

The 5th Annual Canadian Arthritis Research Conference

Schedule of Events

2024 Canadian Arthritis Research Conference Research Presentation Days

Register for Day 1: https://zoom.us/webinar/register/WN_thXanzLsQS-4UUU0YHAcQ#/registration

Day 1 Schedule: March 18, 2024

Time (EDT)	Speaker Name	Institution / Affiliated Organization	Title of Presentation
12:00	Introduction / Welcoming Remarks		
12:10	Fataneh Tavasolian	Schroeder Arthritis Institute	Proteomic and genomic profiling of plasma exosomes from patients with ankylosing spondylitis
12:20	Roselyn Jiang	McGill University	Assessing the role of trained immunity in rheumatoid arthritis and its associated interstitial lung disease
12:30	Atoosa Ziyaeyan	University of Toronto	Investigating the interplay between gut microbiome, immune cells, and osteoarthritis (OA)
12:40	Chantelle Lin	University of Toronto	Higher Fracture Probability is Only Protective Against Bone Marrow Lesions Among Overweight Individuals with Knee Osteoarthritis
12:50	Addison Pacheco	University of Toronto	Reduced Frequency of Effector RORγt+ Regulatory T cells during Joint Inflammation in Axial Spondyloarthritis
13:00	Jingyi Huang	Memorial University of Newfoundland	Gut microbiomic analysis of sustained knee pain in knee osteoarthritis patients
13:10	Jingyi Huang	Memorial University of Newfoundland	Multi-omics integrative analyses identified two endotypes of hip osteoarthritis
13:20	Jingyi Huang	Memorial University of Newfoundland	Transcriptomic analysis of cartilage in hip osteoarthritis
13:30	Break		
13:40	Farbod Moghaddam	University of Calgary	Sporadic Inclusion Body Myositis Novel Autoantibody and Biomarker Research Utilizing Proteome Microarray and Mass Spectrometry Proteomics Analysis
13:50	Abdulrahman Y Almansouri	King Faisal Specialist Hospital & Research Center	Factors Associated with Ankylosing Spondylitis Disease Activity Score and Assessment of Spondyloarthritis International Society-Health Index Remission in a Cohort of Saudi Patients with Longstanding Axial Spondyloarthritis

Time (EDT)	Speaker Name	Institution / Affiliated Organization	Title of Presentation
14:00	Sharon Iziduh	Toronto General Hospital Research Institute	Exploring how to improve OA care: Interviews with diverse women and healthcare professionals
14:10	Teodora Tockovska	Schroeder Arthritis Research Institute	Spatial transcriptomics of joint space-interfacing tissues using a pre-clinical mouse model of osteoarthritis
14:20	Kabriya Thavaratna	University of Toronto	An atlas of the synovium in knee osteoarthritis: Fibroblast activation defines disease progression
14:30	Ermina Hadzic	Western University	Investigating the use of Intra-Articular Injections of GSK3787 for Osteoarthritis
14:40	Laëtitia Michou	CHU de Québec- Université Laval	A novel genetic factor in rheumatoid arthritis, SUPT20H, is downregulated during macrophage differentiation and osteoclastogenesis
14:50	Hayley Peters	Schroeder Arthritis Institute	Cell and Transcriptomic Atlas of the Infrapatellar Fat Pad from Patients with Knee OA
15:00	Melissa Cavallo	University Health Network	Insomnia symptoms among individuals with osteoarthritis and with symptoms indicative of osteoarthritis: A population-based study
15:10	Closing Remarks		

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Register for Day 2:

https://zoom.us/webinar/register/WN_rjpkilQwCh3ar98FUEqQ#/registration

Day 2 Schedule: March 25, 2024

Time (EDT)	Speaker Name	Institution / Affiliated Organization	Title of Presentation
12:00	Introduction / Welcoming Remarks		
12:10	Y. Raja Rampersaud	Schroeder Arthritis Institute	A comparison of surgical outcome and equitable access for hip, knee and lumbar spine surgery for endstage osteoarthritis.
12:20	Amit Sandhu	Schroeder Arthritis Institute	Early MicroRNA and Metabolite Changes Post-ACL Reconstruction: Molecular Insights
12:30	Carson Halliwell	Dalhousie University	The Association of Gait Symmetry with Biomechanical and Clinical Outcomes in Individuals with Knee Osteoarthritis
12:40	Dennis Lam	University of Toronto	Factors associated with delay in diagnosis in axial spondyloarthritis
12:50	Eileen Davidson	Rheumatoid Arthritis Patient Advocate	What You Can't Get From A Doctor - Exploring the Benefits of Support Groups for Adults with Arthritis
13:00	Emily Ha	University of Toronto	Lower estradiol concentrations are associated with knee-specific pain in postmenopausal women
13:10	Evelyne Gendron	University of Toronto	The Effect of Alcohol Consumption on Clinical Outcomes and Structural Damage in Patients with axial Spondyloarthritis: A Systematic Literature Review and Meta-analysis
13:20	Franka Hicksch	Schroeder Arthritis Institute	Elucidating the molecular mechanisms associated with secondary arthrofibrosis of the shoulder
13:30	Heba Aref	University of Alberta	Development and Evaluation of Decision Tools for Patients with Arthritis: A Scoping Review Conducted to Develop an Evidence-Based Cannabis Decision Tool
13:40	Melissa O'Brien	Dalhousie University	Reduction in rat osteoarthritis pain by green light therapy
13:50	Break		

Time (EDT)	Speaker Name	Institution / Affiliated Organization	Title of Presentation
14:00	Jessica Wilfong	Schroeder Arthritis Institute	Old before their time? The impact of osteoarthritis on younger adults
14:10	Kristine Godziuk	University of Alberta	Addressing BMI-related access disparities in joint arthroplasty through co-design: the ACCESS-OA working group
14:20	Lauren Banh	University Health Network	Developing an arthritic cartilage and vascularized synovium model for drug screening purposes
14:30	Laurie Proulx	Canadian Early Arthritis Cohort	Getting research into the hands of people living with rheumatoid arthritis: A novel approach from the Canadian Early Arthritis Cohort (CATCH)
14:40	Wils Nielsen	University of Toronto	Generation of Candidate Domains for the OMERACT Systemic Lupus Erythematosus Core Outcome Set
14:50	Seng Manivong	CHU Sainte-Justine Research Center	Nanogels for the delivery of antagonist peptides of ETA and BKb1 receptors for OA treatment
15:00	Vanessa Cook	Lady Davis Institute for Medical Research	Researcher and Patient Experiences of Co-presenting Research to People Living with Systemic Sclerosis at a Patient Conference: A Qualitative Interview Study
15:10	Closing remarks		

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Register for Day 3:

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Day 3 Schedule: April 2, 2024

Time (EDT)	Speaker Name	Institution / Affiliated Organization	Title of Presentation
12:00	Introduction		
12:10	Antonella Scali & Catherine Stratton	Canadian Psoriasis Network	Overburdened: A Report on the Burden of Psoriatic Disease in Canada
12:20	Archita Srinath	University Health Network/University of Toronto	The Role of the Deubiquitinase ZRANB1/TRABID in Inflammation and Bone Formation in Axial Spondyloarthritis
12:30	Brad Gardea	University Health Network	Maximizing quality and overcoming challenges of 2-dimensional versus 3-dimensional deep learning model predictions for fully-automated thigh muscle segmentation
12:40	Darshana Seeburruth	University of Toronto	Work Productivity and its Relationship to Clinical Features of Psoriatic Arthritis
12:50	Jeffrey Hutchinson	Western University	Investigating the role of sex hormones in the intervertebral disc
13:00	Lamia Khan	University of Alberta	Impaired DNA repair response activates a novel FOXO1-dependent metabolic remodelling in patients with progressive systemic sclerosis
13:10	Maria Fernandes	Laval University	The discovery of a novel autoantigen in rheumatoid arthritis.
13:20	Motahareh Karimijashni	University of Ottawa	Which functional activities matter most to the patients after hip or knee arthroplasty due to osteoarthritis?
13:30	Nathan Neeteson	University of Calgary	Deep learning and atlas-based segmentation automates quantitative analysis of bone quality in knee HR-pQCT
13:40	Reshani Abayasekara	University of Toronto	A data-driven approach to understanding physical activity levels and their association with osteoarthritis
13:50	Nejat Hassen	Arthritis Research Canada	Determinants of health-related quality of life in adults living with rheumatoid arthritis: a systematic review
14:00	Break		

Time (EDT)	Speaker Name	Institution / Affiliated Organization	Title of Presentation
14:10	Samantha Gross	University of Saskatchewan	Improving Musculoskeletal Care Service Delivery in Remote First Nations Communities Through Evaluation of Community Needs and Preferences
14:20	Sarah Costa	University Health Network	Knee osteoarthritis patients' weaker participation in sports and recreational activities is impacted by thigh fat distribution
14:30	Sarah Costa	University Health Network	An analysis workflow for segmentation and correction of thigh muscle fat streaks within T1-weighted MRI scans
14:40	Shaghayegh Foroozan Boroojeni	University Health Network	Macrophage migration inhibitory factor may help maintain tight junctions in the gut by enhancing occludin expression
14:50	Emily Collett	Schroeder Arthritis Institute	Multijoint involvement in patients undergoing joint arthroplasty for osteoarthritis is associated with increased risk of infection-related intra/post-operative adverse events
15:00	YV Raghava Neelapala	McMaster University	Latent Transition Analysis of Pain Phenotypes in People at Risk of Knee Osteoarthritis
15:10	Elsa-Lynn Nassar	McGill University	Telehealth Experiences during COVID-19 and Post-COVID-19 Preferences: A Cross-sectional Study from the Scleroderma Patient-centered Intervention Network (SPIN) COVID-19 Cohort
15:20	Zackary Willson	University Health Network	A Double Threat of Osteoporosis and Osteoarthritis on Higher Hip Bone Metabolism
15:30	Closing Remarks		