CIHR IRSC Institute of Musculoskeletal Health and Arthritis | Institut de l'appareil locomoteur et de l'arthrite

CRA SCR Canadian Rheumatology Association | Société Canadienne de Rhumatologie

Société Arthrite Arthritis Society

Original Research Presentation Day Schedule

In conjunction with the Canadian Arthritis Research Conference

February 5, 2021, 11:30 AM-4:40 PM EST

11:30-11:40	Dr. Karim Khan	Opening & Introduction
11:40-11:50	Akihiro Nakamura	Macrophage migration inhibitory factor is necessary and sufficient for the immunopathology of Spondyloarthritis
11:50-12:00	Salem Werdyani	Metabolomic Signatures For The Longitudinal Reduction Of Muscle Strength Over 10 Years
12:00-12:10	Kristine Godziuk	Patient-perspectives to inform the development of the POMELO (Prevention Of Muscle Loss in Osteoarthritis) pilot intervention trial
12:10-12:20	Christie Costello	Individual Participant Data Meta-Analysis of Metabolomics on Refractory Knee Pain in Primary Osteoarthritis Patients
12:20-12:30	Chakib Hamoudi	The purinergic receptor P2X4 promotes Th17 development and its inhibition reduced the severity of arthritis.
12:30-12:40	Etienne Dore	An endogenous enzyme promotes arthritis severity through the intestinal flora
12:40-12:50	Shawn Robbins	Muscle Activation and Knee Moments during Gait Predict Cartilage Volume Loss in Patients with Non-Traumatic and Post-Traumatic Knee Osteoarthritis
12:50-1:00	Samaneh Mehri	HLA Blockers for potentially treating Rheumatoid arthritis
1:00-1:10	**BREAK**	
1:10-1:20	Allison Ezzat	Is previous ACLR, physical activity, or BMI associated with increased odds of recurrent or new knee injury in a cohort of young females?
1:20-1:30	Ghazzleh Tavallaee	MicroRNA-27b-3p is involved in the regulation of synovial extracellular matrix and fibrosis in osteoarthritis
1:30-1:40	Christina Le	What does the future hold? Health-related quality of life 3-12 years following a youth sport-related knee injury

1:40-1:50	Hamed Alizadeh Sardroud	Study of hyaline cartilage formation in 3D-bioprinted hybrid and hydrogel constructs implanted in pig joints
1:50-2:00	Matei Gardea	Fully-Automated Bone Marrow Lesion Segmentation Using a UNET-Based Convolutional Neural Network Architecture
2:00-2:20	**BREAK**	
2:20-2:30	Nima Yazdankhah	The association between infrapatellar fat pad volume and knee pain scores in non-overweight postmenopausal women
2:30-2:40	Seng Manivong	Chitosan-based nanogel synthesis and investigation of their biocompatibility: a safe nanoplatorm for future osteoarthritic joint treatment
2:40-2:50	Abdellatif Elseoudi	Role of Prohibitin (PHB1) and SUMOylation in Primary Osteoarthritis
2:50-3:00	Kelsey H. Collins	Fat Talks to Cartilage
3:00-3:10	Vahid Anwari	The association between knee pain and perfusion kinetics at the knee joint in non-overweight postmenopausal women
3:10-3:20	Maria Fernandes	Expression of the Myeloid Inhibitory Receptor CLEC12A Correlates with Disease Activity and Cytokines in Early Rheumatoid Arthritis
3:20-3:30	Naym Uddin Roby	Validity of the Central Sensitization Inventory through Rasch analysis in patients with Knee OA
3:30-3:40	Mable Wing Yan Chan	Differential effects between pro-inflammatory versus pro-resolving monocytes/macrophages within a human osteoarthritic joint explant cartilage-synovium environment
3:40-3:50	Pavlos Bobos	Effectiveness and safety of non-steroidal anti-inflammatory drugs and opioid therapy for the treatment of knee and hip osteoarthritis: a network meta-analysis
3:50-4:00	Nedaa Aljezani	Common MSCs cell surface markers are insufficient to isolate only cells with the ability to affect cartilage repair

4:00-4:10	Carly Jones	dGEMRIC T1 is Reduced in Cartilage Overlying Bone Marrow Lesions in the Hip
4:10-4:20	Karine Toupin April & Laurie Proulx	Development and preliminary acceptability and usability of the JIA Option Map, a Web-based Patient Decision Aid for Pain Management in Juvenile Idiopathic Arthritis
4:20-4:30	Juan Manuel Colazo	Bioengineered siRNA Delivery Platforms Provide Prolonged MMP13 Silencing for the Prevention and Treatment of Post-Traumatic Osteoarthritis (PTOA)
4:30-4:40	Dr. Karim Khan	Closing Remarks