



Poultry Research Centre

1986-2020

A NEW BEGINNING

The Poultry Research Centre, founded in 1986, started when the Government of Alberta closed its poultry research operations. In response, Alberta Chicken Producers, Alberta Hatching Egg Producers, Egg Farmers of Alberta, Alberta Turkey Producers, Government of Alberta and University of Alberta came together to form the Poultry Research Centre (PRC). In subsequent years, other partners joined the PRC.

Similar to the pressures in 1986, recent changes in government and the research funding landscape have fueled a renewed commitment by local and national poultry organizations to work together and build on the strong foundation of the Poultry Research Centre, forging a way forward for poultry research. 2019 marked the final year for the Poultry Research Centre and hatched a new beginning...the Poultry Innovation Partnership (PIP).

This annual report is the final report for the Poultry Research Centre and an introduction to the Poultry Innovation Partnership!

visionary

change

collaboration

opportunity



POULTRY **INNOVATION** PARTNERSHIP

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PIP board members



*L to R - Back: Frank Robinson, University of Alberta, ex officio
Doug Korver, Education Lead, ex officio
Rob Renema, Alberta Chicken Producers, ex officio
Kerry Nadeau, Poultry Unity Manager, University of Alberta
Martin Zuidhof, PIP Principal Investigator, University of Alberta
Wes Johnson, Alberta Agriculture & Forestry*

*Front Row - Brenda Reimer, Technology Transfer Lead, Alberta Agriculture & Forestry, ex officio
Nancy Robinson, Alberta Hatching Egg Producers
Val Carney, PIP Lead, Alberta Agriculture & Forestry
Rachelle Davidson, Vice Chair, Maple Leaf
Cara Prout, Alberta Turkey Producers
Jenna Griffin, Egg Farmers of Alberta
Dawn Hage, Heritage Chicken Coordinator, University of Alberta
Not pictured: Jeff Notenbomer, Chair, Alberta Hatching Egg Producers
Christian Guenther, Alberta Chicken Producers*

Vision: Excellence in research and learning through partnerships with the entire chain to advance the development of value-added poultry products and production practices.

Mission: The Poultry Research Centre is a partnership of the poultry industry, Government of Alberta and University of Alberta to foster a healthy Canadian poultry enterprise. Excellence in research and innovation, knowledge management, technology transfer and mentoring tomorrow's poultry professionals are the Centre's hallmark.



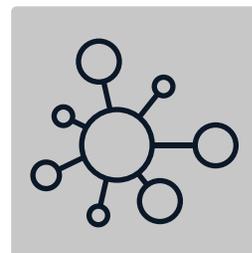
1. Develop structures, processes and working relationships that enhance the PRC's collaborative and inclusive culture and foster shared-ownership and responsibility of its partners and stakeholders.

3. Work collaboratively with PRC partners to develop an innovative educational program that attracts and prepares students to assume professional leadership in all facets of the poultry enterprise.



2. Develop a sound business model for the PRC that will diversify revenue sources, strategically maintain and enhance facilities, promote productivity and efficiency, and ensure the Centre's long-term financial security.

4. Enhance the PRC's capacity to enable and support its researchers to excel in innovative and significant poultry research and knowledge development.



5. Position the PRC as an important hub in a global network for poultry knowledge management and technology transfer that fosters continuous improvement of Canada's poultry enterprise.

6. Increase public awareness of and connection to the PRC – its mission, programs and accomplishments – and expand its position and reach as a knowledgeable and credible source for poultry-related information.



7. Conserve the diversity of Canada's poultry genetics through the PRC's Heritage Breeds Program in order to better understand and benchmark the impacts of genetic change.

Jeff Notenbomer, Poultry Innovation Partnership Chair



This past year has been a whirlwind for the Poultry Research Center. Change was the word for the PRC in 2020. This was the year that the PRC was to be reborn and rebranded as the Poultry Innovation Partnership or PIP. PIP was a collaborative effort to renew the PRC into a new strategic research organization, but the PIP wasn't the only change in store for us this year. All the efforts of the advisory board went

its Research Funding to the new RDAR (Results Driven Agriculture Research), there are challenges to overcome. With changes to our economy, to our way of life and our interaction with the Covid-19 pandemic, we had to be innovative and bold in overcoming the challenges. And through all these challenges I am happy to report that the Poultry Innovation Partnership has been signed by all its partners and most recently, by

feather industries in Alberta. PIP brings all these groups together at one table. From marketing boards to poultry processors, hatcheries to

“Together we are stronger, together we are smarter, together we are more efficient.”

POULTRY INNOVATION PARTNERSHIP

into getting the PIP agreement developed and signed by each of the partners. With changes to the provincial government and all the cutbacks

“Change was the word for the PRC in 2020.”

and budget decreases, we ran into issues and delays. With changes to our agreement with the University of Alberta and how it handles our funds, we ran into challenges. With changes to how the Government of Alberta has changed

the Government of Alberta. This gives PIP 4 years of stability to accomplish its strategic goals (left panel)

Do I believe that PIP should be the model for all agri-industries to follow for research? Yes, I do believe. Here is why. Farmer led research by itself is not enough to meet the research needs of the feather industries in Alberta. Academia led research by itself is not enough to meet the research needs of the feather industries in Alberta. Industry led research by itself is not enough to meet the research needs of the

retail. PIP brings the combined needs of all the people working in and together with the poultry farmers of Alberta. Together we are stronger, together we are smarter, together we are more efficient. Together we have the knowledge we need to make Alberta a world leader in poultry research. Together we give our famers the tools they need to succeed.

strategic highlights

Over **\$10 Million** of support provides stability and continuity of research, technology transfer and training of tomorrow's poultry professionals for 5 years.



12 highly engaged partners develop collaboration agreement to accomplish 7 strategic goals



136 Books, patents, research papers published by 8 researchers



23 students got hands-on poultry experience in 3 day mini-internships



6 major events reached more than 600 people

1 new website...in the next 6 months



500+ supporters helped preserve 10 heritage breeds



Valerie Carney, Poultry Innovation Partnership Lead

When I think about the history of the Poultry Research Centre and the future of the Poultry Innovation Partnership this proverb really resonates. Over 33 years, the PRC membership grew and together they have delivered excellent research, accessible information for farmers and have trained many poultry personnel working in and serving the poultry industry. Where we are today, started in 1986 with the exceptional

“If you want to go fast go alone, if you want to far go together.”
- African proverb

leadership of Dr. Frank Robinson who, together with the Alberta poultry marketing agencies built a foundational community of support for poultry research. Change is part of the human condition and necessary for progress. The amount of change over the last little while is enough to make your head spin! Through all the changes associated with the Covid-19 pandemic the mantra “We’re in this together” has strengthened the resolve of communities to pull together, support each other and sacrifice for the common good.

When change sweeps in, connection and vision pull a group together. At a recent PIP board meeting (prior to the pandemic) we asked each partner to describe PIP in one word. You can see these words in the rooster graphic below. Change was the most common word used. Look closely and you will also see the word worried. Though rapid and much change can create worry; unity and engagement are the antidotes. The PIP partners have become a connected and engaged team with a vision for a future of opportunities.

As we start a new chapter with PIP, I want to acknowledge the dedication and leadership of a couple of individuals. Many thanks and much appreciation to Wes Johnson for his steady and wise leadership that helped to navigate the PIP Agreement through the changing ranks and policies of Alberta Agriculture and Forestry. If you were to look up the term “Farmer Led Research” I believe you might find a picture of the PIP chair, Jeff Notenbomer. Jeff is a busy hatching egg producer who demonstrates his leadership and commitment to poultry research in so many ways. He is also the Chair of the Alberta Hatching Egg Producers and the Chair of the Canadian Poultry Research Council.

Thank you Jeff for your leadership and advocacy for PIP.

In keeping with the theme of change, this annual report has a very different look from its PRC predecessors and is a summary and highlights of the PIP progress toward its strategic goals. Going forward, PIP will have more influence in setting research direction. To inform this process, a special research showcase will highlight PIP research. Thank you to Brenda Reimer for her hard work and creative skills in helping us to develop a new look!





The Alberta Hatching Egg Producers (AHEP) are excited to work within the Poultry Innovative Partnership (PIP) and the opportunity the agreement provides to address the specific needs of all poultry commodities. By providing input and influence over research, AHEP is optimistic that their specific production challenges will be addressed to support the long-term sustainability of hatching egg production in Alberta. Through collaboration with world class researchers and associated industry partners, AHEP is confident that research outcomes will be transferred into solutions that producers can implement at the farm level.

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Alberta Hatching Egg
Producers

OVER
\$1 MILLION
RESEARCH FUNDS

Dr. Martin Zuihdof, PIP Principal Investigator



It has been a very unusual and challenging year for the PRC. The provincial election had a large impact on our ability to move things forward with the new Poultry Innovation Partnership (PIP) agreement. In fact, with changes resulting from restructuring under the new government, we will need to move forward without the sage input of Wes Johnson. On behalf of all our partners, I want to thank Wes for his leadership and unwavering commitment to fostering a healthy Canadian poultry enterprise. Wes, your special blend of wisdom, vision, patience, tact and humor will be missed around the board table. We wish you all the best in your life's next chapter.

With respect to the new PIP agreement, I appreciate all the patience, understanding and cooperation all of our PIP Partners have shown and your continued support through the Poultry Research Centre in what should have been year 1 of the PIP. It has been challenging to put our collective leveraging vision into legal terms, navigating 11th hour changes to accommodate unexpected overhead charges, and uncertainty about government participation and support. Our partners supported the ongoing research team by supporting an extension of the PRC agreement, and your enthusiastic cooperation is very much appreciated. Together, Dr. Carney and I continue our work with the University

administration to modify the start date and budget of the PIP agreement, which I hope will be done very soon! We press on.

"The PRC (and soon the PIP) partners are in a good place."

We have had tremendous leadership from our board chairs over the years, and this year it came from Jeff Notenbomer. Many thanks to you, Jeff. You were an ambassador and worthy champion for the PRC and the PIP through difficult negotiations with the University on overhead, and with the government communicating how the PIP is truly a model of farmer-led research. Great leadership.

In March, Covid-19 really changed the way the world works together. Research is grinding down to a halt to ensure social distancing. We have just finished a challenging transition to remote delivery of teaching and student assessment. The University budget has taken a hit, and our vision and your guidance toward a well-resourced Poultry Unit is more important than ever to ensure that we can continue to conduct world-class poultry research. Innovation ahead.

I have been in contact with several of our industry partners who have inspired me with stories that convince me of your preparedness and your resilience. Producing food for the world in this difficult time is nothing short of heroic, and the efforts and sacrifices many of you are making is inspiring. I am confident that our partners will come out the other side of this pandemic as well as can be expected because of solid science-based decision making. Science doesn't provide all the answers, but it is the best guide we have.

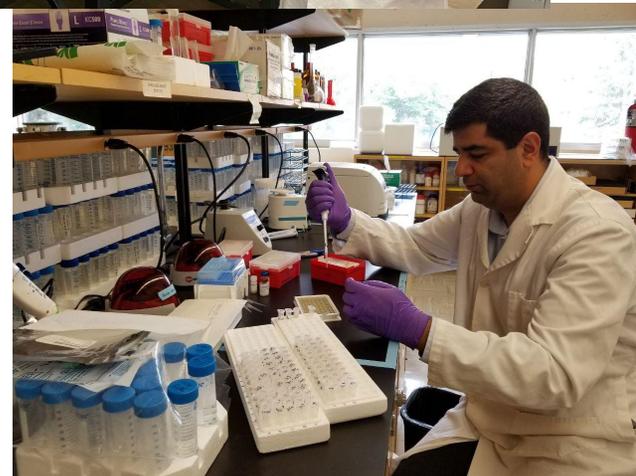
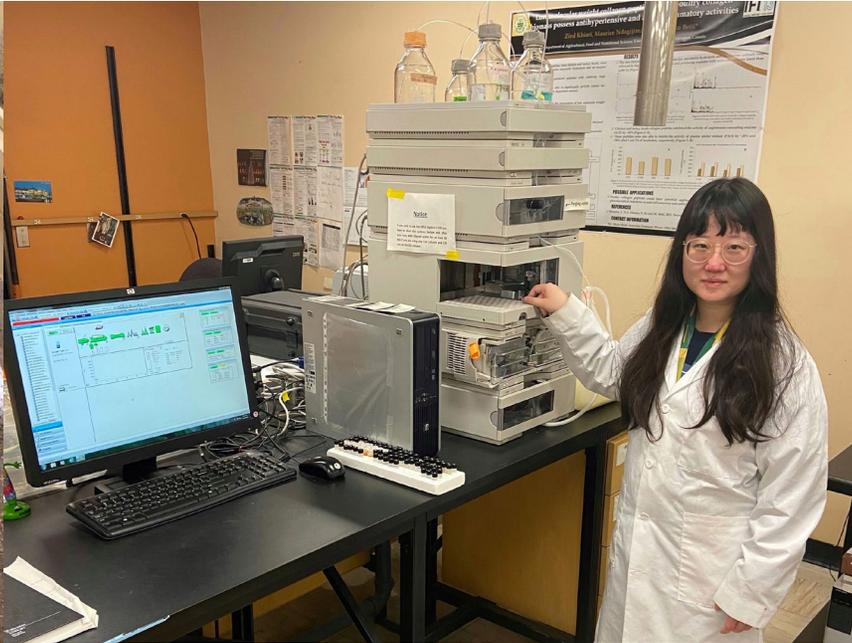
One of my mentors likes to quote Louis Pasteur, "Luck favours the prepared" (Louis Pasteur). I have seen a lot of preparedness. Highly gratifying. The immediate future does not promise that things will get easier. Now more than ever it is time to be there for each other. The recent passing of Bill Withers reminds us all "I just might have a problem that you'd understand". My hope is that we will all find the humility in the coming year to find someone to lean on. The PRC (and soon the PIP) partners are in a good place. Let's all be ready and willing to lean in, lean on, and be leaned on. Make time to take care of yourself, too!

Here's to another (try at?) a good year!

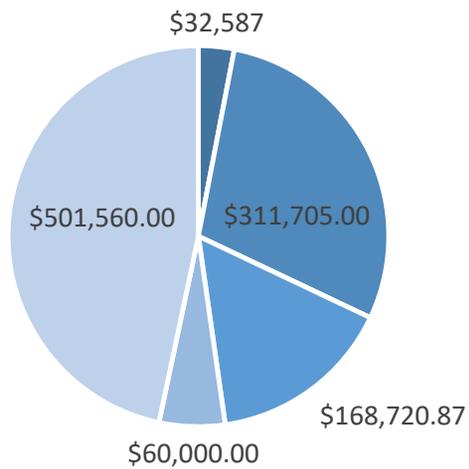


RESEARCH PROJECTS
25
ONGOING





2019/20 Research Funding by Research Category



- Behaviour & Welfare
- Management & Physiology
- Poultry Health
- Feed & Nutrition
- Meat and Egg Products and Processes



IN POULTRY COURSES
 UNDERGRADUATE STUDENTS
128



WORTH MORE THAN
\$50,000
11
 AWARDS

GRADUATE
53
 STUDENTS



FORMER PIP
HQP
 EMPLOYED BY

9 VISITING STUDENTS
 13 RESEARCH TECHNICIANS
 8 RESEARCH ASSOCIATES
 14 Post Docs
 9 UNDERGRAD RESEARCH ASSISTANTS





Dr. Doug Korver, Education Lead

Although our name has changed from the Poultry Research Centre to the Poultry Innovation Partnership, our commitment to the training of highly-qualified personnel has not. We look forward to strengthening the relationship among all of our academic, government and industry partners! We will continue to look for opportunities to integrate our trainees with all of our partners. In addition to the traditional academic roles, we will take advantage of traditional classroom teaching, internships, professional development, and other approaches to provide maximum value to all of our partners.

The PRC team plays an important role in graduate and undergraduate teaching at the U of A. In 2019/2020, there were 3 undergraduate classes with 70 to 100% poultry content, with a total enrollment of 128. In addition, 5 graduate students were enrolled in poultry-focused classes. Other courses were taught by PRC faculty to 152 undergraduates, with 10 to 50% poultry focus, on animal behaviour, nutrition, metabolism, welfare, behaviour, food chemistry, food safety and food product development. There were 2 poultry-focused independent study projects offered this year. In addition to teaching at the U of A, PRC members also deliver lecture content and practical experience to students at the University of Calgary Faculty

of Veterinary Medicine. In 2019, the poultry and swine nutrition courses were combined into a single Monogastric Nutrition (ANSC 462) course. This resulted in a course that is 1/3 monogastric feedstuffs, 1/3 swine nutrition, and 1/3 poultry nutrition. Thus, the new course maintains a strong relevance to poultry. PRC staff received several teaching awards in 2019/2020.

Starting in 2016, the Faculty of ALES, in cooperation with the U of A Career Centre, launched an Undergraduate Animal Science Mini-Internship program. Please see Frank Robinson's detailed write-up for more details about this excellent opportunity for both industry and students.

The training of highly qualified personnel (HQP) remains an important focus for the PRC. In 2019/2020, PRC faculty supervised 53 graduate students, 9 visiting students and scholars, 13 research technicians, 8 Research Associates, 14 post-doctoral fellows, and 9 undergraduate research assistants. Six of our students received 11 awards with a total value of more than of \$50,000. This speaks not only to the quantity of students being trained in poultry science and production at the PRC, but also the quality. Members of the PRC (including technicians, researchers, extension specialists and students)

were on hand for the 2020 Western Poultry Conference. Research flyers highlighting student and other projects were distributed, giving our students and staff opportunities to meet directly with producers and talk about the exciting work being done at the PRC, and the relevance of that work to the poultry industry in Alberta. The Western Poultry Conference has become a premier event for knowledge and technology transfer to the benefit of the Alberta poultry industry. As part of the ANSC 462 (Monogastric Nutrition) class, 8 undergraduate students and 2 graduate students attended this conference (in addition to 6 graduate students, 3 technicians and 2 faculty).

An example of the kinds of creativity employed at the PRC, Dr. Clover Bench's Ethology Research group is in the process of rearticulating skeletons from some of the broiler chicken lines maintained at the Poultry Unit, as well as from modern broiler strains. This is part of a research project investigating broiler gaits (i.e. walking ability), but will remain with the PIP as educational tools for future Animal Science and Animal Health students.



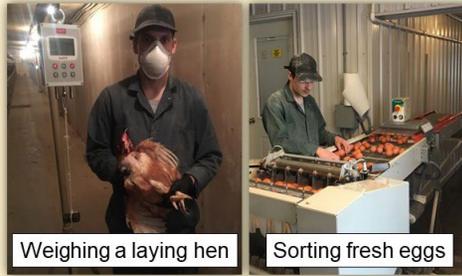
Andrija Zubac STS Farms – Table Egg Layer Operation

Skills learned:

- Proper chicken handling techniques
- Vaccination of 14 week old pullets using Poulvac SE ND IB, an inactivated vaccine that prevents both *Salmonella enteritidis* colonization of internal organs in addition to signs and lesions associated with Newcastle disease and infectious bronchitis viruses
- Conduction of flock health assessments and feed planning based on data from weighed hens
- Egg collection by hand and via operation of automated systems
- Evaluation of egg quality after collection and sorting for transport accordingly



Vaccination of a White Leghorn pullet



Weighing a laying hen

Sorting fresh eggs

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Overall I'm very grateful for the hands on learning experience I could have only gotten through this program and I'm excited to participate again next year!
-Andrija Zubac

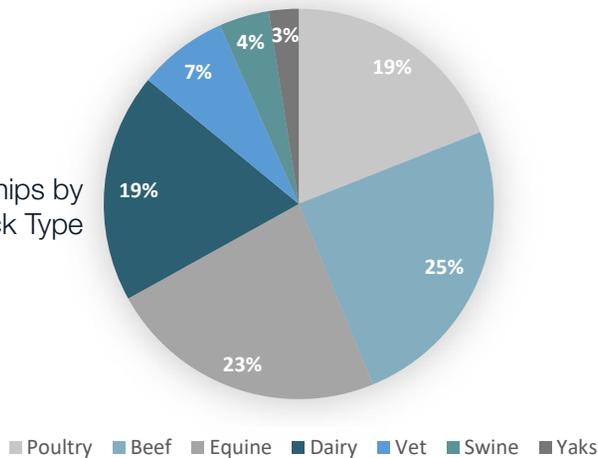
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“

I discovered a passion for chickens that I never had before - Britain Mills-Dawes

”

2019/20 Internships by Livestock Type



POULTRY RESEARCH CENTRE-MINI INTERNSHIP BY:BRITAIN MILLS-DAWES

- DURING THE 3 DAYS I LEARNED:
 - A. BIOSECURITY NEEDS
 - B. THE COLLECTION PROCESS OF HERITAGE BIRD EGGS
 - C. THE STANDARDS OF CLEANLINESS FOR EGGS COLLECTED
 - D. HOW TO DO AN OVERALL HEALTH AND APPEARANCE ASSESSMENT ON THE BIRDS
 - E. THE FEEDING NEEDS
 - F. DIFFERENT RESEARCH PROJECTS GOING ON
 - G. VACCINATION OF SMALL CHICKS
- I WAS ASKED BACK BY THE HOST TO HELP VOLUNTEER
- I DISCOVERED A PASSION FOR CHICKENS THAT I NEVER HAD BEFORE
- LEARNED MORE ABOUT DIFFERENT POSSIBILITIES WITH MY DEGREE





Frank Robinson, Professor

The Agriculture, Life and Environmental Science (ALES) faculty's Mini-Internship Program matches students with a community-based farm or other ALES organization for a 3-day workplace visit over Reading Week.

The ALES Mini-Internship helps students:

- Become more aware of their potential career options within your industry.
- Learn how to apply their education, training and/or experience.
- Test a career option before making a commitment to pursue it.
- Make useful connections to develop their professional network.
- Gain hands-on experience in their industry.

The Mini Internship program in animal science has wrapped up its eighth term. As of this February, 2020, 299 animal science placements have taken place during the fall and winter reading week breaks.

The 3-day internship program has provided students the opportunity to work on layer, turkey,

broiler breeder, broiler farms, and work with beef, dairy, elk, yak, goat and equine operations. The poultry health community has been well represented by Dr. Tom Ingis, Poultry Partners (Dr. Shawn Fairbairn), and Dr. Teryn Girard and Dr. Frank Marshall. We also had students intern in the feed industry with Jerry Emmanuel and Airell Deslauriers. Last fall, Maple Leaf Poultry organized a three-day internship involving their hatchery, field services and the processing plant. It was an amazing experience for three keen poultry students.

“299 animal science placements have taken place during the fall and winter reading week breaks.”

The February session was by far our biggest term yet in terms of student numbers (78 placements) being almost double last year. We appreciate the people who have opened up their farms, clinics and businesses so that our students can get exposure to the real world which will help them choose and plan careers. We are also indebted to the generous individuals, boards and companies who have contributed financially

to allow us to keep this program operating.

We are currently recruiting farm sites and other Agriculture, Life, and Environmental Science organizations across Alberta to host students. Hosting students provides you with the opportunity to:

- Provide new professionals with the support you had (or wished you had) when you first started working.
- Contribute to the education and development of new professionals in your field.
- Create awareness about career opportunities in your field.

Any producers interested in hosting students for Fall or Winter internships, or to learn more about the dates for next year are invited to contact Frank Robinson (frank.robinson@ualberta.ca).



UNIVERSITY OF ALBERTA
FACULTY OF AGRICULTURAL,
LIFE & ENVIRONMENTAL SCIENCES



Monogastric feeds & feeding
Eduardo Beltranena
Research Scientist
Adjunct Professor (33%)



Applied Ethology
Clover Bench
Associate Professor



Chemistry/ Muscle food
biochemistry
Mirko Betti
Associate Professor



Poultry Nutrition
Doug Korver
Professor



Poultry reproductive
physiology

Frank Robinson

Professor



Poultry By-Products

Aman Ullah

Assistant Professor



High value egg utilization

Jianping Wu

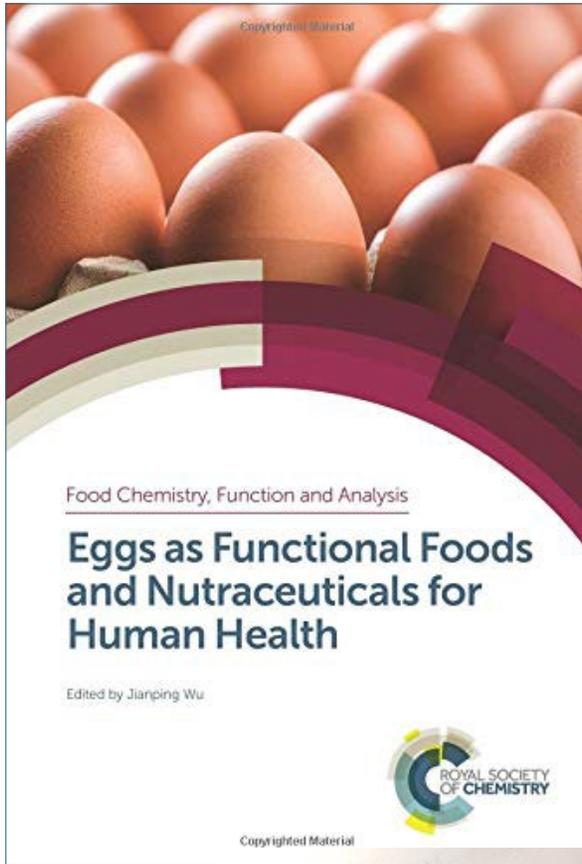
Associate Professor



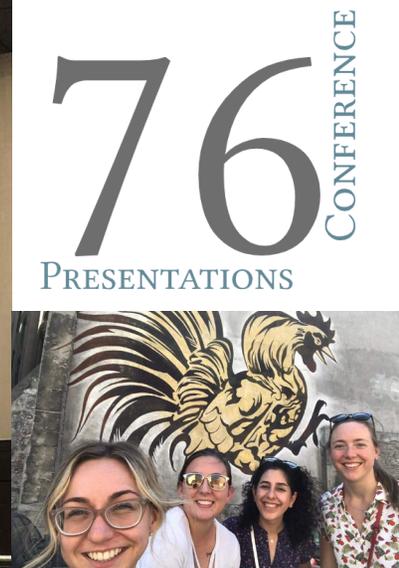
Systems modeling &
Precision feeding

Martin Zuidhof

Associate Professor



OR BOOK CHAPTERS
6 BOOKS



REGISTERED
1 PATENT



REFEREED
53 PAPERS





OCTOBER 29 LETHBRIDGE | NOVEMBER 6 AIRDRIE
MANURE: MORE THAN WASTE

100% attendees recommended their peers attend future flock talks!

Attended Events
600+ in 2019/20
People



“

The planning/coordination went really well. Brenda did an AMAZING job working through all the logistics and I acknowledge her calm 'let's work through this development' demeanour throughout the process.

- Cara Prout

”





Brenda Reimer, technology transfer coordinator

2019-20 has been busy! It is with pride that I can report that I was able to lead and collaborate on several tech transfer events with each of the poultry boards.

The 2019 Prairie Poultry Meeting was a great success drawing students and researchers from several institutions, including:

- *University of Saskatchewan*
- *University of Calgary*
- *University of Alberta*
- *Agriculture & Agri-Food Canada*

Over 60 attended the event in early June.

Over the summer and fall of 2019 the PIP team was pleased to collaborate on several training events:

- *On-Farm Euthanasia Training - Alberta Turkey Producers*
- *Brooding - Alberta Chicken Producers*
- *Brooding - Alberta Hatching Egg Producers*
- *Manure Management Flock Talk - Egg Farmers of Alberta*

The Western Poultry Conference in February 2020 was once again a sell-out with 370+

attending a very full day of presentations and panel sessions. I enjoy working with the rest of the organizing committee to develop a program that meets the learning needs of the western Canadian industry. The conference is fully self-supporting and has received strong support from farmers and allied industry.

“Covid-19 restrictions will be with us for the foreseeable future, and this will require a rethink of how we do tech transfer and extension.”

As PIP grows, I've spent a lot of time thinking about how we can expand the types of extension products we can offer and the means by which they are delivered. Covid-19 restrictions will be with us for the foreseeable future, and this will require a rethink of how we do tech transfer and extension. I envision a robust new, standalone PIP website that will be a one-stop shop for all things PIP. Some of the elements I envision are:

- *PIP board members area*
- *Blog*
- *Event calendar and registration*

- *Links to Heritage site*
- *Videos on PIP YouTube channel*
- *Publications from member institutions*
- *Social media presence*
- *Your ideas welcomed!*

Once a website is designed, it will be a big and ongoing job creating fresh content and creating a more active social media presence.

I'm also excited to announce that the Prairie Poultry Meeting will be going ahead in late June - and will include students from across Canada in a virtual environment. Many scientific meetings are going virtual and the Prairie Poultry Meeting (perhaps we need to rename it since it is national!) will be a chance for students to gain some experience prior to their summer talks. A meeting announcement will be coming out in mid-May.

Have an idea for an event or need support with tech transfer in your partner's organization? Please let me know, I'd be honoured to be help make your idea into reality!



“



100% Canadian Owned 🇨🇦

The Heritage Chick Days for 2020 was a phenomenal success. This was the first year we sold out! It is inspiring to see the public support for heritage breeds through this and the egg program grow every year, and exciting to think about future opportunities.

- Kristin Westersund

”



Why supporters joined the program

2019 Heritage Chicken Supporter Survey



Sold **3038**
Heritage Chicks
via Peavey Mart



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I have followed The Adopt a Heritage Chicken and subsequent Heritage Chick Days programs with enthusiasm. These programs sustain the heritage lines and the Heritage Genetics Program at the University of Alberta. The Heritage Genetics program has promoted collaborations with the poultry industry to develop material, lead by science, to educate the public about poultry production. This is a truly innovative and collaborative approach which should be adopted more broadly by universities. - Helen Anne Hudson

“



Dawn Hage, Heritage Chicken Coordinator

- In fall 2019, Brenda Reimer and I designed an exit survey for current and future supporters to amass critical information around program satisfaction, agricultural and consumer issues, and perceptions of industry vs small farm agriculture. Participation in the survey was high and results created a database that the HCP and others can draw on for current and future endeavours.
- The University based website (heritagechickens.ualberta.ca) continues to evolve and improve. In preparing for the 2020 registration, U of A tech team, Kerry Nadeau and I worked together to add website content, update the chick ordering process and link articles to the bi-monthly newsletter.
- With input from Dawn Donnelly and Marie Perron (ALES faculty development), a Donation Page was created, where people can “Adopt a Rooster” or choose other options

“To date, the donation page has brought in close to \$500 and we hope to continue to expand and promote this initiative.”

to donate to the program without signing up for eggs. To date, this donation page has

brought in close to \$500 and we will continue to expand and promote this initiative.

- Registration for the 2020 Adopt-A-Chicken program took place on November 27, 2019. Fees were raised this year from \$150 to \$175 plus tax. The increase did not affect interest in the program and we filled 502 spots in 5 days with 80 people currently on the waiting list. Egg handouts commenced on January 08/2020.
- An edited looped video stream from the heritage barn is offered for supporters to view at egg pickup time. This allows supporters to



view the birds without the biosecurity worries of visitations in the barn. Great thanks to Kerry Nadeau for creating these videos.

- The HCP Steering Committee continues to meet regularly, providing valuable support, insights and experience from industry, government and academic stakeholders.
- The annual Peavey Mart/ HCP Chick hatches took place April 29 and May 5/2020. Orders sold out a month early, and 3038

heritage chicks were ordered. Unfortunately, two planned Small Flock Workshops were cancelled due to Covid-19.

- Covid-19 has required additional adaptations and, as of mid-March, egg pickups have been reduced to one extended Saturday every two weeks. Eggs are picked up outside, one supporter at a time, handling their own cartons. I direct, sanitize, track names and replace eggs with the invaluable help of Dallas Shenher. There have been two successful pickups to date in this manner and my hope is that we can continue until restrictions are lifted. Supporters are extremely grateful that we have kept the program alive and the eggs flowing in these difficult weeks.



Heritage Egg Pickup during the Covid-19 Pandemic

Financial Report 2019 – 20

Poultry Unit Report

Unit Financial Report 2019 - 2020

Income 2019 - 2020	Actuals as of March 31, 2020		
Poultry Unit	Unit	Heritage*	Total
U of A/AFNS	200,848.00		200,848.00
Poultry Unit (Internal revenue)†	68,087.73	0.00	68,087.73
Poultry Unit (External revenue)‡	91,385.60	122,661.04	214,046.64
Sub-total	360,321.33	122,661.04	482,982.37
Opening balance	240,963.00		240,963.00
Total UofA	601,284.33	122,661.04	723,945.37

Expenses 2019 – 2020	Actuals as of March 31, 2020		
	Unit	Heritage*	Total
Salaries and benefits (Support staffs)	238,808.32	110,395.96	349,204.27
Supplies and services (incl. feed cost)	97,542.56	52,592.09	150,134.65
Repairs and Maintenance	9,564.51	2,794.05	12,358.56
Equipment	0.00	0.00	0.00
Others (incl. communication, travel, finance fees, Rentals)	8,671.32	7,894.24	16,565.56
Total Expenses	354,586.71	173,676.33	528,263.04

Income/Expense Summary 2019 - 2020	Actuals as of March 31, 2020		
	Unit	Heritage*	Total
Total Income (incl. carryover)	601,284.33	122,661.04	723,945.37
Total Expenses	354,586.71	173,676.33	528,263.04
Subtotal from Poultry Unit	246,697.62	(51,015.29)	195,682.33
Sustainability Grant repayment			0.00
DM Shaver contribution			0.00
Carryover/surplus to 2020/21	246,697.62	(51,015.29)	195,682.33

† Poultry Unit Internal revenue includes user fees (animal and facilities) related to research project, bird and egg sale for research.

‡Poultry Unit External Revenue includes primarily birds and egg sales, Heritage Chicken program revenues and donations and non-U of A user fees (animal and facilities) related to research projects.

*The Heritage revenue and expenditures do not include the cost of the technical staff currently paid from the Industry grant.

PRC - Overall Report¹
Financial Report 2019 - 2020

Income 2019 - 2020		Actuals as of March 31, 2020	
PRC	Cash	In-Kind*	Total
Industry	200,230.84	12,000.00	212,230.84
AF	0.00	337,600.00	337,600.00
UofA		1,578,500.00	1,578,500.00
Sub-total	200,230.84	1,928,100.00	2,128,330.84
Opening balance - Industry	231,573.29		231,573.29
Opening balance - AAF	0.00		0.00
TOTAL PRC	431,804.13	1,928,100.00	2,359,904.13

Expenses 2019 – 2020		Actuals as of March 31, 2020	
	Cash	In-Kind*	Total
Salaries and benefits (academic staffs)		1,916,100.00	1,916,100.00
Salaries and benefits (2 support staffs)	168,605.83		168,605.83
Supplies and Services	2,392.20	12,000.00	14,392.20
Repairs and Maintenance	0.00		0.00
Equipment	1,956.48		1,956.48
Others (incl. travel, overhead)	384.37		384.37
Total Expenses	173,338.88	1,928,100.00	2,101,438.88

Income/Expense Summary 2019 - 2020		Actuals as of March 31, 2020	
	Cash	In-Kind*	Total
Total Income (incl. carryover)	431,804.13	1,928,100.00	2,359,904.13
Total Expenses	173,338.88	1,928,100.00	2,101,438.88
Total carryover to 2020/21			258,465.25

¹ The overall PRC financial report is the combination of the individual financial report for Industry and AAF grant presented next.

* In-Kind support from AAF includes 1.56 FTE for the research team, 1 FTE for Technology Transfer and support for Research, Technology and Knowledge adoption and commercialization. In-Kind support from the UofA includes approximately 4.1 FTE equivalents of academic staffs involved in the PRC activities. The UofA in-kind support of \$385,000 (or portion) is the average cost per faculty member to conduct research in the Faculty of ALES, University of Alberta, for a year. This amount includes faculty salary and benefits and facility costs (utilities, maintenance, security, insurance) that are not covered by overhead or direct research charges.

PRC - Industry Grant Report
Financial Report 2019 - 2020

Income 2019 - 2020	Actuals as of March 31, 2020		
Industry	Cash	In-Kind*	Total
Alberta Turkey Producers	30,345.31		30,345.31
Alberta Hatching Egg Producers	0.00		0.00
Alberta Chicken Producers	78,836.26		78,836.26
Egg Farmers of Alberta	37,106.14	12,000.00	49,106.14
Egg Farmers of Canada	15,000.00		15,000.00
Burnbrae Farms	8,597.84		8,597.84
Sofina	15,172.65		15,172.65
Maple Leaf	15,172.64		15,172.64
UofA		1,578,500.00	1,578,500.00
Sub-total	200,230.84	1,590,500.00	1,790,730.84
Opening balance	231,573.29		231,573.29
TOTAL INDUSTRY	431,804.13	1,590,500.00	2,022,304.13

Expenses 2019 – 2020	Actuals as of March 31, 2020		
	Cash	In-Kind*	Total
Salaries and benefits (academic staff)		1,578,500.00	1,578,500.00
Salaries and benefits (support staff)	168,605.83		168,605.83
Supplies and Services	2,392.20	12,000.00	14,392.20
Repairs and Maintenance			0.00
Equipment	1,956.48		1,956.48
Other (incl. travel and overhead)	384.37		384.37
Total Expenses*	173,338.88	1,590,500.00	1,763,838.88

Income/Expense Summary 2019 - 2020	Actuals as of March 31, 2020		
	Cash	In-Kind*	Total
Total Income (incl. carryover)	431,804.13	1,590,500.00	2,022,304.13
Total Expenses	173,338.88	1,590,500.00	1,763,838.88
Carryover/Deficit to 2020/21			258,465.25

*In-Kind support from the UofA includes approximately 4.1 FTE equivalents of academic staffs involved in the PRC activities. The UofA in-kind support of \$385,000 (or portion) is the average cost per faculty member to conduct research in the Faculty of ALES, University of Alberta, for a year. This amount includes faculty salary and benefits and facility costs (utilities, maintenance, security, insurance) that are not covered by overhead or direct research charges.

PRC - AF Grant Report
Financial Report 2019 - 2020

Income 2019 - 2020	Actuals as of March 31, 2020		
Alberta Government	Cash	In-Kind*	Total
AF		337,600.00	337,600.00
Opening balance			0.00
TOTAL AAF	0.00	337,600.00	337,600.00

Expenses 2019 – 2020	Actuals as of March 31, 2020		
	Cash	In-Kind*	Total
Salaries and benefits (support staffs)		337,600.00	337,600.00
Supplies and Services			0.00
Repairs and Maintenance			
Equipment			0.00
Other			0.00
Total Expenses*	0.00	337,600.00	337,600.00

Income/Expense Summary 2019 - 2020	Actuals as of March 31, 2020		
	Cash	In-Kind*	Total
Total Income (incl. carryover)	0.00	337,600.00	337,600.00
Total Expenses	0.00	337,600.00	337,600.00
Carryover/Surplus to 2020/21			0.00

* In-Kind support from AAF includes 1.56 FTE for the research team, 1 FTE for Technology Transfer and support for Research, Technology and Knowledge adoption and commercialization.



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POULTRY **INNOVATION** PARTNERSHIP