



WORLD LEADERSHIP IN HEALTH OF RURAL PEOPLE

CCHSA

Canadian Centre for Health
and Safety in Agriculture

CCSSMA

Centre canadien de santé et
sécurité en milieu agricole



CCHSA/CCSSMA NEWS 2009-2010

Annual Report & Summary of Activities

OUR VISION

World leadership in health of rural people.

OUR MISSION

To conduct and stimulate research, education and health promotion programs aimed at enhancing the health and well-being of agricultural, rural and remote populations.

SERVICES:

Agriculture Health and Safety Network

The Agriculture Health and Safety Network provides agricultural occupational health and safety information and programs to Saskatchewan farm families through support from CCHSA, Saskatchewan Ministry of Agriculture, membership fees and external grants.

In 2010, the Agricultural Health and Safety Network grew to a membership total of 200 participating RMs which includes 28,000 plus farm families. The Network has evolved from providing agriculture health and safety literature and newsletters to 6 RMs 21 years ago to providing these services, in addition to Respiratory Health and Hearing Conservation clinics, speakers, workshops, trade shows and other events for the 200 participating RMs. A measure of the Network's success is demonstrated by growth in membership, which included 20 this past year, the development of partnerships and evidence of an increased awareness of farm health and safety issues within the province. The Network continues to develop strong partnerships, both provincially and nationally, with numerous organizations to collaborate and foster a unique agricultural health and safety program delivered in Saskatchewan. The Network benefits from the input of the Steering Committee comprised of six RM councilors each representing one of the six divisions of Saskatchewan Association of Rural Municipalities (SARM).

Sleepless in Saskatchewan DVD Launch

The official launch of the DVD documentary took place on April 6th, 2010 at the Mendel Art Gallery in Saskatoon. Project contributors, farm families, workshop participants and health professionals attended the launch.

The Sleepless in Saskatchewan documentary (42 min) was conceived to capture the connection between sleep, and health and safety in a format that could benefit more people. Using the "Sleepless in Saskatchewan Tour" as a foundation, the DVD documentary includes interviews with several sleep researchers, farm families, shift workers, health professionals, and workshop participants. The message is clear: "Getting a proper sleep is vital to the personal well-being of all individuals in all professions"



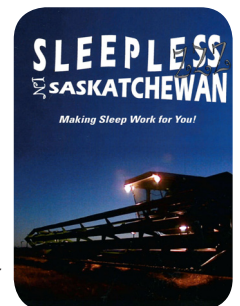
The Canadian Centre for Health and Safety in Agriculture acknowledges the many contributors that supported the making of the Sleepless in Saskatchewan DVD especially the tremendous support from SARM for the Sleepless in Saskatchewan project from its inception in 2006 to the present.

Financial support for this project was made available through the Canadian Centre for Health and Safety in Agriculture, The Canadian Agriculture Safety Association, and the Saskatchewan Ministry of Agriculture. The Sleepless in Saskatchewan resource package is available on our website: aghealthandsafetynetwork.usask.ca.

Sleepless in Saskatchewan: Making Sleep Work for You!

"Sleepless in Saskatchewan: Making Sleep Work for You!" it is a new resource developed in response to farmers saying they need better quality sleep was included in the 2010 annual spring package and delivered to Saskatchewan Network farm families. A cancer prevention resource was also included in the package, made possible through a partnership between The Network with the Canadian Cancer Society.

The Spring Network News was also part of the spring package that aligned with the Canadian Agricultural Safety Week (CASW) campaign from March 14-20th, 2010 entitled "Plan-Farm –Safety".



Low Stress Cattle Handling Workshops Project



Farmers, ranchers, 4-H club members, feed lot workers and auction mart workers from the communities of Parkbeg, Elfros, Prince Albert, Kerrobert and Whitewood benefited from the Low Stress Cattle Handling Train-the-Trainer Workshops. Facilitated by The Network with assistance from the Canadian Agriculture Safety Association (CASA), these workshops were delivered by Reg Stewart, a rancher and BC provincial ranching consultant to the Farm and Ranch Safety and Health Association (FARSHA). Workshops reached over 200 participants who were instructed on how Low Stress Cattle Handling results in a manageable herd, reduced shrinkage at shipping, less stress, and increases safety for the handler. A written resource, DVD package, training manual and power point presentation are available through the Network.

Network Respiratory Health and Hearing Conservation Program for Farmers

As part of Network membership, local communities and farm families are offered (a) Respiratory Health Program Clinics or (b) Hearing Conservation Programs.

A Registered Nurse, with expertise in agricultural health and safety, meets with producers one to one in a confidential setting in their local RM to provide occupational health screening, health promotion counseling, and address various health concerns.

Network clinics were held in RMs of: Leroy, Sherwood, Reford, Biggar, Eyebrow, Pleasant Valley, Marriot, Cupar, Lakeview, Foam Lake, Kellross, Brokenshell, Weyburn, Surprise Valley, Grassey Creek, Caron, Abbey, blucher, Gravelbourg, Cana, Stanley and Wolseley. In addition, the Nova Scotia Federation of Agriculture and Manitoba Keystone Producers Association were provided with occupational health services by The Network.

Canadian Farm Safety: Update

This project was supported by the Canadian Agriculture Safety Association and CCHSA.



Representatives of agricultural safety associations from across Canada met on September 3, 2009, in Winnipeg, MB, to assess our nation's agricultural safety programming. The objective of this workshop, hosted by the Canadian Centre for Health and Safety in Agriculture was to collect an inventory of initiatives, resources, and programs aiming towards developing a Certified Safe Farm program across Canada.

Participants were asked to focus their reporting on the four components: (1) occupational health screening, (2) on-farm safety reviews, (3) education, and (4) incentives based on the Iowa University Certified Safe Farm Program.

The inventory report, representing the current occupational health and safety situation in agriculture for provinces across Canada, is not a comprehensive or an exhaustive one, but rather represents the best knowledge of the participants in their capacity with the organization that they represent at the time of the workshop.

90th Saskatchewan Association of Rural Municipalities (SARM) Scholarship

Craig Pridmore from the RM of Reno #51 was the recipient of the 2010 90th Saskatchewan Association of Rural Municipalities (SARM) anniversary scholarship.



Initiated in 1995 with SARM and through continued support of the Canadian Centre for Health and Safety in Agriculture National Partners Fund, the \$1,000 90th SARM anniversary scholarship is awarded each year to a grade 12 student for the best essay on farm safety. Craig is planning to enter the College of Engineering at the University of Saskatchewan in the fall of 2010.

(photo of Craig)

For more information on the Network resources and programs please visit: aghealthandsafetynetwork.usask.ca

RESEARCH:

Dementia Care in Rural and Remote Communities

Since 2003, a team at the University of Saskatchewan has been conducting research aimed at improving the care of people with Alzheimer Disease and other dementias who live in rural and remote areas. We are focusing on rural and northern communities because they often have a higher proportion of older people (the risk of developing dementia increases with age) but fewer specialized services.

How do we ensure our research is relevant to stakeholders?

Our interdisciplinary team includes nursing, medicine, psychology, physical therapy, sociology, and geography.

Our research is guided by a 27-member Decision-Maker Advisory Council which has representation from family members, front-line health care providers and managers, health regions, government, organizations such as the Alzheimer Society, and international researchers. An annual Summit in Saskatoon brings together the Advisory Council members and research team for a knowledge-exchange event that includes a scientific poster session and full-day interactive meeting to review new and ongoing studies. Through these activities we are creating a Knowledge Network in Rural and Remote Dementia Care.

NET Team Retreat in August 2009



What is the team doing to address the growing number of people with dementia?

A wide range of studies are in progress, each led by different team members. Many projects are linked to the Rural and Remote Memory Clinic, which was implemented and evaluated by our team as a research demonstration project. At present the clinic has interim funding from Saskatchewan Health and the Saskatoon Health Region. Examples of our current projects include:

- **Evaluation of a Telehealth-Delivered Support Group (Margaret Crossley and Megan O'Connell).** Since January 2009, two members of the Rural and Remote Memory Clinic team have provided a monthly telehealth-delivered support group for caregivers of individuals diagnosed with atypical dementias. Caregivers of these less common dementias are under-served and geographically isolated. The use of telehealth allows caregivers from across the province to meet using videoconference technology. A workshop was held in June 2010, to bring group members and the research team together to evaluate the delivery format and develop a template for future telehealth-facilitated family support group interventions.
- **Development and Evaluation of a Telehealth-Delivered Exercise Intervention (Vanina Dal Bello-Haas).** The purpose of this project is to examine the feasibility and acceptability of a telehealth-delivered exercise program for Rural and Remote Memory Clinic patients and their caregivers. In Phase 1, clinic patients and caregivers were interviewed about current physical exercise and preferences regarding an exercise intervention design. This information was used to create the Phase 2 survey questionnaire that was mailed to patients and their caregivers. Preliminary analyses suggest that 61% of respondents are interested in participating in an exercise program conducted via telehealth. Phase 3 will involve a telehealth-delivered exercise intervention.
- **Caring for a Rural Family Member with Dementia (Debra Morgan).** The Rural and Remote Memory Clinic operates within a family-centred model of care, which means that the patient's entire family, or support unit is included in all stages of assessment and care. However, most research activities at the clinic have focused primarily on the patient. The Caregiver Needs Assessment study was launched in April, 2010 to explore the experiences of informal caregivers (usually family members) of clinic patients. When the patient arrives for their initial assessment, their accompanying informal caregiver(s) are invited to participate in a series of three interviews over the course of one year. This study will help us to understand how caregivers' needs and experience change over time, and will inform policy and programming.
- **Development of a Cognitive Screening Tool for Aboriginal Seniors (Margaret Crossley).** Members of the neuropsychological team at the Rural and Remote Memory Clinic have been working in partnership with members of the Home Care staff at the Keewatin Yatthé Regional Health Authority to develop the Northern Cultural Assessment of Memory (N-CAM), a cognitive screening protocol that is appropriate for Aboriginal seniors. A training workshop in Île à la Crosse in July 2010 prepared the members of the Home Care Service at KYRHA for the pilot-testing phase of the N-CAM.
- **Dementia Diagnosis and Management (Julie Kosteniuk).** The purpose of this project is to explore the assessment and management of people with dementia by family physicians and nurse practitioners in rural and remote Saskatchewan. We have conducted telephone interviews with 14 family physicians and nurse practitioners. We are currently conducting a preliminary analysis of the findings. We are investigating how physicians and nurse practitioners see their role in dementia assessment and management, their support and education needs, their perceptions of patients' and caregivers' needs, and their views regarding current gaps in the health care system to support people with dementia and their caregivers.
- **The Experiences of Sons as Caregivers (Norma Stewart).** Our team is conducting a pilot study on the experiences of sons as caregivers over time for parents with dementia, who live in rural and remote areas of Saskatchewan. We will interview sons who have self-identified as primary caregivers in the initial diagnostic Rural and Remote Memory Clinic visit over the past 6 years. Our plan is to conduct the interviews in the home community of each of the sons with the aim of improving our understanding of their role in the context of the network of careers and services available to their parent with dementia.

- **Evolution of Assisted Living, Personal Care, and Long-Term Care Facilities in Aboriginal Communities (Lesley McBain).** The plan of this pilot project is to identify and describe assisted living and long-term care facilities located in First Nation and Metis communities in Saskatchewan. While there is a need for long-term care beds in Aboriginal communities, establishing such facilities requires stakeholders to negotiate a range of complex jurisdictional and funding challenges. As such the project will also examine the processes that were necessary to overcome the barriers and result in the successful establishment of the assisted living, personal care, and/or long-term care facilities.
- **Exploring Incident Reporting by Continuing Care Aides (Allison Cammer).** Previous research conducted by members of the research team found that care aides experience a disproportionate amount of physical assault compared to other professions, mainly during direct personal care activities. In early June 2010 at the SIAST campus in Saskatoon we had an opportunity to learn more about incident reporting among Saskatchewan-based care aides. Focus groups were hosted to learn more about what reporting processes are currently in use, which are most useful, how they are best used within the workplace, and how they can be improved. The content of these discussions is being transcribed prior to analysis.



Funding for our projects: The team leader, Dr. Debra Morgan, is currently funded by the Saskatchewan Health Research Foundation and the Canadian Institutes of Health Research (Applied Chair in Health Services & Policy Research). Funding for team projects is provided by: CCHSA-CIHR Centre for Research Development Pilot Project and Knowledge Translation grants, Ralston Brothers Medical Research Fund, and an Outreach and Engagement Award to Margaret Crossley by the University of Saskatchewan.

The Saskatchewan Farm Injury Project (SFIP)

The project was funded by the Canadian Institutes for Health Research (CIHR)

What is the Saskatchewan Farm Injury Project (SFIP)?

SFIP is a large population based study of injuries that occur on Saskatchewan farms. The study was conducted in 50 rural municipalities spread across the province. The study population is comprised of 5402 people living on 2490 farms in the province. The farms involved in the study are representative of the types of production and acreage sizes in Saskatchewan agriculture. The farms were followed for a period of two years.

What are the Goals of this Project?

The goal of this project is to understand individual operational risk factors (individual exposures) and settings (contextual or environmental exposures) associated with agricultural injury, with the long-term goal of informing the development of interventions directed at the prevention of injury within both farm populations and agricultural production settings.

What are our findings to Date?

To date, the investigators have published nine manuscripts in peer reviewed journals. Another four manuscripts are in progress. A knowledge translation piece was produced for circulation to the study participants. Quoting from the newsletter for participants, the main findings are:

1. Farmers are working exceptionally long hours and the resulting fatigue puts them at higher risk for injury
2. Many farmers report insufficient sleep during peak seasons. Many also report diagnosed and undiagnosed sleep disorders. These too can lead to injury.
3. The physical condition of machinery, vehicles and buildings is strongly related to farm injury experience.
4. Many teenage and older workers are operating older equipment without modern safety features.
5. Interestingly, economic conditions were not strongly related to injury experiences.
6. Farmers over the age of 75 average about 30 hours of farm work a week. This puts them at high risk for injury.

7. Senior farmers report more hearing loss and double the rate of asthma compared to other Canadians of the same age.
8. The effects of long work hours put in by parents influence the health of their young children.
9. Parents use many strategies to cope with child supervision issues. Some of these strategies put their children at risk.
10. Teen workers are more frequently exposed to hazardous farm work when the owner-operator reports excessive work hours.
11. Education is a necessary component for safe farming.
12. However, the evidence suggests that education alone is not enough to cause the change in behaviour that will result in safety farms.

Do you want more information?

For more information about the SFIP including study results and publications go to our website at: <http://www.cchsa-ccsma.usask.ca/skfarminjuryproject/index.php>

The Saskatchewan Rural Health Study

This project was funded by the Canadian Institutes of Health Research (CIHR)

What is the Saskatchewan Rural Health Study (SRHS)?

SRHS is a large population based study of respiratory health in rural dwellers in Saskatchewan. The study will take place in 33 rural municipalities and 17 rural towns and villages in the province. The study will be conducted over a six year period beginning in January 2010. Participation in the study will involve a baseline survey, breathing and allergy tests and environmental measurements as well as a follow-up study four years after baseline measurements.

Importance of Project for Saskatchewan

In Saskatchewan 36% of the population live in rural areas. There is evidence that environmental, social and health services delivery circumstances may adversely affect the respiratory health of rural people and lead to chronic bronchitis, chronic obstructive pulmonary disease and asthma. Despite this impact on respiratory health, the risk factors influencing respiratory health in the rural population is not fully understood.

Goals of this Project

The goal of the SRHS is to develop a better understanding of the factors that influence respiratory health in rural Saskatchewan. Our hope is that this will lead to more effective respiratory health promotion and respiratory disease prevention efforts.

Our Progress to date

The baseline questionnaire was administered between January and March of 2010. The adult study population is comprised of 8377 individuals living in 4685 households located in 33 rural municipalities and 17 rural towns and villages in Saskatchewan. A subgroup of these individuals are having breathing and allergy tests during the coming fall and winter. In the coming year the study population will be expanded to include children in grades 1 to 12 attending schools in the study areas and a subgroup of the children will also have breathing and allergy tests.

Investigators on this Project

The principal investigators on this project are Dr. James Dosman and Dr. Punam Pahwa of the University of Saskatchewan. Our research team is comprised of scientists from the University of Saskatchewan, University of Alberta, University of Ottawa, Queen's University and Laurentian University.

Saskatchewan Farm Injury Surveillance Project

What is the Saskatchewan Farm Injury Surveillance Project (SFISP)?

SFISP is an ongoing surveillance project that counts the number of fatal and hospitalized farm injuries in the province each year. At present this information is available for the period from 1990 to 2009 for fatal injuries and from 1990 to 2007 for hospitalized injuries. These data are used to describe the frequency of serious farm injuries, to observe trends over time and to describe the patterns and causes of farm injuries. This information is important to development of targeted and effective injury prevention programs in the province. Stakeholders who access and use this information to create public awareness

and to plan injury intervention programs are the media, the Saskatchewan Regional Health Authorities, agricultural health and safety specialists in non-government and government agencies and the farm community in general. Complete reports are available on the CCHSA website.

Who are the Investigators on this Project?

The co-investigators on this project are Dr. Niels Koehncke and Louise Hagel, University of Saskatchewan. Our collaborator on this project is the Occupational Health and Safety Division of the Ministry of Labor Relations and Workplace Safety, Government of Saskatchewan.

Who Provides the Funding for this Project?

The project is funded by the Canadian Centre for Health and Safety in Agriculture, the Occupational Health and Safety Division of the Ministry of Labor Relations and Workplace Safety, Government of Saskatchewan, Canadian Agriculture Injury Reporting, the Canadian Agriculture Safety Association and Agriculture and Agri-food Canada.

Graduate Training Program in Public Health and the Agricultural Rural Ecosystem (PHARE)

In 2009, the CIHR Strategic Training Program entitled, “Public Health and the Agricultural Rural Ecosystem” (PHARE) received funding for an additional six years. This program provides scholarship support along the development continuum from Masters through to Post Doctoral Fellows to train and mentor young scientists.

2009-2010 PHARE Training Scholarships Awardees:

Post Doctoral Fellow - Julie Kosteniuk, University of Saskatchewan; Rasha Maal-Bared, University of Ottawa; and Zimu Yu, University of Saskatchewan.

PhD – Brenna Bath, Natasha Just; and David Schneberger from the University of Saskatchewan; Zhiwei Gao, University of Alberta; Nichole Garzia, University of British Columbia; Kerry Anne Hogan, Queen’s University; Megan Kot, Dalhousie University; Jack Teng, University of British Columbia; and Silvia Vilches, University of British Columbia.

Masters – Pascale Blais-Lecours, Université Laval; Erin Crouchman, Queen’s University, and Amanda Froehlich, University of Saskatchewan.

National Research Program

Since its inception in 2003, the National Research Program (formerly the Centre for Research Development Program) has grown to over 60 scientific collaborators and 65 students representing 17 Canadian Universities across 9 provinces and 13 non-Canadian Universities and other organizations. The CCHSA National Research Program provides support funding for research pilot studies as well as knowledge translation projects in the theme areas of What we breath (Genetic and environmental determinants of lung dysfunction), What we eat and drink (Determinants of infections), How we work (Occupational health issues), and How we live (Physical and mental health, and social issues). It also supports Postdoctoral and PhD scholarships through the CIHR Strategic Training Program “Public Health and the Agricultural Rural Ecosystem” (PHARE).

Pilot Project Support Program

The Pilot Project Support Program is a funding opportunity which provides funds for initial meetings and other communications leading to the development of research proposals for submission to national granting agencies.

2009-2010 Pilot Project Support Program Recipients:

Support was provided to Dr. Dorothy Forbes, University of Western Ontario; Drs. John Gordon, Josh Lawson, Debra Morgan, Punam Pahwa and Norma Stewart from the University of Saskatchewan; Dr. Bonnie Jeffery, University of Regina; Dr. Catherine Laprise, Université du Québec à Chicoutimi; Dr. Lesley McBain, First Nations University of Canada.

CAPACITY BUILDING

National Partners Fund

The National Partners Fund, the successor to the Founding Chairs Program, is an integral part of CCHSA in helping to create a secure financial base for the Centre and to provide the opportunity to initiate new programs.

New categories have been established for future contributors and provision has been made that the categories will reflect lifetime contributions of current and previous contributors:

Category	Contribution	
Supporter	\$ 100 -	\$ 49,999
Bronze Guardian	\$ 50,000 -	\$249,999
Silver Guardian	\$250,000 -	\$499,999
Gold Guardian	\$500,000 -	\$749,999
Platinum Guardian	\$750,000 -	and up

Our current Guardians are Canadian National, Farm Credit Canada, Federated Co-operatives Ltd, Viterra and The Co-operators. We thank them for their generous support and for the expertise which they have shared with our Centre.

Maura Gillis-Cipywnyk, Director of Institutional Advancement, coordinates the program in consultation with the Management Committee which is comprised of 3 members who are Contributors and 3 members from the University of Saskatchewan. Current members include: Chairperson Glen Tully, President, Federated Co-operatives Inc; Terry Baker, Viterra, Lyndon Carlson, Vice-President, Marketing and Product Development, Farm Credit Canada and University of Saskatchewan representatives : Dr. John Gordon, Director, Canadian Centre for Health and Safety in Agriculture, Dr. William Albritton, Dean, College of Medicine; Trust Advisory Services representative pending .

Activities during the past year have focused on enhancing and promoting awareness within agricultural industries, companies and associations in Canada to develop opportunities for collaboration and partnerships.

Historically, the Founding Chairs Program was established in 1989 to create an Endowment Fund for the Centre. Since its inception in 1989 almost \$5 million has been placed in the Endowment Fund and the new Enhancement Fund. A portion of these funds are used for special research projects, scholarships for graduate students and knowledge translation.

Canadian AgriSafety Applied Research Program

AgriVita Canada Inc., a not for profit company, has completed its long-term sustainability plan called Canadian AgriSafety Applied Research Program (Canadian AgriSafety ARP). The Program has been submitted to the Agricultural Flexibility Fund (AgriFlexibility) of Agriculture and Agri-Food Canada (AAFC) in January 2010. Partnerships have been developed with provinces and Memoranda of Understanding or Letters of Support have been provided. The Canadian AgriSafety ARP is supported by 9 provinces.

KNOWLEDGE TRANSFER

The Knowledge Translation Project Program is intended to (a) provide funds to address the needs for knowledge uptake in one or more of the four CCHSA theme areas, (b) disseminate “evidence-based” knowledge aiming at improved health and/or safety in the agricultural/rural community; (c) encourage new collaborations and knowledge exchange among stakeholders, and (d) reach and impact upon an audience of end users. Recipients of knowledge translation support in 2009-2010 were Dr. Karen Bartlett, University of British Columbia; Dr. Margaret Crossley, University of Saskatchewan; Dr. Debra Morgan, University of Saskatchewan; Dr. William Pickett, Queen’s University; and Dr. Philip Willson, University of Saskatchewan.

Presentations:

Asselin J, Lazure L, Nicol AM. "Exploring Knowledge Translation" Presented: 4th Annual National CCHSA KT Program Scientific Network Meeting, Kingston, ON, October 2009. Supported: Canadian Institutes of Health Research (CIHR) – Institute of Population and Public Health (IPPH) Centers for Research Development.

Asselin J, Lazure L, Nicol AM. "Creating KT Opportunities: Discussion" – Funding Opportunities. Presented: 4th Annual National CCHSA KT Program Scientific Network Meeting, Kingston, ON, October 2009. Supported: Canadian Institutes of Health Research (CIHR) – Institute of Population and Public Health (IPPH) Centers for Research Development.

Published Resources:

CCHSA Knowledge Translation Program. National Scientific Network Bulletin. The "4th Annual National Scientific Network Meeting – Report": Published: March 2010. Supported: Canadian Institutes of Health Research (CIHR) – Institute of Population and Public Health (IPPH) Centers for Research Development.

CCHSA Knowledge Translation Program. National Newsletter "Agricultural Health and Injury Prevention; Research and Control": A special issue on H1N1 Influenza entitled "Novel H1N1 of 2009 – Be Aware and Prepared. Published: November 2009. Supported: Canadian Institutes of Health Research (CIHR) – Institute of Population and Public Health (IPPH) Centers for Research Development.

Willson P, Chenard L, Kirychuk S, Rennie D, Dosman J, Senthilselvan A, Predicala B, Schwartz D, Burch L. Gender, Genetics Play Role in Swine Barn Worker Health. Published: National Hog Farmer, Research Issue, Minneapolis, MN, USA, December 2009.

Willson P. Needle-Free Injectors Offer Quick Safe Effective Vaccine. Phone/radio/online interview at <http://www.farmscape.ca> 3359. University of Saskatchewan [Tuesday 24 November, 2009].

INVITED LECTURES & PROFESSIONAL DEVELOPMENT

Gordon JR. Regulatory Dendritic Cell Therapy for Asthma and Autoimmune Diseases. Immunity, Inflammation and Cancer Symposium, Winnipeg MN. September 8, 2009.

Gordon JR. Update on the CE Current Canadian Farm Safety Programs¹ status. Canadian Rural Health Research Society Annual meeting, Kingston, ON. October 17, 2009

Gordon JR. Regulatory Dendritic Cell Immunotherapy for Allergic and Autoimmune Diseases, Children's Hospital, Zhejiang University School of Medicine, Hangzhou, China. November 30, 2009

Gordon JR. ELR-CXC Chemokine Antagonism Targets both Inflammatory and Non-inflammatory Processes, Immunotherapeutics Symposium, International Congress of the Gene, Foshan, China. December 4, 2009

Gordon JR. Immunotherapeutic Approaches for Inflammatory Diseases. Department of Immunology, Dalian Medical University, Dalian, China. December 7, 2009

Gordon JR. Growing the Future of BC Rural Health Research Panel, Annual meeting of the BC Rural and Remote Health Research Network, Prince George, BC. March 5, 2010.

Gordon JR. The SafeFarm Canada Certification Program. 2010 Annual meeting of the Saskatchewan Association of Rural Municipalities, Regina, SK. March 11, 2010.

Gordon JR. CCHSA's Programming for Producers. Grower Safety, Health and Environmental (SHE) Initiative Team, Agri-Products Group, Viterra. Regina, SK. March 29, 2010

Gordon JR. Regulatory Dendritic Cells as a Treatment for Allergic and Autoimmune Disease. Department of Medical Microbiology and Immunology, University of Alberta, Edmonton. April 1, 2010.

Gordon JR. Tolerogenic Dendritic Cells Induce CD4+CD25+Foxp3+ T Regulatory Cell Differentiation from CD4+CD25-Foxp3- T Effector Cells. 28th Symposium of the Collegium Internationale Allergologicum, Ischia, Italy. April 30, 2010.

Karunanayake CP. Workshop on Applied Statistical Genetics for Population-Based Association Studies, JSM 2009, Washington, DC, USA, August 1st, 2009.

PUBLISHED PAPERS: E-PUB & IN REFEREED JOURNALS

Andrews ME, Stewart N, Morgan D. Dementia awareness in northern nursing practice. *Canadian Journal of Nursing Research*; 2010, 42(1), 56-73.

Cleave J, Willson PJ, Town JR, Gordon JR. Fractionation of swine barn dust and assessment of its impact on the respiratory tract following repeated airway exposure. *Journal of Toxicology and Environmental Health*, 2010, Part A, 73:1090-1101.

Cornish SM, Chilibeck PD, Paus-Jennsen L, Biem J, Khozani T, Senanayake V, Vatanparast H, Little J.P, Whiting S.J, Pahwa P. A randomized controlled trial of the effects of flaxseed lignan complex on metabolic syndrome composite score and bone mineral in older adults. *Applied Physiology Nutrition and Metabolism*; 2009 April, 34(2):89-98.

Estabrooks C, Hutchinson A, Squires J, Birdsel, J, Cummings G, Degner L, Morgan D, Norton P. Translating Research in Elder Care: An Introduction to a Study Protocol Series. *Implementation Science*, 2009; 4, 51.

Forbes D, Culum I, Lischka AR, Morgan DG, Peacock S, Forbes J, Forbes S. Light therapy for managing cognitive, sleep, functional, behavioural, or psychiatric disturbances in dementia. *Cochrane Database of Systematic Reviews*, 2009, Issue 4. Art. No.: CD003946. DOI: 10.1002/14651858.CD003946.pub3.

Hagel LM, Pickett W, Pahwa P, Day L, Brison RJ, Marlenga B, Crowe T, Snodgrass P, Ulmer K, Dosman JA. Prevention of agricultural injuries: an evaluation of an education-based intervention. *Injury Prevention*, 2008; 14(5):290-5.

Karunanayake CP, Singh GV, McDuffie HH, Dosman JA, Spinelli JJ, Pahwa P. Occupational exposures and Hodgkin lymphoma: Canadian case-control study. *Journal of Occupational and Environmental Medicine*, 2009; 51(12): 1447-1454. Erratum *JOEM* 2010, 52(3):354.

Karunanayake CP, Pahwa P. Mental Health of Seniors. *Chronic Diseases of Canada. Chronic Diseases in Canada*, 2009, 29(3):118-126.

Kiryuchuk SP, Reynolds SJ, Koehncke NK, Lawson J, Willson P, Senthilselvan A, Marciniuk D, Classen HL, Crowe T, Just N, Schneberger D, Dosman JA. Endotoxin and Dust at Respirable and Nonrespirable Particle Sizes are not Consistent between Cage- and Floor-Housed Poultry Operations. *The Annals of Occupational Hygiene*. 2010 Jun 10. [Epub ahead of print] PMID: 20538718 [PubMed].

Kulig J, Stewart N, Forbes D, Morgan D, Emerson P. Community attachment and satisfaction: Perspectives of rural and remote registered nurses. *Public Health Nursing*, 2009; 26(5), 430-439.

Jansen L, Forbes D, Markle-Reid M, Hawranik P, Kingston D, Peacock S, Morgan D, Henderson S, Leipert B. Formal care providers' perceptions of home and community-based services: Informing dementia care quality. *Home Health Care Services Quarterly*, 2009; 28(1), 1-23.

McNally DJ, Leis K, Matheson LA, Karunanayake C, Sankaran K, Rosenberg AM. Vitamin D deficiency in young children with severe acute lower respiratory infection. *Pediatric Pulmonology Journal*, 2009; 44:981-988.

Morgan D, Crossley M, Kirk A, McBain L, Stewart N, D'Arcy C, Forbes D, Harder S, Dal Bello-Haas V, Basran J. Evaluation of telehealth for pre-clinic assessment and follow-up in an interprofessional rural and remote memory clinic. *Journal of Applied Gerontology*. Online, DOI:10.1177/0733464810366564, <http://jag.sagepub.com/>

Pahwa P, Karunanayake CP, McDuffie HH, Spinelli JJ, and Dosman JA. Ethnicity and incidence of Hodgkin's disease in Canadian population. *BioMed Central-Cancer*, May 2009; 9:141. doi:10.1186/1471-2407-9-141. (<http://www.biomedcentral.com/qc/1471-2407/9/141>).

Pahwa P, Karunanayake CP, Rennie DC, Chen Y, Schwartz DA, Dosman JA. Association of the Asp299Gly TLR4 Polymorphism with Lung Function in Relation to Body Mass Index. *BioMed Central-Pulmonary Medicine*, 2009; 9:46. (<http://www.biomedcentral.com/1471-2466/9/46>).

Pahwa P, Karunanayake CP. Modeling of longitudinal polytomous outcome from complex survey data application: to investigate an association between mental distress and non-malignant respiratory diseases. *BioMed Central-Medical Research Methodology*, 2009; 9:84. (<http://www.biomedcentral.com/1471-2288/9/84>).

Peacock S, Forbes D, Markle-Reid M, Hawranik P, Morgan D, Jansen L, Henderson S, Leipert B. The positive aspects of the caregiving journey with dementia: Using a strengths-based perspective to reveal opportunities. *Journal of Applied Gerontology*, Online, Aug 25, 2009.

Rattanjeet V, Gordon JR, Thebaud B, Befus A D, Vliagoftis H. The effect of early-life stress on airway inflammation in adult mice, 2010, *Neuroimmunomodulation*, 17:229-39.

Rycroft-Malone J, Dopson S, Degner L, Hutchinson A, Morgan D, Stewart N, Estabrooks C. Study protocol for the Translating Research in Eldercare (TREC) : Building context through case studies in long-term care project (project 2). *Implementation Science*, 2009; 4, 53.

Senthilselvan A, Chénard L, Kirychuk S, Predicala B, Schwartz DA, Burch LH, Rennie DC, Willson PJ, Dosman JA. Gender-related tumor necrosis factor-alpha responses in naïve volunteers with Toll-like receptor 4 polymorphisms exposed in a swine confinement facility. *Journal of Interferon & Cytokine Research*. 2009 December; 29(12):781-90.PMID: 19929430 [PubMed]

Slaughter S, Eliasziw M, Morgan D, Drummond N. Incidence and predictors of disability in walking among nursing home residents with middle-stage dementia: A prospective cohort study. *International Psychogeriatrics*; 2010. Doi 10.1017/S1041610210000116.

Stewart N, D'Arcy C, Kosteniuk J, Morgan D, Forbes D, MacLeod M, Kulig J, Pitblado R. Moving on? Predictors of intent to leave among rural and remote RNs in Canada. *The Journal of Rural Health*. Online, DOI: 10.1111/j.1748-0361.2010.00308.x; Jul 13 2010 4:21PM.

Stillie R-M, Gordon JR, Stadnyk AW. The functional significance of expressing two types of interleukin-8/CXCL8 receptors on neutrophils (review), 2010, *Journal of Leukocyte Biology*, 86:529-43.

Taghavi A, Allan B, Mutwiri G, Foldvari M, Van Kessel A, Willson P, Babiuk L, Potter A, Gomis S. Enhancement of immunoprotective effect of CpG-ODN by formulation with polyphosphazenes against *E. coli* septicemia in neonatal chickens. *Current Drug Delivery*. 2009 January; 6(1):76-82.PMID: 19418959 [PubMed - indexed for MEDLINE].

X. Zhao, J. Town, J.R. Gordon. Neutrophil blockade ameliorates pathology in aspiration pneumonia without having deleterious effects on airway bacterial clearance. *Pulmonary Pharmacology and Therapeutics*, 2010; 23:22-28.

Zhao X, Town J R, Yang A, Zhang X, Sawicki G, Gordon JR. A novel ELR-CXC chemokine antagonist reduces intestinal ischemia reperfusion-induced mortality, and local and remote organ injury. *Journal of Surgical Research*, 162:264-73.

CONFERENCE PROCEEDING AND ABSTRACTS:

Gordon JR. Tolerogenic dendritic cells efficiently induce differentiation of regulatory T cells from effector T cells. Presented: 28th Symposium of the Collegium Internationale Allergologicum, Ischia, Italy. Apr 29, 2010.

Huang H, Zhang X, Town J, Dawicki W, Gordon JR. Contributions of IL-10, MHC II and Costimulatory Molecule Expression by Regulatory Dendritic Cells on Tolerance Induced in Asthma. Presented: Annual Meeting of the Canadian Society for Immunology, Niagara Falls, ON. April 23-25, 2010 & . Annual Meeting of the Prairie Infectious Immunology Network, Saskatoon. June 16-18, 2010.

Karunanayake CP, Pahwa P, McDuffie HH, Dosman JA, Spinelli JJ. Occupational exposures and Hodgkin lymphoma: Canadian case-control study. Presented: Canadian Rural Health Research Society 8th Conference: Rural Life, Health, Environment-The Full Spectrum, Kingston, ON, October 15-17, 2009.

Karunanayake C, Rennie DC, Nakagawa K, Chen Y, Dosman JA, Pahwa P, Bharadwaj L. Role of CD14 gene polymorphisms for asthma, wheeze and atopy in children. Presented: Thematic Poster session, B30 – Genetics of Airway Diseases I, May 18th, 2009 ATS and International Conference in San Diego, CA, USA. American Journal of Respiratory and Critical Care Medicine, Volume 179: A2748; April 2009.

Kiryuchuk SP, Reynolds SJ, Koehncke NK, Lawson J, Senthilselvan A, Marciniuk D, Dosman JA. Respiratory symptoms and levels of endotoxin and dust are not consistent for workers from cage and floor-housed poultry operations. Presented: American Thoracic Society International Conference, San Diego, CA, USA. American Journal of Respiratory and Critical Care Medicine, 179:A2192. May 15-20, 2009.

Kiryuchuk S, Gordon JR, Duchaine C, Rennie D, Lawson J, Just N, Schneberger D, Town J, Trivedi S, Willson P, Cleave J. Respiratory responses and components in agricultural dusts. Presented: Canadian Thoracic Society.

Kiryuchuk S, Reynolds SJ, Koehncke NK, Lawson J, Willson P, Senthilselvan A, Marciniuk D, Classen HL, Crowe T, and Dosman JA. Endotoxin Load as a Variable of Assessment in Relation to Respiratory Effects for Poultry Barn Workers. Presented: Eighth Conference Canadian Rural Health Research Society: Rural Life, Health, Environment – The Full Spectrum. Book of Abstracts, p.33, Kingston, ON, October 15-17, 2009.

Lawson JA, Dosman JA, Rennie DC, Newman S, Beach J, Senthilselvan A. Differences in health related quality of life among schoolchildren with and without asthma or wheeze. Presented: American Thoracic Society International Conference, San Diego, CA, USA. American Journal of Respiratory and Critical Care Medicine, 179:A4805. May 15-20, 2009.

Li C, Zhang X, Town J, Dawicki W, Gordon JR. The Characterization and Function of Endogenous Pulmonary Dendritic Cells in Regulatory Dendritic Cell-treated Asthmatic Mice. Presented: Annual Meeting of the Canadian Society for Immunology, Niagara Falls, ON. April 23-25, 2010.

Martin S, Karunanayake C, Rosenberg A. Vitamin supplementation in infancy: A survey of Saskatchewan practices. Presented: Canadian Pediatric Society 86th Annual Conference, Ottawa, ON, June 23-27, 2009.

Neufeld K, Karunanayake C, Maenz L, Rosenberg A. Prenatal exposures and maternal illness or rash associated with juvenile idiopathic arthritis (JIA). Presented: The Pediatric Trainee Research Day Symposium, University of Saskatchewan, Saskatoon, SK, April 15, 2010.

Neufeld K, Karunanayake C, Maenz L, Rosenberg A. Prenatal exposures and maternal illness associated with arthralgia in children. Presented: The Pediatric Trainee Research Day Symposium, University of Saskatchewan, Saskatoon, SK, April 15, 2010.

Neufeld K, Karunanayake C, Maenz L, Rosenberg A. Psychosocial stress as a determinant of chronic juvenile arthritis. Presented: The Pediatric Trainee Research Day Symposium, University of Saskatchewan, Saskatoon, SK, April 15, 2010.

Paur N, Town J, Zhang X, Dawicki W, Gordon JR. Effects of an ELR-CXC Chemokine Antagonist in a Model of Experimental Arthritis. Presented: Annual Meeting of the Canadian Society for Immunology, Niagara Falls, ON. April 23-25, 2010.

Rask-Andersen A, Rennie DC, Bharadwaj L, Schwartz DA, Chen Y, Dosman JA. High risk for atopic asthma in subjects with polymorphism of TLR4 and farm exposure – A gene-environment interaction. Presented: American Thoracic Society International Conference, San Diego, CA, USA. American Journal of Respiratory and Critical Care Medicine; 179: A3655, May 15-20, 2009.

Rennie DC, Senthilselvan A, Nakagawa K, Chen Y, Dosman J. Role of TLR Asp200Gly in the relationship between atopy and wheeze in children: The Humboldt studies. Presented: American Thoracic Society International Conference, San Diego, CA, USA. American Journal of Respiratory and Critical Care Medicine; 179: A5432. May 15-20, 2009.

Rennie DC, Karunanayake C, Chen Y, Pahwa P, Schwartz D, Senthilselvan A, Cockcroft D, Dosman J. The relationship between TLR4-299 variant polymorphisms and atopic wheeze in women. Presented: European Respiratory Society Annual Congress 2009, Vienna, Austria, September 12-19, 2009.

Ulmer K, Imhoff, K. Sleepless in Saskatchewan: Bringing Resources to Farm and Rural People. Presented: The Clock is Ticking for Rural America: A Behavioral Health & Safety Conference. Sioux Falls, SD, August. 4th, 2009.

Ulmer K. Sleepless in Saskatchewan: Bring Resources to Farm and Rural People. Presented: Canadian Rural Health Research Society Conference, Kingston, ON, October. 16, 2009.

Ulmer K. Sleepless in Saskatchewan. Presented: Saskatchewan Thoracic Society 2009 Professional Education Day, Saskatoon, SK, November 7, 2009.

Willson PJ, Cleave J, Town J, and Gordon, JR. Impact of Repeated Swine Barn Dust Exposure on Airway Reactivity. Presented: Eighth Conference Canadian Rural Health Research Society: Rural Life, Health, Environment – The Full Spectrum. Book of Abstracts, p.34, Kingston, ON, October 15-17, 2009.

Xie J, Town J, Huang H, Zhang X, Dawicki W, Gordon JR. IL-10-differentiated Dendritic Cell Treatment for Experimental Autoimmune Encephalomyelitis, a Model of Human Multiple Sclerosis S. Presented: Annual Meeting of the Canadian Society for Immunology, Niagara Falls, ON. April 23-25, 2010.

RESEARCH GRANTS RECEIVED:

Crossley M, O'Connell M, Morgan D. Development of a template for the delivery of a telehealth-facilitated support group for caregivers of individuals diagnosed with atypical dementias. Funded by: Canadian Centre for Health & Safety in Agriculture Knowledge Translation Grant. April 2010. \$1,200.

Dal Bello-Haas V, O'Connell M, Morgan D, Crossley M. Development and evaluation of a telehealth delivered exercise intervention for rural-dwelling individuals with dementia and their caregivers. Funded by: Ralston Brothers Medical Research Fund, College of Medicine, University of Saskatchewan. June 2009 to May 2010. \$30,000.

Forbes D, Morgan D, Strain L, Mendelsohn M. Policy, program, and practice Dialogue Summit: Rural home care's use of research evidence to inform dementia care. Funded by: Canadian Dementia Knowledge Translation Network and the Alzheimer Society of Canada, Education and Training Knowledge Translation Award. April 13, 2010-March 2011. \$19,248.

Forbes D, Gibson M, Markle-Reid M, Morgan D. Developing dementia care decisions through knowledge exchange in rural settings. Funded by: Alzheimer Society of Canada and partners (Canadian Nurses Foundation, CIHR Institute of Aging, Parkinson Society of Canada). February 2010 – January 2012. \$192,063

Forbes D, Morgan D. Evidence-informed decision-making by rural home care providers working with persons with dementia and their family caregivers. Funded by: Canadian Centre for Health & Safety in Agriculture (CCHSA) Centre for Research Development Pilot Project. January 2010 to December 2011. \$20,000.

Gordon J, Mechor B. Low Stress Cattle Handling Train-the-Trainer Workshop Series. Funded by: Canadian Agriculture Safety Association. 2009-2010. \$21,096.00.

Gordon J, Asselin J, Ulmer K. Update on the Current Canadian Farm Safety Situation: A Workshop. Funded by: Canadian Agriculture Safety Association. 2009-2010. \$15,065.

Gordon JR. ELR-CXC chemokines in CF inflammation. Canadian Cystic Fibrosis Foundation Operating Grant. 2010-2013. \$240,000.

Gordon JR. & collaborators. Update on the current Canadian Farm Safety Situation: a workshop. Canadian Agricultural Safety Association. CASHP grant. 2009-10. \$30,130.

Gordon JR. & collaborators Low stress cattle-handling train-the-trainer workshop series CASHP grant. 2009-10. \$42,340.

Halayko A, Gavami, Gordon JR. The A8/A9-RAGE Axis in Airway Inflammation, Hyperresponsiveness, and Remodeling. Canadian Institutes of Health Research Operating grant. 2010-15. \$745,000.

McBain L, Stewart N, Morgan D, Bourassa C, Cammer A. Evolution of assisted living, personal care, and long-term care facilities in Aboriginal communities. Funded by: Canadian Centre for Health & Safety in Agriculture (CCHSA) Centre for Research Development Pilot Project. February 2010 - March 2011. \$20,000.

Morgan D. Best practices in rural and remote dementia care: Moving the agenda forward- Summit of the Knowledge Network in Rural and Remote Dementia Care. Funded by: Canadian Centre for Health & Safety in Agriculture (CCHSA) Centre for Research Development (CRD) Knowledge Translation Grant. April 2010. \$10,750.

Morgan D, Stewart N, Crossley M, Forbes D, Innes A, Cammer A, M O'Connell. Caring for a family member with dementia: Identifying the support and service needs of rural family caregivers. Funded by: Canadian Centre for Health & Safety in Agriculture (CCHSA) Centre for Research Development Pilot Project. January 2010 - December 2011. \$20,000.

Pahwa P, McCrosky J. The Epidemiology of Bowel Disease in Canadian Population Based on Cross-sectional and Longitudinal Surveys. Canadian Initiative on Social Statistics - Access to Research Data Centres – SSHRC (Social Sciences and Humanities Research Council of Canada).

Rennie D, Lawson J, Gordon JR. Canadian Support for the Belarus, Ukraine, Poland Asthma Study. Global Partners Fund (University of Saskatchewan). 2010-11. \$10,000

Stewart N, Morgan D, Cammer A. Experiences of sons as caregivers of mothers and fathers with dementia: Understanding unique contributions and challenges in rural and remote areas. Funded by: Canadian Centre for Health & Safety in Agriculture (CCHSA) Centre for Research Development Pilot Project. February 2010 to March 2011. \$20,000.

CONTINUING RESEARCH GRANTS

Chilibeck P, Whiting S, Biem J, Case A, Pierson R, Olatunbosun O, Pahwa P. Effect of Combined exercise Therapy and Phytoestrogen Supplementation on Prevention of Osteoporosis. Funded by: Canadian Institutes of Health Research, March 2004-2009.

Dosman JA & Collaborators. National Agricultural Industrial Hygiene Laboratory. Funded by: Canada Foundation for Innovation 2007-12. 14.6M (CFI contribution, 5.8M).

Dosman J, Pahwa P, Rennie D, Senthilselvan A, Lawson J, Kirychuk S, Gordon J, Pitblado R, Dyck R, Jensen B, Pickett W. Saskatchewan Rural Health Study. Funded by: Canadian Institutes of Health Research (CIHR) 1.7M, 2008-2014.

Estabrooks C, Cummings G, Degner L, Dopson S, Laschinger H, Leiter M, Morgan D, Norton P, Profetto-McGrath J, Rycroft-Malone J, Smith M, Sales A. Translating Research in Elder Care (TREC). Funded by: Canadian Institutes of Health Research, Canadian Institutes of Health Research. \$4.7 million. Awarded January 2007.

Gordon JR, Cockcroft D. Research Group Development Grant. Airways Research Group. Funded by: Saskatchewan Health Research Foundation (SHRF). March 2009-March 2011. \$50,000/annum for two years.

Gordon JR, Kirychuk S, Dosman J, Morgan D, Potter A, Reeder B, Bharadwaj L, Epp T, Pahwa P, Rennie D, Singh Baljit. Public Health in the Agricultural Rural Ecosystem. Funded by: CIHR Strategic Training Initiative in Health Research. April 2009- March 2014. \$325,000/annum for six years

Gordon JR. Airways Research Group. Funded by: Saskatchewan Health Research Foundation Group Development Grant. 2009-11. \$100,000.

Gordon JR. Mechanisms mediating the effects of tolerogenic dendritic cells. Funded by: Canadian Institutes of Health Research. 2008-13, \$675,000.

Katamayzk P, Reeder B, Elliot S, Raine K, Joffres M, McLean D, Pahwa P. Understanding the Individual and Socio-Environmental Health Risks of Obesity: The Canadian Heart Health Surveys Follow-up Study. Funded by: Canadian Institutes of Health Research, 2004-2009.

Kirychuk S. Characterizing the Constituents of Dusts: Specific Emphasis on Poultry, Swine and House Dusts. Funded by: HClHR-Canadian Centre for Health and Safety in Agriculture – Centre for Research Development Grant – Pilot Project, January 2009-January 2010. \$20,000.

Kirychuk, S. Cardiovascular Disease Risk in swine confinement workers with chronic respiratory symptoms. Funded by: College of Medicine, New Faculty Start-up Funds. January 2009-January 2011. \$35,000.

Kirychuk, S. New Faculty Equipment funds. Funded by: University of Saskatchewan, VP Academic and Provost. January 31, 2009- January, 2012. \$15,000.

Koehncke N, Pahwa P. Longitudinal Analysis of Lung Function Data in a Saskatchewan Potash Mine. Funded by: BC Workers' Compensation Board. 2008-2009. \$30,000.

Janzen B, Semchuk K, Prekumar K, Backman A, Pahwa P. Technology Enhanced Learning (TEL) projects for Course Development Grant, 2009-2010. \$128,000.

Morgan D. CIHR Applied Chair in Health Services & Policy Research, Healthcare Delivery Across the Continuum for Rural and Remote Seniors with Dementia, Funded by: Canadian Institutes of Health Research in partnership with Saskatchewan Health Research Foundation. March 1, 2009 to April 30, 2014. \$925,000.

Pahwa P, Karunanayake C. Investigation of Longitudinal Patterns of Changes in Mental Health of Immigrant Women: Comparison of Missing Data Approaches in Longitudinal Data Analysis. Funded by: Canadian Initiative on Social Statistics - Access to Research Data Centres – SSHRC (Social Sciences and Humanities Research Council of Canada). 2008-2010.

AWARDS: Faculty, Students & Staff:

Lesley McBain, PhD: Dr. McBain has been appointed Adjunct Professor for a five year term in the Department of Medicine. She is an Assistant Professor at the Indigenous Studies Department, First Nations University, Northern Campus, Prince Albert, SK.

RETIREMENT:

Phyllis Snodgrass RN, BSN: Mrs. Snodgrass retired from her position with the Canadian Centre of Health and Safety in Agriculture after spending five years at the Centre. She was involved with a number of research projects including the Saskatchewan Farm Injury Project and the Saskatchewan Rural Health Study.

HIGHLIGHTS: CCHSA's future home in the U of S Academic Health Sciences Centre



March 2010



April 2010



November 2009