



THE ARTHRITIS RESEARCH CANADA
BOARD MEETING – SEPTEMBER 21, 2023
ANNUAL REPORT OF THE SCIENTIFIC DIRECTOR

TRAINEES

New Trainees

Deniz Bayraktar (Supervisor: **Linda Li**) started a one-year postdoctoral fellowship at Arthritis Research Canada Vancouver in July 2023. He is working on Dr. Li's project "*Implementing an evidence-based exercise program to reduce falls in community-dwelling older adults*".

Dora Chan (Supervisor: **Antonio Avina-Zubieta**) started in August 2023 as a Co-op student working on the "*Retinal Toxicity And HydroxyChloroquine Therapy (INTACT) - A Prospective Population-based Cohort Study*".

Jamon Couch (Supervisor: **Jackie Whittaker**) joined Arthritis Research Canada Vancouver in January 2023 as a PhD trainee. Jamon's research will focus on the prevention and management of early knee osteoarthritis in young adults following ACL injury and reconstruction.

Sarah Hansen (Supervisor: **Diane Lacaille**) joined Arthritis Research Canada Vancouver in November 2022 as a Post-Doctoral Fellow. She is completing a one-year clinical and research fellowship in Autoinflammatory Diseases at the American National Human Genome Research Institute (NHGRI) of the National Institutes of Health (NIH), under the supervision of world expert Dr Daniel Kastner.

Kara Irwin (Supervisor: **Cheryl Barnabe**) joined Arthritis Research Canada Calgary in January 2023 as a new PhD trainee. Her thesis research involves understanding the factors that complicate management of arthritis and supporting improved community care to prevent hospital use.

Chris Lam (Supervisor: **Jackie Whittaker**) started as a Master's student at Arthritis Research Canada Vancouver in August 2023.

Codie Primeau (Supervisor: **Linda Li**) joined Arthritis Research Canada Vancouver in January 2023 as a new Postdoctoral Fellow. His postdoctoral work focuses on the experiences with healthcare and living with chronic pain for individuals who identify as a sex and/or gender minority (SGM).

Jeremiah Tan (Supervisor: **Antonio Avina-Zubieta**) joined Arthritis Research Canada Vancouver in March 2023 as an undergraduate trainee doing directed studies. He is working on the Safety immUnogenicity of Covid-19 vaCcines in systEmic immunE mediated inflammatory Diseases “*SUCCEED*” study. His project involves detecting who got SARS-CoV2 infections, by testing antibodies in saliva, in people with lupus who were vaccinated against COVID-19 to determine the effectiveness of the vaccine.

Trainees who completed their degrees

Kawami Cao (Supervisor: **Jasmin Ma**) completed a one-year undergraduate thesis titled “*Reach, effectiveness, and implementation of the Physical Activity Resource Center (PARC)*”.

Joey Cheng (Supervisor: **Jasmin Ma**) completed a one-year undergraduate thesis titled “*Evaluating the patient engagement process in the development of a program to improve strength training participation among people with arthritis*”.

Faye Cooles (Supervisor: **John Esdaile**) completed her one-year postdoctoral fellowship at UBC in July 2023. Her project evaluated the “*Effect of Immunosuppression following solid organ transplant in autoimmune rheumatic diseases*”.

Nejat Hassen (Supervisor: **Diane Lacaille**) successfully defended her Master’s thesis in December 2022. The topic of her thesis was “*health related quality of life in people with rheumatoid arthritis*”. She presented the results of her systematic review and of her prospective study looking at determinants of quality of life in people living with RA. She is now a research assistant on Dr Lacaille’s research team.

Christina Le (Supervisor: **Jackie Whittaker**) successfully defended her PhD thesis in December 2022. Her thesis title was “*The lingering impact of sport-related knee injuries on health-related quality of life in active youth*”.

Julia Mucha (Supervisor: **Linda Li**) successfully defended her Master’s thesis in August 2023. Her thesis title was “*The association between the number of behavior change techniques used in physical therapist counselling and self-management outcomes in people with rheumatoid arthritis*”.

Smruthi Ramachandran (Supervisor: **Linda Li**) successfully defended her Master’s thesis in June 2023. Her thesis title was “*Feasibility of the Knee OA Mobile Application for Managing Knee Osteoarthritis*”.

Myah Sisson (Supervisor: **Jasmin Ma**) completed a one-year undergraduate thesis titled “*Effectiveness of a training and prescription tool to support strength training prescription and promotion for people with rheumatoid arthritis*”.

Saania Zafar (Supervisors: **Claire Barber** and **Glen Hazlewood**) successfully defended her Master's thesis in August 2023. Her thesis title was *“How are you?” Perspectives of Patients and Healthcare Providers on Using Text-Messaging to Support Care for Patients with Rheumatoid Arthritis*.

Summer Students

Laurie Champagne (Supervisor: **Laëtitia Michou**) is a medical student who completed a research summer studentship at Arthritis Research Canada Laval. Her project involved *performing a literature review on genetic factors of atypical femur fractures and creating a database on this topic*.

Jungyeon Lee (Supervisor: **Glen Hazlewood**) was a summer student at Arthritis Research Canada Calgary. Her project title was *“Patient-centered REduction of advanced therapy in Rheumatoid Arthritis (PREFERA): A Pilot Study*”.

Inara Mawji (Supervisor: **Diane Lacaille**) is a medical student who completed a summer studentship co-supervised by **Alison Hoens** and Sue Mills, to complete the testing and launch of *“MyInfo Library”* an online inventory of resources to support self-management for people from underserved populations living with arthritis and other chronic diseases.

Farbod Moghaddam (Supervisor: **May Choi**) completed a summer studentship at Arthritis Research Canada Calgary. Her project title is *“Sporadic Inclusion Body Myositis Novel Autoantibody and Biomarker Research Utilizing Proteome Microarray and Mass Spectrometry Proteomics Analysis”*.

Sofia Rieger-Torres and **Negar Nekooei** (Supervisor: **Antonio Avina-Zubieta**) were summer students at Arthritis Research Canada Vancouver working on the *“Retinal Toxicity And HydroxyChloroquine Therapy (INTACT) - A Prospective Population-based Cohort Study”* project.

Natasha Ryzhaya (Supervisor: **Diane Lacaille**) completed a Canadian Rheumatology Association summer studentship at Arthritis Research Canada Vancouver. Her research project title was *“a scoping review on the integration of remote monitoring of symptoms and patient reported outcomes to inform rheumatological care”*.

Diya Sharma (Supervisor: **Glen Hazlewood**) was a summer student at Arthritis Research Canada Calgary and completed the project *“Moving Toward Open Science: Website Development and Crowdsourcing Initiatives for a Living Systematic Review of Rheumatoid Arthritis”*.

Shakeel Subdar (Supervisor: **Claire Barber**) from the University of Toronto completed a CRA summer studentship at Arthritis Research Canada Calgary. His project was “*An environmental scan and appraisal of patient online resources for managing rheumatoid arthritis flares*”. **Alison Hoens, Diane Lacaille, Glen Hazlewood** and **Megan Barber** were all involved to a degree in this work.

Trainee Salary Awards

Deniz Bayraktar (Supervisor: **Linda Li**) received a one-year \$46,120 (\$35,000 USD) Postdoctoral Research Fellowship award from The Scientific and Technological Research Council of Turkey. His project is “*Implementing an evidence-based exercise program to reduce falls in community-dwelling older adults*”.

Narsis Daftarian (Supervisor: **Antonio Avina**) received a three-year \$105,000 Canadian Institutes of Health Research Doctoral Research Award for her project “*RetINal Toxicity And hydroxyChloroquine Therapy (INTACT). A Prospective Population-based Cohort Study*”.

Juliana Mollins (supervisor: **Linda Li**) received a Four Year Fellowship from the Graduate Programs in Rehabilitation Sciences at UBC, of \$72,800 plus tuition for her doctoral studies. Her research addresses the physical therapy needs of the ageing population with multiple chronic health conditions, particularly as it relates to maintaining their mobility, activity, and musculoskeletal health.

Codie Primeau (Supervisor: **Linda Li**) was awarded a three-year \$148,500 Michael Smith Health Research BC Research Trainee Award as well as a three-year \$150,000 Postdoctoral Research Fellowship award from The Arthritis Society for his project “*Exploring the Lived Experiences of Sexual and Gender Minority Populations Living with Arthritis: A Patient Engagement Centered Approach*”.

Nevena Rebić (Supervisor: **Mary De Vera**) received the prestigious University of British Columbia School of Graduate and Postdoctoral Studies Friedman Award for Scholars in Health for the amount of \$37,500. Nevena will be taking this award to Norway where she will participate in an exchange program to pursue research with Dr. Hedvidg Marie Egeland Nordeng at the School of Pharmacy, University of Oslo.

Nevena Rebic was also the recipient of the Gail Bellward Scholarship in Pharmaceutical Sciences from UBC’s Faculty of Pharmaceutical Sciences (This is a \$2,300 scholarship endowed by alumni and friends of Dr. Gail Bellward who was one of trailblazing pharmaceutical sciences researchers in the faculty).

Fatima Shah (Supervisor: **Cheryl Barnabe**) received a one-year \$17,500 Canadian Institutes of Health Research Canada Graduate Scholarships Master’s Award for her project “*Reducing avoidable acute care use by patients with Inflammatory Arthritis conditions: Identifying root causes of hospitalizations*”.

Viviane Ta (Supervisor: **Susan Bartlett**) received a three-year \$105,000 Canadian Institutes of Health Research Doctoral Research Award for her project *“Optimizing medication and vaccination adherence in rheumatoid arthritis in the COVID-19 era: Development of a patient-centred intervention”*, which aims to improve adherence to treatment in rheumatoid arthritis through better communication and shared decision making between patients and rheumatologists.

Jeremiah Tan (Supervisor: **Antonio Aviña-Zubieta**) was awarded \$2,700 from the University of British Columbia Work-Learn funding to support his work as a Summer Project Assistant for the INTACT project, which investigates the risk of retinal toxicity from hydroxychloroquine.

Megan Thomas (Supervisors: **Mary De Vera** and **Mark Harrison**) received a three-year \$105,000 Canadian Institutes of Health Research Doctoral Research Award for her project *“Assessing equity considerations in the research and care of patients with inflammatory arthritis (ACCESS)”*. She was also awarded a two-year \$60,000 Killam Doctoral Scholarship Award from the University of British Columbia (\$30,000 + \$2,000 for research related travel/year). Killam Doctoral Scholarships are the most prestigious awards available to graduate students at UBC. Approximately 25 awards are offered each year to the top doctoral candidates.

Jocelyn Thomas-Purdue (Supervisor: **Glen Hazlewood**) was awarded a three-year PhD Research Salary award from The Arthritis Society for her project *“Moving towards the personalization of treatment choices in rheumatoid arthritis: Combining clinical modelling strategies to personalize risk estimates”*.

Heather Worthington (Supervisor: **Linda Li**) was awarded a three-year \$105,000 Canadian Institutes of Health Research Doctoral Research Award for her project *“Access to outpatient physiotherapy in British Columbia following anterior cruciate ligament injury”*.

Saania Zafar (Supervisors: **Claire Barber & Glen Hazlewood**) was the recipient of a \$17,500 Canadian Institutes of Health Research Canada Masters Graduate Scholarship award for her project *“A Better Match: Transforming rheumatoid arthritis care using text-based messaging”*.

Trainee Scientific Awards

Nevena Rebic (Supervisor: **Mary De Vera**) is the Principal Investigator on a one-year \$19,740 Canadian Institutes of Health Research grant titled *“Ethical partnerships with transGender And Gender diverse communities for conducting pharmacoEpidemiologic research (EnGAGE)”*. Co-Investigators are Lori Anne Brotto, Jacquelyn Cragg, **Mary De Vera**, Michael Law, and Monica Malta.

Megan Thomas (Supervisor: **Mary De Vera**) is the Principal Investigator on a one-year \$19,870 Canadian Institutes of Health Research grant titled “*Towards addressing equity considerations in research and care of patients with inflammatory arthritis (ACCESS)*”.

Mary De Vera and **Mark Harrison** are Co-Investigators.

Trainee Other Awards

Lulu Guo (Supervisor: **Hui Xie**) received a \$200 USD ICHPS Student Travel Award to give a talk at the International Conference on Health Policy Statistics (ICHPS) 2023 in Scottsdale AZ in January.

Rashed Hoque and **Andre Luquini**, along with **Nevena Rebić** (Supervisor: **Mary De Vera**) and **Ellen Wang** (Supervisor: **Linda Li**) were awarded an Arthritis Research Canada Early Arthritis Researcher Travel Scholarship to support them presenting their research results at EULAR.

Natalie McCormick (Supervisor: **Hyon Choi**), **Rashed Hoque** (Supervisor: **Hui Xie**) and **Andre Luquini** (Supervisor: **Diane Lacaille**) were each awarded a European Alliance of Associations for Rheumatology EULAR) travel bursary to support their attendance at the EULAR annual scientific meeting in Milan to present the results of their research.

John Yan MSc student (Supervisor: **Jackie Whittaker**) was awarded funding to attend the CIHR-supported **MSK Rehab Research Network Trainee Summer School** at Western University at the end of July. The award covers flight and travel costs for the week-long event.

Honours

Nicole Anderson (Supervisor: **Deborah Da Costa**) was the recipient of the Best Abstract by a Rheumatology Postgraduate Research Trainee Award for her abstract “*Cannabis use in inflammatory arthritis: Characteristics and comparisons between users and non-users*”.

Faye Cooles (Supervisor: **John Esdaile**) gave an invited talk at the EULAR 2023 meeting titled “*A new role of interferon in regulating immune cells in RA*”.

Jeremiah Tan (Supervisor: Antonio Avina) was the recipient of the Best Abstract by an Undergraduate Student Award for his abstract “*Risk for hospitalization, intensive care unit admission, and mortality among COVID-19 patients receiving immunosuppressive medications: A population-based SCOUT (underStanding COvid-19 in immUno suppressed paTients) study*”.

Ellen Wang (Supervisor: **Linda Li**) won Top Trainee Oral Presentation & People's Choice Best Oral Presentation at the Inaugural INCREASE BC (Interdisciplinary Conference in Rehabilitation Sciences BC) Conference for her presentation *"Effects of tailored self-management interventions on pain and physical function for people with chronic musculoskeletal (MSK) conditions: A systematic review and meta-analysis"*.

Ellen Wang was also the recipient of the Best Trainee Abstract Award for her abstract *"Inequities in arthritis care in Canada: The Black, Indigenous and Person of Colour (BIPOC) experience"*.

FACULTY

Sabrina Hoa joined Arthritis Research Canada as a Research Scientist at Université de Montréal. Her area of research is the prediction and early treatment of lung involvement in scleroderma.

Arthritis Research Canada expanded coast to coast in fall 2022 with the addition of two new faculty members based in Halifax.

Alex Legge joined Arthritis Research Canada as a Research Scientist. Alex is an Assistant Professor in the Division of Rheumatology at Dalhousie University, and the Director of the Dalhousie Lupus Clinic. Her research focuses on measuring frailty in rheumatic diseases and on neuropsychiatric manifestations of lupus.

Janet Roberts, also at Dalhousie, joined as a Clinical Investigator. Janet is well known for her expertise in the area of autoimmune adverse events from checkpoint inhibitors used in the treatment of cancer. She plays a key role in the CANRIO Network, a Canadian Network evaluating immune adverse events of checkpoint inhibitors with Drs. **Shahin Jamal, Marie Hudson** and **Sabrina Hoa**.

Scientific Awards

Claire Barber is a Co-Investigator on a five-year \$1,323,219 Canadian Institutes for Health Research THINC Implementation Science Team Grant – Rural, Remote/Northern Communities, titled *"Using Digital Health to Better Serve Rural Albertans living with Shoulder Pathology: Alberta's Remote Management of ShoUlders Program (ARMS UP)"*. The Principal Investigators are Lauren Beaupre, Elaine Finseth, Breda Eubank, Martin Ferguson-Pell and David Sheps.

Claire Barber is a Co-Investigator on a five-year \$1,956,515 Canadian Institutes for Health Research THINC Implementation Science Team Grant – Care of Patients Covered in IMHA Mandate, titled *“The Ontario Rheumatology Learning Health System for Transforming Integrated Care for Patients with Rheumatic and Musculoskeletal Disorders”*. The Principal Investigators are Vandana Ahluwalia, Tom Appleton, Lihi Eder, Celia Laur, Carter Thorne and Jessica Widdifield.

Claire Barber, Cheryl Barnabe, Glen Hazlewood and Linda Li are Co-Investigators on a three-year \$416,924 Canadian Institutes of Health Research Project Grant titled *“Reducing inequitable differences in health outcomes in the treatment of Arthritis”*. Principal Investigators are Peter Tugwell and Vivian Welch.

Claire Barber is the Principal Investigator on a three-year \$313,649 Canadian Institutes of Health Research Project Grant titled *“Implementation of the Alberta Rheumatology Provincial Learning Health System”*. Co-Investigators include **Allyson Jones, Cheryl Barnabe, Diane Lacaille, Glen Hazlewood**, Jessica Widdifield plus others, and APAB member **Yvonne Wallace** as a Collaborator.

Claire Barber is the Principal Investigator on a three-year \$297,584 grant from the Canadian Institutes of Health Research titled *“Psychometric Evaluation of a Measure of Care Complexity in Rheumatoid Arthritis”*. Co-Investigators include **Cheryl Barnabe, Diane Lacaille, Jacek Kopec, Glen Hazlewood, Alison Hoens** and others.

Clare Barber is the Principal Investigator on a two-year \$109,796 Canadian Rheumatology Association Canadian Initiative for Outcomes in Rheumatology Care (CIORA) grant titled *“Development and pilot of a shared-care model for rheumatoid arthritis leveraging an ‘on-demand’ follow up strategy”*. Co-Investigators include **Diane Lacaille, Alison Hoens, Glen Hazlewood, Elena Lopatina, Megan Barber** and **Kiran Dhiman**.

Megan Barber is the Principal Investigator on a two-year \$25,000 Cumming School of Medicine Seed Grant titled *“Healthcare access and quality of care in Albertan patients with systemic lupus erythematosus and antiphospholipid antibodies/antiphospholipid syndrome”*. **Claire Barber, Ann Clarke** and Leslie Skieth are Co-investigators.

Cheryl Barnabe is a Co-Investigator on a three-year \$1,200,000 Canadian Institutes of Health Research Project Grant titled *“OsNET: The Canadian Bone Health Research Network”*. Principal Investigators are Steven Boyd, Angela Cheung and Susanne Morin. There are over 50 Co-Investigators on the project.

Cheryl Barnabe is the Principal Investigator on a one-year \$100,000 Canadian Institutes of Health Research Project Grant titled *“Avoidable Acute Care Use for Inflammatory Arthritis Conditions: Groundwork to Improve Inflammatory Arthritis Health Service and System Quality”*. Co-Investigators are **Claire Barber** and Caley Shukalek.

Cheryl Barnabe is a Co-Investigator on a four-year \$1,751,852 Canadian Institutes of Health Research Project Grant titled *“Advancing Anti-Racist and Equity-Oriented Care in the Emergency Department with First Nations Partners”*. The Principal Investigators are Patrick McLane, Valerie Austen Wiebe, Lea Bill, Sherri Kashuba, and Esther Tailfeathers, and the Co-Investigators include Reagan Bartel, Tessie Big Plume, Karen Foudy, Rita Henderson and others.

Cheryl Barnabe is a Co-Investigator on a three-year \$313,310 Organization Funding grant from the Metis Nation of Alberta titled *“Quality of Care for Metis in Alberta Emergency Departments: Co-Creating Understandings and Definitions”*.

Cheryl Barnabe is a Co-Investigator on a one-year \$20,000 Canadian Institutes of Health Research grant titled *“Development of an open-source reference data set, image repository and interactive training tool for bone damage assessment in inflammatory arthritis”*. The Principal Investigator is Sarah Manske, and other Co-Investigators involved are Serena Bonaretti and Andrew Burghardt.

Ann Clarke and **Paul Fortin** are Co-Investigators on a five-year \$757,350 Canadian Institutes of Health Research grant titled *“Risk Stratification and Personalized Therapy in Lupus Pregnancies”*. Evelyne Vinet is the Principal Investigator and other Co-Investigators are John Hanly, Christine Peschken and Zahi Touma.

Deborah Da Costa is the Principal Investigator on a two-year \$198,900 Canadian Institutes of Health Research Project Grant titled *“Mental Health in Individuals with Autoimmune Rheumatic Diseases During the Transition to Parenthood: A Mixed Methods Study to Identify Associated Factors and Support Needs”*. Co-Investigators are **Mary De Vera**, **Paul Fortin**, Elham Rahme, Evelyne Vinet, and Francine Demontigny.

Mary De Vera is the Principal Investigator on a three-year \$420,000 Strategic Operating Grant from The Arthritis Society Canada titled *“Following maternal, neonatal, and childhood outcomes associated with use of arthritis medications perinatally (FAMILY)”*. Dr. De Vera will analyze large sets of data from the healthcare records of everyone in British Columbia regarding prescription drugs for arthritis during pregnancy to assess their impact on mothers, babies and, later on, in their childhood. Co-Investigators include **Neda Amiri**, Eric Sayre, Stephanie Ensworth, Corisande Baldwin and **Nevena Rebic**.

Paul Fortin is a Co-Investigator on a five-year \$734,400 Canadian Institutes of Health Research Project Grant titled *“Role of megakaryocytes in systemic lupus erythematosus”*. Eric Boilard is the Principal Investigator. The other Co-Investigator is Arnaud Droit.

Paul Fortin is a Co-Investigator on a three-year \$450,000 grant from The Arthritis Society Canada titled *“Role of phosphatidylserine-specific phospholipase A1 (PLA1A) in the pathogenesis of rheumatic diseases”*. The Principal Investigator is Sylvain Bourgoin.

Paul Fortin and Eric Boillard are Co-Investigators along with Héloïse Cardinal on a five-year \$577,575 Canadian Institutes of Health Research grant titled *“Impact of Vascular Injury Derived Exosomes on Lupus Nephritis”*. The Principal Investigator is Mélanie Dieudé.

Mark Harrison is a Co-Principal Investigator with Glory Apantaku, on a one-year \$20,000 Canadian Institutes of Health Research planning and dissemination grant titled *“Exploring Health Vulnerabilities to Climate Change: A Participatory Approach to Research Design”*.

Glen Hazlewood is a Co-Investigator with others on a four-year \$508,724, Canadian Institutes of Health Research Project Grant titled *“Characterizing patient preferences and personalizing risk information for optimal patient-centered management of coronary artery disease”*. Principal Investigators are Michelle Graham, Matthew James, Tolulope Sajobi and Stephen Wilton.

Glen Hazlewood is a Co-Investigator with over 30 others on a \$1 million, one-year Canadian Institutes of Health Research extension grant titled *“COVID-19 Recommendations and Contextualization (eCOVID19RecMap) Extension”*. The Principal Investigators include Eli Akl, Nancy Butcher, Maicon Falavigna, and Lisa Ann Hartling.

Alison Hoens is a Co-Investigator on a 250 member five-year \$19,999,614 Canadian Institutes of Health Research Canadian Post COVID-19 Condition Research Network Operating Grant titled *“Long COVID Web: Pan-Canadian Post-COVID Condition Research Network”*. The Principal Investigators are Angela Cheung and many others.

Sabrina Hoa is the Principal Investigator is on a four-year \$346,640 Canadian Institutes of Health Research grant titled *“Randomized Double-Blind Placebo-Controlled Clinical Trial to Assess the Efficacy of Mycophenolate Mofetil in Subclinical Interstitial Lung Disease Associated with Systemic Sclerosis: A Feasibility Study”*. Co-Investigators include **Marie Hudson**, Deborah Assayag, Murray Baron and Shirin Golchi.

Marie Hudson is a Co-Principal Investigator with Sindhu Johnson and Christopher Denton (UK) on a one-year \$60,000 Canadian Initiative for Outcomes in Rheumatology cAre (CIORA) grant titled *“Multicriteria decision analysis with 1000 Minds for developing scleroderma renal crisis classification criteria”*.

Shahin Jamal and Tom Appleton are Principal Investigators on a two-year \$116,400 Canadian Initiative for Outcomes in Rheumatology cAre (CIORA) grant titled “*Early Adalimumab Induction for Treatment of Steroid-Dependent Checkpoint Inhibitor Associated Inflammatory Arthritis: A Pragmatic Randomized Clinical Trial*”. Collaborators are Carrie Ye, Janet Pope, and **Marie Hudson**.

Raheem Kherani and **Linda Li** are Co-Investigators on a one-year \$150,000 Canadian Institutes of Health Research policy research for health system transformation catalyst grant titled “*Preventing the next fracture: Spreading Fracture Liaison Service across British Columbia*”, The Principal Investigators are Sonia Singh and Jonathan Robinson. The project extends the work of a 3-year implementation science team funded by Michael Smith Health Research BC.

Diane Lacaille is the principal investigator on a three-year \$450,000 Strategic Operating Grant from the Arthritis Society Canada titled “*FlexCARE: Co-developing a Flexible Care Delivery Model for Inflammatory Arthritis*”. Co-Investigators include **Linda Li, Nick Bansback, Susan Bartlett, Paul Fortin, Laetitia Michou, Ines Colmegna, Glen Hazlewood, Claire Barber, Deborah Da Costa, Cheryl Barnabe, Alison Hoens** and Cheryl Koehn.

Diane Lacaille, Nick Bansback, Claire Barber, Linda Li, and Cheryl Koehn are Co-Principal Investigators on a one-year \$20,000 planning and dissemination grant from the Canadian Institutes of Health Research titled “*CLARITY: Co-developing a fLexible cAre delivery model for Rheumatic InflammatoRy diseases*”. **Cheryl Barnabe, Susan Bartlett, Deborah Da Costa, Paul Fortin, Glen Hazlewood, Alison Hoens,** and Nelly Oelke are Co-Investigators.

Linda Li is a Co-Principal Investigator with Teresa Liu-Ambrose and Kenneth Madden on a five-year \$818,550 Canadian Institutes of Health Research Project Grant titled “*ACTIVE: Adding Life to Years in Cognitive Frailty by Preventing Falls*”. Co-Investigators include Cindy Bartha, Jeffrey Brubacher, Jennifer Davis and others.

Linda Li is a Co-Investigator on a one-year \$100,000 Canadian Institutes of Health Research bridge funding Project Grant titled “*CYCLE RCT: Process evaluation, end-of-grant knowledge translation, and planning for future ICU survivorship rehabilitation interventions*”. Principle Investigators include Michelle Kho, Teresa Chan, and others.

Linda Li is a Co-Principal Investigator with Jean Bourbeau, David Anderson, Gerald Bell and several others on a \$10,855,234 three-year Canadian Institutes of Health Research network grant titled “*Canadian Consortium of Clinical Trial Training (CANTRAIN) platform: enhancing career preparedness in RCT research targeting different audiences across the continuum*”. **Nick Bansback** and **Diane Lacaille** are among over 50 Co-Investigators.

Linda Li is a Co-Principal Investigator with Mary Jung, Amanda Alexander, Samantha Casmey and others on a \$2,958,703 six-year Canadian Institutes of Health Research Team grant titled “*Small Steps for Big Changes: Implementing an Evidence-Based Diabetes Prevention Program into Diverse Urban Communities*”. Co-Investigators include Jennifer Davis, Jonathan McGavock, Ruth Ndjaboue, Joel Singer and Shaelyn Strachan.

Deborah Marshall is a Co-Principal Investigator with Jeff Johnson on a two-year \$269,891 EuroQol Grant titled “*Effectiveness of an individualized decision aid for total knee arthroplasty implemented in routine clinical practice*”.

Deborah Marshall, Stirling Bryan, Malcolm Droupe, **Elena Lopatina** and others are Co-Principal Investigators on a two-year \$350,000 Canadian Institutes of Health Research grant titled “*Enhancing a Community of Practice for the Health System Impact Fellowship Program: Advancing Capacity for Sustainable & Patient-Centred Learning Health Systems across Canada*”. **Clayon Hamilton** is one of more than 30 Co-Investigators.

Helen Prlic is the Principal Investigator on a \$10,000 (plus \$1,500 dissemination funds) one-year grant from the Arthritis Health Professions Association titled “*Osteoarthritis and cognitive function: A population-based cross-sectional study*”. Co-Investigators include **Linda Li, Hui Xie, Diane Lacaille, and Antonio Avina-Zubieta**.

Jackie Whittaker was awarded a \$25,000 CIHR-IMHA Inclusive Research Excellence Prize in the team science category for the OPTIKNEE consensus “*OPTIKNEE: An international consensus to optimize knee health after knee injury*”.

Honours and Appointments

Susan Bartlett was the recipient of the Jeffrey Shiroky Award in recognition of contributions to the field of inflammatory arthritis at the Laurentian Conference of Rheumatology on May 12th in Esterel, Quebec. Her keynote address was entitled “*The Power of the Patient Voice in Helping Us Transform Rheumatology*”. Other Arthritis Research Canada Scientists who have been recognized with this award in the past include **Diane Lacaille, Paul Fortin, Cheryl Barnabe** and **Marie Hudson**.

Susan Bartlett was also the recipient of the Lifetime Achievement Award by the Behavioural Sciences and Health Services Assembly of the American Thoracic Society on May 21st in Washington, DC for outstanding scientific and scholarly contributions relevant to the behavioral sciences, clinical epidemiology, patient-centered outcomes research and measurement in lung diseases, critical illness, or sleep disorders.

Hyon Choi received the Gold Medal Investigator Award at the annual Gout Hyperuricemia and Crystal-Associated Disease Network (G-CAN) meeting in October 2022.

John Esdaile received the Halsted R. Holman Award for Excellence in Clinical Research in Lupus at the Lupus 21st Century Meeting, the most prominent international lupus meeting, in Tucson in September.

Alison Hoens received the Best Project award from Physiopedia.com for her outstanding contribution to content development for specific topics for the Physiopedia pages.

Alex Legge was the recipient of the Best Abstract on Research by Young Faculty Award at the Canadian Rheumatology Association Meeting in February for her abstract *“Comparison of the Systemic Lupus International Collaborating Clinics Frailty Index (SLICC-FI) and the FRAIL Scale for Identifying Frailty Among Individuals Living With Systemic Lupus”*.

Linda Li was presented with the Distinguished Educator Award by the Association of Rheumatology Professionals (ARP) at the Convergence 2022 Meeting of the American College of Rheumatology in November. This is the largest and most prominent international Rheumatology meeting. ‘The Distinguished Educator Award is presented to an ARP member who has demonstrated sustained excellence in the teaching of patients and students/trainees’. Dr Li excels in both.

Linda Li was awarded a highly prestigious Killam Faculty Research Prize (Sciences Category) by the University of British Columbia. This \$5,000 award recognizes scientists with outstanding research and scholarly contributions, research impact, and national and/or international research leadership.

Jasmin Ma has received the UBC Knowledge Exchange and Mobilization (KxM) Scholar Award of \$20,000 over two years (2023-2025). This is a pilot program started in 2023 with the objective “to build capacity in UBC faculties and schools to support the practice and science of KxM”.

Jasmin Ma was competitively admitted to the University of British Columbia Green College Leading Scholars program. Members develop a series of presentations as part of the College’s interdisciplinary programming available to UBC and the public over their two-year tenure.

Janet Roberts was awarded the 2023 Canadian Rheumatology Association Practice Reflection Gold Award, which “recognizes the importance of reflection and practice change to ultimately improve patient care”. This award encourages CRA members to develop innovative and practical self-assessment programs and quality improvement (QI) initiatives.

Jackie Whittaker was awarded the Best Paper Award at the Scandinavian Sports Medicine Conference in February for the abstract “*Combined hormonal contraceptive use is not protective against musculoskeletal conditions or injuries: A systematic review with data from 5-million women*”.

Arthritis Research Canada Trainees Day and Scientific Retreat

Arthritis Research Canada Scientists and Trainees gathered on October 13-14, 2022 for the first time since 2019 for an in-person Scientific Retreat. In total 18 Researchers and 22 trainees attended the Retreat from Laval, Edmonton, Calgary and Vancouver. The Retreat was preceded by our inaugural Trainee’s Day on October 12th. 31 Trainees attended the Trainee’s day which included presentations by the Arthritis Patient Advisory Board and workshops on “*Planning next steps in your career*” (Roberta Borgen) and “*Shaping and sharing messages from your research*” (**Alison Hoens**).

Arthritis Research Canada Trainee Network

The Trainee Network was launched in 2023, led by **Dr Mary De Vera**, Associate Director of training. Town hall meetings were held with trainees to understand their needs. A trainee steering committee has been struck. A Trainee day with workshops and networking opportunities was organized in conjunction with the Arthritis Research Canada Retreat.

Several one on one mentoring sessions for Trainees with our Emeritus Scientific Director, **John Esdaile** were held over the year (in person over lunch and virtually).

On March 6, 2023 **Alison Hoens** presented a session on “*Shaping & Sharing Messages From Your Research – PART 2, Tips for Arthritis Research Canada Trainees*”. This webinar built on the prior session held at the Retreat and provided trainees with opportunities to learn about strategies and resources for them to shape and share messages about their research; and practice delivering their messages and receive feedback from peers.

The inaugural A.J.E. Child Chair in Rheumatology Outcomes Research Monthly Trainee Seminar Series was launched in January 2023, co-hosted by Arthritis Research Canada Centres in Calgary (**Cheryl Barnabe**) and Vancouver (**Mary De Vera**). The seminars are held monthly. Trainees from across the country attended the seminars in person and online.

MITACS Trainee Funding. Meetings were held with MITACS representatives (Dr. Annika Rosanowski, PhD and Dr. Andrea Globa, PhD and Senior Advisor) and **Mary De Vera** to discuss MITACS programs and potential partnerships with Arthritis Research Canada/Arthrite-recherche Canada. As a result of the meeting the MITACS advisors have been invited to present to the Faculty at the October Research webinar so PIs and trainees can learn about their programs. In addition we are conducting a pilot process for applying for MITACS funding with two Trainees applying for funding which will be turned into a resource for future applications.

Three Arthritis Research Canada Trainees **Vienna Cheng**, (Supervisor: **Mary De Vera**) **Rashed Hoque** (Supervisor: **Hui Xie**) and **Justin Losciale** (Supervisor: **Jackie Whittaker**) had the opportunity to attend the Arthritis Community Learning Circle on Truth and Reconciliation hosted by Arthritis Consumer Expert on June 20 – 22, 2023.

Nine Trainees presented at the Annual Arthritis Patient Advisory Board Trainee's night on May 23, 2023.

Signed:

Diane Lacaille, MD, MHSc, FRCPC
Mary Pack Chair in Rheumatology Research,
Scientific Director, Arthritis Research Canada/Arthrite-recherche Canada
Professor of Medicine, University of British Columbia

Appendix I

FUNDING FROM JULY 1, 2022 TO JUNE 30, 2023

AIHS - Alberta Innovates Health Solutions; CAN - Canadian Arthritis Network; CIORA - Canadian Initiative for Outcomes in Rheumatoid Arthritis; CIHR - Canadian Institutes of Health Research; CRA - Canadian Rheumatology Association; CHHM - Centre for Hip Health and Mobility; HSFC - Heart and Stroke Foundation of Canada; EULAR - European League Against Rheumatism; MSFHR - Michael Smith Foundation for Health Research; NCI - National Cancer Institute; NIH - National Institutes of Health; NCE - Networks of Centres of Excellence; TAS - The Arthritis Society;; UBC - University of British Columbia; SPARTAN - Spondyloarthritis research and treatment network ; SRCC - Spondyloarthritis Research Consortium of Canada

SCIENTIST FUNDING - Operating Grants

PI(s)	Co-I(s)	Title	Funding Agency	Annual Amount	Total Awarded	Start Date	End Date
Abrahamowicz M	JA Aviña-Zubieta , S Bernatsky, A Bérard, W Dixon, M. Durand, L Eder, S Ferreira Guerra, D Lacaille , S Perreault, L Pilote, R Sapir-Pichhadze, R Tamblyn, J Widdifield, G Yi	New statistical methods for population-based studies of time-varying drug exposures: Development, validation, and real-world analyses of drug safety and effectiveness	CIHR	\$160,650	\$481,950	Apr-22	Mar-25
Bernatsky S, Smargiassi A	M Abrahamowicz, J Aviña-Zubieta, P Awadalla, H Chen, T Dummer, M Goldberg, S Jean, M Johnson, D Levy, J Spinelli, S Weichenthal, J Widdifield	Air pollution and systemic autoimmune rheumatic diseases	CIHR	\$154,530	\$772,650	Oct-18	Sep-23
Tamblyn R, Totino L	Abrahamowicz A, Bartlett S , Buckeridge D, Lee T, McDonald E, Motusky A, Pupo R, Thavon K, Weir D	Evaluating the effectiveness of Smart About Meds (SAM), a mobile app to improve medication management following hospital discharge	CIHR	\$46,139	\$184,556	Apr-22	Mar-26
Aviña-Zubieta A, Esdaile JM	H Choi , M Dawes, M Etminan, D Lacaille , LC Li , D Maberley, K Shojanian , H Xie	Risk of Retinal Toxicity in Patients with Systemic Lupus Erythematosus and Rheumatoid Arthritis on Long-term Hydroxychloroquine Therapy	CIHR	\$141,525	\$707,625	Mar-19	Feb-24

Bernatsky S,	Chandran V, Bowdish D, Hitchon C, Gingras AC, Haroon N, Inman R, Cook R, Kaplan G, McGeer A, Piguet V, Rahman P, Silverberg M, Watts T, Kuriya B, Garner S, Larche M, Marshall J, Nazy I, Aviña-Zubieta JA, Barnabe C, Boire G, Colmegna I, Fortin P, Hazlewood G, Lacaille D, Widdifield J, Colwill K, Wood H	Standard Operating Procedure (SOP) for Safety immUnogenicity of Covid-19 vaCcines in systEmic immunE mediated inflammatory Diseases (SUCCEED)	Canadian Immunization Task Force (on behalf of the Public Health Agency of Canada)	\$59,632	\$3,187,905, (UBC portion is \$119,263)	Apr-22	Mar-23
Etminan M, Aviña-Zubieta JA	D Lacaille , H Tremlett, L Targownik, RA Marrie, GG Kaplan, JN Pena-Sanchez, H Xie	Tumor necrosis factor inhibitors (TNFi) and Risk of Multiple Sclerosis	CIHR	\$62,333.33	\$187,000	Sep-19	Aug-22
Bernatsky S, Smargiassi A	M Abrahamowicz, J Aviña-Zubieta, P Awadalla, H Chen, T Dummer, M Goldberg, S Jean, M Johnson, D Levy, J Spinelli, S Weichenthal, J Widdifield	Air pollution and systemic autoimmune rheumatic diseases	CIHR	\$128,775	\$772,650	Oct-18	Sep-24
Gomez-Puerta J	R Sanmarti, M G Magaña, JA Aviña-Zubieta, C Carbonell Abella, D Martinez	Disease Burden of Inflammatory Rheumatic Diseases in Cataluña	Spanish Minister of Science and Innovation	\$33,268	\$66,535	Apr-22	Mar-24
Touma Y	Shaw W, Ho M, Aviña-Zubieta JA, Bingham K, Rozenbojm N, Bernatsky S, Pineau C, Vinet E, Fortin P, Masto M, Legault K, Peschken C, Keeling S, Stieman A, Silverman E, Reynolds J, Haaland D, Pope J, Beel M, Ivory C, Lim L, Katz P, Gladman D, Urowitz M, Sanchez-Guerrero J	Work disability and function in systematic lupus erythematosus: a national mixed-methods sequential explanatory study	CIORA	\$40,000	\$120,000	Jun-20	Jan-23

MacDermid J, Backman C , Birmingham T, Bouer L, Marshall D , Moyer R, Ronsky J, Roy JS, Thomas A	Knowledge User: K Hofstetter, M Hunt, J Whittaker	Canadian Musculoskeletal (MSK) Rehab Research Network	CIHR	\$399,398	\$1,996,990	Jan-20	Dec-24
Bansback N , Harrison M	Anis A, De Vera M , Clement F, Law M, Beall R	Evaluating the impact of a mandatory switching policy for biosimilars	CIHR	\$33,150	\$99,450	Apr-21	Mar-24
Law M	N Bansback , L Goldsmith, M Harrison , AM Holbrook, S Majumdar, M Mamdani, S Wong	Improving access to medicines in Canada and abroad	CIHR	\$89,214	\$624,498	Jul-16	Jun-23
van der Veer S, Dixon W	N Bansback	Transforming outpatient consultations by integrating regular symptom tracking into clinical care: the Remote Monitoring of Rheumatoid Arthritis (REMORA2) study	VERSUS Arthritis UK & NIHR	\$925,000	\$3,700,000	Oct-21	Nov-25
Barber C	Jones CA, Barnabe C, Lacaille D, Hazlewood G , Widdifield J, Wallace Y (pt)	Implementation of the Alberta Rheumatology Provincial Learning Health System	CIHR	\$104,549.67	\$313,649	Apr-23	Mar-26
Barber C , Lacaille D , Widdifield J	Abrahamowicz M, Aviña-Zubieta JA, Barnabe C, Esdaile JM, Faris P, Hazlewood G, Katz S, MacMullan P, Marshall DA, Mosher D, Xie H	Understanding the effect of adherence to system-level performance measures on outcomes for rheumatoid arthritis	CIHR	\$76,500	\$229,500	Apr-20	Mar-23

Barber C, Crump T	C Barnabe, E Dempsey, G Hazlewood, A Hoens, S. Katz, J Kopec, D Lacaille, P MacMullan, D Mosher, J Rankin, J Sutherland, K Then	Psychometric evaluation of a measure of care complexity in rheumatoid arthritis	CIHR	\$99,195	\$297,584	Sep-22	Aug-25
Barber C	Hoens A, Manske S, Hazlewood G, Ward R, Lacaille D, Lopatina E, Barber M, MacMullan P, Mosher D, Fifif Ma A, Jung M, Phillips L, Twilt M, Luca N, Then K, Crump T, Osinski K, Job B, Dhiman K, Zafar S, Bhangu G, Subdar S	Development and pilot of a shared-care model for rheumatoid arthritis leveraging an “on-demand” follow-up strategy	CIORA	\$54,898	\$109,796	Jul-22	Jun-24
Ahluwalia V, Apple T, Eder L, Laur C, Thorne C, Widdifield J	C Barber, S Bernatsky, G Hawker, C Hofstetter, N Ivers, B Kuriya, L Passalent, P Rochon, L Soever, A Steiman	The Ontario Rheumatology Learning Health System for Transforming Integrated Care for Patients with Rheumatic and Musculoskeletal Disorders	CIHR	\$391,303	\$1,956,515	Apr-23	Mar-28
Beaupre L, Finseth E, Eubank B, Ferguson-Pell M, Sheps D	E Armstrong, C Barber, A Charlton, A Kania-Richmond, J Martyn, P Paul, A Ramadi, J Robert, J Round, C Smith	Using Digital Health to Better Serve Rural Albertans living with Shoulder Pathology: Alberta's Remote Management of ShoUlders Program (ARMS UP)	CIHR	\$264,643.80	\$1,323,219	Apr-23	Mar-28
Tugwell PS, Welch V	S Ali, C Barber, C Barnabe, A Darzi, O Dewidar, G Hazlewood, A Lee, LC Li, O Magwood, L Maxwell, J Petkovic, B Shea, E Tomlinson, K Toupin-April	Reducing inequitable differences in health outcomes in the treatment of Arthritis	CIHR	\$138,974.67	\$416,924	Oct-23	Sep-26

Barber M	C Barber, A Clarke, L Skieth	Healthcare access and quality of care in Albertan patients with systemic lupus erythematosus and antiphospholipid antibodies/antiphospholipid syndrome	Cumming School of Medicine Seed Grant	\$12,500	\$25,000	Apr-23	May-24
Barber M		Exploring how Alberta's lupus patients living with antiphospholipid antibodies access health information, communicate with physicians and experience their disease: a mixed methods approach	The MSI Foundation	\$50,000	\$100,000	Jun-21	May-23
Barnabe C, Healy B, Tailfeathers E, Crowshoe L, Currie C, Fellner K, Henry R, Voyageur C	R Weasel Fat, J Baker, B Bastien, S Chisan, A Greenshaw, R Henderson, A Kennedy, S Kutz, A Loyola-Sanchez, L ManyGuns, T Oosterbroek, M Rock, W Shotyk	Alberta Indigenous Mentorship in Health Innovation Network (AIM-HI Network)	CIHR	\$200,000	\$1,000,000	Oct-19	Sep-24
Barnabe C, Crowshoe L, Bablitz C, Green M, Henderson R, Kennedy A, Montesanti S, Murry A, Roach P, Tailfeathers E	Auger C, Auger J, Baker J, Chowdhury C, Crowshoe T et al	Indigenous Primary Health Care and Policy Research (IPH CPR) Network in Alberta	CIHR	\$700,000	\$3,500,000	Oct-19	Sep-24

Barnabe, C	G Hazlewood , A Fifi-Mah, N Johnson, D Lacaille , B Thombs, R Henry, T Lane, M Kuluva, C Koehn	Supporting equitable outcomes in diverse populations with rheumatoid arthritis through appropriate guideline implementation, practice and policy approaches	CIORA	\$49,898	\$99,796	Jun-21	May-23
Barnabe, C	Barber CEB , Elliot M, Holroyd BR, Homik J, Katz S, Keeling S, Lang E, Lin K, Luca N, McLane P	Acute care use by patients with Inflammatory Arthritis conditions: Health system impact and solutions for ensuring appropriate ambulatory care access”	CiHR	\$100,000	\$100,000	Oct-19	Mar-22
Barnabe C	C Barber , C Shukalek	Avoidable Acute Care Use for Inflammatory Arthritis Conditions: Groundwork to Improve Inflammatory Arthritis Health Service and System Quality	CIHR	\$313,649	\$313,649	Mar-23	Feb-24
TBA	C Barnabe	Quality of Care for Metis in Alberta Emergency Departments: Co-Creating Understandings and Definitions”	Metis Nation of Alberta	\$104,437	\$313,310	Apr-23	Mar-26
Austen Wiebe VJ, Bill, Kashuba S, MMcLane P, Tailfeathers E	C Barnabe , R Bartel, R Henderson, B Holroyd, A James, K Janvier, J Khangura, M Landry, E Lang, E Louis, R Oster, K Rittenbach, P Roach, T Big Plume, K Foudy	Advancing Anti-Racist and Equity-Oriented Care in the Emergency Department with First Nations Partners	CIHR	\$437,963	\$1,751,852	Apr-23	Mar-27
Boyd S, Cheung A, Morin S	Alexander T, Alos N, Andronowski J, Barnabe C et al (+50)	OsNET: The Canadian Bone Health Research Network	CIHR	\$400,000	\$1,200,000	Jul-23	Jun-26

Emery C	C Barnabe , K Belton, L Benson, A Black, P Elson, R Ferber, P Fuselli, C Goulet, E Brent, M Jordon, S Kenny G Kuntze, C Lebrun, K MacDonald, A Macpherson, DA Marshall, J Whittaker et al	SHRed Injuries: Preventing Injuries and their consequences in youth sport and recreation	CIHR	\$148,493	\$1,039,450	Jul-18	Jun-25
Manske S	C Barnabe , S Bonaretti, A Burghardt, K Stok, LS Tam, J Tse	Development of an open-source reference data set, image repository and interactive training tool for bone damage assessment in inflammatory arthritis	CIHR	\$20,000	\$20,000	Jun-22	May-23
Manske S	C Barnabe, G Hazlewood , P Salat, D Mosher, C Barber , S Barr, R Deardon	Advanced multi-modal imaging to predict early inflammatory arthritis progression	The Arthritis Society	\$124,843	\$374,530	22-Mar	Feb-24
Benseler S , Haddad E, Yeung R	Morris QD	Precision Decisions in MIS-C: Towards improving outcomes in children with COVID-19	CIHR	\$229,500	\$459,000	Mar-23	Feb-24
Benseler S , Miettunen P, Esser M		Efficacy, safety and tolerability, pharmacokinetics and pharmacodynamics, of	Swedish Orphan Biovitrum (SOBI) AG	\$119,430	\$238,859	Apr-22	Mar-24
Benseler S, Marshall DA , Wilson J	Celluci T, Currie G, Page S, Stringer E, Swart J, Wulfraat N, Yeung R	Producing an Arthritis Value-framework with economic Evidence - Paving the Way for Rare Childhood Diseases	CIHR	\$150,000	\$300,000	Jan-22	Dec-24

Andrade B, Archibald M, Benchimol E, Birkin C, Chafe R, Chaillet N et al	S Ali, S Anthony, D Beal, A Beaudoin, M Beggs, R Bell, S Benseler et al	Empowering Next-generation Researchers in perinatal and Child Health (ENRICH)	CIHR	\$125,000	\$500,000	Jan-22	Dec-27
Choi M	Dufour A	Sporadic Inclusion Body Myositis Proteomics to Identify Novel Biomarkers (SPIN)	University of Calgary	\$20,000	\$20,000	May-22	Apr-23
Choi M	Clarke AE , Costenbader K, Elliott S, Skeith L	SLE-CALCULATOR: Systemic Lupus Erythematosus Cardiovascular Disease Event Risk Prediction Using Machine Learning Techniques and Novel Thrombotic Autoantibodies	CIHR	91,800	\$183,600	Oct-21	Sep-23
Cibere J	J Esdaile , B Forster, J Kopec , L Li , D Wilson, H Wong,	Population-based longitudinal cohort study of femoroacetabular impingement of the hip using magnetic resonance imaging outcomes	CIHR	\$177,225	\$531,674	Oct-20	Sep-25
Vinet E	S Bernatsky, AE Clark , PR Fortin , J Hanly, C Peschken, Z Touma	Risk stratification and personalized therapy in lupus pregnancies	CIHR	\$151,470	\$757,350	Oct-22	Sep-27
Colmegna I , Fortin PR	Bernatsky S, Ward B, Flamand L, Dionne M	COVID-19 Vaccine in Immunosuppressed Adults with Autoimmune Diseases	Province of Quebec Ministry of Health	\$800,000	\$800,000	Dec-21	Nov-22

Colmegna I, Nijnik A, Langlais D		Hematopoietic stem and progenitor cells as mediators of trained immunity in rheumatoid arthritis	CIHR	\$199,800	\$999,000	Oct-20	Sep-25
Colmegna I, De Serres G, Fortin P	Brazinn R, Bernatsky S, Hudson M et al	COvid-19 Vaccines Booster in Immunocompromised Rheumatic Diseases (COVBIRD)	CIHR	\$995,312	\$995,312	Dec-21	Nov-22
Colmegna I, Costiniuk C, Pelaez S	Legare J, Merry L, Ruppenthal L	COVID-19 Vaccine Confidence Among At-Risk and Under-Vaccinated Groups Within HIV and Rheumatic diseases (CONFIDENCE)	CIHR	\$74,750	\$149,500	Oct-21	Sep-23
Colmegna I,		Circulating extracellular vesicles in rheumatoid arthritis: Novel biomarkers of methotrexate treatment response	TAS	\$50,000	\$100,000	Feb-22	Jan-24
Da Costa D	M De Vera, PR Fortin, E Rahme, E Vinet, F de Montigny	Mental Health in Individuals with Autoimmune Rheumatic Diseases During the Transition to Parenthood: A Mixed Methods Study to Identify Associated Factors and Support	CIHR	\$79,560	\$198,900	Apr-23	Sep-25
De Vera M	N Amiri, E Sayre, S Ensworth, C Baldwin, N Rebic	Following maternal, neonatal, and childhood outcomes associated with use of arthritis medications perinatally (FAMILY)	The Arthritis Society	\$140,000	\$420,000	Apr-23	Mar-26

Dutz J		Inhibition of tissue resident memory T-cells as a therapy for contact hypersensitivity	CIHR - Operating Grant: Canadian Dermatology	\$25,000	\$50,000	Sep-22	Aug-24
Fortin P	M Abrahamowicz , E Boilard, J Rauch	Mapping anti-mitochondrial antibodies in systemic lupus erythematosus	CIHR	\$138,760	\$416,280	Jun-20	Jan-23
Boilard, E	Droit A, Fortin PR	Role of megakaryocytes in Systemic Lupus Erythematosus	CIHR	\$146,880	\$734,400	Apr-23	Mar-28
Boilard, E	P Fortin , C Belleannée, S Lacroix	Platelets and neutrophils: The two culprits mediating pain in inflammatory arthritis	CIHR	\$96,390	\$910,350	Apr-20	Mar-25
Bourgoin S	Fortin P	Role of phosphatidylserine-specific phospholipase A1 (PLA1A) in the pathogenesis of rheumatic diseases	The Arthritis Society	\$150,000	\$450,000	Apr-23	Mar-26
Dieudé M	P Fortin , E Boillard, H Cardinal,	Impact of Vascular Injury Derived Exosomes on Lupus Nephritis	CIHR	\$115,515	\$577,575	Apr-22	Mar-27
Harrison M , Apantaku G		Exploring Health Vulnerabilities to Climate Change: A Participatory Approach to Research Design	CIHR	\$20,000	\$20,000	Jun-22	May-23
Hazlewood G , Tugwell P, Wells G	Bansback N, Barber CE , Elliott J, Kamso M , Kelly S, Maxwell M G	Living systematic reviews of pharmacological treatments for Rheumatoid Arthritis	CIHR	\$46,279	\$185,114	Oct-21	Sep-25
Hazlewood G , Bernatsky S	Abrahamowicz M, Bartlett S, Clarke A, Fortin P , Hanly J, Li LC , Peschken C, Vinet E	Hydroxychloroquine in systemic lupus	CIHR	\$68,468	\$342,340	Apr-18	Mar-23

Hazlewood G, Wells G	N Bansback, C Barber, C Barnabe, C Bombardier, V Bykerk, P Charlton, A Scott, D Choquette, R Deardon, J Elliott, MM Kamso, S Kelly, L Proulx, L Richards, O Schieir, J Thomas	Personalizing the choice of therapy in rheumatoid arthritis	CIHR	\$420,752	\$420,752	Apr-22	Mar-26
Akl E, Butcher N et al	W Alhazzani, Alonso P, Avey M, Hazlewood G et al	COVID-19 Recommendations and Contextualization (eCOVID19RecMap) Extension	CIHR	\$999,984	\$999,984	Jun-22	May-23
Hutton B, Moher D, Straus SE, Tricco AC, Wells G	AM Abou-Setta, G Hazlewood, B Hemmelgarn, A Hossain, Z Jordan, S Kelly, E Langlois, J Presseau, A Proctor, B Reeves, A Stevens, K Thavorn, M Tunis, J Watt	Drug Safety and Effectiveness Network Methods and Applications Group in Indirect Comparisons (DSEN MAGIC) Team	CIHR	\$272,174	\$816,522	Apr-20	Mar-25
Waggas A, Bernatsky S, Boire G, Bykerk V, Lakatos P, Maksymowycch W, Moura C, Targownik L	Choquette D, Hazlewood G, Pilote L, Pope J, Vinet E, Widdifield J	Comparative Effectiveness and Safety of Biosimilar and Legacy Drugs	CIHR	\$314,122.20	\$1,570,611	Oct-21	Sep-22
Akl E, Butcher N et al	W Alhazzani, Alonso P, Avey M, Hazlewood G et al	COVID-19 Recommendations and Contextualization (eCOVID19RecMap) Extension	CIHR	\$999,984	\$999,984	Jun-22	May-23

Hoa S	D Assayag, M Baron, S Golch, M Hambly, M Hudson , M Larche, JL Senecal	Randomized Double-Blind Placebo-Controlled Clinical Trial to Assess the Efficacy of Mycophenolate Mofetil in Subclinical Interstitial Lung Disease Associated with Systemic Sclerosis: a Feasibility Study	CIHR	\$92,437	\$346,640	Oct-22	Jun-26
Archambault P, Awadalla P et al	Allin S, Arino J, Hoens A et al +50	Long COVID Web: Pan-Canadian Post-COVID Condition Research Network	CIHR	\$3,999,922.80	\$19,999,614	Nov-22	Oct-27
Bostick G, Bussieres A, Cooper L, McNiven N, Wideman T, et al	Bement M, Bhanji F, Fishman S, Hudon A, Hoens A (Collaborator) et al	Improving pain education across entry-level physiotherapy programs in Canada: An integrated knowledge translation study	CIHR	\$120,870	\$604,350	Apr-21	Mar-26
Hudson M, Colmegna I, Farge D	Hoa SA , Laneuville P, Peltier L, Resche-Rigon M, Schnitzer M	Phase I/II randomized controlled clinical trial of umbilical cord-derived mesenchymal stromal cells in refractory systemic sclerosis	CIHR	\$140,000	\$420,000	Apr-19	Mar-24
Hudson M, Johnson S, Denton C	TBA	Multicriteria decision analysis with 1000 Minds for developing scleroderma renal crisis classification criteria	CIORA	\$60,000	\$60,000	Oct-23	Sep-24
Leask A, Philip A	M Hudson	Characterization of a novel anti-fibrotic peptide for the treatment of scleroderma	CIHR	\$97,308	\$486,540	Apr-21	Mar-26

Jamal S, Appleton T	C Ye, J Pope, M Hudson	Early Adalimumab Induction for Treatment of Steroid-Dependent Checkpoint Inhibitor Associated Inflammatory Arthritis: A Pragmatic Randomized Clinical Trial	CIORA	\$58,200	\$116,400	Oct-23	Sep-25
Jones CA, Drummond N	Barnabe C, Barber CEB	Rheumatoid Arthritis in Canadian Primary Care Settings: Epidemiology, Management of Care and Patient Experience	The Arthritis Society	\$99,884	\$299,652	Apr-21	Mar-24
Sawatzky R, Cuthbertson L, Lix LM, Pamilla Lopez, MJ, Salmon A, Schick, Makaroff K, Zelinsky S, Zumbo B	Antonio M, Clelland S, Courtney K, Falk C, Fischer F, Gadermann AM, Gibbons C, Hawkins M, Jackson J, Klarenbach S, Kopec JA, Kwon JY, Lau F, Liu J, Pinto A, Ratner P, Russel L, Sajobi T, Valderas JM, Wolff A, Wong H, Chlen J	Novel methods for equitable people-centred health measurement	CIHR	\$190,294	\$761,176	Apr-22	Mar-23
Lacaille D	Bansback N, Barber C, Barnabe C, Bartlett S, Colmegna I, Da Costa D, Fortin P, Hazlewood G, Hoens A, Koehn C, Li L, Michou L, Oelke N	FlexCAre: Co-developing a Flexible Care Delivery Model for Inflammatory Arthritis	The Arthritis Society	\$112,500	\$450,000	Dec-22	Mar-26
Morton L, Lacaille D	GJ Macfarlane, R Hollick, K Walker-Bone	Supporting people with musculoskeletal disorders in Scotland to remain in work: adapting the Making it Work™ intervention developed for people with inflammatory arthritis in Canada.	Government of Scotland, £232,840	\$402,500	\$402,500	Jan-22	Dec-23

Lacaille D, Bansback N, Barber CEB, Koehn C, Li LC	Barnabe C, Bartlett S, Da Costa D, Fortin P, Hazlewood G, Hoens A, Oelke NN	CLARITY: Co-developing a flexible care delivery model for Rheumatic Inflammatory diseases	CIHR	\$20,000	\$20,000	Apr-22	Mar-23
Lim L, Pulenayegum E	D Lacaille , M Oguzoglu, J Stinson, R Woodgate	Accelerating discoveries: The employment trajectory of young adults with systemic lupus erythematosus	CIHR	\$214,200	\$321,300	Apr-22	Mar-23
White M	SM Bruyère, A Day, RE Gewurtz, D Lacaille , C Maheu, F O'Hagan, IZ Schultz, SL Wagner, K Williams-Whit, K Aslanowicz, E. Ballermann, D Boucher, J Friesen, M. Gallina, M Haan, M Parkinson	Harnessing Talent: Alliance for Recruiting and Retaining Canadians with Disabilities	Employment and Social Development Canada - Opportunities Fund for Persons with Disabilities – Working with Employers	\$499,879	\$1,499,637	Apr-20	Sep-22
Widdifield J	S Bernatsky, D Lacaille , V Ahluwalia, A Singer, K Tu, L Jaakkimainen, D Mosher, C.Thorne, L. Eder, M Zummer, D Haaland	Enhancing the Use of Rheumatology Electronic Medical Records to Evaluate and Optimize Care	The Arthritis Society	\$99,369	\$298,108	Apr-21	Mar-23
Li LC (NPA) , Liu-Ambrose T	Brady S, Davis J, Feehan L, Gromala F, Hawker G, Hoens A , Holmes B, Kho M, King L, Madden K, Shaw C, Smith R, Wang E, Waugh K, Whittaker J , Wilhelm L, Xie H	Mobilizing digital health to promote a balanced 24 hour activity profile in older adults with arthritis and early state frailty	CIHR	\$20,000	\$20,000	Apr-22	Mar-23
Li LC , Liu Ambrose T	C Bartha, J Brubacher, J Davis, T Dignum, R Falck, C Hsu, M Kho, T Manyango, L Nagamatsu, N Parmar, D Skelton, O Theou, H Wong	ACTIVE: Adding Life to Years in Cognitive Frailty by Preventing Falls	CIHR	\$163,710	\$818,550	Apr-23	Mar-28

Kho ME, Chan TMY, Marshall JC, Murthy S, Muscedere J, Park S	Archambault P, Ball I, Boyd J, Brooks D, Burns K, Choong K, Carayannopoulos K, Caron C, Cook D, D'Aragon F, Duan E, Fowler R, Li LC , Fox-Robichaud A, Herridge M, Karachi T, Reeve B, Lamontagne F, Lee L, Lewis K, Mehta S, Reid J, Rochweg B, Rudkowski J, Seely A, Semrau J, Thabane L, Tsang J, Williamson D	CYCLE RCT: Process evaluation, end-of-grant knowledge translation, and planning for future ICU survivorship rehabilitation interventions	CIHR	\$100,000	\$100,000	Apr-23	Mar-24
Li LC , Liu-Ambrose T, Davis J	R Falk, K Madden, R Rhodes, M Sadatsafavi, HC Wong	SuPA Mobility: Supporting Physical Activity to Promote Mobility in Mobility-Limited Older Adults	CIHR	\$105,188	\$631,128	Apr-21	Mar-27
Li LC , Liu-Ambrose T	Bartha C, Davis J, Falck R, Feehan L, Hoens A , Holmes B, Kho M, Leese J , Ma J , Mackay-Lyons M, Madden K, Mayo N, Theou O, Wong H, Xie H	Moving More: Supporting uptake of evidence for physical activity in older adults with complex health care needs	CIHR	\$129,094	\$516,376	Apr-22	Sep-25
Li LC , Michalak E	S Bryan, N Bansback , A Hoens , CL Backman , L Nimmon, C Hamilton , J Leese , G Macdonald ,	Advancing Integrated Knowledge Translation: Understanding Patients' Experiences as Partners in Patient-oriented Research	BC SUPPORT Unit, BC Academic Health Science Network (AHSN)	\$79,167	\$237,500	Jul-22	Jun-23
Liu-Ambrose T (NPA), Li LC , Rosano C	Bartha C, Campbell K	International Research Symposium on Muscle-Brain Crosstalk to Promote Healthy Aging	CIHR	\$10,000	\$10,000	Apr-22	Mar-23

Tricco A, Straus S, Abou-Setta AM, Barker K, Clement F, Clifford TJ, Colquhoun H, Curran J, Godfrey C, Isaranuwachai W, LeBlanc A, Li LC , Moffitt P, Moher D, Teare GF	Barnabe C , Graham I, Ivers N, Klassen T, Legare F, Mitton C, Morin S, Scott S, Sibely K, Snelgrove-Clarke E, Squires J, plus > 100 investigators	SPOR Evidence Alliance	CIHR	\$2,630,000	\$2,630,000	Jul-22	Dec-23
Li LC	T Liu-Ambrose, S Murphy, F Feldman, M Oakey, J Davis, J Ma , C Koehn, L Dian, D Jehu, H Xie	Implementing an evidence-based exercise program to reduce falls in community-dwelling seniors	MSFHR	\$166,667	\$500,000	Apr-18	Mar-24
Li LC, Lacaille D	E Davidson, A Hoens , M Coutts	the OPERAS project - inaugural Olga Munari Arthritis Ideator Award	The Arthritis Society	\$50,000	\$50,000	Jul-22	Jun-23

Jung ME, Alexander A, Casmey S, Coes C, Compton S, Cullen L, Hartley-Folz S, Hughes CL, Kyle JL, Logan SM, Paterson K, Squires S, Bean C, Fuller DL, Li LC , Martin Ginis KA, Sherifali DT, Witteman HM	Davis JC, McGavock JM, Ndjaboue R, Singer J, Strachan SM	Small steps for big changes: Implementing an evidence-based diabetes prevention program into diverse urban communities	CIHR	\$493,117.17	\$2,958,703	Oct-22	Sep-28
Black A, Bosma R, Fernandez N, Goldwitz D, Kent A, King M, Leblanc A, McCormick R, Poitras ME, Robinson-Settee	Abou-Setta A, Atherton P, Aubin D, Bacon S, Li LC , Tricco A et al	Innovative National Strategies for Patient-Oriented Research Education / Stratégies Nationales Innovantes pour l'Éducation en Recherche axée sur le Patient (INSPIRE)	CIHR	\$875,000	\$5,250,000	Mar-21	Feb-27

Bourbeau J, Anderson DR, Batist G, Bell EC, Benoit BL, Collister D, Dasgupta K, Fahim C, Fergusson DA, Filion KB, Gahagan JC, Goos L, Khan NA, King M, Li LC , Mitra S, Morin SN, Pilote L, Reiman T, Richer LP, Saleh RR, Sapp JL, Tomblin Murphy GG, Yeh, AE	Lacaille D, Bansback N and 58 co-investigators	Canadian Consortium of Clinical Trial Training (CANTRAIN) platform: enhancing career preparedness in RCT research targeting different audiences across the continuum	CIHR	\$3,772,441	\$11,317,324	Sep-22	Aug-25
Crizzle A, Elzohairy Y, Vrkljan B	J Dow, G Equakun, LC Li, S Marshall, N Meger, E Mychael et al	Medically at-risk drivers: The road to developing evidence-based fitness to drive guidelines	CIHR	\$133,875	\$803,250	Apr-18	Mar-24
Guzman, J	Cabral D, Feldman B, Li LC , Loughin T, Stringer E, Toupin-April K, Tucker L	Treating children with arthritis according to their individual probability of outcomes and response to treatments - The PERSON-JIA Trial	CIHR	\$91,035	\$455,175	Apr-21	Mar-26

J Robinson, S Singh	L Battersby, T Bubela, P Casari, L Funnell, A Godfreyson, S Hajazi, R Kherani, LC Li , J Matheson, I Mathes, T O'Callaghan, S Smith, M Tecson, D Whitehurst	Preventing the next fracture: Spreading Fracture Liaison Service across British Columbia	CIHR	\$150,000	\$150,000	Mar-23	Feb-24
Tucker L	Guzman J, Cabral D, Feldman B, Li LC , Loughin T, Stringer E, Toupin-April K, Tucker L	PERSON-JIA: the Personalized Estimates of Response and Severity Outcomes in Newly-diagnosed Juvenile Idiopathic Arthritis trial	The Arthritis Society	\$98,026.67	\$294,080	Apr-21	Mar-26
Marshall DA , Johnson J	Nick Bansback and other co-investigators	Effectiveness of an individualized decision aid for total knee arthroplasty implemented in routine clinical practice	EUROQOL	\$134,946	\$269,891	Apr-23	Mar-25
Marshall DA	C Barber , E Bohm, P Faris, G Hazlewood , J Miller, T Noseworthy, J Robert, S Teare, G Tomlinson, C Weeks, J Werle	Towards a patient-centered system: Integrating preferences of patients with osteoarthritis into evaluation of health services interventions to improve patient outcomes and health system efficiency	CIHR	\$94,350.33	\$283,051	Apr-19	Mar-22

Marshall DA	M Ryan, G Currie, F Bernier, E Carr, L Lora Rebolledo, V Watson	Bringing the Patient Voice into Decision Making in Health	University of Calgary and the University of Aberdeen (Scotland)	\$19,800	\$19,800	Jun-21	May-22
Baumgart D, Bercik P, Bernstein C, Calliou S, D'Silva A, Daley K, De Nino A, De Souza R, Marshall DA , Nguyen G, Otley A et al		IMAGINE (Inflammation, Microbiome, and Alimentation: Gastro-Intestinal and Neuropsychiatric Effects) SPOR Chronic Disease Network - Knowledge Mobilization & Implementation Science Phase 2	CIHR	\$183,438	\$733,750	Apr-22	Mar-26
Bryan S, Doupe M, Gallant N, Lopatina E , Manhas K, Jot P, McGrail K, Noseworthy T, Singal D, Wasylak T, Zelinsky S, Marshall DA	Bielska I, Bruce M, Hamilton C et al	Enhancing a Community of Practice for the Health System Impact Fellowship Program: Advancing Capacity for Sustainable & Patient-Centred Learning Health Systems across Canada	CIHR	\$140,000	\$350,000	Jul-22	Dec-24

Westby M	Marshall DA, Backman C, Barber C, Koehn C, Kerr S	Moving towards equity in hip and knee replacement rehabilitation: A feasibility study to test implementation of online quality indicator toolkits	The Arthritis Society	\$100,000	\$200,000	Apr-22	Mar-24
Gagliardi A	Marshall D, Hazlewood G	Co-generating strategies to support equitable person-centred early diagnosis and management of osteoarthritis	The Arthritis Society	\$115,167	\$345,500	Apr-21	Mar-24
Michou L		the impact of a rare variant of the Wnt1 gene in three types of bone cells”	Université Laval	\$12,000	\$12,000	Apr-22	Sep-22
Michou L		the study of SUPT20H in the pathogenesis of rheumatoid arthritis	French Rheumatology Association	\$13,500	\$27,000	Apr-22	Mar-24

Prlic H	L Li, H Xie, D Lacaille, A Aviña-Zubieta	Osteoarthritis and cognitive function: A population-based cross-sectional study	Arthritis Health Professions Association	\$11,500	\$11,500	Apr-23	Mar-24
Rebic N	Brotto L, Cragg J, M De Vera , Law M, Malta M	Ethical partnerships with transGender And Gender diverse communities for conducting pharmacoEpidemiologic research (EnGAGE)	CIHR	\$19,740	\$19,740	Jun-22	May-23
Thomas M	M De Vera, M Harrison	Towards addressing equity considerations in research and care of patients with inflammatory arthritis (ACCESS)	CIHR	\$19,870	\$19,870	Jun-22	May-23
J Whittaker	E Roos	OPTIKNEE: An international consensus to optimize knee health after knee injury	CIHR	\$25,000	\$25,000	Jul-23	Jun-24
Whittaker J	Silvester-Lee T (Patient Co-Lead), Hunt M, Mosewich A, Miciak M, Le C , Pajkic A (Patient partner, Alberta)	Feasibility of the TeleRehab Stop OsteoARthritis (SOAR) Program	MSK Rehab Network	\$10,000	\$10,000	Jul-22	Jun-23

Whittaker J	J Losciale , C Mitchell, M Koehle, F Rossi, A Schweitze, M Theret	Old muscles in young people: Mapping the decline of muscle health in musculoskeletal conditions	UBC - University of British Columbia Health Innovation Funding Initiative	\$25,000	\$25,000	Jul-22	Jun-23
J Whittaker , K Kausky		Navigating the maze: Supporting family physicians in rapid, accurate diagnosis, management, and referral of acute knee trauma	SharedCare - Government of British Columbia and Doctors of BC	\$15,000	\$15,000	Jul-22	Jun-24
Abbott J	R Wilson, K Coppel, J Kidd, R Bell, S Skou, K Smiler, T Stokes, Y Pryymachenko, P Nicolson, D Gwynne-Jones, A Tangiora, P Choong, K Bennell, R Buchbinder, D Marshall , M Dowsey, J Whittaker	Reducing the burden of osteoarthritis in Aotearoa (New Zealand).	Health Research Council of New Zealand	\$809,700	\$4,048,500	Jul-22	Jun-23
D O'Brien	J Whittaker , Reid, R Ellis, T Wilson-Uluinayau	Exploring the medium to long term well-being of people with post-traumatic knee osteoarthritis following ACL tear in Aotearoa (New Zealand)	Arthritis New Zealand	\$45,630	\$45,630	Jul-22	Jun-25
Xie, H		Statistical Methods for bias controlling in the analysis of rich data	Natural Sciences & Engineering Research Council (NSERC)	\$18,000	\$90,000	Jul-18	Jun-23
Annual Total 2022-2023				\$30,370,939			

SCIENTIST FUNDING - Salary Grants					
Peer Review					
Funding Agency	Title	Faculty	Start/End Date	Annual Amount	Total Awarded
BC Lupus	Lupus Scholar Award	Aviña A	2010 - 2022	\$50,000	\$600,000
CIHR	Canada Research Chair in Rheumatoid Arthritis and Autoimmune Diseases (Tier 2)	Barnabe C	Oct 19 - Sep 24	\$100,000	\$500,000
CIHR	Canada Research Chair in Medication Adherence, Utilization, and Outcomes (Tier 2)	De Vera M	Apr 17 - Mar 22	\$100,000	\$500,000
CIHR	Canada Research Chair in Systematic Autoimmune Rheumatic Diseases (Tier I) - Renewal	P Fortin	Jul 12 - Mar 26	\$200,000	\$1,950,000
Canada Research Chair Program	Canada Research Chair in Patient-Oriented Knowledge Translation	Li L	Apr-19 - Mar 24	\$100,000	\$500,000
UBC	Knowledge Exchange and Mobilization (KxM) Scholar Award	Ma J	Apr 23 - Mar 25	\$10,000	\$20,000
MSFHR	MSFHR Salary Award	Whittaker J	Jul 20 - Jun 25	\$90,000	\$450,000
TAS	Stars Career Salary Award, - Overcoming obstacles to prevent osteoarthritis after a sport-related injury	Whittaker J	Apr 20 - Mar 23	\$125,000	\$375,000
Annual Total				\$775,000	
2022-2023					

Endowed Chairs					
UBC	Mary Pack Chair	Lacaille D	Sep 11 -		

UofC	Arthur J.E. Child Chair in Rheumatology Outcomes Research	Marshall D	Jul 12 - July 22		
UofC	Arthur J.E. Child Chair in Rheumatology Outcomes Research	Barnabe C	July 22 -		
UBC	Harold Robinson-Arthritis Society Chair in Rehabilitation Sciences	Li L	Jul 16 -		
SFU	Maureen and Milan Illich Chair in Statistics and Information Sciences for Arthritis and Musculoskeletal Disease	Xie H	Sep15 -		

TRAINEE AWARDS						
Funding Agency	Award Type and/or Research Title	Trainee	Supervisor	Start/End Date	Annual Amount	Total Awarded
The Scientific and Technological Research Council of Turkey	Postdoctoral Research Fellowship award	Bayraktar D	Li L	Jul 23 - Jun 24	\$46,120	\$46,120
University of British Columbia	Andrew Nord Fellowship in Rheumatology	Daftarian N	Aviña-Zubieta JA	Jul 22 - Jun 26	\$22,000	\$88,000

Alberta Innovates	Graduate Studentship - Cost-effectiveness of early initiation of personalized biologic treatment in children with juvenile idiopathic arthritis	Grazziotin-Lago L	Marshall D	Jun 20 - May 23	\$10,000	\$30,000
CIHR	Frederick Banting and Charles Best Canada Graduate Scholarships Doctoral Award - The risk of multiple sclerosis among users of tumor necrosis factor inhibitors: A Canadian population-based study	Li L	Aviña-Zubieta JA	May 20 - Apr 23	\$35,000	\$105,000
The Arthritis Society	The risk of multiple sclerosis among users of tumor necrosis factor alpha: A Canadian population-based study	Li L	Aviña-Zubieta JA	Sep 20 - Aug 23	\$21,000	\$63,000
CIHR	Health System Impact Postdoctoral Fellowship - Identifying service gaps between primary and specialty care for patients with rheumatoid arthritis - improving access to care	Liu X	Marshall D	Sep 21 - Aug 23	\$77,500	\$155,000
UBC	University of British Columbia 4-year Fellowship	Losciale, J	Whittaker J	Jul 22 - Jun 26	\$18,200	\$72,800
	PhD Salary Award for The Stop OsteoARthritis (SOAR) Proof-of-Concept Delayed Control Randomized Trial: Can We Mitigate A Key Risk Factor for Osteoarthritis following Sport-related Knee Trauma?"	Losciale, J	Whittaker J	Sep 21 - Aug 25	\$10,500	\$31,500

The Arthritis Society	PhD Salary Award - Informing public funding decisions for an exercise and education program for osteoarthritis	Mazzei D	Marshall D	Jun 20 - May 23	\$21,000	\$63,000
U of Calgary	Cumming School of Medicine Graduate Scholarship	Mazzei D	Marshall D	Jun 19 - May 23	\$30,000	\$120,000
CIHR	Health Impact Fellowship - Developing a business case for equitable access to first-line osteoarthritis therapies in Alberta	Mazzei D	Marshall D	Sep 31 - Aug 22	\$35,000	\$35,000
MITACS	Data linkage and Artificial Intelligence approaches to improving rheumatoid arthritis data quality and case detection using health administrative data and primary care data in Alberta, Canada	Pham A	Jones CA	Feb 22 - Feb 24	\$60,000	\$120,000
Michael Smith Health Research BC Research	Trainee Award - Exploring the Lived Experiences of Sexual and Gender Minority Populations Living with Arthritis: A Patient Engagement Centered Approach	Primeau C	Li L	Apr 23 - Mar 26	\$49,500	\$148,500
The Arthritis Society	Postdoctoral Research Fellowship award - Exploring the Lived Experiences of Sexual and Gender Minority Populations Living with Arthritis: A Patient Engagement Centered Approach	Primeau C	Li L	Oct 23 - Sep 26	\$50,000	\$150,000

CIHR	Postdoctoral Research fellowship - Prouricemic diets, microbial composition and functional potential, and plasma uric acid	Rai S	Choi H	Oct 22 - Sep 25	\$50,000	\$150,000
UBC	School of Graduate and Postdoctoral Studies Friedman Award	Rebic N	De Vera M	Oct 22 - Sep 23	\$37,500	\$37,500
CIHR	Doctoral Research Award: Canada Graduate Scholarships - Cost and burden of medication non-adherence according to prescribed drug spending and medication use rates (COMPUTE)	Rebic N	De Vera M	Sep 20 - Aug 23	\$35,000	\$105,000
CIHR	Graduate Scholarships Master's Award - Reducing avoidable acute care use by patients with Inflammatory Arthritis conditions: Identifying root causes of hospitalizations.	Shaw F	Barnabe C	Apr 23 - May 24	\$17,500	\$17,500
CIHR	Doctoral Research Award - Optimizing medication and vaccination adherence in rheumatoid arthritis in the COVID-19 era: Development of a patient-centred intervention	Ta V	Bartlett S	Jun 23 - May 26	\$35,000	\$105,000

The Arthritis Society	PhD Salary Award - Differences in health for patients with inflammatory arthritis: Are they preventable?	Thomas M	De Vera M	Oct 21 - Sep 22	\$10,500	\$31,500
UBC	Killam Doctoral Scholarship	Thomas M	De Vera M	Apr 22 - Mar 24	\$32,000	\$64,000
The Arthritis Society	PhD Salary award - Moving towards the personalization of treatment choices in rheumatoid arthritis: Combining clinical modelling strategies to personalize risk estimates	Thomas-Purdue J	Hazlewood G	Oct 23 - Sep 26	\$17,500	\$52,500
UBC	4-Year Fellowship Award - The role of psychological, social, and contextual factors in recovery and return to sport after a sport-related knee injury	Truong L	Whittaker J	Sep 20 - Aug 24	\$72,000	\$288,000
CIHR	Fellowship Award - Reducing the risk of osteoarthritis after a sport knee injury: Proof-of Concept of the SOAR (Stop OsteoARthritis) program	Truong L	Whittaker J	Jun 21 - May 24	\$55,000	\$165,000
CIHR	Doctoral Research Award - Access to outpatient physiotherapy in British Columbia following anterior cruciate ligament injury	Worthington H	Li L	Apr 23 - Mar 25	\$35,000	\$105,000
CIHR	Canada Graduate Scholarship award for her project "A Better Match: Transforming rheumatoid arthritis care using text-based messaging	Zafar S	Barber C & Hazlewood G	Apr 22 - Mar 24	\$17,500	\$17,500
Annual Total 2022-2023					\$900,320	

Appendix II – Publications & Abstracts, July 1, 2022 – June 30, 2023

Names in bold indicate Arthritis Research Canada/Arthrite-recherche Canada Scientists, trainees and Patient Advisory Board Members

PUBLICATIONS

1. **Abrahamowicz M**, Abrahamowicz MI, Lipsky PE. External validation of the lupus multivariable outcome score for systemic lupus erythematosus trials. *ACR Open Rheumatol.* 2022 Oct;4(10):923-930. doi: 10.1002/acr2.11451. Epub 2022 Aug 12.
2. **Abrahamowicz M**. Clinical biostatistics in the 2020s. *Biom J.* 2022 Dec;64(8):1371-1373. doi: 10.1002/bimj.202200303.
3. Agbani EO, Mahe M, Chaturvedi, S Yamaura L, Schneider P, **Barber MRW**, **Choi M**, Lee A, Skeith L. Platelets and neutrophils co-drive procoagulant potential in secondary antiphospholipid syndrome during pregnancy. 2022 Dec;220:141-144. doi: 10.1016/j.thromres.2022.10.018. Epub 2022 Nov 3.
4. Almeida-Brasil CC, Hanly JG, Urowitz M, **Clarke AE**, Ruiz-Irastorza G, Gordon C, Ramsey-Goldman R, Petri MA, Ginzler EM, Wallace DJ, Bae SC, Romero-Diaz J, Dooley MA, Peschken C, Isenberg D, Rahman A, Manzi S, Jacobsen S, Lim SS, van Vollenhoven R, Nived O, Jönsen A, Kamen DL, Aranow C, Sánchez-Guerrero J, Gladman DD, **Fortin PR**, Alarcon GS, Merrill JT, Kalunian K, Ramos-Casals M, Steinsson K, Zoma A, Askanase AD, Khamashta M, Bruce IN, Inanc M, Lukusa L, Bernatsky S. Retinal toxicity in a multinational inception cohort of patients with systemic lupus on hydroxychloroquine. *Lupus Sci Med.* 2022 Nov;9(1):e000789. doi: 10.1136/lupus-2022-000789.
5. Amlani A, **Choi MY**, Buhler KA, **Hudson M**, Tarnopolsky M, Brady L, Schmelting H, Swain MG, Stingl C, Reed A, Fritzler MJ. Anti-Valosin-Containing Protein (VCP/p97) Autoantibodies in Inclusion Body Myositis and Other Inflammatory Myopathies. *ACR Open Rheumatol.* 2023 Jan;5(1):10-14. doi: 10.1002/acr2.11510. Online ahead of print.
6. **Bansback N**, Trenaman L, MacDonald K, Durand D, Hawker G, Johnson J, Smith C, Stacey D, **Marshall D**. An online individualised patient decision aid improves the quality of decisions in patients considering total knee arthroplasty in routine care: A randomized controlled trial. *Osteoarthr Cartil Open.* September 2022;4(3):100286. <https://doi.org/10.1016/j.ocarto.2022.100286>
7. **Barber CEH**, Bartels CM. Making Sense of Multimorbidity in Rheumatoid Arthritis. *Arthritis Care Res (Hoboken).* 2023 Feb;75(2):207-209. doi: 10.1002/acr.24986. Epub 2022 Sep 20.
8. **Barber CEH** **Lacaille D**, Croxford R, **Barnabe C**, **Marshall DA**, **Abrahamowicz M**, **Xie H**, **Aviña-Zubieta JA**, **Esdaile JM**, **Hazlewood GS**, Faris P, Katz S, MacMullan P, Mosher D, Widdifield J. Investigating Associations Between Access to

- Rheumatology Care, Treatment, Continuous Care and Healthcare Utilization and Costs Among Older Individuals with RA. *J Rheumatol*. 2023 Jan 15. Online ahead of print.
9. **Barber CEH, Lacaille D, Croxford R, Barnabe C, Marshall DA, Abrahamowicz M, Xie H, Avina-Zubieta JA, Esdaile JM, Hazlewood G**, Faris P, Katz S, MacMullan P, Mosher D, Widdifield J. System-level performance measures of access to rheumatology care: a population-based retrospective study of trends over time and the impact of regional rheumatologist supply in Ontario, Canada, 2002-2019. *BMC Rheumatol*. 2022 Dec 27;6(1):86.
 10. **Barber MRW, Clarke AE**, Adams CD, Skeith L. Severe thrombotic complications secondary to antiphospholipid syndrome and undiagnosed systemic lupus erythematosus. 2022. *CMAJ*. 194 (36) E1243-E1247; DOI: <https://doi.org/10.1503/cmaj.220491>
 11. **Barber MRW**, Falasinnu T, Ramsey-Goldman R, **Clarke AE**. The global epidemiology of SLE: narrowing the knowledge gaps. *Rheumatology (Oxford)*. 2023 Mar 29;62(Suppl 1):i4-i9. A special supplemental edition of the Journal titled "Health Inequalities and Systemic Lupus Erythematosus: A Global Challenge 2022-03".
 12. Baron M, Barbacki A, Man A, de Vries-Bouwstra JK, Johnson D, Stevens W, Osman M, Wang M, Zhang Y, Sahhar J, Ngian GS, Proudman S, Nikpour M; Australian Scleroderma Interest Group; Canadian Scleroderma Research Group (incl **Fortin P**). Prediction of Damage Trajectories in Systemic Sclerosis Using Group-Based Trajectory Modeling. *Rheumatology (Oxford)*. 2023 Jan 10:kead002. doi: 10.1093/rheumatology/kead002. Epub ahead of print.
 13. Barraclough M, Erdman L, Diaz-Martinez JP, Knight A, Bingham K, Su J, Kakvan M, Muñoz Grajales C, Tartaglia MC, Ruttan L, Wither J, **Choi MY**, Bonilla D, Appenzeller S, Parker B, Goldenberg A, Katz P, Beaton D, Green R, Bruce IN, Touma Z. Systemic lupus erythematosus phenotypes formed from machine learning with a specific focus on cognitive impairment. *Rheumatology (Oxford)*. 2022 Nov 17:keac653. doi: 10.1093/rheumatology/keac653. Online ahead of print.
 14. Bartels CM, Jorge A, Feldman C, Zell J, Bermas B, **Barber CEH**, Duarte-Garcia A, Garg S, Hasely L, Jatwani S, Johansson T, Limanni A, Rodgers W, Rovin B, Santiago-Casas Y, Suter L, Barnado A, Ude J, Aguirre A, Li J, Schmajuk G, Yazdany. Development of American College of Rheumatology Quality Measures for Systemic Lupus Erythematosus. *Arthritis Care & Research*. May 2023. DOI: 10.1002/acr.25143.
 15. Becker YLC, Duvvuri B, **Fortin PR**, Lood C, Boilard E. The role of mitochondria in rheumatic diseases. *Nat Rev Rheumatol*. 2022 Nov;18(11):621-640. doi: 10.1038/s41584-022-00834-z. Epub 2022 Sep 29.
 16. Berard R, Ng HY, Human A, Piskin D, Dhalla M, Gottlieb C, Batthish M, Chédeville G, Forest C, Fortin E, Gardiner J, Gerhold K, Jastrzebski A, Lang B, Miettunen PMH, Morgenstern S, Morin MP, Rosenberg A, Rumsey DG, Solarte CE, Tehrani N,

- Watanabe Duffy K, Pardo Pardo J, **Hazlewood GS**, Levy DM. Canadian Rheumatology Association Recommendations for the Screening, Monitoring, and Treatment of Juvenile Idiopathic Arthritis-associated Uveitis. *J Rheumatol*. 2022 Oct 15;jrheum.220261. doi: 10.3899/jrheum.220261. Online ahead of print.
17. Bhangu G, Hartfeld N, **Lacaille D, Lopatina E, Hoens A, Barber M**, Then K, **Zafar S**, Fifi-Mah AV, **Hazlewood G, Barber CEH**. A scoping review of shared care models for rheumatoid arthritis with patient-initiated follow-up. *Seminars in Arthritis and Rheumatism*. 2023 Mar 11;60:152190. doi: 10.1016/j.semarthrit.2023.152190. Online ahead of print.
 18. Bhuiya AR, Makarski J, Hayden L, Perrier L, Munce S, Lewis I, Graham ID, Holroyd-Leduc J, Straus SE, Stelfox HT, Strifler L, Lokker C, **Li LC**, Leung FH, Dobbins M, Ritchie LMP, Squires J, Rac V, Fahim C, Kastner M. Identifying candidate quality indicators of tools that support the practice of knowledge translation: a scoping review protocol. *JBI Evid Synth*. 2022 Sep 19. doi: 10.11124/JBIES-22-00055. Online ahead of print.
 19. Bruder AM, Culvenor AG, King MG, Haberfield MJ, Roughead EA, Mastwyk J, Kemp JL, Pazzinatto M, West TJ, Coburn SL, Cowan SM, Ezzat AM, To LK, Chilman K, **Couch J, Whittaker JL**, Crossley KM. It's time to get serious about sex/gender disparity after anterior cruciate ligament injury. A systematic review and meta-analysis of sex/gender-specific self-reported activity and knee-specific outcomes. *British Journal of Sports Medicine* 2023 Online first.
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 21. Bunka M, Ghanbarian S, Riches L, Landry G, Edwards L, **Hoens AM**, Bryan S. Collaborating with patient partners to model clinical care pathways in major depressive disorder: The benefits of mixing evidence and lived experience. *Pharmacoeconomics*. 2022 Oct;40(10):971-977. doi: 10.1007/s40273-022-01175-1. Epub 2022 Jul 25.
 22. Cardwell FS, Elliott SJ, Chin R, St Pierre Y, **Choi MY**, Urowitz MB, Ruiz-Irastorza G, Bernatsky S, Wallace DJ, Petri MA, Manzi S, Bae SC, Shin JM, Mak A, Cho J, Peschken CA, Ramsey-Goldman R, **Fortin PR**, Hanly JG, Pons-Estel BA, Nieto R, Askanase AD, Romero-Diaz J, Mosca M, Bruce IN, Rowbottom L, Mielczarek L, Tse K, Marion A, Cáhiz-González JC, Cattoni TG, Cornet A, **Clarke AE**. Health information use by patients with systemic lupus erythematosus (SLE) pre and during the COVID-19 pandemic. *Lupus Sci Med*. 2022 Oct;9(1):e000755. doi: 10.1136/lupus-2022-000755.

23. Chan A, **Hoens AM**, Singh CA, Elashi M, Gerevas K, Idle M, Lundie ., Urbina M, Pace A, **Ma JK**. Current practice and barriers to physiotherapists' use of resistance exercise for older adults in acute care. *Physiotherapy Canada*.2022;74(4):363–369. <https://doi.org/10.3138/ptc-2020-0123>
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