

ANNUAL REPORT

2018
2019

INNOVATING
FOR A STRONGER
PORK SECTOR



Swine Innovation Porc



Swine Innovation Porc

**Swine Innovation Porc
increases Canadian swine
industry competitiveness
through a national R&D structure**

swineinnovationporc.ca

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and Development Cluster



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MESSAGE FROM THE CHAIR



The Canadian swine sector has experienced some highs and lows over the last year, with international trade and African swine fever at the top of mind for many in the industry. At Swine Innovation Porc, we are pleased to reflect on a very positive year with regards to advances in research and development to help the industry's success. In July 2018, we were delighted by the announcement made by Agriculture and Agri-Food Minister Laurence MacAulay to launch a third national swine research program: Swine Cluster 3: Innovating for a Stronger Pork Sector (2018-2023). This program represents an up to \$18.5 million investment by Agri-Food and Agriculture Canada and industry partners over a five-year period. We invite you to consult pages 8-21 of this report to learn more about the goals of the program as well as the research projects, which cover essential areas such as nutrition, health, welfare, pork quality and the environment.

As we move into Swine Cluster 3, results from our now-completed second national research program, Swine Cluster 2, have been demonstrating real impacts on the industry. For example, researchers from VIDO-Intervac showed that swine transport trailers should be heated to 75 degrees C for at least 15 minutes to inactivate the porcine epidemic diarrhea virus, a protocol that was adopted very quickly by industry partners. Also, the use of a bank of fan and misting sprinklers to help cool down pigs waiting to be unloaded from trailers, as studied by researchers at the Sherbrooke Research & Development Centre, has been employed by one processor plant in Ontario.

These are just a few concrete examples of research being put into use. I invite you to refer to page 16 of this report to learn more about other results having an impact on the industry.

While the Swine Cluster program is a crucial element of Swine Innovation Porc's activities, our Board of Directors have worked on a strategic plan for the next five years to ensure our organization is responding to the pork sector's needs. This strategic plan will be communicated to our partners over the coming months.

It is important to acknowledge the significant investments made by our industry partners in swine R&D and knowledge transfer. Eight provincial pork producer organizations have once again committed to invest 2.5 cents per market hog over the next five years in order to leverage industry funds to make research dollars go further. Also, we have seen the commitment of over 40 additional financial partners to contribute to Swine Cluster 3. Thank you all for your important and significant support. This high level of industry partnership reinforces Swine Innovation Porc's commitment to deliver an industry-led, balanced research portfolio that will address the sector's needs.

In addition to our industry partners, we want to thank once again the Minister of Agriculture for the government's investment in the cluster program. It is also important to highlight that none of our activities would be possible without the collaboration of the scientific community, who has consistently delivered world-class research all in the goal of enhancing the swine industry. Finally, I want to express gratitude for the management team and our Board of Directors, whose combined commitment and diligence have allowed Swine Innovation Porc to effectively deliver relevant and timely research programs.

Yours sincerely,

Stewart Cressman
Chair



MANAGEMENT REPORT 2018-2019



Over the past year, we have been working hard to implement our third national five-year R&D program, Swine Cluster 3, ensuring that projects were able to get underway as planned. We have also been working with our colleagues at Prairie Swine Center and Centre de développement du porc du Québec to create a national, dynamic and relevant on-farm demonstration and knowledge transfer program for the next few years. We look forward to launching this initiative in 2019-2020 and we will keep our partners updated on its progress.

In addition to getting Swine Cluster 3 off the ground, we have been actively seeking other ways to leverage industry funding to maximize total investments in research and development for the swine industry. In the fall of 2018, Swine Innovation Porc launched a call for proposals for swine health project ideas, which led to a submission for funding towards Agriculture and Agri-Food Canada's AgriScience-Projects program (at the time of writing, we are still waiting to see the results of this proposal). In addition, from January to March 2018 we worked with several partners in a very short timeframe to submit a proposal to the Strategic Innovation Fund (SIF). The proposal's main objective was to develop networks of organizations in order to develop tools to collect and generate data for the improvement of traceability, on-farm automation and ultimately farm-level decision making. While the SIF submission did not succeed in securing a new source of funding, we will continue to work with partners to seek out other programs.

As we continue to facilitate research and find new channels of funding, communication, collaboration and fostering relationships is always at the forefront for Swine Innovation Porc. Throughout 2018-2019, we hosted two meetings of representatives from Canadian swine research facilities and organized a meeting for the National Sow Housing Working Group. We also held a second swine health event focusing on African swine fever and antibiotic use, an event that ran in parallel with the Banff Pork Seminar. I invite you to read more about our efforts in communication and collaborating on page 22 of this report.

Looking to the future, we will continue to collaborate closely with the research community and industry partners, as well as forge new relationships with stakeholders who are new to our organization. It is with your support and collaboration that we are able to deliver timely and relevant research solutions to the Canadian swine sector. The dedication of our Board of Directors and support from our governmental partners are also crucial to our success and we sincerely thank you all for your involvement and commitment.

Abida Ouyed
General Manager

BOARD OF DIRECTORS

Front row, from left to right

Mike Teillet

Director
Manitoba Pork

René Roy

Vice-Chair
Les Éleveurs de porcs
du Québec

Stewart Cressman

Chair
Ontario Pork Sector

Neil Ketilson

Treasurer
Sask Pork

John Webb

Director
Pork Value Chain

Back row, from left to right

Raphaël Bertinotti

Director
Quebec Pork Sector

Arno Schober

Director
Ontario Pork

Andrew Van Kessel

Director
Chair of the Science
Advisory Body

Darcy Fitzgerald

Director
Alberta Pork

Tim Seeber

Director
Prince Edward Island Pork
& New Brunswick Pork

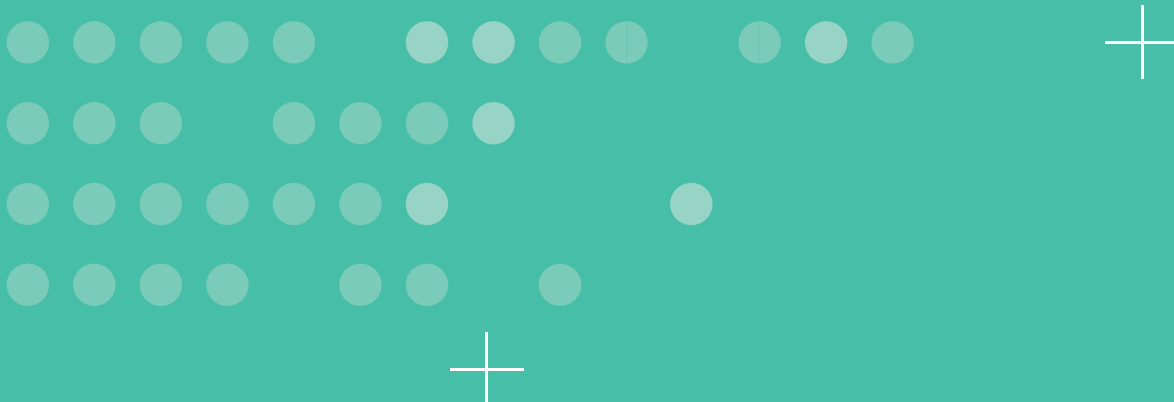
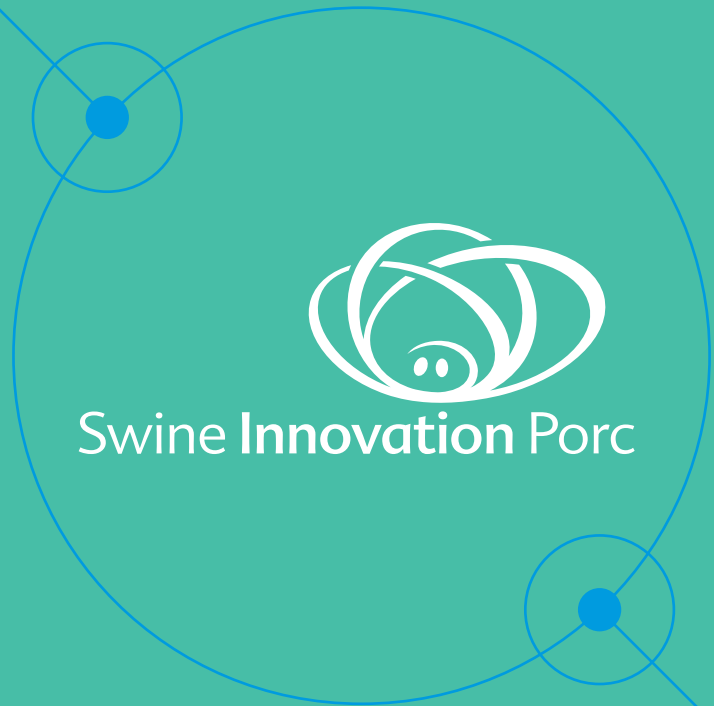


OUR VISION

Swine Innovation Porc increases Canadian swine industry competitiveness through a national R&D structure.

OUR MISSION

Swine Innovation Porc is committed to provide national leadership in coordinating and facilitating research, knowledge transfer and commercialization initiatives to enhance the competitiveness of the Canadian swine industry.





RESEARCH AND DEVELOPMENT

OVERVIEW OF SWINE CLUSTER 3

INNOVATING FOR A STRONGER PORK SECTOR

Swine Cluster 3 a five-year research program (2018-2023) that includes 14 R&D projects within five main areas:

- Animal health
- Animal nutrition
- Animal welfare
- Environment
- Pork quality

The program also includes a significant knowledge transfer component dedicated to communicating results to end users through on-farm demonstration and various communication activities.

Swine Cluster 3 is designed to:

- Accelerate the pace of innovation
- Drive sustainable growth
- Strengthen competitiveness and maximize the resilience of the swine sector

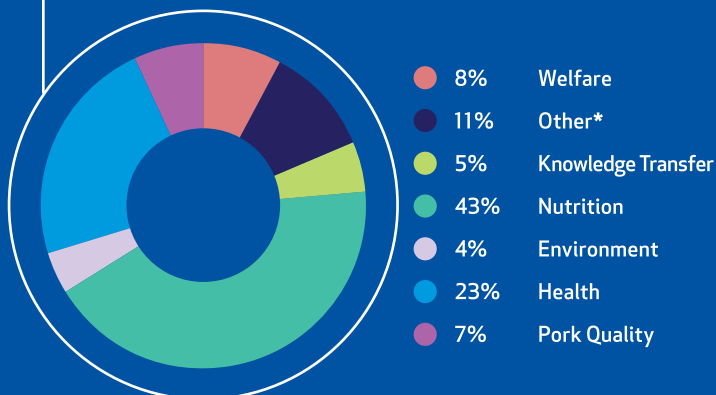
Total budget

\$18.5 M

\$12.7M Agriculture and Agri-Food Canada

\$5.8 M Producers and Industry

Allocation of Funding



* Includes coordination and fees related to managing the program

+ 80 researchers

14 projects

+ 50 financial partners

24
research organizations
across Canada
and around
the world

PROJECTS WITHIN SWINE CLUSTER 3

2018-2023

The projects listed here began over the course of 2018-2019. Project results will be communicated as they become available.

ANIMAL HEALTH

IMPROVED BIOSECURITY IN THE CANADIAN SWINE TRANSPORT INDUSTRY - PHASE 3

Led by Terry Fonstad, University of Saskatchewan

Objective

Develop methods to improve biosecurity within the Canadian swine transport industry.

IMPROVEMENT OF THERAPEUTIC AND PROPHYLACTIC MEASURES AGAINST PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRS) VIRUS THROUGH THE DISCOVERY OF ANTIVIRAL DRUGS AND THE USE OF ANTIMYCOTOXINS

Led by Carl Gagnon, University of Montreal

Objective

Improve the general health status of swine by acquiring new knowledge and subsequently improving the antimicrobial protection of pigs against PRRSV using any suitable means such as antiviral drugs development and improvement of PRRS vaccination efficacy.

PIG GUT MICROBIOME PROJECT – CHARACTERIZATION OF THE CORE GUT MICROBIOME ASSOCIATED WITH PIG HEALTH AND PERFORMANCE: TOWARDS FECAL DIAGNOSTICS AND MICROBIOME THERAPY

Led by Vahab Farzan, University of Guelph, Andrew Van Kessel, University of Saskatchewan and Ben Willing, University of Alberta

Objective

Determine the factors regulating microbial succession in the pig and to investigate whether core members of succession communities are associated with pig health status and production performance.

SURVIVABILITY AND INFECTIVITY OF PED VIRUS IN SOIL

Led by Peter Pelka and Mario Tenuta, University of Manitoba

Objective

Test the effects of different soil types, temperatures, and incubation period, representative of different environmental conditions across Canada, on PED virus survivability and infectivity in soil amended with the PEDv-positive manure in a laboratory setting.

ANIMAL NUTRITION

DEVELOPMENT OF NOVEL FEED ADDITIVES TO REPLACE ANTIBIOTICS AND PROMOTE PIG GUT HEALTH

Led by Joshua Gong, AAFC (Guelph)
and Chengbo Yang, University of Manitoba

Objective

Develop and determine the effectiveness of different types of novel antibiotic alternatives to improve pig performance and health when incorporated in the post-weaning diet.

TOWARDS A NEW FEEDING APPROACH OF NEONATAL AND WEANLING PIGLET FOR OPTIMIZING NUTRITIONAL STATUS, IMMUNITY AND MICROBIOTA AND MINIMIZING THE USE OF ANTIBIOTICS

Led by Frédéric Guay, Laval University
and Martin Lessard, AAFC (Sherbrooke)

Objective

Develop effective feeding strategies for neonatal and newly weaned piglets that improve pig robustness and well-being, minimize reliance on in-feed antibiotics, and maximize performance.

INNOVATIVE MICRONUTRIENT STRATEGIES FOR MAXIMIZING PIGLET'S ROBUSTNESS AND PERFORMANCE DURING THE PRE- AND POST-WEANING PERIODS

Led by Jérôme Lapointe, AAFC (Sherbrooke)

Objective

Develop innovative nutritional strategies for pre- and post- weaned piglets that optimize metabolic status and efficiency of copper, zinc, vitamin D and vitamin A, enhance health and robustness, improve environmental sustainability and maximize profits based on performance up to market weight.

DEVELOPMENT OF INNOVATIVE STRATEGIES TO REDUCE FEED COSTS IN THE POST-WEANING PERIOD WHILE MAINTAINING OPTIMAL PERFORMANCE AND HEALTH

Led by Dan Columbus, Prairie Swine Centre
and Martin Nyachoti, University of Manitoba

Objective

Develop effective feeding strategies for weaned pigs that maximize profits, reduce reliance on in-feed antibiotics, and improve pig robustness while maintaining animal performance.

REDUCING FEED COST AND THE ENVIRONMENTAL FOOTPRINT AND ENHANCING GLOBAL COMPETITIVENESS OF CANADIAN PORK PRODUCTION BY INCREASED NUTRIENT UTILIZATION OF FEEDSTUFFS FED TO GROWING-FINISHING PIGS

Led by Martin Nyachoti, University of Manitoba
and Ruurd Zijlstra, University of Alberta

Objective

- 1) Reduce feed costs, improve feed efficiency and optimize feed formulation by: Characterizing novel ingredients and alternative feed crops to expand the feedstuff matrix; Processing and using novel feed enzymes to increase nutrient availability and utilization.
- 2) Increase environmental sustainability by enhancing nutrient use of Canadian feedstuffs and thereby reduce the environmental footprint.

NEW FEEDING AND MANAGEMENT STRATEGIES FOR REPLACEMENT GILTS THAT WILL MAXIMIZE FUTURE MILK YIELD

Led by Chantal Farmer, AAFC (Sherbrooke)

Objective

Increase sow milk yield, hence growth and weaning weights of suckling piglets, via the development of novel feeding and management strategies for replacement gilts and lactating sows.

ANIMAL WELFARE

EFFECTS OF LONG DISTANCE TRANSPORT ON THE HEALTH AND WELFARE OF EARLY WEANED PIGS

Led by Jennifer Brown, Prairie Swine Centre

Objective

Produce objective and scientific information on the effects of commercial transport conditions on the health and welfare of early-weaned piglets.

OPTIMIZING SOW PRODUCTIVITY AND MANAGEMENT: IMPACT OF GROUPING PRACTICES ON SOW REPRODUCTIVE PERFORMANCE AND PIGLET DEVELOPMENT AND IDENTIFICATION OF RISK FACTORS FOR SOW MORTALITY

Led by Jennifer Brown, Prairie Swine Centre

Objective

Study some existing knowledge gaps related to the management of gestating sows related to sow productivity and longevity, and piglet vitality.

ENVIRONMENT

ADVANCING THE CANADIAN SWINE SECTOR THROUGH ENVIRONMENTAL FOOTPRINT ANALYSES

Led by Mario Tenuta, University of Manitoba

Objective

- 1) Establish current production efficiency and environmental footprint of pig farming in Canada.
- 2) Determine changes in production practices over the past 10-12 years.
- 3) Identify improvements in the environmental footprint of pig farming in Canada, through a comparison of current pig farming in Canada to an earlier period.

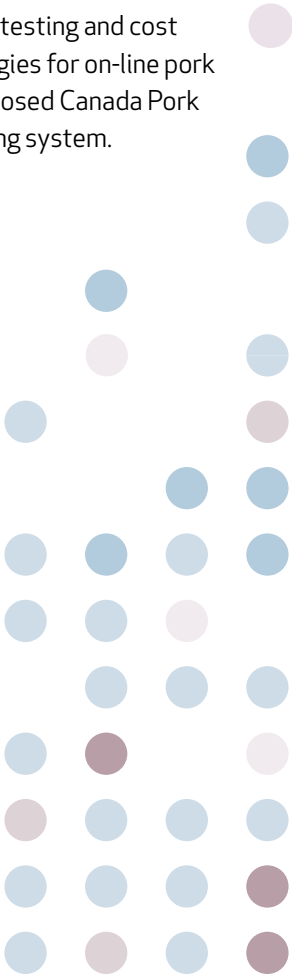
PORK QUALITY

CLASSIFYING CANADIAN PORK BASED ON QUALITY ATTRIBUTES

Led by Manuel Juarez, AAFC (Lacombe)

Objective

Generate research, commercial testing and cost estimates of different technologies for on-line pork classification based on the proposed Canada Pork International (CPI) quality grading system.





Source : University of Montreal

EVOLUTION OF THE SWINE CLUSTER PROGRAM FROM 2010 TO 2023

Since 2010, Swine Innovation Porc has facilitated and coordinated three national swine research and development programs, all in the goal in enhancing the competitiveness and sustainability of the Canadian swine sector.

**SINCE
2010...**

**\$50
MILLION
INVESTMENT**

**3
research
programs**

**49
projects**

**+100
researchers**

**+100
financial
partners**

2010-2013

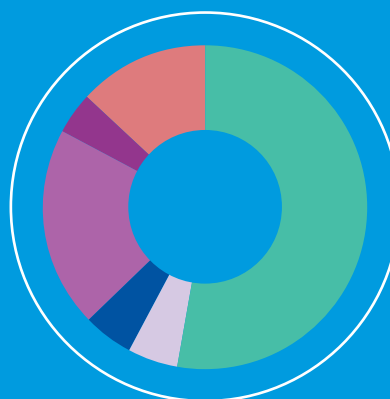
SWINE CLUSTER 1



\$11.7 million

\$10 million
AAFC and government

\$1.7 million
Industry



- 13% Welfare
- 53% Nutrition
- 5% Buildings
- 5% Health
- 20% Pork Quality
- 4% Technology

2013-2018

SWINE CLUSTER 2



\$19.8 million

\$14.8 million
AAFC

\$5 million
Industry



- 12% Welfare
- 39.75% Nutrition
- 0.25% Buildings and Equipment
- 20% Health
- 3% Pork Quality
- 25% Technology

2018-2023

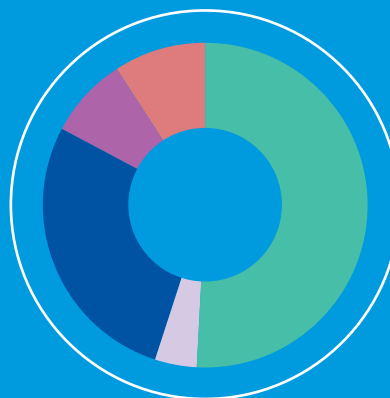
SWINE CLUSTER 3



\$18.5 million

\$12.7 million
AAFC

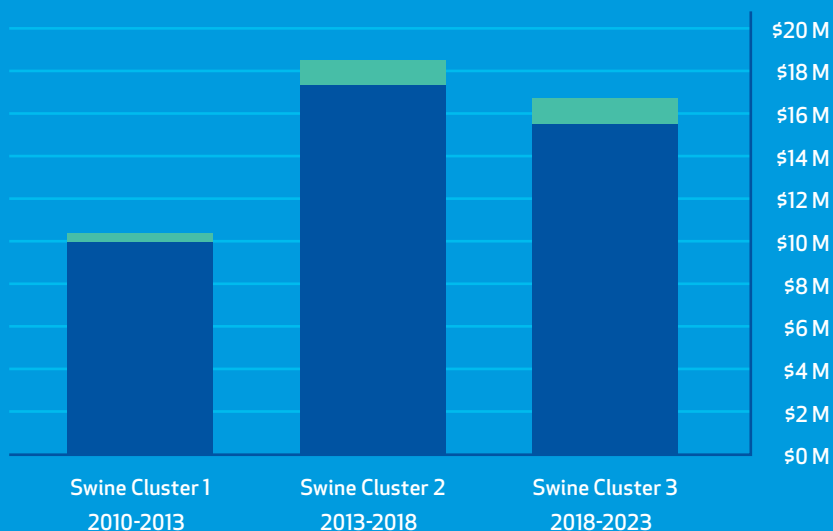
\$5.8 million
Industry



- 9% Welfare
- 51% Nutrition
- 4% Environment
- 28% Health
- 8% Pork Quality

- R&D
- Knowledge Transfer

ALLOCATION OF OVERALL PROGRAM BUDGETS FOR R&D AND KNOWLEDGE TRANSFER



UPDATES FROM COMPLETED PROJECTS

Highlights from a few recently completed projects showing great potential for the Canadian swine industry.

FAN VENTILATION AND WATER MISTING

**Led by Dr. Luigi Faucitano,
Agriculture and Agri-Food Canada**

The pig's lack of functional sweat glands prompted this research evaluating the impact of ventilation in warm conditions on pigs waiting to be unloaded at the slaughterhouse. The novel part of this study was adding water misting to the existing fan bank system. Compared to the control truck, there was a drop in temperature and humidity in the trailer receiving ventilation and misting, as well as a lower need to release excessive body heat and reduced dehydration condition at slaughter in the animals.

The adoption of the fan bank/mister system can help truckers not lose animals on trailers during the wait before unloading in the plant yard and save on fuel costs by not having to drive around and keep pigs cool.

LOW ENERGY FEED FOR GROWING-FINISHING PIGS

**Led by Dr. Eduardo Beltranena,
Alberta Agriculture and Rural Development**

Reducing feed costs is a constant goal of research, but this study went farther by examining feed energy level, an extra feeder, and crowding of growout hogs. It began by confirming that pigs on a low net energy regimen consumed more feed than those on the high NE regimen, without really changing growth rate.

Most significantly, it found no relationship between stocking density, an extra feeder and diet energy level. This means that even if you overcrowd your pigs or give them an extra feeder, you can feed low new energy diets and the pigs will do well.

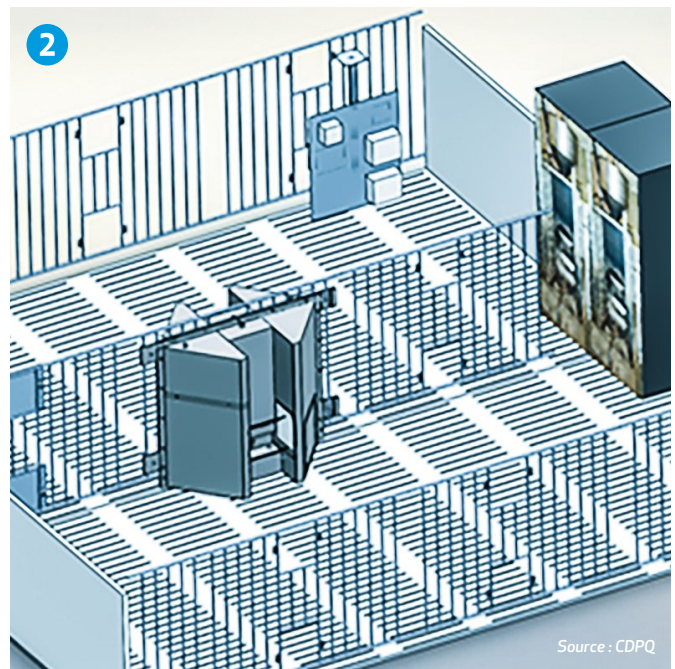
DEVELOPMENT OF A MULTIPLEX LUMINEX IMMUNOASSAY FOR THE PORCINE RESPIRATORY DISEASE COMPLEX

**Led by Dr. Yohannes Berhane,
Canadian Food Inspection Agency
and Dr. Andre Broes, Biovet Inc.**

Before you can fight pig diseases, you must detect them. Because current serologic testing can be costly, time-consuming and inefficient, detecting only one disease at a time, researchers sought a method allowing them to detect antibodies to several agents in a single assay. Their results were comparable to standard testing used today, but only required one test instead of four. If labs are able to adopt this approach, they can save time and money and pass those savings on to producers.

- 1 A row of fan banks currently in use by Conestoga Meats in Breslau, Ontario.





- 2 Water dispensers.
- 3 Using a spectrophotometer to assess the colour of lesions.
- 4 The Accutas on-farm testing instrument.

NOVEL TECHNOLOGIES AUTOMATED RECORDING OF INDIVIDUAL WATER USAGE

**Led by Frédéric Fortin and Patrick Gagnon,
CDPQ (Centre de développement du porc du Québec)**

Automation can go a long way to lowering costs, so this project looked at applying such technology in recording water consumption. One aspect is that smart drinkers improve pig management, while optimizing time and labour requirements, by automatically measuring the water intake of individual animals or barns. Researchers are also using water intake patterns at testing stations to explore links with traits of interest such as health status, growth performance and carcass quality. Through the use of water meters in their barns, producers can do everything from detecting disease to assessing their water usage and wastage in order to save costs.

NOVEL TECHNOLOGIES DETECTING AGE OF LESIONS

**Led by Dr. Luigi Faucitano,
Agriculture and Agri-Food Canada**

Pig lesions is a welfare issue, and severe carcass lesions can lower quality and value. This project addressed both by applying novel technology to determine the age of lesions by instrumental colour evaluation on plant carcasses. In determining the age of lesions, researchers can better assess when they happened, which is the first step to preventing them in the future. They found that the determination of age could separate lesions that occurred at the farm from those prior to slaughter, making it easier to address the problem and, in the process, protect carcass quality and animal welfare at the same time.

CARNOSINE IN PORK

**Led by Dr. Claude Gariépy and Dr. Marie-France Palin,
Agriculture and Agri-Food Canada**

With the growing interest in carnosine – a naturally occurring molecule in the body – scientists looked at whether increasing its quantity in pork could benefit both humans and pigs. They identified pig breeds with the highest carnosine levels and assessed the effects of those levels in improving meat colour and water holding capacity. Going forward, if researchers can genetically select for pigs with more carnosine in their muscles, they could boost pork quality and potentially develop a niche market, where carnosine would be promoted for its health attributes.

PEDV QUICK TEST

Led by David Alton, Aquila Diagnostic Systems

Porcine epidemic diarrhea virus (PEDv) can devastate a pig operation, so researchers sought an easier, faster and cheaper method of PEDv detection on farm. They found it in a sophisticated molecular diagnostic platform called the Accutas™, a toaster-sized instrument that has already been used successfully to detect a number of other porcine pathogens including PRRS and porcine circovirus. Work is now underway to adapt it for PEDv testing on-site at barns or veterinary offices. The ultimate goal is a tool that producers, government and vets can use to obtain rapid results in one or two hours and get a head start on combating PEDv wherever it appears.

BRACHYSPIRA TEST

Led by Dr. Joseph Rubin, University of Saskatchewan

With *Brachyspira*-associated disease re-emerging as a serious cause of pig death and financial losses, researchers are developing tools to help fight the disease. This project worked to develop standardized methods for tests to determine if antibiotics are effective against this type of bacteria. Researchers are now using these newly developed techniques to test *Brachyspira* isolated from samples submitted from sick pigs in the field. Thanks to this study, industry has laboratory evidence to support veterinarians in using the correct drug at the proper dosage from the outset. This should reduce disease mortality and the economic losses that result.

TRUCK WASH & BIOSECURITY

Led by Dr. Terry Fonstad, University of Saskatchewan

Disease transfer in the swine transportation sector is a real threat to biosecurity. As a result, the industry wanted to develop an automated trailer cleaning system for the insides of hog transport trailers. Phase 1 of this project revealed the potential to use dry heating at high temperatures (i.e. above 70 °C) to inactivate pathogens of concern. In phase 2, researchers examined effective and water efficient methods to remove organic material from trailers through a hydrovac system. They also examined and developed protocols for 'baking' trailers in heat bays, in order to find the optimal amount of time and level of heat to inactivate pathogens.

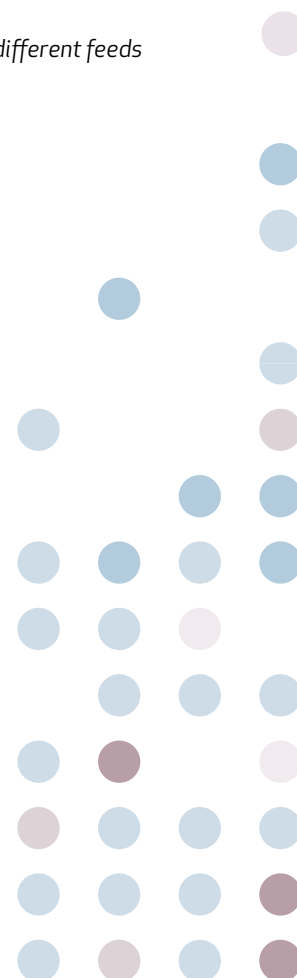
Phase 3 – currently underway – research centers on a number of goals including assisting the industry with refinement of trailer baking to inactivate pathogens, developing a manual for trailer design to aid “cleanability” and partially automating the hydrovac trailer cleaning system, with the eventual goal of full automation.

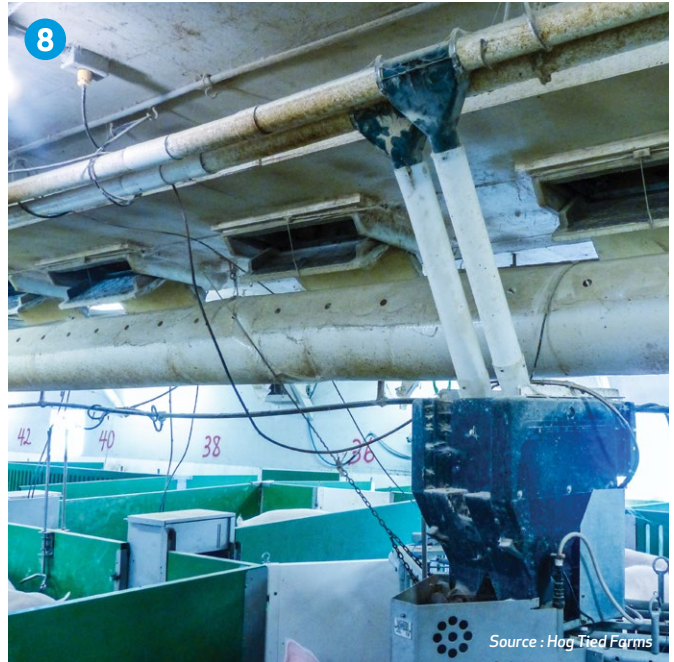
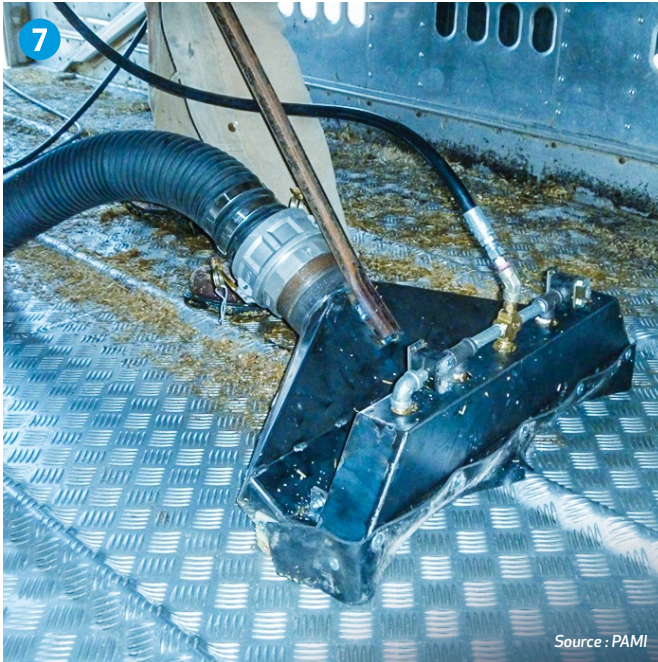
PHASE-FEEDING, PART OF THE ON-FARM DEMONSTRATION PROJECT

Led by Geneviève Berthiaume, Laetitia Cloutier, and Dr. Patrick Gagnon, CDPQ

This on-farm demonstration examined the use of parity-segregated phase feeding for group-housed sows, and its impact on feed costs. Typically, gestating sows are fed a single diet, where the nutritional composition is constant for the entire gestation period. Parity-segregated phase feeding involves the use of two diets to meet the needs of sows at different stages of gestation and parity. One on-farm demonstration carried out in Ontario in 2017 showed that phase feeding reduced feed costs by \$5.69/sow/year. These cost savings would vary according to the price of feed ingredients, but overall and over time producers should see continued cost savings.

- 5 Working on *Brachyspira* testing methods.
- 6 Trailer wash facility.
- 7 Pressure wash combined with vacuum.
- 8 Two feeding lines allow two different feeds to be used simultaneously.
- 9 Sows at feeding time.





COMMUNICATION & COLLABORATION 2018-2019

As projects within the Swine Cluster 3 program were getting underway, Swine Innovation Porc continued to communicate results and updates from previously supported research projects through various channels. In addition, we supported and participated in existing events as well as hosted our own. Read below for more details on our communication activities carried out over this past year.

POSTER SESSION AT THE 2018 PORC SHOW

In December 2018, we hosted our first annual poster session at the Porc Show, an industry event held annually in Quebec City. Seven posters from projects across the country were presented.

ENHANCING COLLABORATION

Networking meeting

Researchers and industry representatives who made up the National Sow Housing Working Group met in Banff in January 2019 to discuss what more was needed to assist producers making the transition to group sow housing.

Meeting of Swine Research Facility Representatives

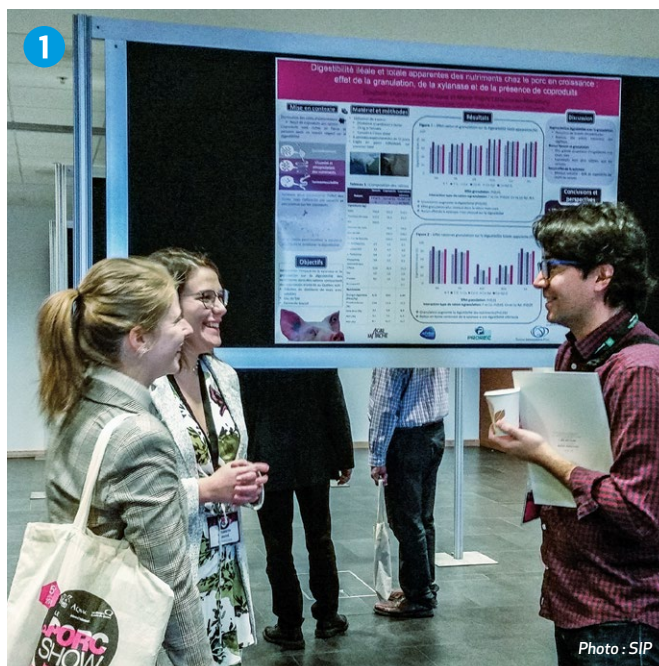
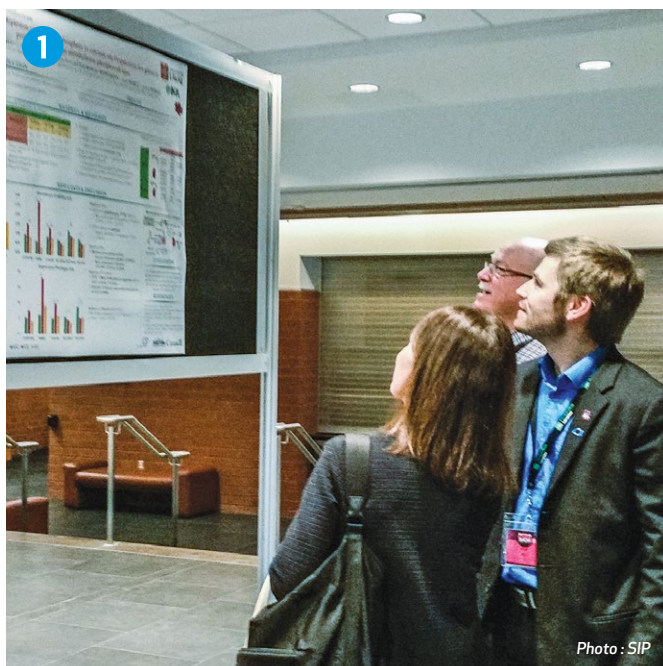
Swine Innovation Porc hosted two meetings in 2018-2019 for representatives from Canadian research facilities having live animals in their care. This initiative allowed representatives to meet for the first time to discuss challenges and share best practices. Due to the interest in this meeting, Swine Innovation Porc will host this kind of meeting on an annual basis.

SWINE HEALTH EVENT - AFRICAN SWINE FEVER & ANTIBIOTIC USE: WHAT YOU NEED TO KNOW

Swine Innovation Porc held its second annual swine health event in Banff in January 2019. The session hosted four industry experts who presented the latest and most relevant information on African swine fever and antibiotic use. Over 80 people were in attendance and we look forward to continuing to hold this kind of informative session in the future.

PARTNERSHIPS WITH MEDIA

In a concerted effort to ensure that communication materials reach producers and industry, a number of Swine Innovation Porc articles have been republished on websites such as swineweb.com, farms.com as well as in magazines like Better Pork, Canadian Hog Journal and Porc Quebec. We are pleased to work with the agriculture media community to get sector-driven results out to producers and other industry end users.



- 1 Swine Innovation Porc's poster session at the 2019 Porc Show.
- 2 Over 80 people attended the 2019 swine health event in Banff.
- 3 Guest speakers for health session:
(left to right) Greg Douglas, Karen Kirkwood,
Christian Klopfenstein, Egan Brockhoff.
Far right: Event moderator Stewart Cressman.



4 National Sow Housing Working Group, January 2019.

HIGHLIGHTS OF COMMUNICATION ACTIVITIES

2018 2019

26

featured articles
published by Swine
Innovation Porc
on project results
and updates

27

InfoInnovation
electronic
ebulletins
communicated

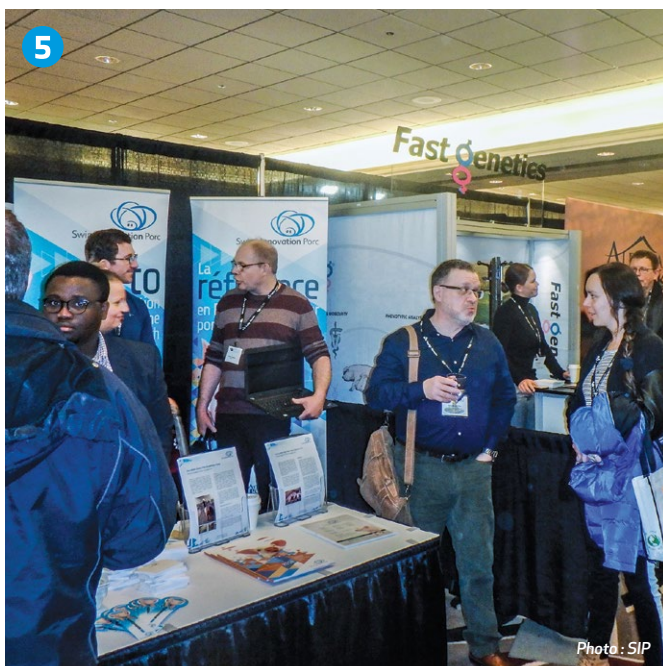
49

Farmscape Online
reports done on
research projects
and Swine
Innovation Porc
activities

+20

other media
reports and
articles
published on
Swine Cluster 2
research





5 Swine Innovation Porc at the Banff Pork Seminar.



6 Swine Innovation Porc was present for the Swine Cluster 3 funding announcement in Sherbrooke, Quebec in July 2018. Left to right: Abida Ouyed, Jean-Claude Poissant, Stewart Cressman, Hon. Lawrence MacAulay, Hon. Marie-Claude Bibeau, Normand Martineau, René Roy, Marie Vachon.

6

national events and conferences
where Swine Innovation Porc
was present:

- Banff Pork Seminar (Alberta)
- London Swine Conference (Ontario)
- Porc Show (Quebec)
- Red Deer Technology Workshop (Alberta)
- Group Sow Housing & Management Seminar (Ontario)
- Prairie Swine Centre Spring Producer Meetings (Saskatchewan & Alberta)

8

meetings where
Swine Innovation Porc
representatives
made presentations
and/or participated

SCIENCE ADVISORY BODY

The Science Advisory Body (SAB) is a committee that evaluates the scientific integrity of research proposals submitted to Swine Innovation Porc.

Members of the SAB are recognized professionals who are well-known in their fields and represent a diverse range of expertise within swine research. This committee reviews research proposals, offers scientific expertise, gives technical advice and ultimately provides the Board of Directors with their recommendations. The following individuals are the current members of the Science Advisory Body:

Andrew Van Kessel

*SAB Chair
Professor & Department Head
University of Saskatchewan*

Patrick Charagu

*Senior Geneticist
Hypor*

Neil Ferguson

*Swine Nutrition
Research Manager
Trouw Nutrition*

Sylvain Fournaise

*Sylvain Fournaise
Vice President - Food Safety
& Technical Services
Olymel*

Alain Giguère

*Acting RDT Director
Agriculture and Agri-food
Canada, Sherbrooke and
Quebec Research &
Development Centres*

Dan Hurnik

*Chair; Professor,
Swine Health Management
Atlantic Veterinary College,
University of PEI*

Nathalie Trottier

*Professor
Michigan State University*

MANAGEMENT TEAM

Abida Ouyed

General Manager

Marie Vachon

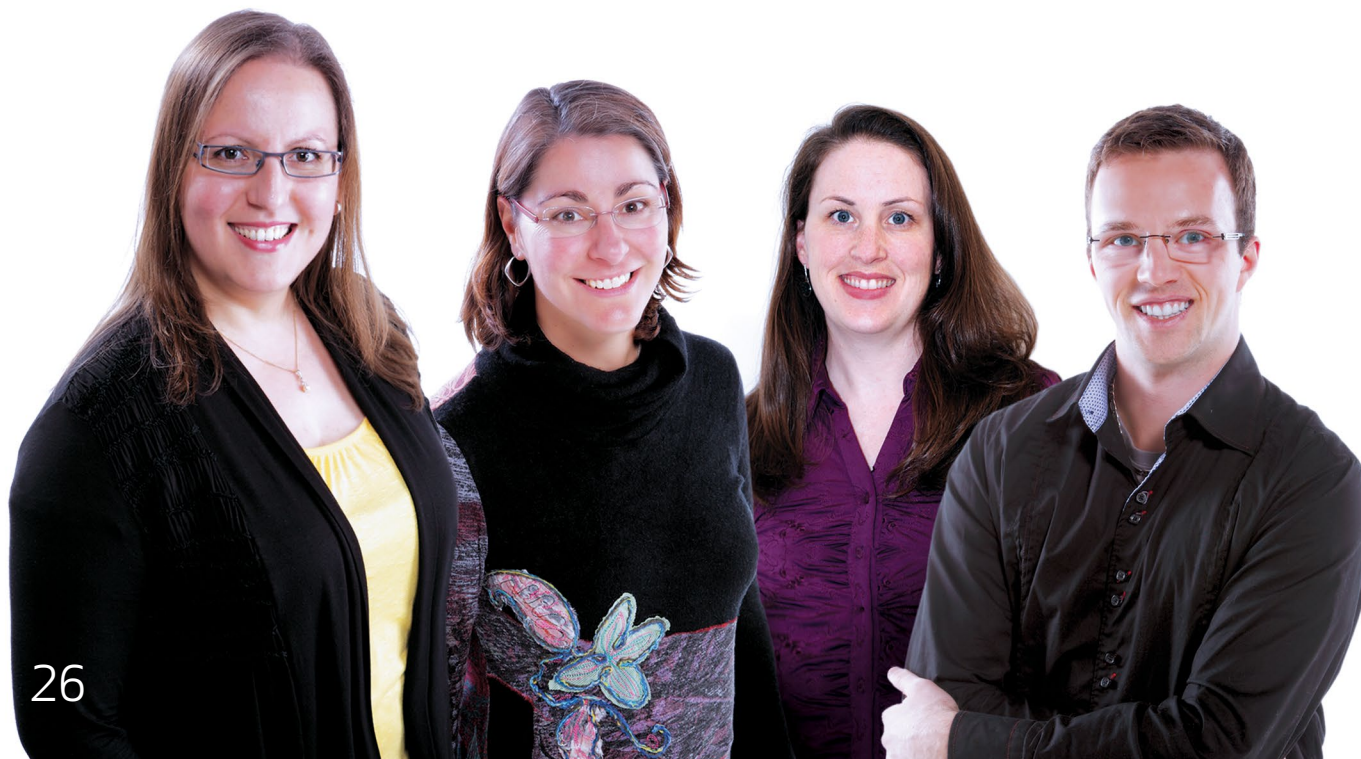
Research Coordinator

Leslie Walsh

Executive Assistant

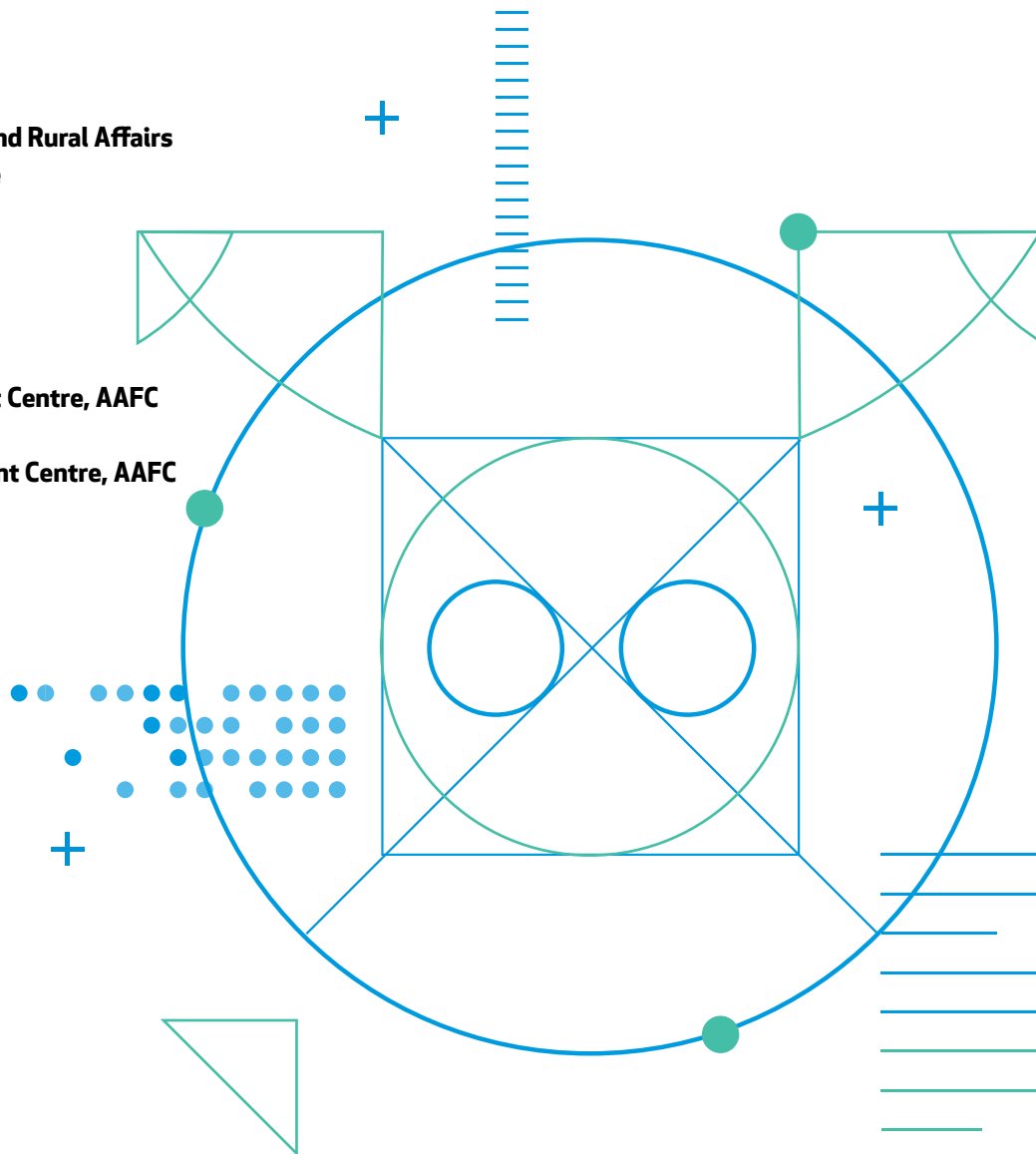
Pierre-Dominique Munger

Assistant Accountant



PARTNERS IN RESEARCH

Agassiz Research and Development Centre, AAFC
Blue Water Wash
Canada Pork International
Canadian Centre for Swine Improvement
Centre de développement du porc du Québec
Centre de recherche en sciences animales de Deschambault
CEVA Santé Animale
Guelph Research and Development Centre, AAFC
HyLife
Institut national de recherche scientifique
Lacombe Research and Development Centre, AAFC
Lallemand Health Solutions
Laval University
Lethbridge Research and Development Centre, AAFC
Luckhart Transport
McGill University
Nutreco
Olymel
Ontario Ministry of Agriculture, Food and Rural Affairs
Prairie Agricultural Machinery Institute
Prairie Swine Centre
Prairie Swine Health Services
Probiotech International
Semican
Shandong University
Sherbrooke Research and Development Centre, AAFC
Sollio Agriculture
St-Hyacinthe Research and Development Centre, AAFC
Transport Genie
University of Alberta
University of California
University of Guelph
University of Manitoba
University of Montreal
University of Saskatchewan
Utrecht University
VIDO-InterVac
Zinpro



FINANCIAL PARTNERS



Canadian Pork Council
Conseil canadien du porc



FINANCIAL PARTNERS



Canadian Centre for
Swine Improvement



PHARMACOSMOS



FINANCIAL PARTNERS

ORGANIZATIONS COLLABORATING IN CERTAIN PROJECTS

Agri-Marché
Avivagen
Blue Water Wash
Canada Pork International
Centre de recherche en infectiologie porcine et avicole - Scholarship
Centre de recherche en sciences animales de Deschambault
Greensnow Biological
HyLife
ICOR Technology
Illumina
Industrial Vacuum Equipment Corporation
Luckhart Transport
Prairie Agricultural Machinery Institute
Southwest Ontario Veterinary Services
Synergy Swine Inc.
University of Montreal - Diagnostic Services,
Faculty of Veterinary Medicine
University of Montreal - Scholarship
Western Swine Testing Association

