



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health

**UNIVERSITY OF CALGARY | O'Brien Institute for Public Health**

# **2019 SUMMARIES OF GROUPS, CENTRES, AND UNITS**

**&**

# **BIOGRAPHY OF REPRESENTATIVES**

Prepared for:

**O'Brien Institute for Public Health  
International Scientific Advisory Group**

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# BRENDA STRAFFORD CENTRE ON AGING



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health  
Brenda Strafford Centre on Aging

In February 2011, the [Brenda Strafford Foundation](#) and University of Calgary signed an endowed gift agreement establishing the Brenda Strafford Centre on Aging. Both organizations agreed that the aim of Centre is:

*"To enhance health and wellness of seniors and better inform public policy with regard to seniors' issues through coordinated research, teaching and learning, and community outreach efforts."*

In 2016, the Centre moved under the umbrella of the O'Brien Institute for Public Health, to build its capacity to serve as an administrative and collaborative hub for University of Calgary aging research and interdisciplinary educational programming undertaken by the faculties of [Kinesiology](#), [Medicine](#), [Nursing](#), [Social Work](#) and others as the Centre grows.



## DAVID HOGAN – ACADEMIC LEAD

**Professor, Department of Medicine**

Born in Baie Comeau QC, David attended universities in Nova Scotia, Alberta, and Ontario. A specialist in internal medicine and sub-specialist in geriatric medicine, he joined the University of Calgary in 1990 where he held the *Brenda Strafford Foundation Chair in Geriatric Medicine* for 25-years and is now the Academic Lead of the *Brenda Strafford Centre on Aging* (O'Brien Institute for Public Health). He served as Chair of the Royal College of Physicians and Surgeons of Canada (RCPSC) Specialty Committee in Geriatric Medicine, President of the Canadian Geriatrics Society, and editor of the Canadian Geriatrics Journal. David has authored over 600 abstracts, articles, and book

chapters including 287 peer-reviewed publications. Research interests include cognitive impairment & dementia, disability, frailty, falls, population therapeutics, and health services for older populations. David is the PI of the *CLSA Calgary Data Collection Site*.



## ANN TOOHEY – SCIENTIFIC COORDINATOR

**Scientific Coordinator, Brenda Strafford Centre on Aging**

Ann Toohey completed her PhD in the Population & Public Health Stream of the University of Calgary's [Department of Community Health Sciences](#). Her interdisciplinary research program has integrated growing understandings of the health-promoting potential of pets for older adults into underlying conceptualizations of age-friendly cities. Her approach delves into policy implications of promoting aging-in-place in ways that also promote social justice. Ann has also worked in both municipal government and non-profit sectors in a variety of capacities, including facility-based

research and policy development, funds development, and communications.

# GEOGRAPHY OF HEALTH AND GIS ANALYSIS



**UNIVERSITY OF CALGARY**

O'Brien Institute for Public Health

Geography of Health and GIS Analysis Research Group

Health geography studies the relationships between health and place. It is concerned with the interactions of people, society, place, space, and the environment. Health geography is known for its contributions to understanding the spatial pattern and diffusion of disease, environmental exposures, and the location and accessibility of health services. Health geographers practice and promote spatial thinking in the health sciences. Geographies of health encompass a plurality of research paradigms and methodologies, including Geographic Information Systems (GIS) and spatial data analysis. The GoH group supports geographical enquiry and spatial thinking in population and public health. Our group serves as a hub, connecting geographical expertise with health research and practice. Recent and ongoing activities of the GoH group include the organization of high profile [events](#) and successful hands-on workshops to disseminate knowledge and awareness of health geography and GIS. [View annual reports](#)



**STEFANIA BERTAZZON – CO-LEAD**

**Professor, Department of Geography**

Stefania's research focuses on health geography. Her work on environmental and socioeconomic determinants of health includes land use regression (LUR) models to estimate air pollution at fine spatial scale, models of ocean pollution and maritime activities, and analyses of the association of health, socio-economic status, and the built environment. She collaborates on a variety of health research projects, contributing to address questions of location, accessibility, and the spatial determinants of health. Her research in GIS and spatial statistical analysis helps to increase the reliability of spatial models.



**ALKA PATEL – CO-LEAD**

**Adjunct Assistant Professor, Department of Community Health Sciences**

Dr. Alka Patel, PhD is a health services researcher and adjunct assistant professor in the Department of Community Health Sciences at the University of Calgary. Her primary affiliation is with Alberta Health Services on the Provincial Primary Health Care team as Director of Health Services Research and Innovation. Her program of research centers on health geography and using geographic information systems (GIS) to understand access to health services.



## RIZWAN SHAHID – CO-LEAD

**Adjunct Assistant Professor, Department of Geography**

Rizwan has a PhD in Geography. His research was focused on childhood obesity and environmental factors by integrating local spatial analysis and dynamic simulation modeling. Rizwan also has a Master's in GIS (MGIS) and a Master's in Computer Sciences.

He has over 20 years of professional experience utilizing his geographic information science and spatial analytical skills in a variety of projects. Rizwan has been working at Alberta Health Services since 2005 where he is actively involved in applied geography research and in the design and development of GIS since 2005. He also leads a GIS group there. Rizwan also holds a position as adjunct assistant professor with the Department of Geography, University of Calgary. He is a GIS Chartered Geographer (CGeog – GIS) and a certified GIS Professional (GISP) and served on the GISCI (GIS Certification Institute) Reviewer committee from 2006 to 2015. He has also served on the Communication Committee of GeoAlberta annual conferences and on URISA (Urban and Regional Information System Association) Education Board.

# GLOBAL HEALTH



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health  
Global Health Research Group

Global health research focuses on the transnational determinants of health and works across disciplines to address health inequalities both at home and abroad. The goal of the Global Health research group is to create linkages between individuals within the University of Calgary and at other Canadian Universities, and across disciplines to facilitate transdisciplinary collaboration on global health issues. We will serve as a hub for resources and best practices regarding Global Health, and can facilitate networking opportunities for those engaged in global health research.

For more information please visit the Global Health and International Partnerships website: [www.ucalgary.ca/ghealth](http://www.ucalgary.ca/ghealth).



## JENNIFER HATFIELD - REPRESENTATIVE

**Professor, Department of Community Health Sciences**

Dr. Hatfield was Associate Dean, Global Health and International Partnerships from 2009-2014 and has recently completed her term as Associate Dean Strategic Partnerships and Community Engagement in the Cumming School of Medicine 2014-2019). She is a researcher, educator and leader in global health with a focus on public health, gender, and maternal and new born child health in low and middle income countries. She is dedicated to promoting scholarship in the area of global health research governance that promotes ethical and equitable partnerships and principles.

Most recently she has worked on initiatives to build capacity at the Cumming School in indigenous health.

Dr. Hatfield is leading many innovative research projects around the world on behalf of Canada and the University of Calgary. She is co-leader of the One Health Field School in Tanzania and is engaged in the development of two Schools of Public Health, one in Tanzania and one in Nepal. As a Senior Mentor for the United Nations Institute for Training and Research, she participated in post-conflict reconstruction leadership development projects with health sector, civil service and NGO professionals in Afghanistan. As co-chair of the Canadian Coalition for Global Health Task Group on Global Health Research Partnerships, Dr. Hatfield was part of an international leadership team working to promote and improve partnerships between researchers in Canada and lower and middle-income countries.

Over the last five years she was the Chair of the Canadian University Advisory Council on Global Health Research which unites 24 universities across Canada in their efforts to build capacity in Canada and abroad. Through her work as a mentor and facilitator, she has supervised dozens of graduate and undergraduate student research projects in Canada and abroad. She is committed to both building the capacity of the Cumming School of Medicine to respond to global health challenges and to ensuring that the next generation of researchers and clinicians will be ready for the future as global citizens.

# HEALTH ECONOMICS



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health  
Health Economics Research Group

**Mission:** Training the next generation of Health Economics Researchers & improving linkages between Health Economics and policy makers.

**Vision:** To raise the profile and expand the reach of Health Economics at the University of Calgary.

The University of Calgary Health Economics Group includes a dedicated group of faculty who are committed to teaching in Health Economics and conducting a broad range of research within Health Economics. We seek to build capacity among faculty and trainees; foster links to policy-makers; enhance opportunities for training in Health Economics; and act as a catalyst for high quality research in Health Economics. This will increase the impact of health economics research at the University of Calgary and increase the national and international profile of Calgary-based applied health economics research. [Click here](#) to meet our team.

[View annual reports](#)



## BRADEN MANNS – CO-LEAD

**Svare Professor in Health Economics, Departments of Community Health Sciences & Medicine**

Dr. Braden Manns is a Professor in Health Economics, a Kidney Specialist at the University of Calgary and the Associate Chief Medical Officer for the Alberta Health Services' Strategic Clinical Networks. He has experience in pharmaceutical priority setting, including a term as Chair of Canadian Expert Drug Advisory Committee, and patient oriented research. His research expertise is in applied health economics. Current research interests include examining the implications of patient-borne costs on care and outcomes in chronic disease, examining the cost effectiveness of health care policies for managing patients with chronic disease, and assessing the

implications of different ways to pay physicians.



## DEBORAH MARSHALL – CO-LEAD

**AJE Child Chair Rheumatology & Professor, Departments of Community Health Sciences & Medicine**

Deborah A Marshall is the Arthur J.E. Child Chair of Rheumatology Outcomes Research and former Canada Research Chair, Health Services and Systems Research (2008-2018). In addition, she is a member of the O'Brien Institute for Public Health and the McCaig Institute of Bone and Joint Health and a Senior Scientist at Arthritis Research Canada.

Dr. Marshall has experience in technology assessment agencies, academia and pharmaceutical and diagnostics industry research settings in Canada, the United

States, and Europe. Dr. Marshall focuses her research program on methods to improve the effectiveness and efficiency of health care services in the context of precision medicine and patient-centeredness. Her research assesses the value of health care interventions through measurement of patient preferences, cost-effectiveness analysis, and simulation modeling of health care.

# HEALTH TECHNOLOGY ASSESSMENT UNIT



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health  
Health Technology Assessment Unit

**Who we are:** At the HTA Unit, we are a team of dedicated health services researchers who are passionate about bridging the gap between science and policy. Together, we offer a unique skill set in systematic reviews, health economics, program evaluation and research design and methodology.

**Vision:** To be a leader in supporting evidence-informed health policy with innovative and relevant research

**Mission:** To complete health technology assessments to support evidence-informed health policy in Alberta; to use innovative research as a tool to integrate evidence into policy; to promote the flow of research to policy; and to create a receptive audience for evidence-informed health policy

## **Our Values:**

- Evidence-informed policy
- Research should work for the common good
- An ideal work environment should nurture creativity, encourage talent and support work-life balance
- Never stop learning

**What we do:** We conduct health technology assessments and reassessments for a wide variety of interventions and stakeholders meant to address a broad range of health policy questions. As a partner in the Alberta Health Technologies Decision Process, we support achieving optimal use of technologies throughout their lifetime. Our innovative research program includes health technology assessments, economic evaluation, reimbursement decision-making and health technology reassessment. We actively build capacity in both the evidence producing and evidence receiving communities through traditional graduate training and leading-edge continuous learning opportunities.



## **FIONA CLEMENT – DIRECTOR, HTA UNIT**

**Associate Professor, Department of Community Health Sciences**

Dr. Clement has extensive training in Health Services Research, Health Economics and Health Policy. She is the Director of the Health Technology Assessment Unit within the O'Brien Institute for Public Health; a policy responsive research unit that completes evidence synthesis, economic evaluations, health technology assessments and reassessments in response to decision-makers' needs. Her research interests include drug and non-drug technology reimbursement and cost containment policy, evidence in decision-making, and evidence in health policy development. In 2014, she was selected as the Canadian Harkness fellow; a unique opportunity to study US healthcare policy. She has also received the Maurice McGregor Award for outstanding leadership and excellence in HTA in Canada. She is the first from Alberta to be awarded either of these awards. As a result, in 2015, she was named one of Calgary's Top 40 under 40 for her work in health policy.

# HEALTH POLICY COUNCIL

The mission of the O'Brien Institute for Public Health is *“to produce evidence that informs health policy and practice.”*

To that end, the Health Policy Council is working toward three main aims:

- Providing a central hub at the University of Calgary for scholarship on policies pertaining to both population health and health services (hereafter, health policy).
- Increasing recognition for expertise, housed at the University of Calgary and in partnered organizations, regarding health policy.
- Enhancing opportunities to conduct and apply scholarship on health policy, by increasing the likelihood of securing peer-reviewed research funding (*e.g.*, awards from CIHR and SSHRC, and contracts from governmental and non-governmental organizations) and philanthropic donations.

The Council includes a strategic arm and an operational planning arms, and has been formed to support the Institute's core team in developing a vision, mission and values for the Institute's health policy endeavor. Internal and external environmental scans are framing Council discussions, while in parallel a founding principles document underscores our evolution. Our Health Policy initiative will focus on process expertise more than content expertise, including knowledge synthesis, diplomacy, public engagement, and foresight.

# INDIGENOUS POPULATION HEALTH



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health  
Group for Research with Indigenous Peoples

The Group for Research with Indigenous Peoples (GRIP) is a network of >130 health researchers and students, Indigenous community members and organizations, health systems providers and government agencies with a focus on the achievement of Indigenous Health. GRIP's mandate is to encourage population and public health research that mobilizes partners to *"help create, reinforce and sustain conditions conducive to healing, reconciliation and self-determination"* (Aboriginal Healing Foundation, 2009, p. 7).

GRIP promotes research practices that are holistic, informed by the determinants of population health and apply the best evidence in Indigenous health research. GRIP has active working relationships with local, regional, national, and international organizations to facilitate research networks and knowledge translation to policy and programming. GRIP hosts the Community Advisory Council, which includes community members who serve as liaisons to the broader community and who can advise on research processes including the handling of principles of ethical research (OCAP – Ownership, Control, Access, and Possession). To view the OCAP FAQ document, please [Click Here](#).

[View annual reports](#)



**RITA HENDERSON - LEAD**

**Assistant Professor, Departments of Family Medicine & Community Health Sciences**

Rita Isabel Henderson is an anthropologist and Assistant Professor in the Department of Family Medicine. Her work focuses on achieving Indigenous health equity through population health, medical education, and health services research. She leads community-based research projects that address a crisis of Indigenous youth suicide in Canada, the implications of the Truth and Reconciliation Commission of Canada for health professional schools and healthcare systems, and Indigenous primary care in Alberta.

# POPULATION MENTAL HEALTH



THE MATHISON CENTRE  
*for MENTAL HEALTH RESEARCH & EDUCATION*

The O'Brien Institute for Public Health is committed to the advancement of mental health research, and supports the work done in this field by relevant research faculty, staff, and trainees from the Cumming School of Medicine; the Faculties of Arts, Environmental Design, Kinesiology, Nursing, Social Work, and Veterinary Medicine; the Werklund School of Education; and Alberta Health Services.

The Institute acknowledges the [Mathison Centre for Mental Health Research and Education](#) as the hub for both health services and population research in the area of mental health at the University of Calgary. The O'Brien Institute collaborates with the Mathison Centre, and encourages its relevant members and stakeholders to leverage their mental health research efforts through the Centre, thus supporting the University's [Brain and Mental Health Research Strategy](#).



## PAUL ARNOLD – DIRECTOR, MATHISON CENTRE

**Associate Professor, Department of Psychiatry**

Paul is a Professor in Psychiatry and Medical Genetics. He is also the Director of the Mathison Centre for Mental Health Research & Education. Previously at the Hospital for Sick Children in Toronto, Dr. Arnold became the inaugural director of the Mathison Centre for Mental Health Research & Education in August 2015, and was at the same time appointed Alberta Innovates – Health Solutions Translational Health Chair in Child and Youth Mental Health. Dr. Arnold's research focuses on the genetics and

neurobiology of childhood neuropsychiatric disorders. His translational research program focuses on gene discovery and knowledge translation that will contribute to prediction, prevention and early intervention. This includes development of the first laboratory in Alberta to focus on gene discovery in child and youth mental health. He currently receives funding from a number of major external funding agencies, including the U.S. National Institute of Mental Health and the Canadian Institutes of Health Research (CIHR). Dr. Arnold is also a practicing child and adolescent psychiatrist and founded Alberta's only pediatric clinic focusing on obsessive-compulsive disorder (OCD), located at Alberta Children's Hospital



## JOSEPHINE ADDA – PROJECTS & PARTNERSHIPS COORDINATOR

**Mathison Centre**

Josephine is Projects & Partnerships Coordinator for the Mathison Centre for Mental Health Research and Education. She joined the UofC in August 2016 having worked with the University of Alberta and University of New Brunswick in similar positions. She is a trained project manager with passion for research.

# PATIENT AND COMMUNITY ENGAGEMENT RESEARCH



[Patient and Community Engagement Research](#) (PaCER) is a research training program within the O'Brien Institute at the University of Calgary. Through this intensive training program, PaCER works to engage patients in research, and to integrate this evidence-informed research into the health care system and clinical practice.

## Vision

A future where patients and families are fully engaged in their health and health care experiences.

## Mission

To transform the role of patients in health care and health culture through engagement research.



### NANCY MARLETT - DIRECTOR

**Associate Professor, Community Rehabilitation and Disability Studies (CRDS), Department of Community Health Sciences**

Nancy works with the Advisory Board, PaCER staff, the University of Calgary, health researchers, health systems and associations, government agencies and communities to change patient roles and relationships in their health and health care. The challenge is to build and spread training in patient research and leadership and to incubate new approaches to health research within a sustainable social enterprise that incorporates small business offerings, ongoing partnerships and grants.



### SUSANNA KOCZKUR - PROGRAM MANAGER AND RESEARCH LEAD

After graduating from the PaCER program in 2015/16, Susanna filled the position of Lead Patient Engagement Researcher. With her organizational leadership experience, Susanna is leading the development of the PaCER Inc. initiative to offer specific services in research, quality improvement and health services delivery. She is also a member of the Addictions and Mental Health Strategic Clinical Network, Core Committee. A member of the Calgary Association of Lifelong Learners, Susanna is the key designer and co-facilitator of Life Writing workshops.



### PATRIZIA RANIERI - PROGRAM AND COMMUNICATION COORDINATOR

A strategic and multidisciplinary communicator, Patrizia has worked with a wide range of corporations, from publically traded companies to start-ups, leading targeted marketing initiatives. Joining PaCER in 2017, she brings more than twenty years of experience in marketing communications and operations support to the program. Her role at PaCER is to provide a seamless operations environment that allows team members to focus on their core research. As well, she is a key resource in communicating the PaCER program vision.

# POPULATION HEALTH AND PREVENTION

The Population Health and Prevention (PH&P) Research Interest Group brings together over 50 O'Brien Institute members and affiliates, with diverse primary appointments: Cumming School of Medicine (Dept. of Pediatrics, CHS, CRDS, PHPM, Mathison); Faculty of Veterinary Medicine; Faculty of Nursing; Faculty of Kinesiology; Faculty of Social Work; Werklund School of Education; Faculty of Arts (Anthropology, Communication) & Alberta Health Services (PPIH-SCN, MOH, Cancer Epidemiology), all with a strong interest in the area of population health, preventive medicine, and public health.

The purpose of the Population Health and Prevention Research Interest Group is to advance the Institute's Improved Population Health research theme and contribute toward achieving the portion of the O'Brien Institute vision pertaining to 'Better Health'.

The Terms of Reference for the group can be found [here](#)

[View annual reports](#)



**JASON CABAJ – CO-LEAD**

**Clinical Assistant Professor, Department of Community Health Sciences**

Dr. Jason Cabaj is a Public Health and Preventive Medicine physician (MD, Queen's University; FRCPC, University of Calgary) with training in epidemiology from the University of Calgary. He is a Provincial Lead Medical Officer of Health for Public Health Surveillance & Infrastructure (PHSI) with Alberta Health Services, program director for the Public Health and Preventive Medicine (PHPM) residency program, and Clinical Assistant Professor in the Department of Community Health Sciences, Cumming School of Medicine. Dr. Cabaj is involved with a range of research activities to inform public health practice and policy, with a focus on creating healthy environments.



**REBECCA HAINES-SAAH – CO-LEAD**

**Assistant Professor, Department of Community Health Sciences**

Dr. Rebecca Haines-Saah is an Assistant Professor in the Department of Community Health Sciences, Cumming School of Medicine, University of Calgary and is co-lead for the O'Brien Institute for Public Health, Population Health and Prevention Interest Group. Trained as a Health Sociologist, her research focuses on adolescent mental health and substance use through the lens of a critical public health approach that prioritizes harm reduction, social justice, and the lived experiences of persons that use drugs and/or live with mental illness.

Since joining the University of Calgary as Faculty in early 2016, she had focused her research program on the youth cannabis use and the public health policy implications of cannabis legalization in Canada, working with partners in community and government at the municipal, provincial and federal levels. Her current projects also include qualitative and knowledge translation research related to the opioid overdose crisis in Canada and youth engagement for mental health promotion. Rebecca is a core committee member of Alberta Health Services' Addiction and Mental Health Strategic Clinical Network and an Associate Faculty Member in the Mathison Centre for Mental Health Research and Education, Hotchkiss Brain Institute.

# THE METHODS HUB



The Methods Hub is a group of dedicated health researchers who have expertise in methodology, and focus on consolidating individual and collective expertise across the spectrum of both quantitative and qualitative research methods.

Methodologically-based research offers a strong foundation for researchers wishing to engage in high profile and rigorous applied research in health.

**Vision:** Tools for Better Health! – The best standardized methods available to every researcher.

**Mission:** To promote the use of the best available methods to study patient-centred outcome research and promote health of populations.

The group conducts regular presentations, discussions, and writing of manuscripts and grants. We are housed within the [O'Brien Institute for Public Health](#) at the [University of Calgary](#) however, our group includes researchers from all Universities & Organizations in Alberta. Part of the work of the Methods Hub includes supporting researchers with Patient-Oriented Research through the [Alberta Strategy for Patient-Oriented Research \(SPOR\)](#), as the [Methods Support and Development Platform](#). We collaborate with other groups, including [W21C](#) and [APPROACH](#). We also work closely with local stakeholders ([Alberta Health Services Strategic Clinical Networks](#)).



## MARIA SANTANA - DIRECTOR

**Professor, Department of Community Health Sciences**

Dr. Maria J. Santana is a health services researcher, patient and family-centred care scientist, an Assistant Professor in the departments of Pediatrics and Community Health Sciences at the University of Calgary. She is the lead, Alberta Strategy for Patient-oriented Research, Patient Engagement. Maria is the co-director of The Methods Hub at the O'Brien Institute for Public Health.

Dr. Santana has received training in clinical pharmacy, public health, and clinical epidemiology. Her research focuses in developing novel methods to integrate the voice of patients and family caregivers in health care and health service research to improve health and health care. The methods advance person-centred care and patient-oriented research.



## HUDE QUAN - EXECUTIVE AND OPERATIONAL COMMITTEE MEMBER

**Professor, Department of Community Health Sciences**

Dr. Hude Quan is a Professor in the Department of Community Health Sciences at the Cumming School of Medicine and has received training in medicine, public health, epidemiology and health services research. Dr. Quan is director of the Centre for Health Informatics and the World Health Organization Collaborating Centre in Classification, Terminology and Standards at Cumming School of Medicine and the Lead for Alberta's Strategy for Patient Oriented Research (SPOR) SUPPORT Unit Methods Support & Development Platform. Dr. Quan is the Astra-Zeneca and Chiu Family Chair in Cardiovascular Health Promotion and Disease Prevention.

Dr. Quan's research is aiming to optimize the use of health data from multiple sources by developing novel data science methods to advance precision medicine and precision public health. Since 1993, Dr. Quan has focused his research program on improving data science methodology to overcome the challenges that are faced in using health data for research. Dr. Quan has developed methods, built networks, and translated knowledge to provide solutions to users for analyzing data. Dr. Quan's methods are used internationally. For three consecutive years (2014-2016), Dr. Quan was listed by Thomson Reuters as one of the world's most highly cited researchers (top 1% in his discipline).



**DANIELLE SOUTHERN - EXECUTIVE AND OPERATIONAL COMMITTEE MEMBER**  
**Research Associate, Department of Community Health Sciences**

Danielle is a Research Associate with the [O'Brien Institute for Public Health](#) and the Department of Community Health Sciences at the University of Calgary. Danielle has a background in Applied Mathematics and Statistics (BSc University of Manitoba) and Biostatistics (MSc University of Calgary). She works with many inter-disciplinary teams as an analyst and coordinator. She works as Senior Research Associate for [Alberta's Strategy for Patient Oriented Research \(SPOR\) SUPPORT Unit Methods Support & Development Platform](#), Research Coordinator with the [Alberta Provincial Project for Outcomes Assessment in Coronary Heart Disease \(APPROACH\)](#), Coordinator for the

University of Calgary World Health Organization Collaborating Centre for Classification, Terminology & Standards and Research Associate for the [W21C Research and Innovation Centre](#).

# THE OFFICE OF HEALTH & MEDICAL EDUCATION SCHOLARSHIP



**UNIVERSITY OF CALGARY**

O'Brien Institute for Public Health

Office of Health and Medical Education Scholarship

**Educational scholarship** has been defined as “an umbrella term which can encompass both research and innovation in health professions educations.” Quality in education scholarship is attained through work that is peer-reviewed, publicly disseminated and provides a platform that others can build on. At its simplest, educational scholarship is about communicating knowledge effectively to students. This knowledge may come from many different sources, including basic science, but also from a deeper understanding of educational skills. OHMES recognizes the key importance of education scholarship in the mission of the Cumming School of Medicine and will strive to give education scholarship more prominence by providing support to interested faculty members.

OHMES focuses on the “scholarship of teaching”, an area of academic activity that is truly part of the scholarship expected of a member of the academic community. Faculty members engaged in this scholarship may examine how students are educated currently, and move on to design a new curriculum, find ways to evaluate the new curriculum, or use modern technology to develop web based learning for all scholars. Other scholars work as course directors or educators in the BSc Program or in Undergraduate Medical Education, as program directors or clinical teachers in Post Graduate Medical Education, as supervisors or educators in Graduate Science Education or as directors of education in the various research institutes.

“Creative teaching with effectiveness” (Fincher) is at the core of this scholarship. In the Cumming School of Medicine, most faculty members – whatever their formal status – are engaged in educational activities. Much of this is integrated with the large health region (Alberta Health Services), which is charged with providing high-level medical care. The medical teachers working in the clinical setting are role models to their trainees.



**RACHEL ELLAWAY – CO-DIRECTOR - RESEARCH**

**Professor, Department of Community Health Sciences**

Rachel Ellaway is Professor of Medical Education in Community Health Sciences and Co-Director of the Office of Health and Medical Education Scholarship at the Cumming School of Medicine at the University of Calgary. She was previously Assistant Dean for Curriculum and Planning at the Northern Ontario School of Medicine in Sudbury, Ontario, Canada.



**GRETCHEN GREER – RESEARCH COORDINATOR**

Gretchen joined OHMES in 2014, and is responsible for the daily operations and planning for the unit. This includes organizing resources to support educational scholarship and research, committee support, and communications activities regarding OHMES functions. She was also the Accreditation Officer for the 2016 UME accreditation review and process, and now continues in an education quality improvement role for the Faculty assisting with special projects. Her past work experience includes research administration in Alberta Health Services, and program management with the Diagnostic Accreditation Program in BC. Gretchen has a BSc in business from Duquesne University and a MBA from UBC.

# UNIVERSITY OF CALGARY BIOSTATISTICS CENTRE



**UNIVERSITY OF CALGARY**  
O'Brien Institute for Public Health  
Biostatistics Centre

The Centre groups the collective activities of all biostatisticians at the University of Calgary. Since the summer of 2014, this group of over 25 biostatisticians has been successful in achieving a number of important research and educational goals: (1) cross-listing of graduate courses in applied biostatistics in the faculties of Veterinary Medicine, Nursing, Kinesiology, Science and the Cumming School of Medicine; (2) creation of thesis-based degree interdisciplinary specializations in Biostatistics (Master's, Doctoral), which are expected to be offered in the Departments of Community Health Sciences and Mathematics and Statistics in the Fall of 2018; and (3) organization of three, one-day biostatistics workshops on the topics of [missing and incomplete data](#), [causal inference](#) and [longitudinal data analysis](#). UCBC was awarded a Canadian Statistical Sciences Institute (CANSSI) Health Sciences Collaborating Centre designation.

Current activities of this group are the creation of: (1) a non-thesis Master's program in Biostatistics (new graduate program); (2) a summer school in Biostatistics; and (3) a networking group for consulting and collaborating UCBC members.

## HERMAN BARKEMA – UCBC EXECUTIVE COMMITTEE MEMBER

**Professor Epidemiology of Infectious Diseases, Faculty of Veterinary Medicine & Cumming School of Medicine**



Dr. Herman Barkema completed his DVM degree at Utrecht Univ., The Netherlands, in 1988. He spent 2½ years as manager of a large dairy and beef herd in Costa Rica, then taught bovine herd health at Utrecht Univ. and worked as an epidemiologist for the Dutch Animal Health Service while completing his PhD. In 2001, Dr. Barkema moved to the Univ. of PEI. He subsequently moved to the Univ. of Calgary, where he founded UCVM's Dept. of Production Animal Health. He currently is Professor in Epidemiology of Infectious Diseases at UCVM and NSERC Industrial Research in Infectious Diseases of

Dairy Cattle, with a joint appointment in the Dept. of Community Health Sciences of the Cumming School of Medicine. He is also a Guest Professor at Ghent Univ. (Belgium) and Foreign Expert at the China Agricultural Univ. in Beijing. Dr. Barkema's research program focuses on prevention and control of diseases in cattle herds, including antimicrobial resistance. He has published > 300 scientific manuscripts and has lectured all over the world. He leads the UCalgary Biostatistics Centre, the Environment research theme in the Canadian Bovine Mastitis Research Network, the Alberta Johnne's Disease Initiative, the Antimicrobial Resistance – One Health Consortium, and UCalgary's One Health Emerging Cross-cutting Research Theme.



### KAREN KOPCIUK – UCBC EXECUTIVE COMMITTEE MEMBER

Research scientist/statistician in the Department of Cancer Epidemiology and Prevention Research, CancerControl Alberta, Alberta Health Services

Dr. Karen Kopciuk is a research scientist/statistician in the Department of Cancer Epidemiology and Prevention Research, CancerControl Alberta, Alberta Health Services. She also has an appointment of Adjunct Associate Professor, Departments of Oncology, Mathematics and Statistics with the University of Calgary. Her research interests include survival and multi-state models for estimating genetic and disease risks in families who carry a known mutated gene or putative genetic factors.



### TYLER WILLIAMSON – UCBC EXECUTIVE COMMITTEE MEMBER

Assistant Professor, Department of Community Health Sciences

Tyler Williamson is an Assistant Professor of Biostatistics in the Department of Community Health Sciences at the University of Calgary, a member of the [O'Brien Institute for Public Health](#) and the [Alberta Children's Hospital research Institute](#). His research interests include health data integration (combining electronic medical record and health administrative data), chronic disease surveillance and research using electronic medical record data, and non-canonical link functions for binomial generalized linear models. He is nationally and internationally recognized in the use of electronic medical record data for public health surveillance, health services research, and practice quality improvement working with organizations such as the Public Health Agency of Canada and Health Canada's Marketed Health Products Directorate.

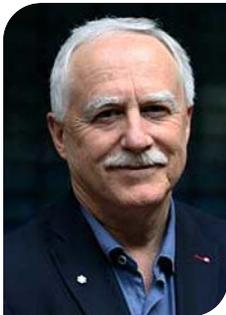
# W21C RESEARCH AND INNOVATION CENTRE



A centre within the O'Brien Institute, W21C is a not-for-profit research and innovation initiative based in the University of Calgary and the Calgary zone of Alberta Health Services. W21C serves as a research and beta test-site for prototypical hospital design, novel approaches to health care delivery, human factors research, and innovative medical technologies.

**Vision:** Define the future of health care

**Mission:** To innovate, create, educate, and evolve to build new paradigms of health care delivery



**JOHN CONLY – MEDICAL DIRECTOR**

**Professor, Department of Medicine**

John Conly is a Professor and former Head of the Department of Medicine at the University of Calgary and Alberta Health Services - Calgary and Area, Canada. He is medically trained as a specialist in infectious diseases, and was a past President of the Canadian Infectious Disease Society, past Chairman of the Board for the Canadian Committee on Antibiotic Resistance and a previous Vice Chair for the Canadian Expert Drug Advisory Committee. He is currently the Co-Director for the Snyder Institute for Chronic Diseases at the University of Calgary, a member of the Canadian Expert

Advisory Group on Antimicrobial Resistance and a member of the WHO Advisory Group on Integrated Surveillance of Antimicrobial Resistance. He has published over 300 papers and has received multiple career honours in teaching, research, mentorship, innovation and service, including the Ronald Christie Award for outstanding contributions to academic medicine in Canada, the Medal for Distinguished Service from the Alberta Medical Association for outstanding personal contributions to the medical profession and the Order of Canada. He continues as an active consultant in clinical infectious diseases with current interests which focus on antimicrobial resistance and stewardship, prevention of hospital-acquired infections and novel innovations in healthcare.



**JILL DE GROOD - DIRECTOR**

**Director, W21C Research and Innovation Centre**

Jill de Grood completed her Masters degree in Sociology at the University of Calgary. Her thesis project examined factors impacting lawyer's physical and mental health. She completed a Certificate in Professional Management in 2015 and received her Project Management Professional Certification in 2018. She has been in an evolving leadership role with W21C for more than nine years, with involvement in numerous industry partner projects in areas such as technology assessment, infection prevention and control, as well as examining the effectiveness of health care innovations and their impact on patient care. Jill is a published author with fourteen journal publications along

with a number of knowledge translation pieces. She is currently the Director of W21C, bringing a strategic perspective to the W21C on the challenges and opportunities the program faces. She works with the W21C team, external stakeholders and partners to build on the success of the W21C program over the past 15 years.



## **JAIME KAUFMAN - MANAGER**

**Manager, W21C Strategic Programs**

Jaime completed a PhD in Microbiology and Infectious Diseases from the University of Calgary specializing in bacterial genetics, with additional post-doctoral research experience in large-scale data analysis for microbial community composition of the human microbiome. Initially serving as the Program Manager for the Collaborative Research and Innovation Opportunity (CRIO) team grant within W21C at the University of Calgary, she was responsible for a range of activities related to the team program focused on health services research, including grant management and reporting, resource allocation, hiring and performance management, and budget development and oversight. She currently serves as Manager of Strategic Programs at the W21C, acting as a liaison with funding and implementation partners (federal and provincial government, industry, health sector, philanthropists, clinicians, and academics), and is involved in planning and development within the broader W21C program. She has worked with W21C leadership to identify and develop strategic priorities within the program, and help secure and support funding for the W21C and related initiatives. Her role has involved the management of front line research staff in the completion and oversight of multiple research projects for internal and external stakeholders in academia, industry, and the public sector.