

Canadian Institutes of Health Research (CIHR) Project Grants: Spring 2025 Competition

Principal Investigator(s)	Host Institution	Project Title
Anshula Ambasta, Sonia Butalia, Colin Dormuth, Iliana Lega, Wade Thompson	University of British Columbia	People with Prediabetes and Mild Diabetes: management and outcomes (PPreMild DM study)
Shernaz Bamji	University of British Columbia	The role of the ZDHHC8 enzyme in neuronal connectivity, function and behavior
Skye Barbic, Kirsten Marchand, Jason Sutherland, Karen Tee	University of British Columbia	IYS Impact 1.0: A multi-methods, qualitative, and population-level study of the impact of Integrated Youth Services (IYS) on youth mental health care access and experiences in British Columbia
Alisdair Boraston, Warren Wakarchuk	University of Victoria	Molecular insights into mucin degradation by host-adapted microbes.
Jeffrey Brubacher	University of British Columbia	The association between cannabis and motor vehicle collisions - looking beyond THC
Artem Cherkasov, Natalie Strynadka	University of British Columbia	Structure-based design of small molecule inhibitors of the transsulfuration pathway in Ewing Sarcoma.
Mary De Vera	University of British Columbia	Advancing Equity, Diversity, and Inclusion in Arthritis Research: A Mixed-Methods Group Concept Mapping Approach
Roxana Geoffrion	University of British Columbia	Synthetic Versus Autologous Sling for Stress Incontinence (SASSI): A Randomized Controlled Trial
Brian Grunau, Katie Dainty, Calvin Kuo, Mypinder Sekhon, Babak Shadgan	University of British Columbia	Real-World Validation of Machine Learning Algorithms for a Wearable Cardiac Arrest Detection System
Jörg Gsponer	University of British Columbia	AI-supported mapping and probing of the regulation of cardiac voltage-gated calcium channels
Kristen Haase, Kelly McConnell, Maria (Martine) Puts, Schroder Sattar	University of British Columbia	A mixed methods study of cancer care in Canada
Kanna Hayashi, Cheyenne Johnson	Simon Fraser University	Evaluating the impacts of overdose prevention interventions among people who use opioids in Vancouver, BC amidst the evolving unregulated drug supply
Marc Horwitz	University of British Columbia	Optimizing the Humanized Mouse Models of EBV Infection: Unraveling Viral Influence on Autoimmune Development and Assessing Feasibility of EBV-Targeted Therapeutics in Optimized Humanized Mouse Models of Infection
Amanda Howard, Gregory Haljan, Laura Istamboulian	University of British Columbia	Co-Creating and Amplifying Patient Perspectives to Transform Recovery (CAPTURE) after Critical Illness: Peer-Facilitated Online Group Photovoice
William Hsiao	Simon Fraser University	Smarter integrated pathogen genomics ecosystems for threat detection and risk assessment
James Johnson	University of British Columbia	Targeting Scn9a Na⁺ channels for beta cell survival and disease modification in type 1 diabetes

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Myeong Jin Ju, Joanne Matsubara	University of British Columbia	Establishment of a novel multi-parametric assessment protocol for identification of distinctive pathological pathways in age-related macular degeneration
Aly Karsan	University of British Columbia	Hematopoietic stem cell aging
Hugh Kim	University of British Columbia	Pro-inflammatory platelet signaling: identifying novel therapeutic targets for periodontitis
Janel Kopp	University of British Columbia	Hyperinsulinemia in pancreatic cancer progression and mortality
Pascal Lavoie	University of British Columbia	Understanding the impact of early-life RSV infections on infant immunity and long-term health
Teresa Liu-Ambrose, Cindy Barha, Liisa Galea, Linda Li	University of British Columbia	Healthy Heart, Healthy Brain: Aerobic Exercise to Promote Brain Health in Perimenopause
Honglin Luo	University of British Columbia	Unraveling enterovirus-induced autophagy disruption for novel therapeutic strategies in viral myocarditis
Steven Miller	University of British Columbia	Trajectories of Brain Maturation and Neurodevelopment in Adolescents Born Very Preterm
Steven Miller, Vann Chau	University of British Columbia	Brain maturation and neurodevelopment in moderate-late preterm infants
Souvik Mitra, Georg Schmoelzer	University of British Columbia	Single-dose Prophylactic INdomethacin in extremely preterm infants - A Multicenter Pilot Randomized Blinded Placebo-Controlled Trial (the SPIN Pilot RCT)
Melanie Murray	University of British Columbia	Hormones and Markers of Aging in Women
Gina Ogilvie, Anna Gottschlich, Lily Proctor	University of British Columbia	HPV FOCAL LEGACY: Longterm Evaluations of Gains in Cervical Cancer Prevention
Christopher Ong	University of British Columbia	Targeting Epigenetic Phenotypic Switching to Overcome Prostate Cancer Treatment Resistance
Eli Puterman	University of British Columbia	Remote Exercise iNtErvention for Wellbeing (RENEW) Trial: A 2-arm randomized at-home, app-based exercise trial to improve adherence, mental health, and wellbeing of British Columbian healthcare workers
Lindsey Richardson, Christopher McLeod	University of British Columbia	Substance Use, Work and Well-Being in Trades and Construction
Katherine Ryan	University of British Columbia	Assembly and targeted isolation of nitrogen-nitrogen-bond-containing antibiotics
Manish Sadarangani, Caroline Quach-Thanh	University of British Columbia	Better Outcomes in Babies with Bacterial meningitis, a randomized controlled trial: BOBBie
Brodie Sakakibara	University of British Columbia	Exploring the 1-year Natural History of chronic disease self-management and health resource utilization after stroke: The ENHANCE Study
David Scott	University of British Columbia	Common precursor cells in diffuse large B-cell lymphoma: characterization, evolutionary trajectories and clinical applications.
Mypinder Sekhon, Sonny Dhanani, Andrew Seely	University of British Columbia	Brain-based Prediction of the dying duration in humans after withdrawal of life sustaining measures to inform donation after circulatory death.
Allie Slemon, Ingrid Handlovsky, Nathan Lachowsky	University of Victoria	Exploring a novel 2S/LGBTQIA+ Liaison Nurse role: A community-engaged mixed-methods investigation

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Helen Tremlett	University of British Columbia	Early Warning Signs of Immune-Mediated Chronic Diseases: A Comparative Study of the Prodromal Phase in Multiple Sclerosis (MS) and Other Immune-Mediated Inflammatory Disorders (ProMS-ID)
Filip Van Petegem	University of British Columbia	Molecular Mechanisms of Malignant Hyperthermia and Myopathies
Paul Yong, Amanda Howard	University of British Columbia	Navigating Sexual Pain and the Pelvic Examination in Endometriosis
Peter Zandstra	University of British Columbia	Engineered In Vitro Niches for Blood Development to Enable Advanced Cellular Therapies from Renewable Sources

CIHR Priority Announcement Grants: Spring 2025 Competition

Priority Announcement	Principal Investigator	Host Institution	Project Title
Cancer Survivorship	Fabio Rossi	University of British Columbia	Investigating the role of muscle stromal cells in pancreatic cancer cachexia and associated myosteatosis
Neurosciences, Mental Health and Addiction	Douglas Allan	University of British Columbia	Transcriptional programs of synaptic function
Pandemic Preparedness and Health Emergencies Research	Sarah Henderson	University of British Columbia	Understanding the public health impacts of evacuations due to climate-related disasters: A mixed methods approach
Research in First Nations, Inuit and/or Métis Health	Kendra Rieger	Trinity Western University	Arts-based Spiritual Care to Advance Equity in Healthcare: An Interdisciplinary, Cooperative Investigation