

The University of
Saskatchewan

FOUNDING CHAIRS Fellowship Recipients 2014 - 2019



CCHSA **CCSSMA**
Canadian Centre for Health and Safety in Agriculture Centre canadien de santé et sécurité en milieu agricole

CCHSA FOUNDING CHAIRS FELLOWSHIP PROGRAM

The CCHSA mission is to conduct and stimulate research, education, and health promotion programs aimed at enhancing the health and well-being of agricultural, rural and remote populations.

Founding Chairs Fellowship recipients undertake research that supports the CCHSA mission, and are supervised or mentored by faculty associated with the CCHSA. Since 2014 alone, the annual competition has provided awards to 14 Postdoctoral Fellows, 19 Doctoral students, and 9 Master's students.

The Fellowship program is supported by an endowment fund established by the Centre for Agricultural Medicine and administered by the Canadian Centre for Health and Safety in Agriculture.

The committee is chaired by George Katselis and includes Catherine Trask, Donna Rennie, Julie Kosteniuk and David Schneberger.

For more information, visit <https://cchsa-ccssma.usask.ca/scholarships.php#FoundingChairsFellowshipCompetition>

2018 - 2019

- Melanie Bayly (Postdoctoral Award)
- Amanda Florentina do Nascimento (Postdoctoral Award)
- Amanda Froehlich Chow (Postdoctoral Award)
- Myra Martel (Postdoctoral Award)
- Oluwafemi Oluwole (Postdoctoral Award)
- Ornwipa Thamsuwan (Postdoctoral Award)
- Adriana Angarita Fonseca (PhD Award)
- Ulfat Ara Khanam (PhD Award)
- Muhammad Imran (PhD Award)
- Sharleen Jahner (PhD Award)
- Andrea Scerbe (PhD Award)
- Upkardeep Singh Pandher (PhD Award)
- Liris Smith (PhD Award)
- Virginia Deobald (Master's Award)
- Roya Gavanji (Master's Award)
- Robyn Reist (Master's Award)



MELANIE BAYLY (Postdoctoral Award)

PROJECT TITLE

Supporting Rural Dementia Patients and Their Caregivers: Identification of Rural Team-Based Primary Health Care Approaches for Dementia

Mel Bayly is a PhD graduate from the Psychology Department (Culture, Health, and Human Development) at the University of Saskatchewan and is currently doing a post-doctoral fellowship with Dr. Debra Morgan and the RaDAR team. Mel’s postdoctoral work involves a scoping review of the supports and education available for people with dementia and caregivers in rural areas, an investigation of well-being for people aging alone with cognitive impairment, and the evaluation of RaDAR’s Rural Primary Health Care Dementia Model from the perspectives of patients assessed for dementia and their families. Her two areas of research are: 1) caregiving within the context of dementia and chronic health conditions, and 2) reproductive psychology, with a focus on child-birth, reproductive decision making, and models of care. Mel employs both quantitative and qualitative methodologies, and has training and experience in program evaluation.

Projects and publications

Reproductive Psychology Lab <https://research-groups.usask.ca/reproductivepsychology/our-team/melanie-bayly.php>



AMANDA FLORENTINA DO NASCIMENTO (Postdoctoral Award)

PROJECT TITLE

- 1. *Allergic lung inflammation in offspring of pregnant mice exposed to organic dust***
- 2. *Effects of RESP AID on Asthma***

Amanda is from São Paulo, Brazil. She completed her undergraduate degree in veterinary medicine and graduate studies at the School of Veterinary Medicine, University of São Paulo, before starting post-doctoral training under the supervision of Dr. Baljit Singh and Dr. Shelley Kirychuck at the U of S. In 2016, Amanda received a Postdoctoral Fellowship Grant from Natural Sciences and Engineering Research Council of Canada (NSERC) to explore the “Effects of natural exposure to microbial molecules in pregnant mice on their offspring on allergic lung inflammation”, and in 2018 received a Postdoctoral Fellowship from MITACS to explore The Effects of RESP AID on Asthma.

Projects and publications

Researchgate https://www.researchgate.net/profile/Amanda_Nascimento3
 LinkedIn <https://www.linkedin.com/in/amanda-nascimento-bb74b645/>

AMANDA FROELICH CHOW (Postdoctoral Award)



PROJECT TITLE

- 1. *Understanding How Rural Primary Health Care Teams Collaborate to Deliver Dementia Care***
- 2. *Facilitators to Rural Team Based Primary Health Care Delivery for Older Adults Living with Chronic Conditions***

I am a Postdoctoral Fellow in the Canadian Centre for Health and Safety in Agriculture (CCHSA) working with Dr. Debra Morgan and the RaDAR team. As a Métis woman from rural Saskatchewan I am passionate about improving the health of vulnerable populations living in rural and remote communities. The Founding Chairs Fellowship has been instrumental in supporting my research aimed at understanding and identifying effective team-based approaches to delivery of primary health care to rural residents living with dementia. The Founding Chair Fellowship is affording me the opportunity to dedicate the 2018-2019 academic year to developing a strong program of research which includes collaborations with researchers across Canada. Thus far, I have been able to improve my research skills through engaging in community-based research with the RaDAR team. As part of this work I have completed a scoping review and have written a manuscript entitled “Collaborative Approaches to Team-Based Primary Health Care for Individuals with Dementia in Rural and Remote Settings: A Scoping Review” which is in Press. In addition, I am part of a number of other scoping review studies, both currently underway and some already published. Further, in 2018 I have had the opportunity to present my research at a number of venues (CCNA Partners Forum and Science Day, International Active Living Conference and the CCHSA weekly seminars). I received a travel award to attend and present at CCNA conference in October 2018. I have also had an abstract, related to my postdoctoral research, accepted to an upcoming international conference in 2019. Finally, over the past 2 years my postdoctoral work, supported in part by the Founding Chairs Fellowship, has allowed me to expand my expertise and develop research projects which I have recently submitted grant applications for in an effort to obtain funding to expand this work.

To date, the Founding Chairs Fellowship has played a key role in enhancing my research capabilities as I have worked to hone my research skills and expertise. The funding I have been awarded in the 2018-2019 year will make a significant impact in allowing me to continue to build my research program as a postdoctoral fellow working with Dr. Morgan in the CCHSA. I look forward to expanding my program of research as I continue to work to improve the health and well-being of those living in rural and remote communities.

Projects and publications

Researchgate https://www.researchgate.net/profile/Amanda_Chow



MYRA MARTEL (Postdoctoral Award)

PROJECT TITLE

Dust Removal by Electrostatic Precipitation Based Technique for Improving Air Quality in Poultry Houses

Myra is a Postdoctoral Fellow at the U of S working with Dr. Lifeng Zhang and Dr. Shelley Kirychuk. She completed her undergraduate degree in Chemical Engineering from the University of San Jose-Recoletos in the Philippines and her Master’s degree in Environmental Technology and Management from Asian Institute of Technology in Thailand. Prior to coming to Canada for her Ph.D. study at the U of S, she worked as a lecturer in the University of San Jose-Recoletos.

Projects and publications

Researchgate https://www.researchgate.net/profile/Myra_Martel



OLUWAFEMI OLUWOLE (Postdoctoral Award)

PROJECT TITLE

Asthma Phenotypes and Severity among Children in Saskatchewan

Oluwafemi is a Postdoctoral fellow in the College of Nursing and the Canadian Centre for Health and Safety in Agriculture, University of Saskatchewan, under the supervision of Dr. Donna Rennie and also the Pediatric Resident Research Coordinator in the Department of Pediatrics, University of Saskatchewan. He completed his undergraduate degree in Agriculture from the University of Ibadan, Nigeria, and Master degree in Environmental Science from the University of Greenwich, United Kingdom. He completed his PhD degree from the University of Saskatchewan with scholarships from the Vanier Canada Graduate Scholarship, Saskatchewan Innovation and Opportunity Scholarship and the Public Health and the Rural Agricultural Ecosystem. Prior to joining the University of Saskatchewan and the Canadian Centre for Health and Safety in Agriculture, Oluwafemi worked as a Research Associate with the Centre for Global Health at the University of Chicago, USA. Research interests are respiratory health, agricultural exposures and health, rural and remote health. In 2017, Oluwafemi received a research fellowship from the Saskatchewan Health Research Foundation (SHRF) to investigate the progression of asthma and asthma severity in children.

Projects and publications

Google Scholar https://scholar.google.ca/scholar?hl=en&as_sdt=0%2C5&q=oluwafemi-Oluwole&oq=oluwafemi

ORNWIPA THAMSUWAN (Postdoctoral Award)

PROJECT TITLE

An ergonomic evaluation of exoskeleton use in agriculture

Ornwipa is a Saskatchewan Health Research Foundation postdoctoral fellow at the Canadian Centre for Health and Safety in Agriculture. She works with Dr. Catherine Trask and Dr. Stephan Milosavljevic. Her research focuses on the biomechanics and usability of a prototype exoskeleton for farm uses to prevent back pain. Ornwipa completed her Bachelor of Engineering at Chulalongkorn University, and worked at Toyota Motor Asia Pacific - Eng & Mfg. She completed her Master of Sciences and PhD in industrial engineering at the University of Washington, where she developed methods for ergonomic assessment in apple harvesters. Before joining the CCHSA, Ornwipa taught as a lecturer at the Department of Industrial and Mechanical Engineering, the Universidad de las Americas Puebla.



Projects and publications

Researchgate https://www.researchgate.net/profile/Ornwipa_Thamsuwan

Google Scholar <https://scholar.google.ca/citations?user=-AQW08sAAAAJ&hl=en>

LinkedIn <https://www.linkedin.com/in/ornwipa-thamsuwan-125b7021/>

ADRIANA ANGARITA FONSECA (Doctoral Award)

PROJECT TITLE

Physical activity and chronic back disorders in Canadian adults: a comparison between rural and urban dwellers

Adriana is from Bucaramanga, Colombia. She completed her undergraduate degree in physiotherapy and her master in epidemiology at the Universidad Industrial de Santander. Also, she completed her master in statistics at the Universidad de Valparaiso, Chile, before starting her doctoral training under the supervision of Dr. Catherine Trask and Dr. Brenna Bath at the U of S. In 2016, Adriana received the College of Medicine Graduate Student Awards (CoMGRAD) scholarship to pursue her Ph.D. thesis.



Projects and publications

Google Scholar <https://scholar.google.com/citations?user=YdUL8YgAAAAJ&hl=en>

Researchgate https://www.researchgate.net/profile/Adriana_Angarita

LinkedIn <https://ca.linkedin.com/in/adriana-angarita-fonseca-a3153013>

ORCID <https://orcid.org/0000-0003-3806-8468>

CV http://scienti.colciencias.gov.co:8081/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000799513



ULFAT ARA KHANAM (Doctoral Award)

PROJECT TITLE

Predicting and validating asthma among rural and urban children

Ulfat completed her undergraduate in Bachelor of Medicine and Surgery (MBBS) from Rajshahi Medical College, University of Rajshahi, Bangladesh. She has been registered as a medical practitioner by the Bangladesh Medical and Dental Council (BMDC) since 2011. After completing her MBBS degree, she worked as a lecturer in the Department of Anatomy at Ibrahim Medical College, University of Dhaka, Bangladesh. After coming to Canada, she completed her MSc in Community and Population Health Sciences from the Department of Community Health and Epidemiology at the University of Saskatchewan under the supervision of Dr. Joshua Lawson. Currently, she is a PhD student in the Department of Health Sciences Program under the supervision of Dr. Lawson. Her PhD research is focused on the application of machine learning among the children living in urban and rural community.

Projects and publications

Researchgate https://www.researchgate.net/profile/Ulfat_Khanam



MUHAMMAD IMRAN (Doctoral Award)

PROJECT TITLE

Identification and Quantification of Sperm Head Plasma Membrane Proteins Associated with Male Fertility

Imran is from Faisalabad, Pakistan. He completed his early education from Pakistan and The Netherlands. In the past he has won prestigious scholarships from his home country and Nuffic Award from Holland. In 2017, he received a Saskatchewan Innovation and Opportunity Scholarship (SIOS) and Miriam Green Ellis Scholarship. In 2018, he was awarded SHINING STAR of Pakistan by PCCA Canada and was granted the Alexander & Jean Auckland Postgraduate Award. Imran is working under the supervision of Dr. Mary Buhr (Agriculture and Bioresources) and Dr. George Katselis (Medicine). He is investigating fertility protein markers in the head plasma membrane of bovine sperm for the development of diagnostic male fertility and contraceptive kits.

Projects and publications

Research gate https://www.researchgate.net/profile/Muhammad_Imran214

LinkedIn <https://www.linkedin.com/in/imran-zaib-740599176/>

SHARLEEN JAHNER (Doctoral Award)

PROJECT TITLE

The Psychologically Traumatic Experiences of Rural Registered Nurses Who Live and Work in the Same Community

Sharleen is currently a PhD Candidate in the College of Nursing, University of Saskatchewan under the co-supervision of Dr. Norma Stewart and Dr. Kelly Penz and committee members Dr. Debra Morgan and Dr. Shelley Kirychuk with CCHSA, and Dr. Judith Kulig with the University of Lethbridge. Since beginning her doctoral studies in the Fall of 2013, she has worked as a Research Assistant with the College of Nursing, received the Public Health and the Agricultural Rural Ecosystem (PHARE) Graduate Training Scholarship, Royal University Hospital Foundation Scholarships, Ministry of Health Nurse Educator Bursary, International Rural Nursing Organization Scholarship, Saskatchewan Nursing Foundation Bursary, University of Saskatchewan Graduate Scholarships, Ferguson Graduate Leadership Scholarship (College of Nursing) and several other College of Nursing Scholarships. Sharleen is passionate about the well-being of nurses in rural and remote communities. Her research is underway to explore the impact of exposure to distressing traumatic events on the psychosocial and physical well-being of RNs who live and work in the same rural agricultural community and the occupational health and safety implications.



Projects and publications

Google Scholar

<https://pdfs.semanticscholar.org/9f96/b4ce3ce269ffae55ab6c012cd7548d03e3d9.pdf>
https://www.researchgate.net/publication/316548492_Experiences_of_rural_and_remote_nurses_assisting_with_disasters

ANDREA SCERBE (Doctoral Award)

PROJECT TITLE

Digital Tools for Delivery of Dementia Education for Healthcare Providers of People Living with Dementia

Andrea Scerbe is a graduate student in clinical psychology, working with Dr. Megan O'Connell. Residing in Saskatchewan most of her life, Andrea was particularly interested in improving health of elderly Saskatchewan residents through existing healthcare infrastructure. Andrea's research thesis focuses on enhancing primary dementia care in rural Saskatchewan, by determining and delivering a technology-based, dementia training to rural Saskatchewan primary care.



Projects and publications

Researchgate https://www.researchgate.net/profile/Andrea_Scerbe
LinkedIn <https://www.linkedin.com/in/andrea-scerbe-424514170/>



UPKARDEEP SINGH PANDHER (Doctoral Award)

PROJECT TITLE

Lung inflammation following inhalation of glyphosate and endotoxin

Upkardeep is a Ph.D. student in the Health Sciences program of College of Medicine with Dr. Shelley Kirychuk. His research is based at the Canadian Centre for Health and Safety in Agriculture (CCHSA). Apart from research, he loves to play Baseball, and Cricket.

Projects and publications

Researchgate https://www.researchgate.net/profile/Upkardeep_Singh

CCHSA <http://www.cchsa-ccssma.usask.ca/people/students1/upkar-singh-pandher.php>



LIRIS P R SMITH (Doctoral Award)

PROJECT TITLE

The Experience of Physical Activity for Metis Older Adults

Liris is a Ph.D. Candidate in Health Sciences, College of Medicine working under the supervision of Drs Sarah Oosman and Sylvia Abonyi. Her research project seeks to reveal the perceptions and experiences of physical activity among Métis seniors in partnership with the northern, remote community of Île-à-la-Crosse, Saskatchewan. Using a Participatory Action Research approach, she seeks to reveal Métis seniors’ physical activity experiences, learn what activities are important for them, and how they engage in activity. This project is embedded in, and will inform a larger CIHR funded healthy aging project “Wuskiwiw-tan (Let’s Move!) Aging well in a northern Saskatchewan Métis community”, which will highlight concepts, experiences, and aspirations of healthy aging.



VIRGINIA DEOBALD (Master’s Award)

PROJECT TITLE

The Nurse Experience using Non-pharmacological Interventions in Rural Long Term Care Facilities for Persons with Dementia

Virginia Deobald is a Master of Nursing student, Registered Nurse and part time Clinical Associate with the College of Nursing. As an RN working in a small rural community, Virginia was inspired to do her masters in hopes of learning more and contributing to research surrounding those living with dementia in rural areas. Virginia’s thesis focusses on gaining more information about the use of non-pharmacological interventions in long term care facilities. She hopes to improve best practice and care for those living with dementia in long term care.

Projects and publications

Researchgate https://www.researchgate.net/profile/Virginia_Deobald

U of S College of Nursing <https://nursing.usask.ca/student-spotlights/deobald-v.php#Biography>

U of S College of Nursing <https://nursing.usask.ca/people/virginia-deobald.php>

ROYA GAVANJI (Master's Award)

PROJECT TITLE

Exploring Machine Learning Techniques to Predict WCB claims Severity and Fatality Level in Saskatchewan, Canada

Roya Gavanji is a Biostatistics student in School of Public Health and CCHSA in University of Saskatchewan. She completed her bachelor's degree in Statistics and master's degree in Economical and Environmental Statistics at Isfahan University of Technology (IUT) with high distinction. Before starting her training under the supervision of Dr. Catherine Trask and Dr. Cindy Feng at the U of S, she worked as a data analyst at Isfahan Mathematics House (IMH) and IUT and accomplished different projects. She joined the CCHSA's Ergonomics Lab in spring 2017, and she is the recipient of Mitacs Accelerate Internship Funding.



Projects and publications

CCHSA Ergonomics Lab <https://research-groups.usask.ca/ergolab/about-us/roya-gavanji.php>

ROBYN REIST (Master's Award)

PROJECT TITLE

Quantifying Primary Risk Factors for Upper Extremity Disorders during Bovine Rectal Palpations

Robyn Reist grew up in Humboldt, Saskatchewan, and completed undergraduate degrees in Engineering Physics and Mathematics at the University of Saskatchewan in 2009. She worked for Cameco Corporation in radiation safety roles from 2010-2017. She joined the CCHSA's Ergonomics Lab as a research assistant in summer 2017 before starting a Master's program in Community and Population Health Science in fall 2017. She is supervised by Dr. Catherine Trask and is working on the Ergo-Vet project through the CCHSA's Ergonomics Lab. She is investigating individual and environmental risk factors associated with the veterinary task of bovine rectal palpations, and how these may contribute to the development of musculoskeletal disorders.



Projects and publications

CCHSA Ergonomics Lab <http://research-groups.usask.ca/ergolab/our-research/ergo-vet--assessing-the-ergonomic-demands-of-large-animal-veterinarians.php>

2017 - 2018

- Behzad Bashiri (Postdoctoral Award)
- Amanda Florentina do Nascimento (Postdoctoral Award)
- Amanda Froehlich Chow (Postdoctoral Award)
- Oluwafemi Oluwole (Postdoctoral Award)
- Marcus Yung (Postdoctoral Award)
- Adriana Angarita Fonseca (PhD Award)
- Ulfat Ara Khanam (PhD Award)
- Maurice M'Bang'ombe (PhD Award)
- Upkardeep Singh Pandher (PhD Award)
- Robyn Reist (Master's Award)



BEHZAD BASHIRI (Postdoctoral Award)

PROJECT TITLE

Shake and Break: The Effects of Whole-Body Vibration on Farm Machinery Egress

Behzad Bashiri received his Ph.D. in Biosystems Engineering from University of Manitoba. During his Ph.D., he conducted studies related to human factors and ergonomics in the agricultural domain and received several awards including a University of Manitoba Graduate Fellowship (UMGF). After completion of his degree, he continued his research work as a postdoctoral fellow in Agricultural Ergonomics Laboratory at the University of Manitoba. Behzad joined the ergonomics research group at CCHSA as a postdoctoral fellow in 2016. He is currently a recipient of a two-year research fellowship from the Saskatchewan Health Research Foundation (SHRF).

Accomplishments during award period

During my Founding Chairs Fellowship period, I have made great accomplishments that have supported my scientific and professional development as a postdoctoral fellow at CCHSA. Under supervision of Drs. Trask and Milosavljevic, I was able to develop a research protocol to study egress performance in agricultural machinery. The protocol involved constructing a new tractor vibration simulator in the Ergonomics Lab. In preparation for the study, we were able to build relationships with research stakeholders and acquired support from industry. During this period, we were able to equip the lab with some new state-of-the-art measuring devices and have been trained to collect data using such equipment. After preparing the lab and receiving approval from the Research Ethics Board, I have been recruiting volunteers for my study; I am currently in the middle of my data collection stage. Coordinating research assistants for data collection and data processing has been a great experience in terms of project management. My other accomplishment during my award period includes: 1) successfully receiving Saskatchewan health research Foundation (SHRF) Research Fellowship, 2) writing and submitting three grant applications in collaboration with my colleagues in the Ergonomics Laboratory, and 3) presenting my research at two conferences in Manitoba and Saskatchewan. In addition, my abstracts for three international conferences have been accepted and I will be attending these conferences in August and October 2018.

Testimonial

The Founding Chairs Fellowship has provided a tremendous opportunity for my career development. Working at CCHSA and collaborating with passionate researchers in this center has helped me gain new knowledge and skills in documenting health and safety issues in agriculture. Attending weekly seminars also has provided a great opportunity for me to learn about different types of health research and engage in career development activities.

Projects and publications

<https://www.linkedin.com/in/behzad-bashiri-090a248>

<https://scholar.google.com/citations?hl=en&user=zJw8jaMAAAAJ>

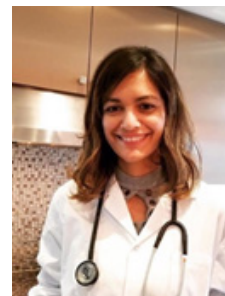
<https://research-groupstest.usask.ca/ergolab/about-us/behzad-bashiri-.php>

AMANDA FLORENTINA DO NASCIMENTO (Postdoctoral Award)

PROJECT TITLE

Allergic lung inflammation in offspring of pregnant mice exposed to organic dust

Amanda is from São Paulo, Brazil. She completed her undergraduate degree in veterinary medicine and graduate studies at the School of Veterinary Medicine, University of São Paulo, before starting post-doctoral training under the supervision of Dr. Baljit Singh and Dr. Shelley Kirychuk at the U of S. In 2016, Amanda received a Postdoctoral Fellowship Grant from Natural Sciences and Engineering Research Council of Canada (NSERC) to explore the “Effects of natural exposure to microbial molecules in pregnant mice on their offspring on allergic lung inflammation”, and in 2018 received a Postdoctoral Fellowship from MITACS to explore The Effects of RESP AID on Asthma.



Accomplishments during award period

Publications

- Amanda F Nascimento; Shelley Kirychuk; Maria Martha Martha Bernardi; Luciano F Felício.(2018). ZINC attenuates the effects of LPS on body temperature and sickness behavior of female rats. *Neuroimmunomodulation*. 2018;25(2):89-95. doi: 10.1159/000490894. Epub 2018 Aug 24.
- Nascimento, A; Singh, B; Kirychuk, S; Bernardi, M; Felicio, L. (2018). The influence of LPS and zinc on interaction between mother and offspring. *The FASEB Journal*.
- Nguyen Phuong Khanh Le, Amanda Nascimento, David Schneberger, Chi Cuong Quach, Xiaobei Zhang, Dawicki Wojciech, Lixin Liu, John Gordon, Baljit Singh. (2017). Deficiency of leukocyte-specific protein 1 (LSP1) alleviates asthma in a mouse model. *Anatomia, Histologia, Embryologia*. 46(S1):

Presentations

- (2018). The influence of LPS and zinc on interaction between mother and offspring. *EXPERIMENTAL BIOLOGY 2018*, United States.
- (2017). Deficiency of Leukocyte-specific protein 1 (LSP1) alleviates asthma by regulating inflammatory cell recruitment in mouse model. *AAVA - Meeting 2017*, United States
- (2017). The role of CD34 and LPS on allergic lung inflammation based on sexual dimorphism. *The first ever 2nd floor - Health Sciences Research day 2017*, Canada.

Awards

- Images of Research Competition - Viewer’s choice, First Place - University of Saskatchewan – 2018 - Cell Party in Asthmatic Lung - Authors: Nguyen Phuong Khanh Le, Amanda Nascimento, David Schneberger, Chi Cuong Quach, Xiaobei Zhang, Dawicki Wojciech, Lixin Liu, John Gordon, Baljit Singh.
- Travel Grant, AAVA - American Association of Veterinary Anatomists – 2017
- CCHSA 2017-2018 Founding Chair

Testimonial

I am very grateful to receive the Founding chair fellowship. It has afforded me to continue my research, to publish a manuscript in 2018, and to attend two different conferences that I could present the results from my research.

Project and publications

Researchgate https://www.researchgate.net/profile/Amanda_Nascimento3

LinkedIn <https://www.linkedin.com/in/amanda-nascimento-bb74b645/>



AMANDA FROELICH CHOW (Postdoctoral Award)

PROJECT TITLE

Supporting Rural Dementia Patients and Their Caregivers: Identification of Rural Team-Based Primary Health Care Approaches for Dementia

I am a Postdoctoral Fellow in the Canadian Centre for Health and Safety in Agriculture (CCHSA) working with Dr. Debra Morgan and the RaDAR team. As a Métis woman from rural Saskatchewan I am passionate about improving the health of vulnerable populations living in rural and remote communities. The Founding Chairs Fellowship has been instrumental in supporting my research aimed at understanding and identifying effective team-based approaches to delivery of primary health care to rural residents living with dementia. I was able to improve my research skills through engaging in community based research with the RaDAR team. In addition, I completed a scoping review and have written a manuscript entitled “Collaborative Approaches to Team-Based Primary Health Care for Individuals with Dementia in Rural and Remote Settings: A Scoping Review” which has been submitted for publication. Further, over the past year I had the opportunity to present my research studies at a number of venues (CCNA Partners Forum and Science Day, Annual Canadian Conference on Dementia (CCD), International Active Living Conference and the CCHSA weekly seminar). I received a travel award to attend and present at the CCD and CCNA conferences. Through the continuation of my postdoctoral fellowship with Dr. Morgan in the CCHSA, I look forward to expanding my program of research as I continue to work to improve the health and well-being of those living in rural and remote communities.

Accomplishments during award period

Presentations

- Froehlich Chow, A., Morgan, D., Bayly, M., Kosteniuk, J., Elliot, V. & O’Connell, M. (2018). Understanding How Rural Primary Health Care Teams Collaborate To Deliver Dementia Care. Candain Consortium on Neurodegeneration in Aging, Montreal, Quebec, October 1-3.
- Bayly, M., Morgan, D., Froehlich Chow, A., Kosteniuk, J., & Elliot, V. (2018). A scoping review of dementia-related education and support service accessibility and use in rural areas: Barriers and promising solutions. Poster presented at the Canadian Consortium for Neurodegeneration in Aging, Montreal, Canada.
- Bayly, M., Morgan, D., Froehlich Chow, A., Kosteniuk, J., & Elliot, V. (2018). Dementia-related education and support service accessibility and use in rural areas: Barriers and promising solutions. Poster presented at the 47th Annual Scientific & Educational Meeting of the Canadian Association on Gerontology, Vancouver, Canada.
- Froehlich Chow, A., O’Connell, M., Dal-Bello Haas, V., Cammer, A., & Morgan, D. (2018). Physical Activity Patterns among Dyads of Individuals with Dementia and their Spousal Caregivers Living in Rural and Remote Areas. Elsevier Active Living Research Conference. Banff, Canada. February 11- 14, 2018.
- Froehlich Chow, A., Morgan, D., Bayly, M., Kosteniuk, J., Elliot, V. (2017). Identifying Team-Based Approaches to Primary Health Care for Rural Dementia Patients: A Scoping Review of the Literature. Canadian Conference on Dementia. Toronto Ontario, November 2-4, 2017.

Publications accepted

- Froehlich Chow, A., Morgan, M., Bayly, M., Kosteniuk, J. & Elliot, V. (2018). Collaborative Approaches to Team-Based Primary Health Care for Individuals with Dementia in Rural and Remote Settings: A Scoping Review. *Canadian Journal on Aging*. In Press.
- McGilton, K., Vellani, S., Yeung, L., Jawad, C., Commisso, E., Ploeg, J., Andrew, M., Ayala, A., Gray, M., Morgan, D., Froehlich Chow, A., Parrott, E., Stephens, D., Hale, L., Keatings, M., Walker, J., Wodchis, W., Dubé, V., McElhaney, J. & Puts, M. (2018). Identifying and Understanding the Health and Social Care Needs of Older Adults with Multiple Chronic Conditions and their Caregivers: A Scoping Review. *BMC Geriatrics*. In Press.
- Elliot V., Kosteniuk, J., Morgan, M., Froehlich Chow, A., & Bayly, M. Health-Related Stigma of Non-Communicable Neurological Disease in Rural Adult Populations: A Scoping Review. *Health & Social Care in the Community*. In Press.

Publications submitted

- Bayly, M., Morgan, D., Kosteniuk, J., Froehlich Chow, A., & Elliot, V. (2018) Protocol for a systematic review on interventions for caregivers to persons with MCI and early dementia: Does early stage intervention improve caregiver wellbeing and ability to provide care? *BMJ Open*. Under Review.
- Bayly, M., Morgan, D., Froehlich Chow, A., Kosteniuk, J., & Elliot, V. (2018). A scoping review of dementia-related education and support service availability, accessibility and use in rural areas: Barriers and promising solutions. *Canadian Journal on Aging*. Under Review
- Kosteniuk, J., Morgan, D., Elliot, V., Froehlich Chow, A., Bayly, M., Watson, E., Osman, M., Acan, Osman, Acan B., O'Connell, M., Kirk, A., Stewart, N., Cammer, A., & Innes, A. (2018). A scoping review of multiple transitions across care settings among individuals with dementia. *Canadian Journal on Aging*. Under Review.

Testimonial

The Founding Chairs Fellowship has played a key role as I have worked to hone my research skills and expertise. The Founding Chair Fellowship afforded me the opportunity to dedicate the 2017-2018 year to developing a strong program of research which included collaborations with researchers across Canada.

Projects and publications

Researchgate https://www.researchgate.net/profile/Amanda_Chow



OLUWAFEMI OLUWOLE (Postdoctoral Award)

PROJECT TITLE

Asthma Phenotypes and Severity among Children in Saskatchewan

Oluwafemi is a Postdoctoral fellow in the College of Nursing and the Canadian Centre for Health and Safety in Agriculture, University of Saskatchewan, under the supervision of Dr. Donna Rennie. He completed his undergraduate degree in Agriculture from the University of Ibadan, Nigeria, and Master degree in Environmental Science from the University of Greenwich, United Kingdom. He completed his PhD degree from the University of Saskatchewan with scholarships from the Vanier Canada Graduate Scholarship, Saskatchewan Innovation and Opportunity Scholarship and the Public Health and the Rural Agricultural Ecosystem. Prior to joining the University of Saskatchewan and the Canadian Centre for Health and Safety in Agriculture, Oluwafemi worked as a Research Associate with the Centre for Global Health at the University of Chicago, USA. Research interests are respiratory health, agricultural exposures and health, rural and remote health. In 2017, Oluwafemi received a research fellowship from the Saskatchewan Health Research Foundation (SHRF) to investigate the progression of asthma and asthma severity in children.

Accomplishments during award period

Award

Life and Health Sciences Best Paper in Social Population Health, University of Saskatchewan, May 2108.

Presentations

Asthma diagnosis among children along an urban-rural gradient: 2018 Life and Health Sciences Research Expo. May 3rd, 2018, University of Saskatchewan.

Publications

- Oluwole, O., Rennie, D.C., Senthilselvan, A., Dyck, R., Afanasieva, A., Adamko, D.J., Lawson, J.A (2018). Asthma diagnosis along an urban-rural gradient. *J Asthma*.
- Oluwole O., Rennie, D., Senthilselvan, A., Dyck, R., Afanasieva, A., Kirychuk, S., Katselis, G., Lawson, J.A. (2018) The association between endotoxin and beta-(1→3)-D-glucan in house dust with asthma severity among schoolchildren. *Respir. Med.*, 138: 38–46.
- Oluwole, O., Rennie, D., Senthilselvan, A., Dyck, R., Afanasieva, A., Kirychuk, S., Katselis, G., Lawson, J.A. (2018) The associations between endotoxin in home dust with atopy and exercised-induced bronchospasm in children with asthma. *Environ. Res.*, 164: 302–309.

Testimonial

I have always had the opportunity to be close to vulnerable populations, especially those living in rural and farming environments and I understand the myriads of health challenges they face on daily basis as they perform their normal duties. The Founding Chair Fellowship has provided me the opportunity to gain valuable knowledge and skills that will be required in helping these groups of population.

Projects and Publications

Google Scholar https://scholar.google.ca/scholar?hl=en&as_sdt=0%2C5&q=oluwafemi+Oluwole&oq=oluwafemi

LinkedIn <https://www.linkedin.com/in/oluwafemi-oluwole-phd-bb277225/>

MARCUS YUNG (Postdoctoral Award)

PROJECT TITLE

Shaken, and Stirred: Exploring the Bonds Between Whole Body Vibration and Human Performance



Marcus Yung is currently a Postdoctoral Research Associate in General Medical Sciences at Washington University School of Medicine (St Louis, USA). His research interests centers around etiology of work-related musculoskeletal disorders and development of prevention strategies and interventions to mitigate injury risk. He has expertise in individual-level measurement involving a variety of biomechanical and biophysical tools for both laboratory work simulations and field studies. Additionally, Dr. Yung has knowledge in biomechanical exposure estimation using population-level data (i.e., job exposure matrices), which can be used to better understand exposure-disease relationships.

Dr. Yung completed his undergraduate degree in Kinesiology at Simon Fraser University (Burnaby, Canada), and his Masters and PhD at the Department of Kinesiology, University of Waterloo (Waterloo, Canada). He is board certified as a professional ergonomist (CPE). Previously, Dr. Yung was a Saskatchewan Health Research Foundation Postdoctoral Fellow at the Ergonomics Laboratory within the Canadian Centre for Health and Safety in Agriculture. There, he investigated the effectiveness of occupational health standards to prevent musculoskeletal injury risks associated with heavy machinery and transport systems.

Accomplishments during fellowship period

Publications

- Yung, M., Lang, A.E., Stobart, J., Kociolek, A.M., Milosavljevic, S., & Trask, C. (2017). "The combined fatigue effects of sequential exposure to whole body vibration and physical, mental, and concurrent work demands". *PlosOne*. 12(12), e0188468
- Yung, M., Tennant, L., Milosavljevic, S., & Trask, C. (2018). "The multi-system effects of simulated whole body vibration on sensorimotor and cognitive performance". *Annals of Work Exposures and Health*, 62(7), 884-898.
- Cockburn, A., Masson, D., Gutwin, C., Palanque, P., Goguey, A., Yung, M., Deleris, Y., & Trask, C. (2018) "Design and evaluation of braced touch for touchscreen stabilization." *International Journal of Human-Computer Studies*, 122, 21-37.
- Evanoff, B., Yung, M., Buckner-Petty, S., Andersen, J., Roquelaure, Y., Descatha, A., Dale, A.M. "The CONSTANCES job exposure matrix based on self-reported physical exposures: Development & evaluation." (In Review). *Occupational and Environmental Medicine*. OEM-2018-105408
- Evanoff, B., Yung, M., Buckner-Petty, S., Baca, M., Andersen, J., Roquelaure, Y., Descatha, A., Dale, A.M. (In Review). "Cross-national comparison of two general population job exposure matrices for physical work exposures" *Occupational and Environmental Medicine*. OEM-2018-105287
- Yung, M., Kolus, A., Wells, RP, Neumann, PN. (In Review). "Examining the fatigue-quality relationship in manufacturing." *Applied Ergonomics*. JERG_2018_85
- Yung, M., Dale, A.M., Kapellusch, J.M., Harris-Adamson, C., Rempel, D.M., Evanoff, B. "Modeling the effect of the 2018 revised ACGIH hand activity threshold limit value at reducing the risk of carpal tunnel syndrome." In preparation for submission to *Morbidity and Mortality Weekly Report (MMWR)*.

Presentations

- Yung, M., Milosavljevic, S., & Trask, C. (2018). "Exploring the acute effects of whole body vibration: A simulated vibration study using guideline thresholds". 20th Congress International Ergonomics Association Conference. Florence, Italy (Oral).
- Yung, M., Milosavljevic, S., & Trask, C. (2018). "Investigating the sequential combined effects of whole body vibration and physical or mental work demands: Are fatigue effects additive?". 20th Congress International Ergonomics Association Conference. Florence, Italy (Oral).
- Yung, M., Du, Bronson. (2018). "Whole-body vibration exposure in construction: Examining acute effects, guidelines, and risk mitigation strategies to prevent MSD and injuries". Work Wellness and Disability Prevention Institute. Webinar to Industry and Academic Stakeholders. (Webinar)
- Yung, M., Dale, A., Buckner-Petty, S., D'Escatha, A, Evanoff, B. (2018). "Uncovering a hidden JEM: A general population job exposure matrix to estimate biomechanical work exposures".. National Occupational Injury Research Symposium. Morgantown, West Virginia. (Oral)
- Yung, M., Milosavljevic, S., & Trask, C. (2018). "Do whole body vibration exposure thresholds minimize for acute sensorimotor and cognitive effects?" National Occupational Injury Research Symposium. Morgantown, West Virginia. (Oral)
- Trask, C., Yung, M., & Milosavljevic, S. (2018). "Beyond back pain: acute cognitive and motor effects of simulated whole body vibration in lab-based experiments." 7th American Congress on Human Vibration. Seattle, Washington. (Oral).

Professional

- Achieved status of board certified professional ergonomist (BCPE). Certificate #2210.
- Co-Investigator. Defence Research and Development Canada (DRDC). Primary Investigator: Amin Yazdani. "Canadian first responder fatigue risk management standard". Funding Amount: \$700,000 CAD.

Testimonial

The Founding Chairs Fellowship program has afforded me the opportunity to conduct fruitful research in Agricultural Ergonomics, specifically investigations in the effects of whole body vibration exposure and strategies to mitigate musculoskeletal injury and accident risk. It is anticipated that this research will build capacity towards future research initiatives and provide preliminary practical insight for agricultural, rural and remote populations.

Projects and publications

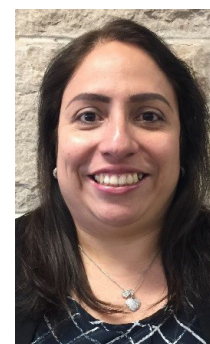
Google Scholar <https://scholar.google.ca/citations?user=TF5YVAcAAAAJ&hl=en&oi=ao>
Researchgate https://www.researchgate.net/profile/Marcus_Yung
LinkedIn <https://www.linkedin.com/in/marcusyung/>

ADRIANA ANGARITA FONSECA (Doctoral Award)

PROJECT TITLE

Physical activity and chronic back disorders in Canadian adults: a comparison between rural and urban dwellers

Adriana is from Bucaramanga, Colombia. She completed her undergraduate degree in physiotherapy and her master in epidemiology at the Universidad Industrial de Santander. Also, she completed her master in statistics at the Universidad de Valparaiso, Chile, before starting her doctoral training under the supervision of Dr. Catherine Trask and Dr. Brenna Bath at the U of S. In 2016, Adriana received the College of Medicine Graduate Student Awards (CoMGRAD) scholarship to pursue her Ph.D. thesis.



Accomplishments during fellowship period

Awards

- Second prize of the Best Poster competition: Effects of cardiac rehabilitation phase III and IV: a systematic review. Sánchez JC, Camargo DC, Cardona A, Franco MY, Santos LM, Angarita A. VI Congreso de la Sociedad Latinoamericana de Cuidados Respiratorios. November 2-4, 2017. Lima, Perú.

Publications

- Sanchez JC, Jacome A, Larios B, Pinzón S, Angarita A. [Reliability of the barriers scale for cardiac rehabilitation]. *Fisioterapia*. 2018: <https://doi.org/10.1016/j.rc-car.2017.08.014>

Abstract

- Martínez RDP, Aponte DY, Duran LD, Pastrana MA, Angarita A. Síntomas depresivos Vs. actividad física en escolares de Colombia, 2017. XV Encuentro científico del Instituto Nacional de Salud. November 20-22, 2017. Bogotá, Colombia.

Invited lecturer

- Busch Angela, Angarita Fonseca Adriana. A Visiting Professor Program, Building Rehabilitation Capacity and Collaborations in Honduras. CCHSA Seminar. December 5, 2017.
- Angarita Fonseca Adriana. Physical activity and chronic back disorders in Canadian adults: Overview and preliminary results. CCHSA Seminar. March 27, 2018.

Volunteer Work

- Coordinator of the Scientific Committee of the IV International Meeting on Research and Experiences in Disability, Bucaramanga, Colombia. May 3-4, 2018.
- Coordinator of the Scientific Committee of the 1st International Meeting on Research in Children Neurorehabilitation, Bucaramanga, Colombia. August 23-24, 2018.
- Research assistant. Building Rehabilitation Capacity and Collaborations in Honduras Project.

Journal Editor

- Revista Facultad de Ciencias de la Salud UDES. <http://www.journalhealthsciences.com/index.php/UDES/index>

Funding

- 2017-2018 Research Connections. SHRF. Co-applicant. Saskatchewan Epidemiology Association's 17th annual fall symposium & workshop. CAD 3.600.

Testimonial

The Founding Chairs Fellowship supported me to understand clear differences between rural and urban areas on physical activity and chronic back disorders. It may present opportunities for designing, implementing and monitoring tailored health promotion efforts and health services policies for rural and remote populations.

Projects and publications

Google Scholar <https://scholar.google.com/citations?user=YdUL8YgAAAAJ&hl=en>

Researchgate https://www.researchgate.net/profile/Adriana_Angarita

LinkedIn <https://ca.linkedin.com/in/adriana-angarita-fonseca-a3153013>

ORCID: <https://orcid.org/0000-0003-3806-8468>

CV <http://scienti.colciencias.gov.co:8081/cv/lac/visualizador/generarCurriculoCv.do?codrh=0000799513>



ULFAT ARA KHANAM (Doctoral Award)

PROJECT TITLE

Predicting and validating asthma among rural and urban children

Ulfat completed her undergraduate in Bachelor of Medicine and Surgery (MBBS) from Rajshahi Medical College, University of Rajshahi, Bangladesh. She has been registered as a medical practitioner by the Bangladesh Medical and Dental Council (BMDC) since 2011. After completing her MBBS degree, she worked as a lecturer in the Department of Anatomy at Ibrahim Medical College, University of Dhaka, Bangladesh. After coming to Canada, she completed her MSc in Community and Population Health Sciences from the Department of Community Health and Epidemiology at the University of Saskatchewan under the supervision of Dr. Joshua Lawson. Currently, she is enrolled in a PhD program in the Department of Health Sciences under the supervision of Dr. Lawson. She has been awarded by the Founding Chairs Fellowship (2015-16, 2017-18), Entrance Scholarship (2018), and University Graduate Scholarship (UGS) (2019-2021).

Accomplishments during award period

Award: University Graduate Scholarship (UGS): 2019-2021, CAD 20,000 per year.

Publication:

- Khanam, U., Rennie, D., Davis, K., Lawson, J. Are dietary factors associated with lung function in Canadian adults? Canadian Journal of Dietetic Practice and Research. 2018 (submitted and currently under review).

Testimonial

Founding Chairs Fellowship helped me to progress my research in harmony which will assist me to obtain my research objectives focusing on asthma among Canadian rural and urban children.

Projects and publications

Researchgate https://www.researchgate.net/profile/Ulfat_Khanam

MAURICE MWESAWINA M'BANG'OMBE (Doctoral Award)

Project Title

Assessment of cholera transmission among fishermen and prospects for control in the Lake Chilwa region, Malawi

Maurice M'bang'ombe is an Epidemiologist heading Integrated Disease Surveillance and Response (IDSR) programme for the Ministry of Health in Malawi. He has been a champion of cholera prevention and control in Malawi as he is Principal Investigator on Cholera vaccine effectiveness study in Nsanje and Chikwawa and Cholera surveillance among fishermen on Lake Chilwa in Malawi where cholera is prone. He is a member of the Global Task Force for Cholera Control (GTFCC) which is led by the World Health Organization (WHO). He is a graduate student in the Department of Community Health and Epidemiology under the supervision of Dr. Bruce Reeder and Dr. Cordell Neudorf.



Accomplishments during award period

- Oral cholera vaccine in cholera prevention and control, Malawi.
- Mapping the burden of cholera in sub-Saharan Africa and implications for control: an analysis of data across geographical scales.
- Effectiveness of oral cholera vaccine to prevent cholera among fishermen in Lake Chilwa, Malawi.

Projects and Publications

Researchgate

https://www.researchgate.net/publication/325468391_Oral_cholera_vaccine_in_cholera_prevention_and_control_Malawi

https://www.researchgate.net/publication/323521037_Mapping_the_burden_of_cholera_in_subsaharan_Africa_and_implications_for_control_an_analysis_of_data_across_geographical_scales



UPKARDEEP SINGH PANDHER (Doctoral Award)

PROJECT TITLE

Unravelling the molecular and inflammatory nature of endotoxin and glyphosate inhalation exposure

Upkardeep S. Pandher is a Ph.D. candidate in the Health Sciences Program of College of Medicine. His research is based out at the Canadian Centre for Health and Safety in Agriculture (CCHSA), home to CFI-funded National Agricultural Industrial Hygiene Laboratory (NAIHL). Upkar is an alumni of NSERC CREATE ITraP (Integrated Training Program in Infectious Diseases, Food Safety and Public Policy) program based on the principle of One Health Science. Recently, he is graduated with Advanced Professional Skills Certificate. In 2017, he received DAAD (German Academic Exchange Service) and ZIBI International Grant to complete laboratory training and participate in the ZIBI Summer School at Germany. His primary research interests are focused on lung inflammation, and occupational exposures. Currently, he's using an animal model to study the lung inflammatory effects caused due to inhalation of agricultural environment contaminants, specifically, pesticides (glyphosate) and endotoxin. In addition, he is interested to learn more about the field of Aerobiology and Synchrotron Science. Before starting his Ph.D., he worked as a research fellow in a project focused on the pulmonary health of poultry workers. He has received his Bachelor and Master of Science in Biotechnology from India. During these programs, he is trained on techniques related to molecular biotechnology, and immunology disciplines. Apart from research, he loves to play or learn any team based sports.

Accomplishments during award period

- Agency: Respiratory Research Centre (RRC); Award Name: RRC Graduate Student Award (RRCGSA); Total Amount: \$ 10,000; Start & End Dates: Sept 2018 – 2019
- Agency: Health Sciences Graduate Program; Award Name: Health Sciences Graduate Scholarship (HSGS); Total Amount: \$ 24,000; Start & End Dates: Sept 2018 – 2019

Testimonial

Founding Chairs Fellowship is a great initiative to provide financial support to researchers along with their overall development which ultimately helps in achieving goals of CCHSA!

Projects and publications

Researchgate https://www.researchgate.net/profile/Upkardeep_Singh

LinkedIn <https://www.linkedin.com/in/upkardeep-singh-a9499a116/>

<http://www.cchsa-ccsma.usask.ca/people/students1/upkar-singh-pandher.php>

ROBYN REIST (Master's Award)

PROJECT TITLE

Quantifying Primary Risk Factors for Upper Extremity Disorders during Bovine Rectal Palpations

Robyn Reist grew up in Humboldt, Saskatchewan, and completed undergraduate degrees in Engineering Physics and Mathematics at the University of Saskatchewan in 2009. She worked for Cameco Corporation in radiation safety roles from 2010-2017. She joined the CCHSA's Ergonomics Lab as a research assistant in summer 2017 before starting a Master's program in Community and Population Health Science in fall 2017. She is supervised by Dr. Catherine Trask and is working on the Ergo-Vet project through the CCHSA's Ergonomics Lab. She is investigating individual and environmental risk factors associated with the veterinary task of bovine rectal palpations, and how these may contribute to the development of musculoskeletal disorders.



Accomplishments during award period

Publications

- Zeng X, Reist R, Jelinski M, Bath B, Erickson N, Clark C, Trask CM (2018). Musculoskeletal Discomfort among Canadian Bovine Practitioners: prevalence, impact on work, and perception of physically demanding tasks. *Canadian Veterinary Journal*. 59(8): 871-879 <https://www.ncbi.nlm.nih.gov/pubmed/30104779>
- Reist R, Bath B, Jelinski M, Trask C. (2019) Up to Our Elbows in Ergonomics: Quantifying the Risks of Bovine Rectal Palpations. In: Bagnara S, Tartaglia R, Albolino S, Alexander T, Fujita Y. (eds) *Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018)*. IEA 2018. *Advances in Intelligent Systems and Computing*, vol 820. Springer, Cham. https://doi.org/10.1007/978-3-319-96083-8_81

Presentations

- Zeng X, Reist R, Bath B, Jelinski M, Erickson N, Clark C, Trask CM. (2018). Musculoskeletal Symptoms among Canadian Beef and Dairy Veterinarians: how common are they and what is the impact? Poster presentation at 20th Congress International Ergonomics Association, Florence, August 26-30.
- Reist R, Bath B, Jelinski M, Trask CM. (2018). Up to our Elbows in Ergonomics: Quantifying the Risks of Bovine Rectal Palpations. Oral presentation at 20th Congress International Ergonomics Association, Florence, August 26-30.
- Reist R. (2018). Residential Radon and Lung Cancer: The Canadian Contribution. Finalist in the Anthony J. McKay Student Paper Contest, Canadian Radiation Protection Association conference, Quebec City, April 30-May 3.

Testimonial

I only received a limited amount of funding from the College of Medicine this year so the FCF was a huge help in supporting my studies during the first year of my MSc program. Through the seminar program I learned a lot about what other researchers in the CCHSA are doing and the work being done to support rural and agricultural populations in Saskatchewan, and am proud to be a part of this research community.

Projects and Publications

Ergo Lab <http://research-groups.usask.ca/ergolab/our-research/ergo-vet--assessing-the-ergonomic-demands-of-large-animal-veterinarians.php>

2016 - 2017

- David Schneberger (Postdoctoral Award)
- Arcadio Viveros Guzmán (Postdoctoral Award)
- Marcus Yung (Postdoctoral Award)
- Adriana Angarita Fonseca (PhD Award)
- Luan Manh Chu (PhD Award)
- Upkardeep Singh Pandher (PhD Award)
- Diana Murcia-Rodriguez (Master's Award)



DAVID SCHNEBERGER (Postdoctoral Award)

PROJECT TITLES

1. *Effect of low dose CO2 and ammonia on barn dust induced lung inflammation.*
2. *Barn Dust Exposure and Lung Inflammation in Animals and Workers– Role of Lung Surfactant.*

David is from Saskatoon, and has degrees in Microbiology, Veterinary Microbiology, and Veterinary Biomedical Sciences from the University of Saskatchewan. He has completed a postdoctoral fellowship at the University of Nebraska Medical Center, and returned home to start another postdoctoral fellowship with Dr. Shelley Kirychuk studying immune responses to organic dusts and co-exposures. He has received pilot grants for his work through the OneHealth Research Development fund and the College of Medicine Research (CoMRAD) fund.

Accomplishments during award period

In the last two years David has published three peer-reviewed papers, and co-authored a book chapter on lung vascular epithelial cells. He is currently working to submit two additional papers this year. He has also had the opportunity to advance his teaching by taking over the class in rural agricultural health (AGMD800.3) for a year. His current work has recently implicated workplace CO2 levels as being able to alter immune responses in the lung to environmental dusts.

Testimonial

Without the Founding Chairs Fellowship I would not have been able to return home and continue my work. The University of Saskatchewan has the specific equipment and expertise for me to carry on my work, especially with regards to workplace air exposure. I would not have been able to do this work anywhere else.

Projects and Publications

ResearchGate https://www.researchgate.net/profile/David_Schneberger

PubMed <https://www.ncbi.nlm.nih.gov/pubmed/?term=schneberger+d>

ARCADIO VIVEROS GUZMÁN (Postdoctoral Award)

PROJECT TITLE

Community-based education intervention to improve knowledge of One Health drivers of malnutrition in Amazonian communities in Peru

Arcadio is originally from Veracruz, Mexico. He completed his undergraduate degree in Agronomy and a Certificate in Organic Agriculture in the Faculty of Agricultural Sciences at the Universidad Veracruzana in Mexico. He then completed his Master's in Science in Tropical Agroecosystems at the Colegio de Postgraduados Campus Veracruz. In Canada, Arcadio went on to do his Master of Education in Educational Communications and a Doctoral Degree at the University of Saskatchewan. In 2016, he received the Founding Chairs Fellowship to pursue postdoctoral training to collaborate as a co-investigator in an international One Health-research project under the supervision of Dr. Shelley Kirychuk in the Canadian Centre for Health and Safety in Agriculture at the University of Saskatchewan. The ultimate goal of this study is to propose strategies that improve knowledge, attitudes, and practices that influence malnutrition.



Accomplishments during award period

During his postdoctoral fellowship, Arcadio developed a questionnaire-based survey, and its statistical/analytical methods, to identify risk factors related to the nutrition and health status of children and animals. Arcadio also collaborated in translating the survey into Spanish and in informing the ethics review application. During his postdoctoral fellowship, he also translated educational materials that concern occupational health and safety information and advice for Latino migrant farmworkers in Saskatchewan. Arcadio also shared the findings of his doctoral research with Mexican university professors who are directors and lead faculty members of three Undergraduate Programs focusing on Agricultural and Environmental Sciences, as well as Sustainable Development in Mexico. He was invited by the Journal of Agromedicine's Editorial Office to act as a reviewer of an agricultural health and safety paper submitted to such journal.

Testimonial

The Founding Chairs Fellowship that the Canadian Centre for Health and Safety in Agriculture awarded me, advanced my career by providing exceptional learning opportunities at the international level, and by enriching my scientific research skills that have been key to promoting the health and education of agricultural populations. In sum, the Founding Chairs Fellowship helped me to approach scientific research, agricultural health, and occupational safety through more interdisciplinary and comprehensive frameworks.



MARCUS YUNG (Postdoctoral Award)

PROJECT TITLE

Shaken, and Stirred: Exploring the Bonds Between Whole Body Vibration and Human Performance

Marcus Yung completed his undergraduate studies at Simon Fraser University in Kinesiology, and his Master of Science degree in biomechanics and PhD in Work and Health at the University of Waterloo. Currently, he is a Saskatchewan Health Research Foundation (SHRF) postdoctoral fellow at the Ergonomics Lab within the Canadian Centre for Health and Safety in Agriculture. His research focuses on measuring exposures and assessing risks in contemporary forms of work, with the goal of preventing deleterious acute effects, minimizing adverse long-term health outcomes, and optimizing occupational performance.

Accomplishments during award period

Publications

- Yung, M., Lang, A.E., Stobart, J., Kociolek, A.M., Milosavljevic, S., & Trask, C. “The combined fatigue effects of sequential exposure to whole body vibration and physical, mental, and concurrent work demands”. PlosOne. Accepted.
- Yung, M., Tennant, L., Milosavljevic, S., & Trask, C. “The multi-system effects of simulated whole body vibration on sensorimotor and cognitive performance”. Submitted.
- Yung, M., Manji, R., & Wells, R.P. (2017) “Exploring the relationship of task performance and physical and cognitive fatigue during a daylong light precision task”. *Human Factors*, 59(7), 1029-1047.
- Yung, M., & Wells, R.P. (2017) “Documenting the temporal pattern of fatigue development”. *IIE Transactions on Occupational Ergonomics and Human Factors*. In Print.
- Alwasel, A., Yung, M., Abdel-Rahman, E.M., Wells, R.P., & Hass, T. (2017) “Fatigue detection using phase-space warping”. *Journal of Biomechanical Engineering*. 139(3). DOI: 10.1115/1.4035367.

Presentations

- Yung, M., Milosavljevic, S., & Trask, C. “Exploring the acute effects of whole body vibration: A simulated vibration study using guideline thresholds”. 20th Congress International Ergonomics Association Conference. Submitted
- Yung, M., Milosavljevic, S., & Trask, C. “Investigating the sequential combined effects of whole body vibration and physical or mental work demands: Are fatigue effects additive?”. 20th Congress International Ergonomics Association Conference. Submitted.
- Yung, M. “Shaken, and stirred: Exploring the bonds between whole body vibration and human performance.” Canadian Centre for Health and Safety in Agriculture Seminar. (Invited Presentation)
- Yung, M. “Addressing the ergonomic challenges of contemporary work: Piecing together the puzzle of musculoskeletal disorder risk and work performance.” Division of General Medical Sciences, Washington University in St. Louis. (Invited Presentation).

- Yung, M., Tennant, L., Milosavljevic, S., & Trask, C. “Just shake it off: Is the human body tailored for whole body vibration.” Nordic Ergonomic Society Conference 2017. Lund, Sweden. (Oral).
- Yung, M., Lang, A., Kociolek, A.M., Milosavljevic, S., & Trask, C. “The combined multi-system effects of whole body vibration and physical and/or mental work demands.” Nordic Ergonomic Society Conference 2017. Lund, Sweden. (Oral).
- Yung, M., Milosavljevic, S., & Trask, C. “Are current international whole body vibration standards sufficient to reduce acute cognitive and sensorimotor effects?” Saskatchewan Epidemiology Association 17th Annual Fall Symposium & Workshop. Regina, Saskatchewan. (Poster)
- Bashiri, B., Milosavljevic, S., Yung, M., Trask, C. “Investigating the impact of whole body vibration on farm machinery egress performance: Developing a test protocol.” Canadian Society of Bioengineering Annual General Meeting and Technical Conference. Winnipeg, Manitoba. (Poster)
- Yung, M. “Novel ergonomic exposure assessment methods for contemporary work”. Grand Rounds, Department of Medicine, University of Saskatchewan. (Invited Presentation).
- Cockburn, A., Gutwin, C., Palanque, P., Deleris, Y., Trask, C., Coveney, A., Yung, M., & MacLean, K. “Turbulent touch: Touchscreen input for cockpit flight displays.” ACM Conference on Human Factors in Computing Systems (CHI) 2017. Denver, United States. (Oral).
- Yung, M., Stobart, J., Lang, A.E., Kociolek, A.M., Milosavljevic, S., & Trask, C. “Combined effects of whole body vibration and physically or mentally demanding tasks: Exploring potential for work schedule planning”. Canadian Association for Research on Work and Health. Toronto, Canada. (Oral).

Testimonial

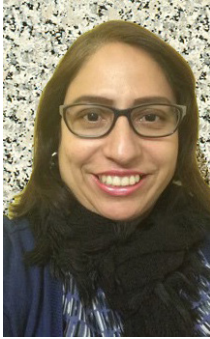
The Founding Chairs Fellowship program has afforded me the opportunity to conduct fruitful research in Agricultural Ergonomics, specifically investigations in the effects of whole body vibration exposure and strategies to mitigate musculoskeletal injury and accident risk. It is anticipated that this research will build capacity towards future research initiatives and provide preliminary practical insight for agricultural, rural and remote populations.

Projects and publications

Google Scholar <https://scholar.google.ca/citations?user=TF5YVAcAAAAJ&hl=en&oi=ao>

Researchgate https://www.researchgate.net/profile/Marcus_Yung

LinkedIn <https://www.linkedin.com/in/marcusyung/>



ADRIANA ANGARITA FONSECA (PhD Award)

PROJECT TITLE

A comparison of physical activity and chronic back disorders in Canadian adults among rural and urban dwellers

Adriana is from Bucaramanga, Colombia. She completed her undergraduate degree in physiotherapy and her Master’s in epidemiology at the Universidad Industrial de Santander. Also, she completed her Master’s in statistics at the Universidad de Valparaíso, Chile, before starting her doctoral training under the supervision of Dr. Catherine Trask and Dr. Brenna Bath at the U of S.

Accomplishments during award period

Funding

- Principal applicant: Catherine Trask. Co-applicant: Adriana Angarita Fonseca. Diana Sanchez Ramirez visiting scholar: Estimating the Burden of Injuries Among the Métis Nation of Alberta, Canada. \$1022 (Canadian dollar). Funding Source: Visiting Lecturer Fund, University of Saskatchewan.
- Principal applicant: Brandy Winquist. Co-applicant: Adriana Angarita Fonseca. Saskatchewan Epidemiology Association's 17th Annual Fall Symposium & Workshop. \$3600 (Canadian dollar). Funding Source: SHRF Research connections. <https://shrf.ca/Health-Research/Recipient-Details?recipID=4318>

Awards

- CIHR funding for the top 5% of doctoral students for participation in the Canadian Student Health Research Forum. June 6-7, 2017, Winnipeg. It was a competitive application process based on abstract and nomination from the CHEP Department. \$1000 (Canadian dollar).
- College of Medicine Graduate Award – \$54000 (Canadian dollar). It is awarded to outstanding graduate students in the College of Medicine.

Abstracts

- Boneth M, Marín RDP, Fernandez A, Ramirez C, Angarita A. Factores asociados a la prevalencia del dolor lumbar inespecífico en estudiantes de fisioterapia Bucaramanga 2015. Proceedings of the XXV Colombian Physiotherapy Congress. March 17-19, 2017. Bogotá, Colombia
- Angarita A, Trask C, Bath B. Does Moving More Improve Back Health?: Physical Activity and Chronic Back Disorders in Canadian Adults. Proceedings of the Canadian Student Health Research Forum. June 6-7, 2017, Winnipeg, Canada

- Boneth M, Niño D, Angarita A, Ortiz A, Marin J. Efectos del kinesiotaping sobre los parametros clinicos y funcionales de la marcha en adultos con lesion de ligamento cruzado anterior. Ensayo clinico controlado. I Encuentro Internacional de Investigación Universitaria. September 7, 8, 2017. Tujan, Colombia
- Boneth M, Hijuelos ML; Martínez RPMM; Angarita Fonseca A; Carrascal G; Guerra Y. “Asociación entre exceso de peso y dolor lumbar inespecífico en estudiantes universitarios, cohorte prospectiva-Colombia”. VII Encuentro Latinoamericano de Academicos en Fisioterapia y Kinesiología. Octubre 13-15, Lima, Perú

Invited lecturer

- PTH-862-02. Evidence Based Practice II. Epidemiological Research I. University of Saskatchewan. May 17, 2017. 2 hours.
- PTH-862-02. Evidence Based Practice II. Epidemiological Research II. Stats. University of Saskatchewan. May 24, 2017. 2 hours.

Journal Editor

- Revista Facultad de Ciencias de la Salud UDES. <http://www.journalhealthsciences.com/index.php/UDES/index>

Testimonial

I am sincerely grateful to the Founding Chairs Fellowship because I felt financially supported during this year. I did not have to worry about funding. It allowed me to focus on my studies to pass the comprehensive exam.

Projects and publications

Google Scholar <https://scholar.google.com/citations?user=YdUL8YgAAAAJ&hl=en>

Researchgate https://www.researchgate.net/profile/Adriana_Angarita

LinkedIn <https://ca.linkedin.com/in/adriana-angarita-fonseca-a3153013>

ORCID <https://orcid.org/0000-0003-3806-8468>

CV http://scienti.colciencias.gov.co:8081/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000799513



LUAN MANH CHU (PHD AWARD)

PROJECT TITLE

Farm exposures and prevalence of atopy among school-aged children: A focus on the Hutterite population (Updated to: Farm exposures and prevalence of atopy among school-aged children living in agricultural settings)

Luan Manh Chu is currently a Ph.D. student in the Department/College of Medicine at University of Saskatchewan (U of S), Canada. His research is based at the Canadian Centre for Health and Safety in Agriculture (CCHSA) under the supervision of [Dr. Joshua Lawson](#).

After three years of working at the National Institute for Food Control (Vietnam), Mr. Chu moved to Saskatoon with an undergraduate degree in Public Health from the Hanoi University of Public Health in Vietnam to pursue his further study. He completed his MSc program in the Department of Community Health and Epidemiology in August 2014. For his MSc, Mr. Chu completed an analysis looking at the prevalence and risk factors for atopy among rural dwelling school children in Saskatchewan. He used previously collected questionnaire and atopy skin prick testing data. Since September 2014 Mr. Chu has been enrolled in a Ph.D. program in Health Sciences at the University of Saskatchewan. For his Ph.D., Mr. Chu will build on his previous research by continuing to study allergic disease in unique farming populations. As part of this, he has been researching work completed with farming groups including Hutterites living in Saskatchewan.

Mr. Chu holds the Public Health and the Agricultural Rural Ecosystem (PHARE) fellowship (2014-2015), College of Medicine Devolved Scholarship (2015-2016), CCHSA Founding Chairs Fellowship (2015-2016) and was awarded a Saskatchewan Innovation & Opportunity Scholarships by the College of Graduate Studies and Research and a CCHSA Founding Chairs Fellowship (2016-2017).

Accomplishments during award period

- 2015-2016 Academic year: Received the Saskatchewan Innovation & Opportunity Scholarship by the College of Graduate Studies and Research, University of Saskatchewan
- 2016-2017 Academic year: Received the Saskatchewan Innovation & Opportunity Scholarship by the College of Graduate Studies and Research, University of Saskatchewan

Publications

- o Lawson J, Chu LM, Rennie D, Hagel L, Karunanayake C, Pahwa P, Dosman J. Prevalence, risk factors, and clinical outcomes of atopic and non-atopic asthma among rural children. *The Annals of Allergy, Asthma and Immunology*. 2017 Jan 10. pii: S1081-1206(16)31358-8. doi: 10.1016/j.anai.2016.11.024. [Epub ahead of print]

- o Chu LM, Pahwa P. Prevalence and associated factors for self-reported asthma in a Canadian population: The Canadian Community Health Survey, 2014. *Journal of Asthma*. 2017 Mar 27;1-9. doi: 10.1080/02770903.2017.1310228. [Epub ahead of print]

Testimonial

I was very fortunate to receive the 2015-2016 and 2016-2017 Founding Chairs Fellowship. These fellowships helped me both financially and academically. As an international student, any supplemental funding is extremely helpful, but the Founding Chairs Fellowship has a unique contribution to my academic progress and career. Being supported by my academic supervisor, Dr. Lawson, I was able to concentrate on my research and contribute to CCHSA as a PhD student by attending weekly seminar, interacting well with colleagues from CCHSA and being exposed to many other agricultural, rural and remote population-based research projects. By doing so, I had the opportunity to learn from what other researchers are doing and apply these skills to enhance my personal development skills needed for my future as a researcher.

Projects and publications

Researchgate https://www.researchgate.net/profile/Luan_Chu2

LinkedIn <https://www.linkedin.com/in/luan-manh-chu-8b99408b/>

CCHSA profile <http://www.cchsa-ccssma.usask.ca/people/students1/luan-manh-chu.php>



UPKARDEEP SINGH PANDHER (PhD Award)

PROJECT TITLE

Unravelling the molecular and inflammatory nature of endotoxin and glyphosate inhalation exposure.

Upkar is currently a Ph.D. Candidate in the Department/College of Medicine at University of Saskatchewan (U of S), Canada. He is a NSERC CREATE-ItraP (Integrated Training Program in Infectious Diseases, Food Safety and Public Policy) fellow. His research is based at the Canadian Centre for Health and Safety in Agriculture (CCHSA), home to CFI-funded National Agricultural Industrial Hygiene Laboratory (NAIHL). Recently, he has received a Graduate Professional Skills Certificate based at Gwenna Moss Centre for Teaching and Learning (GMCTL) and providing skills training to fellow graduate students. Upkar loves curling, skating (beginner), baseball, cricket etc.

Please follow this link for more information

<http://www.cchsa-ccssma.usask.ca/people/students1/upkar-singh-pandher.php>

Accomplishments during award period

- ZIBI International Travel Grant to attend ZIBI Summer School, 2016-17 in Berlin, Germany. Please follow this link for reflection on this experience <https://medicine.usask.ca/news/2017/mymd/training,-networking,-and-exploring-europe.php>
- NSERC CREATE Travel Grant to attend ITrAP Summer School, 2016-17 in Punjab, India.
- University of Saskatchewan Graduate Scholarship (2016-2019)
- College of Medicine Proficiency Award

Testimonial

Founding Chairs Fellowship provides an opportunity to interact or network with other agricultural researcher along with the financial support during the program.

Projects and publications

Researchgate https://www.researchgate.net/profile/Upkardeep_Singh

LinkedIn <https://www.linkedin.com/in/upkardeep-singh-a9499a116/>

CCHSA profile <http://www.cchsa-ccssma.usask.ca/people/students1/upkar-singh-pandher.php>



DIANA MURCIA-RODRIGUEZ (Master's Award)

2015 - 2016

- Adriana Angarita Fonseca (PhD Award)
- Allison Cammer (PhD Award)
- Luan Manh Chu (PhD Award)
- Ulfat Ara Khanam (Master's Award)
- Xiaoke Zeng (Master's Award)



ADRIANA ANGARITA FONSECA (PhD Award)

PROJECT TITLE

Low back pain in poultry industry workers: Prevalence, risk factors, consequences, and a cross-cultural comparison

Adriana Angarita Fonseca is a PhD student in the Department of Community Health and Epidemiology at the University of Saskatchewan. She received her Bachelor degree in Physiotherapy from Universidad Industrial de Santander (UIS), Colombia. She also got a Master’s degree in Epidemiology from Universidad de Santander (UIS) and a Master’s degree with highest distinction in Statistics from Universidad de Valparaiso, Chile. Prior to coming to Saskatoon, she worked as an assistant professor in the Physical Therapy Program at the Universidad de Santander (UDES), Colombia. She conducted several epidemiological studies and analyzed several datasets related to different aspects of health: disability; aging; posture; musculoskeletal pain; physical activity; fitness; exercise; health-related quality of life; health services, and obesity. Currently, her main research interest is musculoskeletal epidemiology, particularly low back pain. In addition, the Administrative Department of Science, Technology, and Innovation -Colciencias- from Colombia recognized her as a associate researcher for the period April 2015 - April 2017.

Accomplishments during award period

On March 22, 2016, I was the a presenter in CCHSA Seminar, talking about “Inequities in access to outpatient and emergency care in Colombia: results from the 2013 National Survey of Quality of Life”. I applied for a 2015-2016 CIHR Fellowship for external financial support. My rank was 505 out of 1018 applicants, of which the first 15 received the funding.

Awards

- Canadian Association for Research on Work and Health student travel award to attend the 9th Biennial Conference of the Canadian Association for Research on Work and Health. October 16-18, 2016, Toronto. It was a competitive application process based on abstract and trainee statement. \$900 (Canadian dollar).
- Canadian Society of Epidemiology and Biostatistics (CSEB) Student Travel Award –to attend the 2016 Canadian Society of Epidemiology and Biostatistics Student Conference. June 8-10, 2016, Winnipeg. S300 (Canadian dollar).

Abstracts

- Angarita-Fonseca A, Jacome-Hortua AM, Gonzalez-Bonilla MP, Silva-Guerra EV, Suarez-Hernández RM. (2016). Ergonomics factors and low-back pain among office workers in a private university in Colombia: across-sectional study. Ninth International Scientific Conference on the Prevention of Work-Related Musculoskeletal Disorders (PREMUS 2016). June 20 - 23, 2016. Toronto, Canada
- Angarita-Fonseca A, Henriquez-Roldan CF, Navarro-Villarroel C, Prada GE. (2016). Association between income and nutritional status in Chilean children: A secondary analysis of Chilean National Socioeconomic Characterization Survey, 2011. Epidemiology Congress of Americas 2016. June 21-24, 2016. Miami, Florida.

- Martínez-Rueda R, Angarita A, Alba PL, Saavedra I.(2016). Fitness self-perception in rugby players in Colombia: Part I.European College of Exercise Science **2016. JULY** 6-9, 2016. Vienna, Austria
- Martínez-Rueda, Rosmary; Angarita, Adriana; Puzovic, Vladimir.(2015). Lifestyle of Rugby players in Colombia: A pilot study. 20th annual congress of the European College of Sport Science. June 24-27, 2015. Malmo, Sweden.

Posters

- Angarita-Fonseca A, González-Bonilla MP, Silva-Guerra EV, Suarez-Hernández RM, Jácome-Hortua AM. (2016). Risk factors associated with self-reported neck pain among officeworkers in a private university of Colombia: a cross-sectional study. Canadian Association for Research on Work and Health Conference, 2016. October 16-18, 2016. Toronto, Canada
- Angarita-Fonseca A, Trask C, Bath B.(2016). Physical activity and chronic back disorders in Canadian adults.Canadian Research Data Center Network 2016 National Conference Program. October 31, 2016. Saskatoon, Canada
- Angarita-Fonseca, Trask C, Bath B.(2016). Factors associated with changes or intentions to change physical activity among Canadians with chronic back disorders. Saskatchewan Epidemiology Association's 16th Annual Symposium. November 2, 2016. Saskatoon, Canada
- Angarita-Fonseca A, Pinzon MI,Martinez-Marin RP.(2016). Relationship between socioeconomic status and access to primary prevention in Colombia, 2013.The 23rd Annual Life and Health Sciences Research Day. March 11, 2016. Saskatoon, Canada
- Angarita-Fonseca, Adriana; Sanchez-Delgado, Juan Carlos; Jacome-Hortua, Adriana; Pinzon, Sandra. (2015). Reliability of the Cardiac Rehabilitation Barriers Scale. Saskatchewan Epidemiology Association (SEA) 15th Annual Fall Symposium. November 5, 2015. Saskatoon, Canada

Publications

- Herrera-Anaya, Elizabeth; Angarita-Fonseca, Adriana; Herrera-Galindo, Victor Mauricio; Martinez- Marin, Rocio del Pilar; Rodriguez-Bayona, Cindy Nayara.(2016). Association of gross motor function and nutritional status among children with cerebral palsy: A cross-sectional study from Colombia. *Developmental Medicine & Child Neurology*. ISSN: 1469-8749. 58(9): 936-41.
- Sanchez, Juan Carlos; Angarita-Fonseca, Adriana; Jacome, Adriana; Malaver, Jesica; Aponte, Erick Schmalbach; Diaz, Catalina. Barreras para la participación en programas de rehabilitación cardiaca posrevascularización percutánea por enfermedad coronaria.(2016). [Barriers to participation in cardiac rehabilitation programs after percutaneous revascularization for coronary heart disease]. *Revista Colombiana de Cardiología*. ISSN: 0120-5633. 23(2): 141–147.
- Angarita Adriana, Prada Gloria Esperanza, Mendoza Gloria, Hernández Maria. Factores socioeconómicos asociados a retraso en talla en preescolares asistentes a una institución educativa de Floridablanca, Colombia. *Revista Chilena de Nutrición*. (2016). [Socioeconomic factors associated with stunting in preschool attending an educational institution of Floridablanca, Colombia]. *Revista Chilena de Nutrición*. ISSN: 0717-7518. 43(2): 116-123.

- Sánchez Delgado, Juan Carlos; Escobar Pinzón, Soel Ginneth; Vega Camacho, José David; Porras Solano, Anghelo Javier; Angarita Fonseca, Adriana. Actitudes hacia el ejercicio físico y práctica de actividad física en profesionales de la salud: Estudio de corte transversal, 2015.(2016). Attitudes towards exercise and physical activity in health professionals: A cross-sectional study, 2015 . Archivos de Medicina. ISSN: 1657-320X.16(2)
- Angarita Adriana, Prada Gloria Esperanza, Mendoza Gloria, Hernández Maria. Factores socioeconómicos asociados a retraso en talla en preescolares asistentes a una institución educativa de Floridablanca, Colombia. Revista Chilena de Nutricion. (2016). [Socioeconomic factors associated with stunting in preschool attending an educational institution of Floridablanca, Colombia]. Revista Chilena de Nutrición. ISSN: 0717-7518. 43(2): 116-123.

Invited lecturer

- PTH-862-02. Evidence Based Practice II. Epidemiological Research. Stats. University of Saskatchewan.

Testimonial

It is with my greatest and deepest appreciation I say thank you to the Founding Chairs Fellowship committee for selecting me as a scholarship recipient. The Founding Chairs Fellowship is allowing me to study a field I am passionate about.

Projects and publications

Google Scholar <https://scholar.google.com/citations?user=YdUL8YgAAAAJ&hl=en>
 Researchgate https://www.researchgate.net/profile/Adriana_Angarita
 LinkedIn <https://ca.linkedin.com/in/adriana-angarita-fonseca-a3153013>
 ORCID <https://orcid.org/0000-0003-3806-8468>
 CV http://scienti.colciencias.gov.co:8081/cvlac/visualizador/generarCurriculoCv.do?cod_rh=0000799513



ALLISON CAMMER (PhD Award)

LUAN MANH CHU (PHD AWARD)

PROJECT TITLE

Farm exposures and prevalence of atopy among school-aged children: A focus on the Hutterite population (Updated to: Farm exposures and prevalence of atopy among school-aged children living in agricultural settings)

Luan Manh Chu is currently a Ph.D. student in the Department/College of Medicine at University of Saskatchewan (U of S), Canada. His research is based at the Canadian Centre for Health and Safety in Agriculture (CCHSA) under the supervision of [Dr. Joshua Lawson.](#)



After three years of working at the National Institute for Food Control (Vietnam), Mr. Chu moved to Saskatoon with an undergraduate degree in Public Health from the Hanoi University of Public Health in Vietnam to pursue his further study. He completed his MSc program in the Department of Community Health and Epidemiology in August 2014. For his MSc, Mr. Chu completed an analysis looking at the prevalence and risk factors for atopy among rural dwelling school children in Saskatchewan. He used previously collected questionnaire and atopy skin prick testing data. Since September 2014 Mr. Chu has been enrolled in a Ph.D. program in Health Sciences at the University of Saskatchewan. For his Ph.D., Mr. Chu will build on his previous research by continuing to study allergic disease in unique farming populations. As part of this, he has been researching work completed with farming groups including Hutterites living in Saskatchewan.

Mr. Chu holds the Public Health and the Agricultural Rural Ecosystem (PHARE) fellowship (2014-2015), College of Medicine Devolved Scholarship (2015-2016), CCHSA Founding Chairs Fellowship (2015-2016) and was awarded a Saskatchewan Innovation & Opportunity Scholarships by the College of Graduate Studies and Research and a CCHSA Founding Chairs Fellowship (2016-2017).

Accomplishments during fellowship period

- 2015-2016 Academic year: Received the Saskatchewan Innovation & Opportunity Scholarship by the College of Graduate Studies and Research, University of Saskatchewan
- 2016-2017 Academic year: Received the Saskatchewan Innovation & Opportunity Scholarship by the College of Graduate Studies and Research, University of Saskatchewan

Publications

- Lawson J, Chu LM, Rennie D, Hagel L, Karunanayake C, Pahwa P, Dosman J. Prevalence, risk factors, and clinical outcomes of atopic and non-atopic asthma among rural children. *The Annals of Allergy, Asthma and Immunology*. 2017 Jan 10. pii: S1081-1206(16)31358-8. doi: 10.1016/j.anai.2016.11.024. [Epub ahead of print]
- Chu LM, Pahwa P. Prevalence and associated factors for self-reported asthma in a Canadian population: The Canadian Community Health Survey, 2014. *Journal of Asthma*. 2017 Mar 27:1-9. doi: 10.1080/02770903.2017.1310228. [Epub ahead of print]

Testimonial

I was very fortunate to receive the 2015-2016 and 2016-2017 Founding Chairs Fellowship. These fellowships helped me both financially and academically. As an international student, any supplemental funding is extremely helpful, but the Founding Chairs Fellowship has a unique contribution to my academic progress and career. Being supported by my academic supervisor, Dr. Lawson, I was able to concentrate on my research and contribute to CCHSA as a PhD student by attending weekly seminar, interacting well with colleagues from CCHSA and being exposed to many other agricultural, rural and remote population-based research projects. By doing so, I had the opportunity to learn from what other researchers are doing and apply these skills to enhance my personal development skills needed for my future as a researcher.

Projects and publications

Researchgate https://www.researchgate.net/profile/Luan_Chu2
 LinkedIn <https://www.linkedin.com/in/luan-manh-chu-8b99408b/>
 CCHSA profile <http://www.cchsa-ccsma.usask.ca/people/students1/luan-manh-chu.php>



ULFAT ARA KHANAM (Master’s Award)

PROJECT TITLE

Are dietary factors associated with lung function in Canadian adults?

Ulfat completed her undergraduate in Bachelor of Medicine and Surgery (MBBS) from Rajshahi Medical College, University of Rajshahi, Bangladesh. After completing her MBBS degree, she worked as a lecturer in the Department of Anatomy at Ibrahim Medical College, University of Dhaka, Bangladesh. Currently, she is enrolled in an MSc program in the Department of Community Health and Epidemiology under the supervision of Dr. Joshua Lawson. She will start PhD program in the Department of Health Sciences from January 2018 under the supervision of Dr. Lawson.

Accomplishments during award period

- o CCHSA seminar presentation, 2016
- o CH & E Research Day presentation, 2016

Testimonial

The financial support by the Founding Chairs Fellowship is greatly acknowledged to carry out this research.

Projects and publications

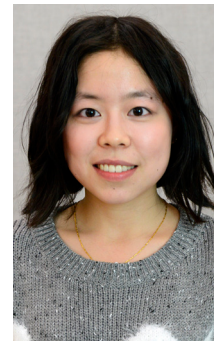
Researchgate https://www.researchgate.net/profile/Ulfat_Khanam

XIAOKE ZENG (MASTER'S AWARD)

PROJECT TITLE

Modeling Predictors of Whole Body Vibration Exposure among Saskatchewan Farmers: a Key Step in Low Back Disorder Prevention

Xiaoke Zeng has a BSc degree in Preventive Medicine from the Huazhong University of Science and Technology, China, 2014. She completed her MSc in Community and Population Health Sciences from the Department of Community Health and Epidemiology at the University of Saskatchewan in 2016. Her thesis work was “Modeling Predictors of Whole Body Vibration Exposure among Saskatchewan Farmers: a Key Step in Low Back Disorder Prevention,” and her primary supervisor was Dr. Catherine Trask. Following her degree, she worked as a research assistant on several ErgoLab projects. She has a keen research interest in workplace exposures: the assessments, health effects, and interventions. She is currently pursuing a Ph.D. in occupational and environmental health at the University of Toronto.



Accomplishments during award period

Second Place Best Poster Award: Zeng X, Kociolek AM, Khan MI, Bath B, Trask C (2015) From combines to horses: measuring whole-body vibration exposure among Saskatchewan farmers; Saskatchewan Epidemiology Association (SEA) 15th Annual Fall Symposium. November 5-6, Regina, Canada.

Testimonial

The Founding Chairs Fellowship allows me to focus intensely on my research area, which as a result, I was able to finish the three drafts of manuscripts that have all been published in 2017. This fellowship also provided opportunities for me to work on the CCHSA and Ergolab websites including the knowledge translation of study findings to rural farmers and equipping me with another set of IT skills.

Projects and publications

Google Scholar https://scholar.google.ca/citations?hl=en&view_op=list_works&gmla=AJsN-F6jXt7Lpe_jjfU-4GIVic1uYuxDcugqT4wz3uOw98Mq30XGjvAA3ZPpyINs19ZPxlvVVv3czkp1PJZbf5klgghVt2m4ig&user=Ou3u3jcAAAAJ

Researchgate https://www.researchgate.net/profile/Xiaoke_Zeng

2014 - 2015

- Olubenga Adebayo (PhD Award)
- Muhammad Idrees Khan (PhD Award)
- Olasoji Olakunle Awoyera (Master's Award)
- Samuel Essien (Master's Award)

OLUBENGA ADEBAYO (PhD Award)



MUHAMMAD IDREES KHAN (PhD Award)

PROJECT TITLE

Trunk posture is a risk factor for Low Back Disorder in Saskatchewan Farmers

Muhammad Idrees Khan is a M.Sc. Candidate (Department of Community Health and Epidemiology) under the supervision of Dr. Catherine Trask (Canadian Center for Health and Safety in Agriculture). Muhammad Khan got his undergraduate degree in Bachelor of Science in Pharmacy from Gomal University D.I.Khan Pakistan (1998). He worked as a Regional Manager with Merck Pharmaceutical Pvt LTD (1998-2005). He got his MBA degree from Preston University USA (2000), MSc Biochemistry from University of Waterloo Ontario Canada (2009). After his Master's degree in Biochemistry he worked as a research assistant in Dr. Richard Epand lab at McMaster University, Department of Biochemistry and Biomedical Sciences (2009-2011). He graduated with Master of Public Health degree from University of Saskatchewan, School of Public Health (2013). His M.Sc. research project is on "Trunk posture is a risk factor for low back disorder in Saskatchewan Farmers" (2014-present). He wants to make his future career in academia as a researcher.



Accomplishments during award period

Publications

- Zeng, X., Kociolek, A. M., Khan, M. I., Milosavljevic, S., Bath, B., & Trask, C. M. (2017). Predicting Whole-Body Vibration Exposure in Canadian Prairie Farmers. *Annals of work exposures and health*. <http://www.ncbi.nlm.nih.gov/pubmed/28371869>
- Zeng, X., Kociolek, A. M., Khan, M. I., Milosavljevic, S., Bath, B., & Trask, C. (2016). Whole body vibration exposure patterns in Canadian prairie farmers. *Ergonomics*, 1-10. <https://www.tandfonline.com/doi/full/10.1080/00140139.2016.1252859>
- Essien, S., Khan, M. I., Boden, C., Bath, B., Trask, C. (2015). Association between whole body vibration and low back disorders in farmers: a scoping review. Submitted to: *Journal of Agromedicine*. <http://dx.doi.org/10.1080/1059924X.2017.1383333>
- Trask, C., Khan, M. I., Adebayo, O., Boden, C., Bath, B. (2014). Equity in Whom gets studied: A systematic review examining geographical region, gender, commodity, and employment context in research of low back disorders in farmers. *Journal of Agromedicine* volume 20, No-3, 2015. <https://www.ncbi.nlm.nih.gov/pubmed/26237717>

Presentations

- Khan, M.I., Essien.S.K, Bath. B, Boden. C. Manual Material handling as risk factor for low back disorder in farmers: A systematic review. Saskatchewan Epidemiology Association (SEA) Annual Conference. November 2015, Regina, Canada.
- Seminar presentation; Trunk posture is risk factor for low back disorder in Saskatchewan farmers, presented at Canadian Center for Health and Safety in Agriculture, December 2015.
- Khan, M. I., Trask, C., Adebayo, O., Boden, C., Bath, B. (2014). Who gets studied? Examining inequities in the low back disorder literature. 7th International Symposium on Agricultural and Rural Health, Saskatoon, Canada, October 19-22, 2014
- Posture is a risk factor for low back disorder in farmers: A systematic review; poster presented in Saskatchewan Epidemiology Symposium, November 2014, Saskatoon.

Testimonial

Founding Chairs Fellowship help me financially during my studies. It helped me to pay my tuition fee and purchase books for my research and course studies. I am thankful for Founding Chair support.

Projects and publications

Bath B, Jaindl B, Dykes L, Coulthard J, Naylen J, Rocheleau N, Clay L, Khan M, Trask C. Get 'Er Done: Experiences of Canadian Farmers Living with Chronic Low Back Disorders. Submitted to Journal Physiotherapy Canada

Zeng, X., Kociolek, A. M., Khan, M. I., Milosavljevic, S., Bath, B., & Trask, C. M. (2017). Predicting Whole-Body Vibration Exposure in Canadian Prairie Farmers. *Annals of work exposures and health*. <http://www.ncbi.nlm.nih.gov/pubmed/28371869>

Zeng, X., Kociolek, A. M., Khan, M. I., Milosavljevic, S., Bath, B., & Trask, C. (2016). Whole body vibration exposure patterns in Canadian prairie farmers. *Ergonomics*, 1-10. <https://www.tandfonline.com/doi/full/10.1080/00140139.2016.1252859>

Essien, S., Khan, M. I., Boden, C., Bath, B., Trask, C. (2015) Association between whole body vibration and low back disorders in farmers: a scoping review. Submitted to: *Journal of Agromedicine*. <http://dx.doi.org/10.1080/1059924X.2017.1383333>

Trask, C., Khan, M. I., Adebayo, O., Boden, C., Bath, B. (2014). Equity in Whom gets studied: A systematic review examining geographical region, gender, commodity, and employment context in research of low back disorders in farmers. *Journal of Agromedicine* volume 20, No-3, 2015. <https://www.ncbi.nlm.nih.gov/pubmed/26237717>

OLASOJI OLAKUNLE AWOYERA (Master's Award)

PROJECT TITLE

Endotoxin levels and their association with respiratory outcome in Saskatchewan 2 communities.

Olasoji is from south west Nigeria. He completed his undergraduate degrees in Nigeria and Finland. He is under the supervision of Dr. G. Katselis and Dr. S. Kirychuk for his Master's program.



Accomplishments during award period

Certificate of Excellence: Won competitive 2nd Best Position at the Student Research Day of the Department of Community Health & Epidemiology, College of Medicine, University of Saskatchewan, Canada. Feb. 5th, 2015.

Testimonial

I appreciate the opportunity, it helped me with my tuition fees during the period.

SAMUEL ESSIEN (Master's Award)



