

44

*Celebrating
44 Years of “a World
of Information”*

**November 16-17, 2021
Saskatoon Inn and
Conference Centre
Saskatoon, SK**



saskatchewan
pork industry
symposium
2021

Welcome...

Thank you to our 2021 Sponsors

Premium

- Government of Saskatchewan - General Sponsor
- Hypor, a Hendrix Genetics Company - Lanyards & Namebadges
- Maple Leaf Foods - Pork for Banquet
- Olymel S.E.C./L.P. - Lunch Day 1
- Precision Ag Systems - Conference Portfolios
- Thunder Creek Pork - Lunch Day 2

Event

- Automated Production - Refreshment Break Day 1 AM
- Bio Agri Mix & Phibro Animal Health - General Session Day 2 Morning
- Fast Genetics - Breakfast Day 2
- H@ms Marketing Services - Breakfast Day 1
- K&J Services & Agri-Systems - Reception Cocktail
- PMT Inc.- Reception Hors d'oeuvres
- Polar Pork Farms - Refreshment Break Day 1 PM
- PIC North America - Speaker Sponsor - Day 1
- Topigs Norsvin Canada Inc. - Speaker Sponsor Day 1
- VIDO - Graduate Students Oral & Poster Presentations
- Western Ag Systems - Refreshment Break Day 2 AM

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- Zoetis (Exhibitor)

Media

- Farmscape Media Network
- Prairie Hog Country

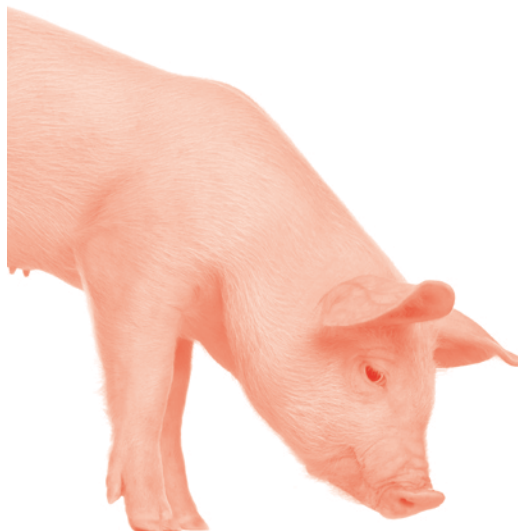
Celebrating 44 Years!



A World of Information

2021 SASKATCHEWAN PORK INDUSTRY SYMPOSIUM ADVISORY COMMITTEE

Darren Bates - Hypor
Jeff Bergermann - Olymel
Kevin Brooks - Olymel
Kim Browne - Sask Pork
Mark Ferguson - Sask Pork
Ken Friesen - Merck Animal Health
Shawn Halter - Sask Pork
Sarah Heppner - Fast Genetics
Ravneet Kaur - Sask Pork
Steffen Klenk - PIC
Brad Marceniuk - Ministry of Agriculture
Murray Pettitt - Prairie Swine Centre
Jessica Podhordeski - Sask Pork
John Sawatzky - Topigs
Wayne Sundby - Western Agri-Systems
Toby Tschetter - Star City Farms



Tuesday, November 16, 2021
MORNING GENERAL SESSIONS
(SASKATCHEWAN B)

Conference Portfolios - PRECISION AG SYSTEMS
Namebadge Lanyards Sponsor - HYPOR

- 7:15 a.m. **REGISTRATION** (Mezzanine)
- BREAKFAST** (Saskatchewan C)
Sponsored by H@MS MARKETING SERVICES
- 8:20 a.m. **Welcome to Symposium** (Saskatchewan A/B)
Mark Ferguson, Sask Pork
- 8:30 a.m. **Graduate Students Research Competition**
Dan Columbus, PhD
Prairie Swine Centre
Sponsored by VIDO-INTERVAC
- 9:15 a.m. **50 Shades of Beige**
Tina Varughese
tWorks, Calgary, AB
- 10:00 a.m. **REFRESHMENT BREAK** (Saskatchewan C)
Sponsored by AUTOMATED PRODUCTION
- 10:30 a.m. **Barn Ventilation: Troubleshooting & Maintenance**
Brett Ramirez, PhD
Iowa State University, Ames IA
- 11:15 a.m. **Gilt Management for a Lifetime of Success**
Chris Opschoor, B.Sc., M.Sc.
Topigs Norsvin, The Netherlands
Speaker Sponsor: TOPIGS NORSVIN
- 12:00 p.m. **LUNCH** (Saskatchewan C)
Sponsored by OLYMEL S.E.C./L.P.

AFTERNOON GENERAL SESSIONS
(SASKATCHEWAN A/B)

- 1:00 p.m. **Why Our On-Farm Programs Matter**
John Ross
Canadian Pork Council
- 1:45 p.m. **The Four Cornerstones of Wean-Finish Excellence**
Isaiah Spath, B.Sc.
PIC North America, Latimer, IA
Speaker Sponsor: PIC NORTH AMERICA
- 2:30 p.m. **30 Years of Practical Swine Research**
Murray Pettitt, PhD
Prairie Swine Centre, Saskatoon, SK

AFTERNOON GENERAL SESSIONS
(SASKATCHEWAN A/B)

3:15 p.m. **REFRESHMENT BREAK** (Saskatchewan C)
Sponsored by POLAR PORK FARMS

CONCURRENT SESSIONS

- 3:45 p.m. **Appropriate Enrichment for Sows and Growing Pigs**
Jennifer Brown, Ph.D., M.Sc., B.Sc.
Prairie Swine Centre, Saskatoon, SK
- Karen Mancera, Post Doctorate Fellow (Ethology)
Prairie Swine Centre
(Courtyard Room)
- 3:45 p.m. **Practical Ways of Identifying Sick or At-Risk Pigs**
Madonna Gemus-Benjamin, DVM, MS
Michigan State University, East Lansing, MI
(Canadian Room)
- 4:30 p.m. Afternoon Sessions Adjourn

EVENING PROGRAM & BANQUET
(SASKATCHEWAN A/B)

Cocktail - K&J SERVICES & AGRI-SYSTEMS
Hors D'oeuvres - PMT INC.
Pork for Dinner - MAPLE LEAF FOODS

- 5:00 p.m. **Reception (Mezzanine)**
- 6:00 p.m. Evening Program
Master of Ceremonies, Mark Ferguson
- 6:10 p.m. Greetings from the Government of Saskatchewan
- 6:30 p.m. Dinner Served (Ballroom A&B)
- 7:30 p.m. Prairie Swine Centre 30th Anniversary Special
- 8:00 p.m. Awards of Distinction Presentations
- Evening music provided by Mark Zielke**

Wednesday, November 17, 2021
MORNING GENERAL SESSIONS
(SASKATCHEWAN B)

General Sessions Sponsors
BIO AGRI MIX & PHIBRO ANIMAL HEALTH

- 7:30 a.m. REGISTRATION** (Mezzanine)
- BREAKFAST** (Saskatchewan C)
Sponsored by **FAST GENETICS**
- 8:20 a.m. Welcome** (Saskatchewan B) - Mark Ferguson
- 8:30 a.m. What's Happening in the Chinese Hog Industry?**
Arkin Wu, PhD
Pipestone Veterinary Services, China
- 9:15 a.m. Canada's Place in Global Pork Production: Economics and Trends**
Kevin Grier, M.A.(Econ)
Kevin Grier Market Analysis and Consulting Inc.
Guelph, ON
- 10:00 a.m. REFRESHMENT BREAK** (Saskatchewan C)
Sponsored by **WESTERN AG SYSTEMS**
- 10:30 a.m. Precision Livestock Farming: Merging Historical and Real-Time Information to Improve Efficiency, Health and Welfare**
Madonna Gemus-Benjamin, DVM, M.S.
Michigan State University, East Lansing, MI
- 11:15 a.m. Diets for Growing Pigs: Can We Reduce Feed Cost and the Carbon Footprint?**
Denise Beaulieu, PhD, M.Sc., B.S.A.
University of Saskatchewan, Saskatoon, SK
- 12:00 p.m. TAKE AWAY EXPRESS LUNCH**
(Saskatchewan C)
Sponsored by **THUNDER CREEK PORK**

Conference Adjourns

Presenting our
Symposium 2021
Speakers...



DENISE BEAULIEU, PhD, M.SC., B.S.A.
University of Saskatchewan
anb600@mail.usask.ca

Dr. Denise Beaulieu is an Assistant Professor of monogastric nutrition at the University of Saskatchewan. She conducts applied swine research focusing on nutrition, specifically the role of alternative feedstuffs to improve the economic and environmental sustainability of the swine and poultry industries.

She teaches classes in the department of Animal & Poultry Science at the graduate and undergraduate level.

Prior to joining the U of S, Dr. Beaulieu spent almost 15 years at the Prairie Swine Centre in Saskatoon. She maintains adjunct scientist status at the Prairie Swine Centre; utilizes these facilities for research trials, and actively participates in their knowledge transfer programs.



MADONNA GEMUS-BENJAMIN, DVM, M.S.
Iowa State University
gemus@msu.edu

Dr. Benjamin is an Associate Professor, Department of Large Animal Clinical Sciences, College of Veterinary Medicine at Michigan State University. Dr. Benjamin was president of her swine veterinary practice Veterinary Science Consulting in Alberta, and director of swine health with Verus Animal Health.

She joined Michigan State University in 2012. Research and extension interests include:

- “ Exploring precision livestock farming methods using computer vision to measure livestock locomotion and body conformation.
- Working with stockpersons to identify and treat compromised animals.
- Secure Pork Supply response planning and biosecurity with respect to disease transfer and Foreign Animal Disease.



DR. JENNIFER BROWN, PHD
Prairie Swine Centre
jennifer.brown@usask.ca

Jennifer completed her PhD at the University of Guelph in swine behaviour in 2009, and moved to Saskatchewan to work at the Prairie Swine Centre.

At PSC, her research focuses on pressing issues related to pig behaviour and welfare, such as management of sows in group housing, the use of pain control at castration, transportation of nursery and finisher pigs, and on-farm euthanasia methods.

In addition to her research, Jennifer enjoys teaching at the University of Saskatchewan where she is an Adjunct Professor in Animal and Poultry Science. She has also been active on numerous scientific committees, working with the Canadian Pork Council, National Farm Animal Care Council, National Pork Board (USA) and World Organization for Animal Health (OIE).

When not teaching or traveling, Jennifer and her husband Peter live with an assortment of pets, livestock and wildlife on an acreage near Hafford, SK.



KEVIN GRIER, M.A. (Econ)
Kevin Grier Market Analysis and Consulting
kevin@KevinGrier.com

Kevin Grier is a respected and connected livestock, meat and grocery market analyst. He has a solid understanding of the economic and industry issues from farm to retail.

The key point of difference is high level contacts throughout the industry and an exhaustive data base. Kevin Grier Market Analysis and Consulting is in the business of working with companies, producer groups, investors, and government leaders to make informed decisions that impact their bottom line.



KAREN MANCERA, Post Doctorate Fellow (Ethology)
Prairie Swine Centre
karen.mancera@usask.ca

Karen is originally from Mexico City and completed a bachelor's degree in Biology at the National Autonomous University of Mexico (UNAM), specialized in neurobiology and animal behavior. Afterwards, she completed a master's in science in Production Sciences and Animal Health at the Faculty of Veterinary Medicine in UNAM.

Karen continued her postgraduate studies at the University in Queensland, Australia, evaluating the effect of mining machinery noise on the welfare, physiology and behavior of wildlife. Back in Mexico, Karen joined UNAM as a postdoctoral researcher, studying how animal welfare can be used as an indicator of sustainability in silvopastoral systems and teaching animal welfare to undergraduate students.

Karen has joined the PSC as a Postdoctoral Fellow to investigate the effects of sow grouping practices on reproductive performance and piglet development.



CHRIS OPSCHOOR, B.SC., M.SC.
Topigs Norsvin (Netherlands)
chris.opschoor@topignorsvin.com

Chris Opschoor has worked in the pig industry for 21 years. He studied Animal Husbandry and graduated with a BSc in Swine husbandry and later obtained a Masters in Animal Breeding and Genetics from Wageningen University. He worked for 9 years as an Account Manager (Swine nutrition and farming) for Agruniek Rijnvallei.

In 2016 he joined Topigs Norsvin as a Specialist in Feeding & Genetics. He is currently responsible for the Topigs Norsvin International Feed Group where he develops advice for feeding and the management of all Topigs Norsvin products, and provides technical support for breeding farms, the feed industry, and other partners in the pig industry worldwide.

**MURRAY PETTITT, PhD**

Prairie Swine Centre, Saskatoon, SK
murray.pettitt@usask.ca

Murray received his BSA in 1986 and M.Sc. in animal reproduction in 1991 from the University of Manitoba. He completed his PhD at the University of Guelph in 1997. As a post-doctoral fellow at the Ontario Veterinary College, he helped develop practical embryo transfer techniques in swine.

In 1999, he joined the Prairie Swine Centre as Assistant Manager, External Research, then from 2003-2009 was responsible for leading the program and conducting proprietary contract research on behalf of companies and individuals in the swine industry.

He later joined the Department of Animal and Poultry Science at the U of S managing a research program that is investigating markers of sperm function to identify the fertility potential of boars and bulls.

He returned to Prairie Swine Centre as CEO on June 1, 2018.

**BRETT RAMIREZ, PhD**

Iowa State University
bramirez@iastate.edu

Dr. Ramirez's research and extension program encompasses swine and poultry production systems with a primary focus on: ventilation systems, natural resource and energy efficiency, animal energetics, environmental control, and precision livestock farming.

Through mentoring students on fundamental and applied research projects, his program further aims to generate practical solutions to current and emerging issues surrounding animal agriculture and its producers.

He received his BS and MS in Agricultural and Biological Engineering from the University of Illinois at Urbana-Champaign in 2012 and 2014, respectively. Brett then completed his PhD at Iowa State University in late 2017 and transitioned to his current position as an assistant professor in Agricultural and Biosystems Engineering.

**JOHN ROSS**

Canadian Pork Council
ross@cpc-ccp.com

John Ross has been the Canadian Pork Council's Executive Director since 2016. In his role he ensures the views of Canada's pork producers are effectively represented on national issues such as foreign trade and animal health. He is a member of the government-industry African Swine Fever Executive Management Board and has been a long-time advocate of implementing collaborative approaches to managing animal health challenges.

John has had a lifelong passion for livestock. He studied animal science at the University of Guelph (OAC 83). After graduation, he enjoyed a successful career at Agriculture and Agri-Food Canada. While at the Department he worked through a series of livestock and red meat related positions focusing largely on sectoral development issues.

**ISAIAH SPATH, PhD**

PIC North America
Isaiah.Spath@genusplc.com

Isaiah Spath is a Technical Service Specialist and Product Validation Specialist for PIC, joining the company in December 2014. Isaiah has been in the commercial swine industry since 2007, starting with internships with Iowa Select Farms and Murphy-Brown (Smithfield).

After receiving his Bachelor of Science degree in Agricultural Business from Iowa State University, Isaiah began to work for The Maschhoffs as a Field Advisor in wean-to-finish production, overseeing 60,000 contract finishing spaces from 2010-2013. Isaiah then spent 2013-2014 with Zoetis as a Husbandry Educator working within a system in Northwest Iowa, assisting producers with executing best management practices for starting weaned pigs.

Isaiah is currently involved with raising lambs at the family farm and supporting livestock youth development through 4-H and FFA and the Heartland Youth Show Lamb Circuit board.

Symposium 2021 Speakers



TINA VARUGHESE

tWorks, Calgary, AB
tina@tworksforyou.ca

Named one of Canada's Top 10 Notable Speakers by Ignite Magazine, Tina cleverly tackles hot button topics, like diversity and inclusion, in today's complex climate.

Tina's work has been featured in the Toronto Star, TSN, CBC Eyeopener, Adrenaline Magazine, and Alberta Venture. Clients include Pfizer Canada, Kraft-Heinz, Hockey Canada, Hyundai Canada, Canadian College of Health Leaders and Canada Life.

She is the President of the Canadian Association of Professional Speakers (Calgary). She was recently appointed to McMaster University's Future of Canada Project Council. She has a strong professional background in immigration where she spearheaded international recruitment missions. As well, she ran her own successful relocation and settlement firm prior to speaking professionally.

Tina has been the face of diversity, literally, when she was chosen to be in Dove's Campaign for Real Beauty representing beauty in diversity. With two kids, five fish and one husband, she resides in Calgary where she recently took hip hop classes but has opted to buy an oversized hoodie instead.

Premium Sponsors



Event Sponsors





A World of Information

QUESTIONS?

**Contact Symposium Coordinator
Sask Pork**

Tel: 306.244.7752

Fax: 306.244.1712

Email: info@saskpork.com

Website: www.saskpork.com



2021 PORK SYMPOSIUM REGISTRATION FORM

PERSONAL INFORMATION:

Name: _____ Company: _____

Mailing Address: _____

City: _____ Province: _____ Postal Code: _____

Phone: _____ Fax: _____ Email: _____

SYMPOSIUM REGISTRATION AND PAYMENT

	Quantity	Cost	Total
Full Two Day Program, November 16 and 17, 2021 <i>includes breakfast, lunch and one banquet ticket</i>		X \$225 =	
Day 1 Only - November 16 <i>includes breakfast, lunch and one banquet ticket</i>		X \$150 =	
Day 2 Only - November 17 <i>includes breakfast and lunch</i>		X \$95 =	
Student Registration (Full Two Day - \$150, Day 1 - \$95, Day 2 - \$65)		X \$___ =	
Additional Banquet Tickets <i>Cash Bar - 5:00 p.m.</i>		X \$50 =	

I will attend the banquet on November 16th Yes No

I would like a Take-Away Lunch on Wednesday November 17th Yes No

*Registrations received after **November 7, 2021** will be subject to a 25% late fee.*

Sub-Total _____

GST (5%) _____

LATE FEE (if applicable) _____

TOTAL _____

Payment must accompany registration. Return registration form and payment by **November 7** to **Sask Pork, 2-502 45th Street West, Saskatoon, SK S7L 6H2. Please make cheques payable to Sask Pork.** Registration forms with credit card payment may be faxed to 306-244-1712 or call (306) 343-3507.

Method of Payment: Cheque Visa MasterCard American Express
Cardholder Name: _____ Signature: _____

Card Number: _____ Expiry Date: _____ CVC Code: _____

ACCOMMODATION INFORMATION: Registration fees do not include accommodations. A block of rooms is reserved at the **Saskatoon Inn and Conference Centre, 2002 Airport Drive, Saskatoon, SK.** Please request the **Pork Symposium Group Rate of \$159 and \$169** plus taxes per night. Early booking is encouraged - Reservations must be made **before November 9.** Reservations Toll Free 1-800-667-8789 or book directly with the hotel at 306-242-1440.