

Period	Project	Applicants & Investigators	Funding Sources
2023/03 – 2025/04	Enhancing wellness in our miyo wāskahikan	Principal Applicant(s): Dr. Shelley Kirychuk, Dr. Wanda Martin, Dr. Kerry McPhedran, Dr. Lori Bradford Co-applicant(s): Dr. Diane Campbell, Dr. Terry Fonstad, Dr. Jafar Solton, Dr. Vivian Ramsden, Dr. Punam Pahwa, Dr. Chandima Karunanayake, Dr. James Dosman, Dr. Sylvia Abonyi	SHRF Impact Solutions - \$150,000
2023/04 – 2024/04	Thriving in our Miyo Wāskahikan	Principal Applicant(s): Dr. Shelley Kirychuk Co-applicant(s): Dr. Wanda Martin, Dr. Kerry McPhedran, Dr. Lori Bradford, Dr. Lalita Bharadwaj, Dr. Vivian Ramsden, Dr. Punam Pahwa, Dr. Chandima Karunanayake, Dr. James Dosman, Larry Burgess	SHRF Connections Truth and Action Grant - \$10,000
2022/03 – 2024/04	Kisêwâtisiwin for the Home	Principal Applicant(s): Dr. Wanda Martin, Dr. Shelley Kirychuk, Dr. Kerry McPhedran Co-applicant(s): Dr. Lori Bradford, Dr. Jafar Solton	SSHRC - \$10,000
2022/03 – 2023/04	Kisêwâtisiwin for the Home	Principal Applicant(s): Dr. Wanda Martin, Dr. Shelley Kirychuk, Dr. Kerry McPhedran Co-applicant(s): Dr. Lori Bradford, Dr. Jafar Solton	SHRF Research Connections - \$10,000
2022/03 – 2027/04	Assess, Redress, Reassess: Addressing disparities in House, Home, and Mental Health Among First Nations People	Principal Applicant(s): Dr. James Dosman, Dr. Punam Pahwa, Dr. Shelley Kirychuk, Dr. Malcolm King, Dr. Marilyn Beatz, Dr. Sylvia Abonyi, Jeremy Seesequasis, Mike Delano, Carol Naytowhow, Marie Neubuhr, Warren Seesequasis Co-applicant(s): Dr. Mark Fenton, Dr. Niels Koehncke, Dr. Vivian Ramsden, Dr. Bonnie Janzen, Dr. Josh Lawson,	CIHR - \$1,399,950

		Dr. Chandima Karunanayake, Kathleen McMullin,	
2022/01 – 2023/04	mamawohkamatowin: working together to understand the house and COVID-19 in a Saskatchewan First Nation Community	Principal Applicant: Shelley Kirychuk, Vivian Ramsden, Norma Rabbitskin, Chandima Karunanayake	CIHR – \$272,415
2021/01- 2024/03	Development of Green and Sustainable Processes for Surface Decontamination of Shell Eggs	Principal Applicant: Lifeng Zhang Co-applicant: Shelley Kirychuk, Karen Schwean-Lardner	Ministry of Agriculture, Agricultural Development Fund – \$260,000
2021/01- 2023/03	Recovery of Viruses during common ventilation practices	Principal Applicant: Shelley Kirychuk Co-Applicant: David Schneberger, Carey Simonson, Jafar Soltan, Caroline Duchaine	University of Saskatchewan, ComRAD Program, total Funding - \$29,811
2020/08 – 2022/03	Development of Chemical-free Egg Shell Surface Decontamination Methods Through Electro Nano-spray	Principal Applicant: Lifeng Zhang Co-applicant: Shelley Kirychuk, Karen Schwean-Lardner	NSERC Alliance Grant - \$49,500

2020/08-2022/12	COVID-19 Grants Program: Development of air sanitization unit to inactivate pathogens (e.g. COVID-19 virus) using catalytic reaction with ozone	Principal Applicant: Jafar Soltan Co-applicant: Shelley Kirychuk, Carey Simonson Collaborator: Yan Zhou, Julian Tam	NSERC Alliance Grants – \$50,000
2020/08-2022/12	Study of pathogen transfer through membranes for energy exchangers to reduce airborne transmission of COVID-19 in buildings	Principal Applicant: Carey Simonson Co-applicant: Shelley Kirychuk, Jafar Soltan Collaborator: Yan Zhou, Julian Tam	NSERC Alliance Grants – \$50,000
2020/07-2021/04	Optimizing Ventilation Parameters in Order to Test Ventilation as a Population-Level Protection Measure in Controlling Airborne Viruses	Principal Applicant: Shelley Kirychuk Carey Simonson, Jafar Soltan Co-applicant: David Schneberger, Yan Zhou, Juan Ianowski, Julian Tam, Gurubalan Annadurai	2020 Rapid Response OVDR RRC Covid-19 – \$10,000
2020/02 – 2024/03	Titre de la demande: Antimicrobial resistance genes in bioaerosols in Canadian arctic, rural, and urban environments: sources, profiles, transport and fate	Principal Applicant: Caroline Duchaine Co-applicant: Shelley Kirychuk, Allison McGeer, Brenda Coleman, Ed Topp, Jacques Corbeil, Marie-Lou Gaucher, Michel Bergeron, Scott McEwen, Thierry Badard, Stephane Goodbout Collaborator: Anne-Marie Delort, Maosheng Yao, Maurice Boissinot, Patrick. O'Shaughnessy, Pierre Amato, Richard Reid-Smith;	NSERC Discovery Frontiers – \$4,038,500
2020/01 – 2022/04	Effects of low elevations CO2 on lung Infection and inflammation	Principal Applicant: Shelley Kirychuk Co-applicant: David Schneberger, Carey Simonson, Yan Zhou	Respiratory Research Centre Team Building Grant - \$24,918

2020/01 – 2022/04	One of these things is not like the other: Unraveling the sex differential inflammatory response to airborne agricultural exposures	Principal Applicant: Shelley Kirychuk Co-applicant: David Schneberger Collaborators: Todd Wyatt, Baljit Singh, Gurpreet Aulakh	University of Saskatchewan, ComRAD Program, total Funding - \$29,870
2020/01 – 2022/01	The Anti-Inflammatory potential of Nature Immuno on Inflammation induced by LPS	Principal Applicant: Shelley Kirychuk and Amanda Nascimento	MITACS Elevate – \$60,000
2018/12 – 2019/07	The effects of Resp-Aid on Asthma	Principal Applicant: Shelley Kirychuk and Amanda Nascimento	MITACS Accelerate – \$30,000
2018/03 – 2020/02	Mould as a respiratory risk factor for rural populations	Principal Applicant: Shelley Kirychuk Co-applicant: Joshua Lawson, Vivian Ramsden, George Katselis	SHRF Collaborative Innovation Development Grant – \$50,000
2018/06 – 2019/12	Air Quality and Respiratory Health in Saskatchewan: the influence of PM2.5	Principal Applicant: Shelley Kirychuk Co-applicant: John Gordon, Joshua Lawson, Donna Rennie, Chandima Karunanayake, Niels Koehncke	SHRF Ideas that Inspire Grant – \$25,000

2017/12 – 2021/05	Dust Removal and Microbial Deactivation for Improving Air Quality in Livestock Barns	Principal Applicant: Lifeng Zhang Co-applicant: Shelley Kirychuk, Huiqing Guo, Bernardo Predicala, Myra Martel	Ministry of Agriculture, Agricultural Development Fund – \$189,000
2017/05 – 2019/05	Unravelling Respiratory Inflammation from Co-exposures in Agricultural Production	Principal Applicant: Shelley Kirychuk	Office of the Vice-President Research, President’s NSERC – \$10,000
2017/03 – 2018/02	Mamawohkamatowin (Working Together) - Enhancing Health & Wellness	Principal Applicant: Vivian Ramsden Co-applicant: Shelley Kirychuk, Sylvia Abonyi, James Dosman, Mark Fenton, Holly Graham-Marrs, Chandima Karunanayake	CIHR Catalyst Grant – \$150,000
2017/03 – 2018/08	Dust Exposure Reduction for Workers: Airborne Dust Removal in Poultry Houses by Electrostatic Space Charge System (ESCS)	Principal Applicant: Lifeng Zhang Co-applicant: Huiqing Guo, Shelley Kirychuk,	SHRF Collaborative Innovation Development Grant – \$47,000
2016/12 – 2021/12	Research Opportunities Presented by the Beef Cattle Research a Teaching Unit	Principal Applicant: Terry Fonstad, Richard Farrell Co-applicant: J Diane Knight, Jeff Schoenau, Huiqing Guo, Shelley Kirychuk	Ministry of Agriculture, Agricultural Development Fund – \$418,000

2014/12 - 2019/12	Canadian Agrisafety Applied Research Program	Principal Applicant: James Dosman; Co-investigator : Caroline Duchaine; James Wasserman; Shelley Kirychuk; Co-applicant : Bernardo Predicala; Stephane Lemay;	Agriculture and Agri-Food Canada Agro innovation Industry-led R and D; Total Funding - \$1,080,216; Portion of Funding Received - \$996,552
2016/6 - 2017/10	Effect of low dose carbon dioxide and ammonia on barn dust induced lung inflammation	Principal Applicant: Shelley Kirychuk Co-investigator: David Schneberger	University of Saskatchewan, ComRAD Program, total Funding - \$21,489
2015/5 - 2017/5	Barn Dust Exposure and Lung Inflammation in Animals and Workers - the role of lung surfactant	Principal Applicant: Shelley Kirychuk; Co-applicant: Baljit Singh; Joyce Wilson; Co-investigator: David Scheberger	University of Saskatchewan One Health Development Program, total Funding - \$20,000
2011/10 - 2016/9	Assess, Redress, Re-assess: Addressing Disparities in Respiratory Health Among First Nations People	Co-investigator : Shelley Kirychuk; Principal Investigator : Dosman J, Abonyi S, Episkenew, J, and Pahwa P	CIHR Operating Grant, total Funding - \$1,592,521
2015/5 - 2016/5	An Investigation of personal exposure monitoring and environmental exposures in relation to rural areas and asthma among children	Co-applicant : George Katselis; Shelley Kirychuk; Co-investigator : Donna Rennie; Principal Applicant : Joshua Lawson	SHRF CID program, total Funding - \$80,000
2014/7 - 2015/6	Reducing Pathogen Distribution from Animal Transportation	Co-applicant : Shelley Kirychuk; Trevor Crowe; Principal Applicant : Bernardo Predicala	Saskatchewan Ministry of Agriculture; Agriculture Development Fund, total Funding - \$142,208

2009/4 - 2015/3	Public Health and the Agricultural Rural Ecosystem Traininig Program	Principal Investigator : Gordon, John (co-PA with S. Kirychuk)	Canadian Institutes of Health Research (CIHR) Strategic Training Initiative in Health Research, total Funding - 1,950,000
2014/6 - 2015/6	The Built Environment and First Nations Health: Addressing & Redressing the Issues. Establishing a Blueprint for Canada	Co-applicant : James Dosman; Jo- Anne Episkenew; Niels Koehncke; Punam Pahwa; Sylvia Abonyi; Principal Applicant : Shelley Kirychuk	Canadian Institutes of Health Research (CIHR) Planning and Dissemination Grant, total Funding - 11,000
2010/10 - 2014/8	Respiratory Disease in Workers new to the Saskatchewan Swine Production Industry	Principal Investigator : Shelley Kirychuk	Saskatchewan Health Research Foundation (SHRF) (formerly Health Services Utilization and Research (HSURC)); New Investigator Establishment Grant, total Funding - 80,000; New Investigator Equipment Grant; Total Funding - 30,000
2014/1 - 2014/5	Evaluation of Risk of Hydrogen Sulphide Exposure to Intensive Livestock Workers	Principal Applicant : Catherine Trask; Shelley Kirychuk	Saskatchewan Ministry of Labour Relations and Workplace Safety, Occupational Health and Safety Third Party grant program, total Funding - 24,000
2011/4 - 2014/3	Airways Research Group: Air Pollution and Respiratory Health in Seniors in Saskatchewan	Co-applicant : Shelley Kirychuk; Principal Investigator : Drs. J. Gordon and D. Cockroft	Saskatchewan Health Research Foundation (SHRF) (formerly Health Services Utilization and Research (HSURC)) Team Grant - Phase II; Total Funding - 300,000

2012/8 - 2013/7	Using the "Omic Sciences" to Understand Respiratory Health Changes in Swine Workers	Co-applicant : Ambikaipakan Senthilselvan; Catherine Laprise; James Dosman; Principal Applicant : Shelley Kirychuk	University of Saskatchewan Department of Medicine 1st Junior Faculty Grant Competition, total Funding - 10,000
2012/7 - 2013/6	Needs Assessment for a TB and human immunodeficiency virus/acquired immunodeficiency syndrome (HIV/AIDS) co-infection control program in Saskatchewan	Co-applicant : Abayomi Olaniyi; Heather Ward; Principal Applicant : Shelley Kirychuk	University of Saskatchewan Department of Medicine Research Fund; Total Funding - 12,860
2011/9 - 2012/8	Bioaerosol exposures and models of human responses in dairies and cattle feedlots	Co-investigator : Shelley Kirychuk; Principal Investigator : Reynolds, Stephen	National Institute for Occupational Safety & Health Operating Grant - HICAS Agricultural Center; Total Funding - 226,925
2009/1 - 2011/7	Characterizing the constituents of dusts: Specific emphasis on poultry, swine and house Dusts	Principal Investigator : Shelley Kirychuk and John Gordon	University of Saskatchewan, CCHSA CIHR Research Development Grant - Pilot Project, Total Funding - 20,000
2009/1 - 2011/7	Cardiovascular disease risk in swine confinement workers with chronic respiratory symptoms	Principal Investigator : Shelley Kirychuk	University of Saskatchewan, CCHSA CIHR Research Development Grant - Pilot Project; Total Funding - 20,000 University of Saskatchewan, Tri-council Bridge Funding program; Total Funding - 10,000

2009/12 - 2010/11	Biological characterization of the bioactive constituents in organic dusts from animal confinement facilities		Canadian Institutes of Health Research (CIHR), Centre for Research Development: CCHSA Pilot Grant funding; Total Funding - 20,000
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