

NEWSLETTER FOR THE CANADIAN CENTRE FOR HEALTH AND SAFETY IN AGRICULTURE

FEBRUARY 15, 2023

EDITION #2

# BOOTS on the ground



UNIVERSITY OF SASKATCHEWAN

Canadian Centre for Health  
and Safety in Agriculture

[CCHSA-CCSSMA.USASK.CA](http://CCHSA-CCSSMA.USASK.CA)



## **CCHSA - WHO WE ARE?**

*INTERESTED IN THE PAST YEARS' ACTIVITIES AT THE CCHSA?  
CHECK OUT OUR ANNUAL REPORTS AT  
[CCHSA-CCSSMA.USASK.CA](http://CCHSA-CCSSMA.USASK.CA)*

The CCHSA is an embodiment of research to action in the health and safety of rural and agricultural populations.

### **Our Mission**

Development and dissemination of research, services, resources, and knowledge for the health and safety of rural and agricultural populations and professionals.

### **Our Strategy**

We are a developer, collaborator, source, connector, and catalyst to advance research, knowledge translation, extension, and service in the health and safety of rural and agricultural populations.



**WELCOME!**

# CCHSA

- *Opeyemi Vincent Akinluyi is a new MSc student in the MHE Lab (started in September 2022). Vincent has a physiotherapist background, and his research will focus on in-field posture measurement of farmers.*
- *Afua Boakyewaah Appiah is an incoming PhD student in the Musculoskeletal Health and Ergonomics Lab (starting May 2023). Afua received the Health Sciences Graduate Scholarship.*
- *Lauryn Campbell is a new research assistant in the Musculoskeletal Health and Ergonomics Lab. Lauryn received her Engineering degree from the University of Ottawa, and she is working on the ongoing shoulder pain and time since injury project.*
- *Annaka Chornyeko is a first year MD student who will be starting a Dean's Project this summer.*
- *Davidson Fadare is a new research assistant working on the SHRF shoulder pain study and CoMRAD in-field validation study.*

TO

WELCOME

- *Vivian Heinrichs is a first year MD student who will be starting a Dean's Project this summer.*
- *Jackson Lordall is a new research assistant working on the SHRF shoulder pain study and CoMRAD in-field validation study.*
- *Sheila Naytowhow is a new Research Assistant supporting research projects and outreach in Saskatchewan First Nation Communities, Supervisor: Dr. Shelley Kirychuk.*
- *Charly Nolting, Industrial Hygiene Technician, Supervisor: Dr. Shelley Kirychuk.*
- *Katie Thompson, Graphic Designer & Website Development, Supervisor: Dr. Shelley Kirychuk.*
- *Alejandra Castillo Toro, is a MSc Student working on Dispersion of antimicrobial resistance genes in bioaerosols from animal confinement facilities. Supervisor: Dr. Shelley Kirychuk.*
- *Alexander Waslen, is a MD student who completed a Dean's Project last summer and will continue in the MHE Lab this summer. Alex was recently awarded a Letter of Excellence from the Office of the Vice-Dean Research. Congratulations!*

- *Darla Walz, BSW, RSW, BScN, RN. Darla started as the RRMC Clinic Nurse in December. Darla adds her strong clinical experience to the team, as well as her compassion for patients and their families. Darla's nursing experience includes working with geriatric populations, in Home Care, and with Public Health in both Saskatchewan and Alberta. Darla has also worked as a health educator for chronic disease management, and is a registered Social Worker as well as a registered nurse. Darla's excellent collaboration skills for working within an interprofessional team are well suited to the RRMC team.*



*Darla lives in a rural community, with a home-base in Saskatoon for the days when she's in clinic. In her personal time, she enjoys traveling, and has so far visited one third of the world's countries. Darla was drawn to working as part of the RRMC team by the need she sees for dementia care in rural and remote areas of the province, and by her own experiences with her grandmother who had Alzheimer's Disease.*



**SERVICE &  
EXTENSION**

# DISCOVERY DAYS

What are they?



Hi, I'M TODD! I COME ALONG TO ALL THE NETWORK'S DISCOVERY DAYS PRESENTATIONS AT YOUR SCHOOLS. I LOVE TO SHARE FARM SAFETY TIPS WITH THE CHILDREN AND TO REMIND THEM THAT SAFETY IS AN EVERYDAY TASK. CANNOT WAIT UNTIL WE MEET AGAIN!

Agriculture continues to be a hazardous occupation. The farm is usually the home and the workplace. Raising awareness among Saskatchewan farm children of hazards on the farm and how to recognize and avoid risks is the goal of the Network's Agricultural Safety Discovery Days. The Discovery Days program is tailored for children in grades 4-6 in rural Saskatchewan.

## CHEMICAL LOOK-ALIKE



### Upcoming Discovery Days Presentations:

February 3rd, 2023:

- Balgonie School, RM of Edenwold No. 158, Division 2.

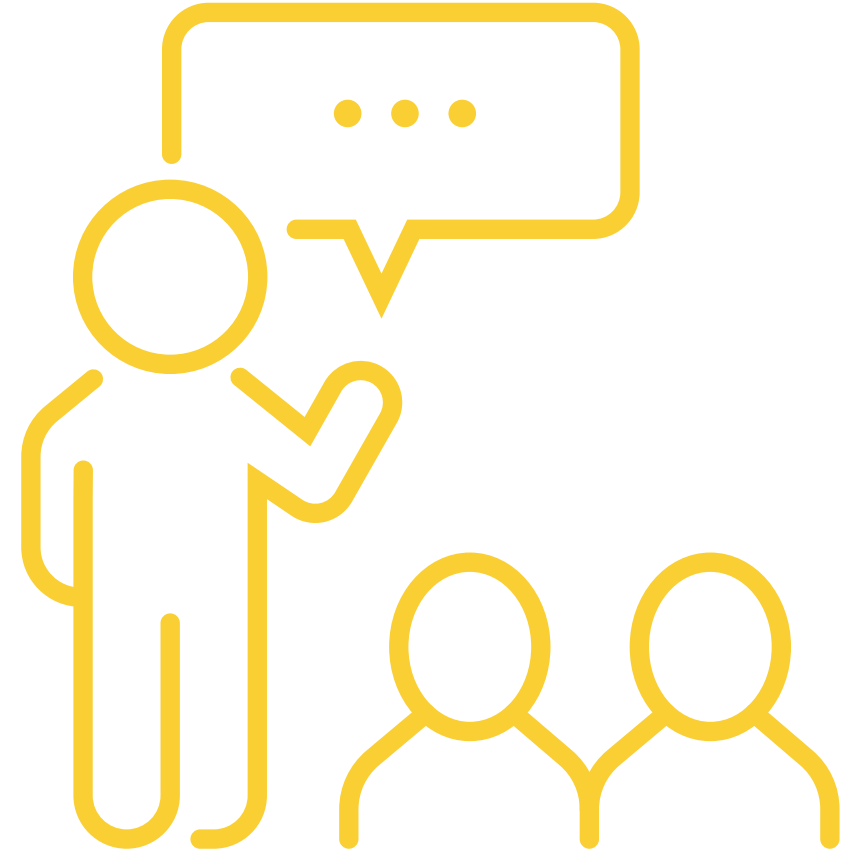
February 10th, 2023:

- Borden School, RM of Great Bend No. 405, Division 6.



# DEMONSTRATION DISPLAYS

## GRAIN SAFETY



During each event, children are guided through fun and interactive farm health and safety activities. These activities include, but are not limited to, animal safety, chemical safety, hazard identification, grain safety, and machinery safety. To learn more about Discovery Days in the classroom watch video below:



## HELMET SAFETY



## **RURAL AND REMOTE MEMORY CLINIC (RRMC)**

**Administrative Director:** Dr. Debra Morgan

**Neurologist:** Dr. Andrew Kirk

**Clinical Director:** Dr. Megan O'Connell

**Staff in Psychology:** Dr. Ivan Panyavin

**Clinic Nurse:** Darla Walz

**Psychometrist:** Duane Minish

**Physiotherapist:** Julie Jensen

**Physiotherapist:** Jennifer Fairbairn

Due to COVID-19, the specialist Rural and Remote Memory Clinic (RRMC) adapted our method of providing services to the community by remotely delivering clinical services and interventions. Patients and family members meet with our interdisciplinary team virtually, using secure web conferencing, or teleconferencing, depending on the technology available to them in their home. The clinic adapted its referral process for health care practitioners as well to better meet their needs during this time. The RRMC has recently returned to in-person appointments while maintaining virtual appointments as an option for team follow-up visits as appropriate.

The RaDAR team implemented the specialist RRMC in 2004, to provide diagnosis and management of atypical and complex cases of suspected dementia. The one-stop interdisciplinary clinic streamlines the assessment process by coordinating a complete team assessment on one day, and uses Telehealth videoconferencing for follow-up appointments. The RRMC was started as a research project and now receives funding from the Saskatchewan Ministry of Health to provide clinical services to Saskatchewan residents. Since 2004 over 850 patients have been seen in the clinic.

## **RURAL DEMENTIA ACTION RESEARCH - RaDAR Team**

*The RaDAR research program is led by Dr. Debra Morgan and guided by The Knowledge Network in Rural and Remote Dementia Care. The Network includes front-line health care providers and managers, people living with dementia and family members, health region representatives, international researchers, and individuals from governmental and community-based organizations.*

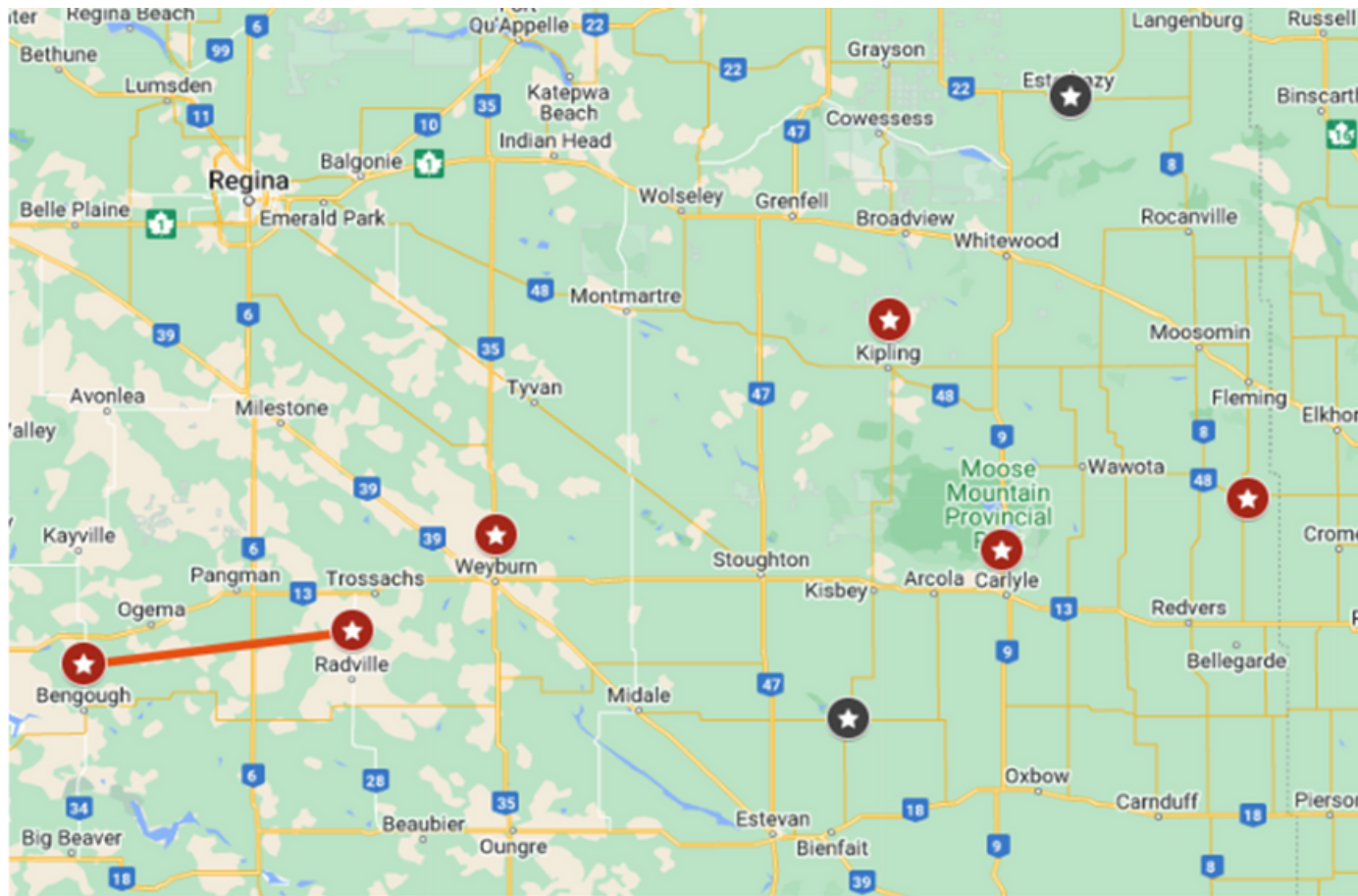
The Network meets at the annual (1) Rural Dementia Care Summit, the RaDAR team's key knowledge exchange event, where Network members provide input into new and ongoing research projects.

### **RaDAR PRIMARY CARE MEMORY CLINICS**

RaDAR primary care memory clinics are an ongoing collaboration between Saskatchewan Health Authority primary health care teams and the (2) Rural Dementia Action Research (RaDAR) Team. Held in rural southeast Saskatchewan communities, local one-day memory clinics are intended to reduce travel and wait times for specialist appointments, providing coordinated care and support for patients and families.

Memory clinics are held every 1-2 months or as needed by each primary health care team as part of their regular services in the communities of Kipling, Weyburn, Rural West (Bengough and Radville), Carlyle, and Maryfield. Specialist support for health professionals and remotely-delivered interventions for patients and families are offered through the specialist (3) Rural and Remote Memory Clinic at the University of Saskatchewan, which is part of the RaDAR program and provides ongoing clinical and research services.

Lampman and Esterhazy primary health care teams are the latest to join the RaDAR program. The teams will hold their first memory clinics after receiving orientation and training this spring. Training related to dementia assessment and management will be provided by Dr. Dallas Seitz using the (4) Primary Care Dementia Assessment and Treatment Algorithm (PC-DATA) developed by Dr. Seitz based on Canadian guidelines. Funding to support involvement of the Esterhazy team is provided by a grant to Dr. Debra Morgan from the (5) Dementia Supports in Rural Saskatchewan study (Project Lead Dr. Bonnie Jeffery).



*RaDAR Memory Clinic locations*

*The RaDAR team continues to collaborate with health professionals and the Saskatchewan Health Authority to establish additional memory clinic sites in the province.*

- (1) <https://cchsa-ccssma.usask.ca/ruraldementiacare/summit/previous-summits.php>
- (2) [https://cchsa-ccssma.usask.ca/ruraldementiacare/PHC\\_Clinics.php](https://cchsa-ccssma.usask.ca/ruraldementiacare/PHC_Clinics.php)
- (3) <https://cchsa-ccssma.usask.ca/ruraldementiacare/Rural%20Remote%20Memory%20Clinic.php#ObjectivesandGoals>
- (4) <https://dementiahub.net/pcdata-course/>
- (5) <https://www.ruraldementiask.ca>

# SIGN UP FOR THE RaDAR NEWSLETTER!

UNIVERSITY OF SASKATCHEWAN

January 2023 Newsletter

# RaDAR

RURAL DEMENTIA ACTION RESEARCH

## The Annual Summit of the Knowledge Network in Rural and Remote Dementia Care

Summit Online 2022 held November 22<sup>nd</sup>/23<sup>rd</sup>

The RaDAR research program is guided by The Knowledge Network in Rural and Remote Dementia Care. The Network includes front-line health care providers and managers, people living with dementia and family members, health region representatives, international researchers, and individuals from governmental and community-based organizations. The Network meets at the annual Rural Dementia Care Summit, the RaDAR team's key knowledge exchange event, where Network members provide input into new and ongoing research projects.

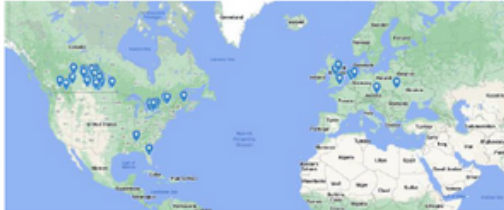
**In November, the RaDAR team hosted the 15<sup>th</sup> annual Summit and the third to be held in a virtual format!** One hundred thirty-two attendees logged in to attend the two-day event that included an evening poster session and both live and pre-recorded presentations on a variety of topics from a diverse group of presenters.

**Dr. Nicole Ruggiano, PhD, MSW.** Professor and Associate Dean of Research with the University of Alabama School of Social Work joined Summit as keynote presenter. Dr. Ruggiano presented on *Advancing Evidence-based Technologies to Support Dementia Care and Caregiving: Challenges, Opportunities, and Directions Forward.*

More about Summit 2022, and an archive of posters and presentations can be found on the RaDAR website Summit page, under the [Previous Summits](#) tab.

### Rural Dementia Action Research (RaDAR) Team

**Dr. Debra Morgan, CCHSA Professor and Chair in Rural Health Delivery,** has been leading the interdisciplinary RaDAR team since 2003. The team's goal is to improve dementia care in rural/remote settings.




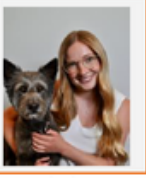

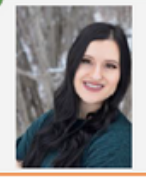


Summit Online 2022 Map of Attendees from across the globe

### Bilokreli Family Trust Fund

The RaDAR team is the recipient of funding to support Summit and the team's activities, generously provided by the Bilokreli family. The family has an interest in supporting rural dementia research in the province, and we are pleased to offer student poster prizes in their name to student trainees working in the field.

**Summit 2022 Bilokreli Student poster prizes were awarded to:**

  <b>1st Place:</b> Erin Leeder	  <b>2nd Place:</b> Megan Flath	  <b>3rd Place:</b> Melissa Brausse
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Thank you to the Bilokreli Family for their support

1

Current and previous editions are available here  
<http://www.ruraldementiacare.usask.ca>

Please contact Valerie Elliot to join our mailing list!  
[v.elliott@usask.ca](mailto:v.elliott@usask.ca)

# **Agricultural Health and Safety Network Activities & Program Delivery**

## **AHSN Resources:**

**<https://cchsa-ccssma.usask.ca/aghealth/resources/resources-by-theme.php>**

**Contact us by email at: [aghealthandsafety@usask.ca](mailto:aghealthandsafety@usask.ca)**

# AHSN ACTIVITIES

## Crop Production Show :

January 9-12, 2023, Saskatoon  
The Agricultural Health and Safety Network and the Canadian Agricultural Safety Association (CASA) shared a booth at the Crop Production Show.



Kendra Ulmer (Network) & Robin Anderson (CASA)



Shelly Sander & Joan Ulmer (Network)

## Hearing Loss Prevention Clinics:

- January 19th, RM of LeRoy No. 339
- January 24th & 25th, RM of Birch Hills No. 460



## In the Know Workshop:

- February 23, 2023
- March 9, 2023

This workshop focuses on identifying the signs and symptoms of those in distress, instill confidence to start a conversation about mental health and, provide ways to support mental health for those in the agriculture industry.

**IN THE KNOW**  
Mental Health Literacy  
**WORKSHOP**

Dates: February 23, 2023  
March 9, 2023  
Time: 9:30 am - 2:30 pm

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Canadian Centre for Health and Safety in Agriculture  
CCSA-CCSSMA.USASK.CA

Logo: RURAL OUTREACH INJURY PREVENTION FARM FAMILIES HEALTH PROMOTION AGRICULTURAL WORKER BUILDING PARTNERSHIPS KNOWLEDGE TRANSLATION NETWORK

IMPROVING KNOWLEDGE OF MENTAL HEALTH ■ REDUCING STIGMA IN RURAL COMMUNITIES



# THE AGRICULTURAL HEALTH AND SAFETY NETWORK

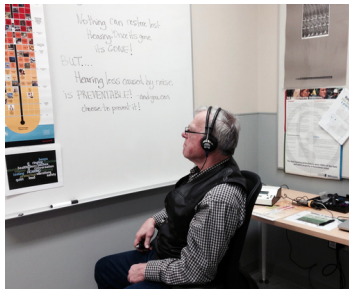
aghealth.usask.ca

## JOIN US FOR OUR ANNUAL GENERAL MEETING!

**WHEN: WEDNESDAY MARCH 15 FROM 8:00 TO 9:00 AM**

**WHERE: MEETING ROOM A1, HALL A, PRAIRIELAND PARK**

Come find out what we have been up to this last year



Stay for the breakfast buffet!



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Canadian Centre for Health and Safety in Agriculture  
CCHSA-CCSSMA.USASK.CA



## ANNIVERSARY

*35 years of delivering and educating our agricultural populations in health and safety. The Network wouldn't be what it is today if it wasn't for our great partnership with the Saskatchewan Association of Rural Municipalities and the people who live in rural municipalities.*





Research

**Research**

# MOBILIZING RURAL, REMOTE AND URBAN PATIENT PERSPECTIVES TO ENHANCE ACCESS TO CHRONIC BACK PAIN CARE

Little is known about barriers and facilitators to health care access among rural, remote and Indigenous people with back pain compared to urban and/or non-Indigenous people. With approximately 30% of Saskatchewan's population living in rural and remote settings and 16% of the province's population being Indigenous, this is a critical gap to address.

The main goal of this project CIHR funded project led by CCHSA faculty, Dr. Brenna Bath, is to explore and apply the experiences of rural, remote and urban Indigenous and non-Indigenous people with chronic back pain to develop a deeper understanding of health care access barriers and facilitators across rural, remote, and urban communities.

**WEBSITE LINK:** <https://cchsa-ccssma.usask.ca/mhac/index.php>

**LINK TO THE RESEARCH:** <https://cchsa-ccssma.usask.ca/mhac/documents/mobilizing-rural-remote-and-urban.pdf>

## Free Virtual Event Access to Low Back Pain Care: The Saskatchewan Landscape

**Date and Time:**  
Thursday Feb 9th  
6:30-8:30PM CST

**\*open to anyone interested**

## Research Presentations & Interactive World Café

[Register Here](#)

Summary of findings from interviews with over 40 people with chronic low back pain and health care providers as well as a survey of nearly 400 Saskatchewan residents with chronic low back pain. Following will be an interactive World Café facilitated discussion. Come learn, share, and engage!

For more information about our research project, please check out our [website](#) or email [back.research@usask.ca](mailto:back.research@usask.ca)

## GRANT FUNDING:

- Kirychuk S (PI), Martin W, Bradford L, McPhedran K, Bharadwaj L, Ramsden V, Burgess L Karunanayake C, Pahwa P, Dosman J. Thriving in our Miyo Wāskahikan. SHRF. Truth and Action Research Connections Grant. \$10,000. (January 2023 to December 2023).
- Kahan T, Kirychuk S, Burgess I. Guiding Public Health Policies in Indigenous Communities Through the Development of Analytical Tools to Assess Molecular-level Interactions between Environmental Tobacco Smoke and Mold. University of Saskatchewan. Living Skies Post-Doctoral Fellows Funding. \$120,000. (January 2023 to April 2024).
- Katselis G. Applications of Proteomics to Study Vibration-related Micro-Concussions, \$29960 (CAD). College of Medicine Research Award, College of Medicine, University of Saskatchewan. (January 2023 – April 2024).
- Katselis G, Greenfield T. Investigating food management strategies in Early Dynastic Southern Mesopotamia using zooarchaeological proteomics, 7000 (CAD). SSHRC Explore Grant, SSHRC Institutional Grants. (July 2022 – December 2024).
- Katselis G, Taylor-Gjevre R, King A, Simko E, Bracamonte J, Koziy R, Chumala P. Targeted Proteomics to validate One Health Links in Septic Arthritis, 15000 (CAD). Department of Medicine, University of Saskatchewan. (May 2022 – April 2023).
- Katselis G. Agilent Technologies Inc – High-sensitivity analysis of post-translational modifications with electron capture dissociation, 112500 (CAD). International Industrial Grant, Agilent-University Relationships Research, Agilent Technologies Incorporated. (April 2022 – December 2023).
- Raina, P. (PI) & Co-PIs Wolfson, C., Kirkland, S., Balion, CM., Griffith, L., Liu-Ambrose, T., Smith, E., Surette, M., & Co-Is Hogan, D., Menec, V., Taler, V., Bartha, R., Duchesne, S., Noseworthy, M., Hoge, R., Descoteaux, M., MacKay, A., Tam, R., Lim, A., Beauchamp, M., McIlroy, W., O'Connell, M. E., Thompson, M., Wu, C., McNicholas, P., Corbeil, J., Cossette, B., Costa, A. CLSA Healthy Brains, Healthy Aging Initiative. Weston Family Foundation Funding. 2021-2028. \$12,240,322.

## PUBLICATIONS

- Bacsu J., O'Connell, M.E., Cammer, A., Ahmadi, S., Berger, C., Azizi, M., Gowda-Sookochoff, R., Grewal, K.S., Green, S., Knight, S., Spiteri, R.J. (2022). Examining the evolving COVID-19 impact on people with dementia from the perspective of family and friends. *JMIR Aging*, 5(2), e38363. <https://doi.org/10.2196/38363>.
- Bacsu, J. D. R., O'Connell, M. E., & Wighton, M. B. (2022). Improving the health equity and the human rights of Canadians with dementia through a social determinants approach: a call to action in the COVID-19 pandemic. *Canadian Journal of Public Health*, 113(2), 204-208. <https://doi.org/10.17269/s41997-022-00618-8>
- Baustista M, Katselis G, Chowdhuri B, Chumala P, Mahendra R, Desai P, Kalyaanamoorthy S, Krishnan A. (2022). Comparative proteomics analysis of growth-primed adult dorsal root ganglia reveals key molecular mediators for peripheral nerve regeneration. *eNeuro*, 10(1):1-15. <https://doi.org/10.1523/ENEURO.0168-22.2022>.
- Crockett K\*, Lovo S, Irvine A\*, Trask C, Oosman S, McKinney V, McDonald T, Sari N, Carnegie B, Custer M, McIntosh S, Bath B. Experiences of health care access challenges for back pain care across the rural-urban continuum: A protocol paper. *Journal of Medical Internet Research (JMIR) Research Protocols*. 11:12. <https://www.researchprotocols.org/2022/12/e42484>.
- Koziy RV, Bracamonte JL, Yoshimura S, Chumala P, Simko E, Katselis GS. (2022). Discovery proteomics for the detection of markers for eradication of infection in an experimental model of equine septic arthritis using LC-MS/MS. *Journal of Proteomics*, 261:104571.
- Lin A, Chumala P, Du Y, Ma C, Wei T, Xu X, Luo Y, Katselis GS, Xiao W. (2022). Transcriptional activation of budding yeast DDI2/3 through chemical modifications of Fzfl. *Cell Biology and Toxicology*, 1-17. doi: 10.1007/s10565-022-09745.
- Nabeta R, Katselis GS, Chumala P, Dickinson R, Fernandez NJ, Meachem MD. (2022). Identification of Potential Plasma Protein Biomarkers for Feline Pancreatic Carcinoma by Liquid Chromatography Tandem Mass Spectrometry. *Veterinary and Comparative Oncology*, 20(3):720-731.
- Quan, S., Menec, V., O'Connell, M., Cloutier, D., Newall, N., Tate, R., & St. John, P. (2022). Prevalence of obesity and elevated body mass index along a progression of rurality: A cross-sectional study – The Canadian

Longitudinal Study on Aging. Canadian Journal of Rural Medicine, 27(4), 148-157.

[https://doi.org/10.4103/cjrm.cjrm\\_55\\_21](https://doi.org/10.4103/cjrm.cjrm_55_21)

- Stoliker, B. E., Kerodal, A. G., Jewell, L. M., Brown, K., Kent-Wilkinson, A., Peacock, S., O'Connell, M. E., & Wormith, J. S. (2022). Older people in custody in a forensic psychiatric facility, prevalence of dementia, and community reintegration needs: An exploratory analysis. *Health and Justice*, 10(3), 1-11.  
<https://doi.org/10.1186/s40352-022-00168-8>
- Vonk, J. M. J., Gross, A. L., Zammit, A. R., Bertola, L., Avila., J., Jutten, R., Gaynor, L., Suemoto, C., Kobayashi, L. C., O'Connell., M. E., Elugbadebo, O., Amofsa Sr, P. A., Staffaroni, A., Arce Reteria, M., Turney, I. C., Jones, R. N., Manly, J. L., Lee, J., & Zahodne, L. B. (2022). Cross-national harmonization of cognitive measures across the HRS HCAP (USA) and LASI-DAD (India). *PLOS ONE*. doi:10.1371/journal.pone.0264166

## REPORTS

- Kosteniuk, J., Morgan, D., Froehlich Chow, A. and Bayly, M. Rural Memory Clinics: 2022 Update. (2022). [report]. Printed at the University of Saskatchewan, Saskatoon, SK, Canada. (10 pages) Available at: <https://cchsa-ccssma.usask.ca/ruraldementiacare/publications/2022-dec-radar-memory-clinics-report.pdf>

## PRESENTATIONS

- Arsenault-Lapierre G, Godard-Sebillotte C, Bui T, Sourial N, Quesnel-Vallée A, Massamba V, Rochette L, Sirois C, Morgan D, Kosteniuk J, & Vedel I. Rural-urban differences in the use of health services among people with major neurocognitive disorders living in Quebec over the last two decades (oral presentation). 89th Annual Acfas Congress, Colloquium 124 – Health in the regions in the light of population-scale upheavals, by the Regional Health Research Collective (in-person). May 9-13, 2022.

- Bath B & S Lovo (Dec 2022). Building Capacity for Access to Chronic Back Pain Care in Northern Saskatchewan. Chiropractic Rounds. Department of Academic Family Medicine. University of Saskatchewan.
- Bath B (September 2022). Overcoming Access Barriers to Rehabilitation in Canada. Global Health Rehabilitative Initiative Annual Symposium. School of Physical and Occupational Therapy. McGill University. Invited Keynote presentation.
- Cai, S., Kirk, A., Karunanayake, C., Edwards, D., O'Connell, M.E., Morgan, D. G. (accepted). The Role of Depressive Symptomology in Predicting Cognitive and Functional Decline in Dementia Patients. Annual Meeting of the International Neuropsychological Society, San Diego, California, USA, February 1-4, 2023.
- Cetin-Sahin, D., Maclagan, L.C., Sourial, N., Godard-Sebillotte, C., Bronskill, S., Quail, J., Gruneir, A., Seitz, D., Morgan, D., & Vedel, I. on the COVID ROSA Team. Impact of the COVID-19 pandemic on healthcare service use by community-dwelling persons living with dementia: A cohort study of four Canadian provinces. A poster presentation at the CCNA Partners Forum and Science Days (virtual format), October 11-14, 2022.
- Elliot, V., Morgan, D., Kosteniuk, J., Bayly, M., Cameron, C., & O'Connell, M.E. Environmental scan of services and supports for older adults in rural memory clinic communities and surrounding areas. A poster presentation at the CCNA Partners Forum and Science Days (virtual format), October 11-14, 2022. Poster Abstract to be published in Canadian Geriatrics Journal.
- Elliot, V., Morgan, D., Kosteniuk, J., Bayly, M., Cameron, C., & O'Connell, M.E. Environmental scan of community-based programs for older adults in rural memory clinic communities and surrounding areas. 35th Global Conference of Alzheimer's Disease International (ADI) (hybrid event). June 9-11, 2022 (virtual poster).
- Gowda-Sookochoff, R., Grewal, K. S., Kirk, A., Morgan, D., O'Connell, M. E. Analysis of Caregiver-Care Recipient Cohabitation and Associated Caregiver Coping in a Memory Clinic Sample. A poster presentation at the CCNA Partners Forum and Science Days (virtual format), October 11-14, 2022. Poster Abstract to be published in Canadian Geriatrics Journal.

- Grewal, K.S., Gowda-Sookochoff, R., Kirk, A., Morgan, D. G., O'Connell, M.E. (accepted October 7, 2022). Examining the base rates of low scores in older adults with Subjective cognitive impairment from a specialist memory clinic. [Poster presentation]. Annual Meeting of the International Neuropsychological Society, San Diego, California, USA, February 1-4, 2023. (CAHSPR) – Virtual Event. May31 – June 2nd, 2022.
- Henein, M., Maclagan, L.C., Sourial, N., Godard-Sebillotte, C., Bronskill, S., Quail, J., Gruneir, A., Seitz, D., Morgan, D., & Vedel, I. on the COVID ROSA Team. Impact of the COVID-19 pandemic on healthcare service use by community-dwelling persons living with dementia in four Canadian provinces: A cohort study. Canadian Association for Health Services and Policy Research.
- Kosteniuk J., Morgan D., Acan Osman, B., Islam, N., O'Connell M., Kirk, A., Quail, J., Osman, M. Health service use by rural and remote memory clinic patients before and after diagnosis. A poster presentation at the Canadian Association on Gerontology Conference, Regina, October 20-22, 2022.
- Kosteniuk J., Morgan D., Acan Osman, B., Islam, N., O'Connell M.E, Kirk, A., Quail, J., Osman, M. Health service use by rural and remote memory clinic patients before and after diagnosis. A poster presentation at the CCNA Partners Forum and Science Days (virtual format), October 11-14, 2022. Poster Abstract to be published in Canadian Geriatrics Journal.
- Kosteniuk, J., Morgan, D., O'Connell, M.E., Cameron, C., Elliot, V., & Bayly, M. Service use and self-efficacy of family carers participating in a rural primary health care memory clinic assessment. 35th Global Conference of Alzheimer's Disease International (ADI) (hybrid event). June 9-11, 2022 (virtual poster).
- Lang A. OVDR Research Leadership Meeting. Monday, January 23rd, 2023.
- Morgan, D., Bayly, M., Kosteniuk, J. Perceptions and outcomes of an embedded Alzheimer Society First Link Coordinator in rural primary healthcare memory clinics. A poster presentation at the CCNA Partners Forum and Science Days (virtual format), Oct. 11-14, 2022. Abstract to be published in Canadian Geriatrics Journal.
- Morgan, D., Bayly, M., Kosteniuk, J. Perceptions and outcomes of an embedded Alzheimer Society First Link Coordinator in rural primary healthcare memory clinics. A poster presentation at the Canadian Association on Gerontology Conference, Regina, October 20-22, 2022.

- O'Connell, M. E. & Walker, J. (2022). Screening for cognitive impairment with Indigenous peoples, focusing on the need for cultural safety. Invited Presentation. National webinar, Brainxchange, Virtual, November 22, 2022.
- O'Connell, M. E. (2022). The intersections among sensory, cognitive, and motor functioning: Closing the gap between research, practice and person-centered care. Invited Workshop Mediator. Canadian Association on Gerontology, Regina, October 20, 2022.
- O'Connell, M. E. (2022). Development of a remotely-delivered culturally safe support group for Indigenous caregivers of persons living with dementia. Invited Presentation, CCNA research blitz: Management of dementia, CCNA Partners Forum and Science Days 2022, Virtual, October 12, 2022.
- O'Connell, M. E. (2022). Cognition in the Canadian Longitudinal Study of Aging. Invited Presentation, CIHR Institute of Aging, Summer Program in Aging 2022, Virtual (Calgary), May 17, 2022.
- O'Connell, M. E. (2022). Remote interventions for dementia care. Invited Presentation, Memory Keepers Medical Discovery Team, Distinguished Speaker Seminar Series, Duluth, May 4, 2022.
- O'Connell, M. E., Kadlec, H., Taler, V., Gicas, K., Griffith, L., Wolfson, C., Kirkland, S., & Raina, P. (2022). Cognitive impairment indicator for the CLSA: Incorporating reliable change indices and a base rates. International Neuropsychological Society Mid-Year Meeting, 2022, Barcelona, July 6-8, 2022.
- O'Connell, M. E., Kadlec, H., Taler, V., Gicas, K., Griffith, L., Wolfson, C., Kirkland, S., & Raina, P. (2022). Measurement methods matter: Neuropsychological tests are not equivalent when administered by telephone vs in-person producing clinical misclassification. International Neuropsychological Society Annual Meeting 2022, Virtual, Feb 2-4, 2022.



**CCHSA FACULTY, STAFF  
& STUDENTS NEWS**

## FROM SCRATCH: RURAL DEMENTIA CARE

On February 7, 2023, Dr. Debra Morgan was featured on the College of Medicine (CoM) Researchers Under the Scope Podcast.



*Dr. Debra Morgan*

"Our research, we try to involve the people who will be delivering or using the services in their rural communities, as they know best what is needed to improve the quality of life of people living with dementia and their families"

"Families tell us they really value having that clinic close to home, with healthcare providers that they know," Morgan said.

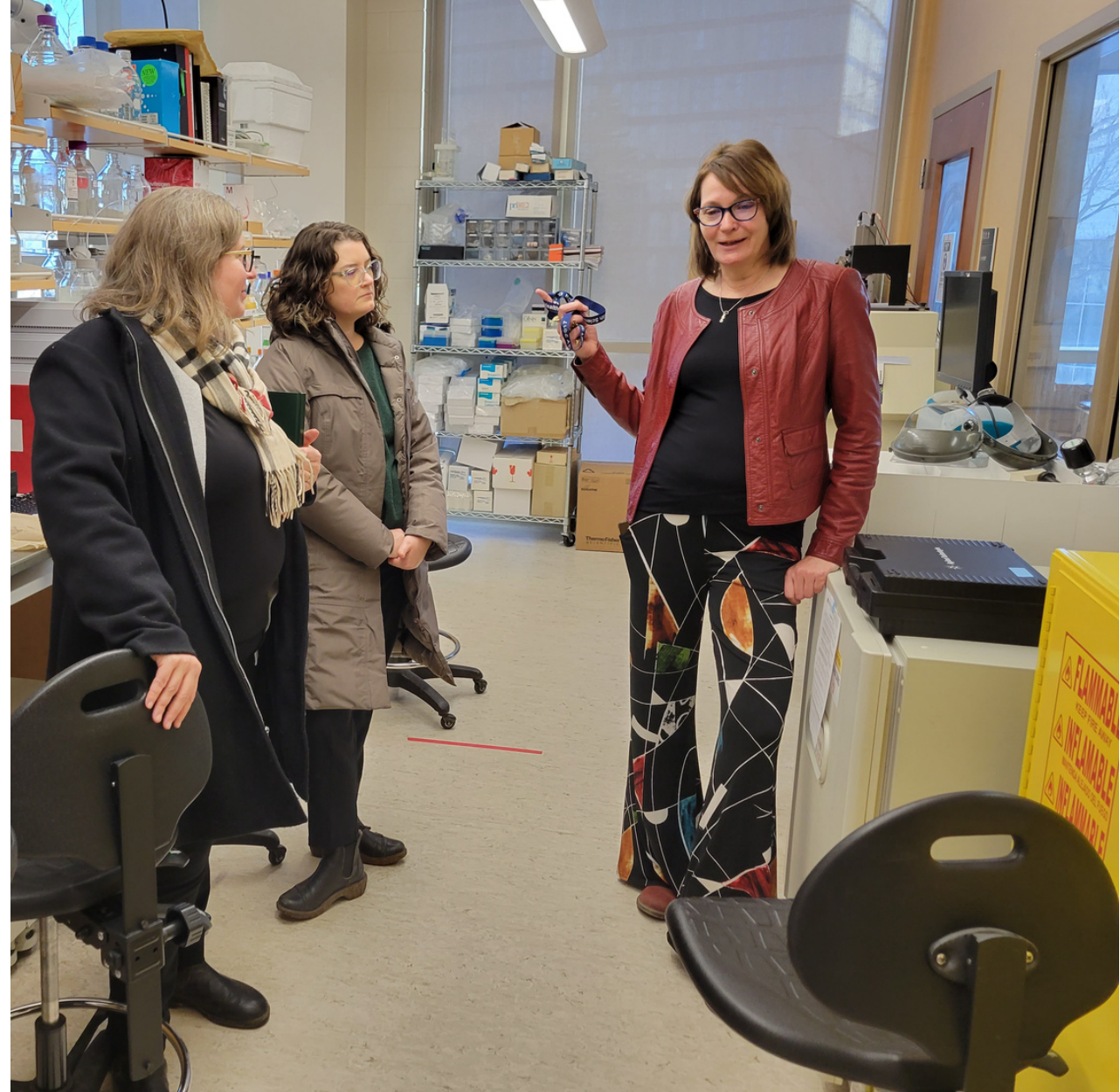
*Dr. Debra Morgan (PhD) is a professor and chair, Rural Health Delivery, at the Canadian Centre for Health and Safety in Agriculture (CCHSA) at the University of Saskatchewan.*



Listen to the Podcast to learn how Dr. Morgan transformed an idea to a Rural Dementia Action Program (RaDAR)  
[https://cchsa-ccssma.usask.ca/ruraldementiacare/news-articles/2023\\_morgan-com-news.php](https://cchsa-ccssma.usask.ca/ruraldementiacare/news-articles/2023_morgan-com-news.php)

## MS. DANIELS & MS. FOSTER VISIT CCHSA

On February 13th, 2023, Dr. Kirychuk, CCHSA's Interim Director met with Sara Daniels, Associate Vice President of Government Relations, UofS, and Alexandra Foster, Director, Government Relations, UofS at CCHSA. While touring CCHSA's Labs, Dr. Kirychuk acquainted the group with the amazing research, service, extension, and knowledge translation activities that are designed for rural and agricultural populations in Saskatchewan and Canada that happens within our facilities.



*"I am excited to lead our faculty, staff, and students in my vision towards vibrant, strong, and safe rural working and living"*

*Dr. S. Kirychuk*

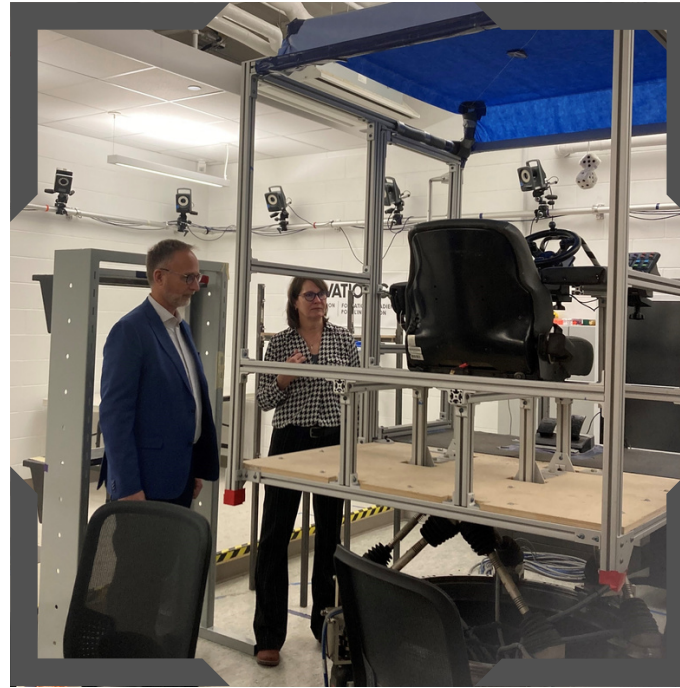
*February 13th, 2023*

Sara Daniels, Alexandra Foster and Dr. Shelly Kirychuk  
at the CCHSA' Wet Lab

## BRAD REDEKOPP VISITS CCHSA

Mr. Redekopp is Vice-Chair for the Standing Committee for Immigration and has an interest in policy development in foreign credential recognition which can impact professional health services to enhance health professional access for rural and agricultural populations as well as health professional recruitment and retention in rural areas. This topic is something Dr. Kirychuk is passionate about as it is a focus in our "Health services access for Rural and Remote Populations" research program at the Centre.

*"There is so much that can easily be done, particularly here in Saskatchewan, to support rural Saskatchewan, rural Saskatchewan communities, rural living, and rural aging in place" said Dr. Kirychuk.*



*B. Redekopp & Dr. S. Kirychuk  
at the Ergonomics Lab*



*Mr. B. Redekopp, Dr. J.A. Dosman &  
Dr. S. Kirychuk*

*"The work you are doing is very much in line with what we are working on regarding immigration policy"*

*B. Redekopp, MP Saskatoon West*

*January 20, 2023*

**CONGRATULATIONS!**

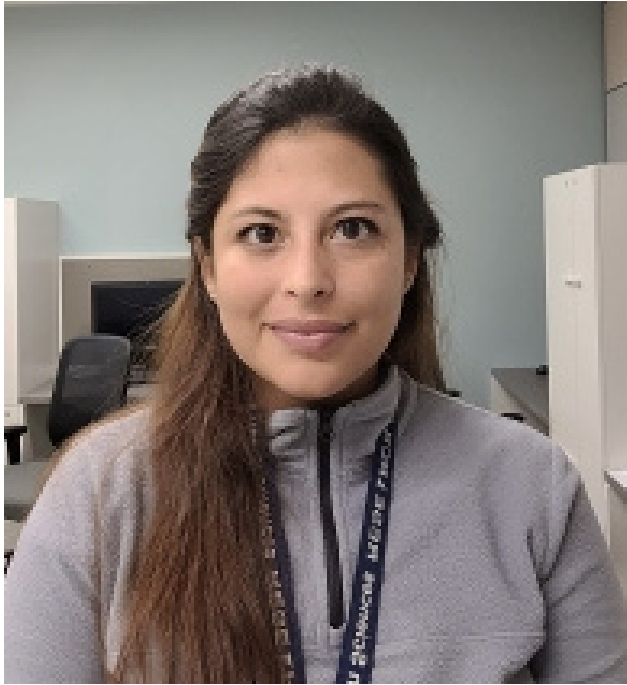
## **KARL GREWAL, PhD Student**

*VASCULAR TRAINING (VAST) HEALTH RESEARCH TRAINING PROGRAM DOCTORAL AWARD*

*Summary of the proposed project:* Cardiovascular risk factors, and disease of brain-based blood vessels, are tied to cognitive functioning and dementia. The prevalence of cardiovascular disease and risk factors, however, is not uniform across populations. For example, prevalence of high blood pressure is different between East and Southeast Asians. Interventions for cardiovascular disease include healthy lifestyle factors that reduce risk, such as eating a balanced healthy diet and participating in exercise. Further, the more people modify cardiovascular risk factors, the less likely they have global cognitive decline or get diagnosed with dementia. We wish to examine whether participation in healthy lifestyle interventions relates to changes in cognition in various subgroups of the Canadian Longitudinal Study on Aging (CLSA), and whether these changes are impacted by the different cardiovascular risk profiles of the participants from different backgrounds and based on sex.



Karl Grewal, PhD Student



**Alejandra Castillo Toro,**  
Health Sciences  
Graduate Scholarship.



**Kaitlin Merkowsky,**  
Health Sciences  
Graduate Scholarship.



**Muhammad Imran Zaib,**  
co-supervised by Dr. George Katselis and  
Dr. Mary Buhr, successfully defended his  
PhD titled Identification and  
Quantification of Sperm Head Plasma  
Membrane Proteins Associated with  
Male Fertility on December 19, 2022.

## CCHSA SEMINAR SERIES

JOIN US ON FEBRUARY 28!

*The CCHSA seminar is a biweekly lecture delivered by invited speakers on Tuesdays from 2:30-3:30 during the academic term.*



Topics include current issues in agricultural and rural health research and practice. Seminar speakers include those affiliated with CCHSA, with other departments at U of S, and visitors to the university such as those from other institutions or government. We encourage presentations from students, researchers, Centre staff, and practitioners. The 30 to 40-min presentation format emphasizes discussion of topics and encourages participant interaction with speakers.

### **CCHSA's upcoming Research Seminar is on February 28, 2023:**

#### **Shirmin Bintey Kader**

*Association between impaired sleep and four domains of health based on the Indigenous Medicine Wheel. Findings from two Saskatchewan First Nation Communities*

ZOOM link: <https://usask-ca.zoom.us/j/95399081829?pwd=dUJlZmInMkU4TXg4VVoxOWhvc2VLUT09t>

We are using hybrid platform for these seminars. Contact us if you want to be one of the presenters.

Link to seminar meeting and schedule is below.



## NEWS FROM OUR PARTNERS

Mid-January, the RaDAR team hosted (1) Dr. Jennifer Walker, Associate Professor in the Department of Health Research Methods, Evidence & Impact from McMaster University and her research coordinator, Julia Rowat. Working with members of the Rural and Remote Memory Clinic (RRMC) team, they were here to produce a training video for users of the CICA: the Canadian Indigenous Cognitive Assessment. Based on a tool originally developed with Indigenous people in the Kimberley Region of Australia and adapted with Anishinaabe communities on Manitoulin Island, the CICA provides a culturally informed approach to cognitive assessment for Indigenous populations.

RRMC Neuropsychologist Dr. Megan O'Connell collaborated on research out of the RRMC which provided validation data for the CICA. RRMC students and staff have gained expertise in administering the assessment, and they put their skills to use for the video.



*Duane Minish, RRMC Psychometrist, administers the CICA during the video recording.*



Saskatoon's Marcel Petit of m.pet productions setting up to record the CICA training video.

*(Photo credit: Shoshana Green)*

Dr. Walker is the co-lead of the Canadian Consortium on Neurodegeneration and Aging's (CCNA) Team 18 – Issues in Dementia Care for Indigenous Populations and the lead for the CCNA Indigenous Cognitive Health Program. She also led the validation of the Canadian Indigenous Cognitive Assessment tool and is currently partnering with Anishinaabe communities in Ontario to support the implementation of the CICA. Dr. Megan O'Connell, and Dr. Debra Morgan are co-leads of CCNA Team 15 – Rural Dementia Care and have worked on a number of collaborations with Dr. Walker and her team over the years.

More information about the CICA is available from the (2) Indigenous Cognition & Aging Awareness Research Exchange.

(1) <https://miri.mcmaster.ca/researchers/dr-jennifer-walker/>

(2) <https://www.i-caare.ca/cica-toolkit>

# Celebrating Canadian Agricultural Safety Week!

March 12-18, 2023

Canadian Agricultural Safety Week will take place from March 12 to 18 under the campaign, *Your Farm, Your Family, Your Success*. The aim of this year's campaign is to inspire farmers, farm families, and farming communities to commit to Farm Safety Everyday (#FarmSafetyEveryday). This year's campaign has digital and physical AgSafe Ribbons available to help raise awareness and foster conversations about farm safety.

Ribbons are available on the CASW website ([www.agsafetyweek.ca](http://www.agsafetyweek.ca))

A vertical poster for the AgSafe Ribbon campaign. At the top is a yellow banner with the text "YOUR FARM, YOUR FAMILY, YOUR SUCCESS" in white. Below this is a blue background with the text "CANADIAN AGRICULTURAL SAFETY WEEK" in yellow. The main title "AgSafe Ribbon" is in large yellow font, with "AgSafe" on one line and "Ribbon" on the line below. Below the title is the hashtag "#FarmSafetyEveryday" and the website "agsafetyweek.ca". The background image shows a man and a woman standing in a field, looking towards a farm building. At the bottom, there are logos for the Canadian Agricultural Partnership, the Partenariat Canadien pour l'Agriculture, CASA | ACSA, the Government of Canada, and the Farm Safety Council (fsc).

YOUR FARM, YOUR FAMILY, YOUR SUCCESS

CANADIAN AGRICULTURAL SAFETY WEEK

AgSafe  
Ribbon

#FarmSafetyEveryday

agsafetyweek.ca

CANADIAN AGRICULTURAL PARTNERSHIP | PARTENARIAT CANADIEN pour L'AGRICULTURE

CASA | ACSA

Canada

Presented by: fsc