed sunflowermeal in nursery pig feeding program</i>
10:25 – 10:40	Felix M Njeri	Department of Animal Biosciences, University of Guelph	<i>Nutritional and structural characteristics of Canadian full-fat soybean processed in commercial on-farm roasting and extrusion systems</i>

10:40 – 11:00 Morning Nutrition Break — coffee, sponsored

11:00 – 12:15 Genetics, Management, AI & Economics Session

Moderator: Chris Gwyn

Time	Speaker	Affiliation	Presentation
11:00- 11:30	Christine Bone	Post-Doctoral Fellow, Animal Biosciences, University of Guelph	<i>Targeted Treatments and a Novel Detection Test for Effective Boar Taint Control</i>
11:30 – 11:45	Con-Ning Yen	Assistant Professor, Dept. of Animal Biosciences, University of Guelph	<i>Energy Metabolism in Skeletal Muscle: Integrating Growth Efficiency with Meat Quality</i>
11:45 – 12:00	Harry Aricibasi	MSc Candidate, Animal Biosciences, U of Guelph; Business Manager, LiveStack (GVF Group)	<i>Using Computer Vision to Automatically Monitor Pig Behaviour and Body Weight</i>
12:00 – 12:15	Jihao You	Department of Animal Biosciences, University of Guelph	<i>A Large Language Model (LLM)-Based Framework for Predictive Model Maintenance in Feed Manufacturing: The PDI Agent Implementation</i>

12:15 – 1:45 Lunch Break — Networking Lunch & Poster Session (stations) — sponsored; Moderator: Maggie Henry, PhD

OPIC Swine Research Day

1:45 – 2:05 OSRC Update University of Guelph Swine Research Centre Facilities Walk-through Video

Time	Speaker	Affiliation	Presentation
1:45-2:05	Innes Wilson	Manager, Livestock Research Centres, University of Guelph	<i>Facilities Walk-through Video</i>

2:05 – 3:30 Health & Disease Session

Moderator: Conor Voth, DVM

Time	Speaker	Affiliation	Presentation
2:05 – 2:35	Anne Deckert (Keynote)	Assistant Professor, Dept. of Population Medicine, OVC	<i>Building Better Herds through Research</i>
2:35 – 2:50	Angie Bosman / Sarah Hill	Foodborne Disease & AMR Surveillance Division, PHAC (Veterinary Epidemiologist / Epidemiologist)	<i>CIPARS AMU/AMR Surveillance in Grower-Finisher Pigs</i>
2:50 – 3:00	Sarah Hill, PhD	Epidemiologist, Foodborne Disease & AMR Surveillance Division, PHAC	<i>Investigating Sow Parturition to Improve Productivity and Welfare</i>

3:00 – 3:20 Afternoon Break — coffee, sponsored

3:20 – 4:00 Panel Discussion — Getting Research into Practice

Moderator: Greg Page, PhD

Time	Speaker	Affiliation	Presentation
3:20 – 3:40	Leslie McKnight, PhD (Keynote)	Technical Sales Manager, DCL Nutrition & Animal Health	<i>Getting Research Into Practice</i>
3:40 – 4:00	Panel Q&A: Courtney Werth (Southwest Vets), Ryan Tenebergen (Demeter, Veterinarian), Elyse Clement, MSc (Wallenstein Feed and Supply Ltd.)	Panelists	<i>Open discussion & audience questions</i>