



# 2024 Registration Brochure

**BREAKING BARRIERS**  
THROUGH MULTI-DISCIPLINARY RESEARCH

# OARSI 2024

WORLD CONGRESS ON OSTEOARTHRITIS

**VIENNA, AUSTRIA, APRIL 18-21, 2024**  
MESSE WIEN EXHIBITION & CONGRESS CENTER





# WELCOME

Dear Colleagues,

We are pleased to welcome you to the 2024 Osteoarthritis Research Society International (OARSI) World Congress entitled Breaking Barriers Through Multi-Disciplinary Research on April 18-21, 2024 in Vienna, Austria.

The annual OARSI Congress is the pre-eminent global forum for all those interested in cutting-edge OA research from academia and industry worldwide.

The theme of this year focuses on the multi-disciplinary approach underlining the synergy between all those who are interested and involved in arthritis research.

Such an approach is reflected by the wide attendance of the OARSI meeting that includes notably basic and clinical research scientists, rheumatologists, orthopedic surgeons, radiologists, physiatrists, physical therapists, bioengineers, pain specialists and other healthcare professionals, regulators, and policymakers.

Join us in this exciting meeting to connect to this global network of professionals, with common goals of preventing, managing, and curing the disease, improving the quality of lives of over 300 million OA patients worldwide!

We look forward to meeting you in person and learning from one another during OARSI 2024 in the beautiful city of Vienna!



Gun-il Im, MD, PhD  
*President*



Jérémie Sellam, MD, PhD  
*2024 Congress Chair*



Mona Dvir-Ginzberg, PhD  
*2024 Abstract Chair*

## OARSI BOARD OF DIRECTORS

### President

Gun-il Im, MD, PhD  
Republic of Korea

### President Elect

Martin Englund, MD, PhD  
Sweden

### Secretary

Ida K. Haugen, MD, PhD  
Norway

### Treasurer

Nancy E. Lane, MD  
USA

### Past President

Ali Mobasher, DPhil (Oxon)  
Finland

## MEMBERS AT LARGE

Flavia Cicuttini, PhD  
Australia

Magali Cucchiari, PhD  
Germany

Siddharth Das, MD  
India

Mohit Kapoor, MD, PhD  
Canada

Rik Lories, MD, PhD  
Belgium

Elena Losina, PhD  
USA

Amanda Nelson, MD  
USA

Cristina Ruiz-Romero, PhD  
Spain

Martin van der Esch, PhD  
Netherlands

Chunyi Wen, PhD  
China

**Early Career Investigator Co-Chair**  
Jesse Charlton, PhD  
Canada

**Early Career Investigator Co-Chair**  
Armaghan Mahmoudian, PT, MPT, PhD  
USA

**Co-Editor-in-Chief OAC**  
David Hunter, PhD  
Australia

**Co-Editor-in-Chief OAC**  
Anne-Marie Malfait, MD, PhD  
USA

**Editor-in-Chief OAC Open**  
Henning Madry, MD  
Germany

## 2024 OARSI WORLD CONGRESS PROGRAM PLANNING COMMITTEE

### Program Chair

Jérémie Sellam, MD, PhD  
France

### Abstract Chair

Mona Dvir-Ginzberg, PhD  
Israel

### Board Liaison

Mohit Kapoor, MD, PhD  
Canada

Seungwoo Han, MD, PhD  
Republic of Korea

Marie Binignat, MD  
France

Catherine Le Visage, PhD  
France

Matlock Jeffries, MD  
USA

Larry W. Moreland, MD  
USA

Raghunatha Yammani, PhD  
USA

Hongwei Ouyang, MD, PhD  
China

Indira Prasad, PhD  
Australia

Frank Roemer, MD  
Germany

Thomas Hügle, MD, PhD  
Switzerland

Michelle Hall, PhD  
Australia

Jessica Bertrand, PhD  
Germany

## OARSI HEADQUARTERS

1120 RT 73, Suite 200  
Mt. Laurel, NJ 08054, USA  
E-mail: [info@oarsi.org](mailto:info@oarsi.org)  
Ph: 856-642-4215  
Fax: 856-439-0525

## OARSI CONGRESS STAFF

**Elizabeth Grotos, CAE**  
Executive Director

**Shannon C. Fagan, CMP, HMCC**  
Senior Meeting & Exhibit Manager

**Summer Culkin**  
Meeting/Member Coordinator

**Dana Groves**  
Sales & Sponsorship

# LOCATION

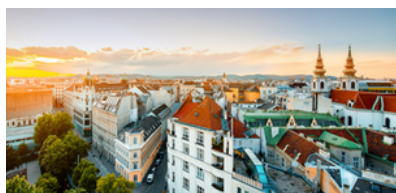
## CONGRESS LOCATION

### Messe Wien Exhibition & Congress Center

RX Wien GmbH

Messeplatz 1, Postfach 277

A-1021 Wien



**Messe Wien Exhibition & Congress Center** is centrally located, yet close to Vienna's famous Prater park and around the corner from the campus of the new Vienna University of Economics and Business, the Sigmund Freud Private University and the modern, green "Viertel Zwei" business and residential area.

## EXPERIENCE VIENNA

The Osteoarthritis Research Society International (OARSI) welcomes you to Vienna, Austria, the capital city of Austria!

Vienna has been consistently voted one of the world's most livable cities in recent years, with sustainability and safety going a long way to secure its status year after year. So it really comes as no surprise to discover that the city also regularly tops rankings of the world's best conference and event destinations.

## GETTING AROUND

The Vienna International Airport is only 20 minutes away from the Messe Wien Exhibition & Congress Center by taxi. The airport bus also takes you to Messe Wien (Foyer D) in 30 minutes.

Two underground stations are located a stone's throw away from the venue's main entrances.

- U2: Messe-Prater
- U2: Krieau

For anyone who travels to the venue by car, there are more than 4,000 parking spaces available in the immediate vicinity.

# HOUSING

## OFFICIAL HOTEL RESERVATION COMPANY

OARSI has partnered with Kuoni Tumlare as the official OARSI 2024 Hotel Reservation Company. OARSI has negotiated hotel rooms at a discounted rate that are available through the online reservation system. Rooms are limited and available on a first-come, first-served basis.

## BENEFITS OF BOOKING IN THE OARSI HOTEL ROOM BLOCK

- Official block hotels have been researched by OARSI to ensure they meet our standards.
- Assistance is available in advance and on-site for problems with OARSI official block hotels.
- It saves money. Rates and terms are guaranteed.

## BEWARE OF UNAUTHORIZED HOTEL SOLICITATIONS

Kuoni Tumlare is the only official hotel reservation company associated with OARSI 2024. While other hotel resellers may contact you offering hotel for your trip, they are not endorsed by or affiliated with the show. Beware that entering into financial agreements with non-endorsed companies can have costly consequences.

## OARSI OFFICIAL HOTELS & RATES

To secure these rates, you must book hotel through the Kuoni Tumlare reservation link on [congress.oarsi.org](https://congress.oarsi.org).

Below rates are based on a 4 night minimum stay of Wednesday, April 17, 2024 - Sunday, April 21, 2024. These hotels are within walking distance.

<b>Courtyard Vienna Prater / Messe</b> <b>Headquarter Hotel (HQ)</b> <b>4 Star</b>	5 Minute Walk to Congress Venue	€ 255 Euro per night
Bassena Wien Messe Prater <i>Exclusive Hotel</i> <b>4 Star</b>	4 Minute Walk to Congress Venue	€ 140 Euro per night
Motel One Prater <i>Exclusive Hotel</i> <b>3 Star</b>	6 Minute Walk to Congress Venue	€ 139 Euro per night

# REGISTRATION RATES & REQUIREMENTS

## ASSOCIATE/EMERITUS

Resident, fellow, post doc, research assistant, or individuals retired from the field. Verification from supervisor is required if still actively in the field.

## REGULAR MEMBER

Health professional or researcher from a broad range of disciplines.

## STUDENT MEMBER

Student enrolled full time or part-time in undergraduate or graduate program. Must send a letter from department chair on university stationary stating enrollment status.

REGISTRATION TYPE FULL CONGRESS REGISTRATION	EARLY BIRD REGISTRATION	AFTER MARCH 20, 2024
REGULAR MEMBER	\$780	\$880
RENEWING REGULAR MEMBER <small>INCLUDES MEMBERSHIP</small>	\$1,030	\$1,130
REGULAR NON-MEMBER <small>INCLUDES MEMBERSHIP</small>	\$1,105	\$1,205
STUDENT MEMBER	\$185	\$285
RENEWING STUDENT MEMBER <small>INCLUDES MEMBERSHIP</small>	\$260	\$360
STUDENT NON-MEMBER <small>INCLUDES MEMBERSHIP</small>	\$305	\$405
ASSOCIATE/EMERITUS MEMBER	\$370	\$470
RENEWING ASSOCIATE/EMERITUS MEMBER <small>INCLUDES MEMBERSHIP</small>	\$520	\$620
ASSOCIATE/EMERITUS NON-MEMBER <small>INCLUDES MEMBERSHIP</small>	\$580	\$680

## CURRENT MEMBER RATES

Rates applicable to individuals who are current members of OARSI, having renewed dues for 2024 membership prior to 12/31/2023.

## RENEWING MEMBER RATES

Rates applicable to individuals who were members in 2023 but did not renew dues prior to the end of 2023. Provides member rate to Congress as well as membership dues for 2024.

REGISTRATION TYPE ADDITIONAL EVENTS	REGISTRATION FEE
SINGLE DAY REGULAR	\$360
SINGLE DAY ASSOCIATE/EMERITUS	\$180
TWO DAY REGULAR	\$720
TWO DAY ASSOCIATE/EMERITUS	\$360
BREAKFAST WORKSHOPS	\$30
POSTER TOURS	\$30
OFFSITE DINNER EVENT	\$95/*\$75 <small>*ECI MEMBER PRICE ONLY</small>



# TICKETED REGISTRATION OPTIONS

REGISTRATION IS REQUIRED TO ATTEND

## Pre-Congress Workshops

FREE TO ATTEND

**Thursday, April 18, 2024**

8:00 AM - 10:30 AM

There will be three Pre-Congress Workshops available to attend on Thursday morning.

## OAC Journal Session

FREE TO ATTEND

**Thursday, April 18, 2024**

11:00 AM - 12:30 PM

The OAC Journal Session will consist of Paper of the Year Award presentations, Biostatistical Methods update, and recognition of Reviewers of the Year, Mentors and Mentees, and Guest Editors.

## Breakfast Poster Tours

\$30 PER TOUR

**Friday, April 19, 2024**

7:30 AM - 8:30 AM

We are excited to once again offer breakfast poster tours for attendees. Continental breakfast will be available.

Experts in the field will host four tours focused on the following topics:

- Latest Insights from Clinic and Imaging
- New Developments in OA Basic Science
- Novel Tools for Advancing Innovation in OA
- Advances in OA Therapy: Pharmacological and Non-Pharmacological

## Breakfast Workshops

\$30 PER SESSION

**Friday, April 19, 2024 - Sunday, April 21, 2024**

7:30 AM - 8:30 AM

There will be seven breakfast workshops during the 2024 Annual Congress. These workshops will take place on Friday, Saturday and Sunday morning. Attendance is limited, so register early. A continental breakfast will be provided. There is a separate registration fee for each workshop.

## Early Career Investigator Meet the Mentor Session

FREE TO ATTEND

**Friday, April 19, 2024**

6:45 PM – 8:30 PM

This session creates a friendly environment for mentees to have informal roundtable discussions with enthusiastic mentors on various topics in science and career development.

*The session will start at 6:45 PM. Please arrive on time to ensure you have time to sign in to the session.*

## Early Career Investigator Meet the Mentor Session Afterparty

Sponsored by  chondrometrics

**Friday, April 19, 2024**

8:30 PM - 10:30 PM

Continue conversations and networking at the ECI Afterparty. This fun event is open all registrants attending the ECI Meet the Mentor Workshop. Location TBD.

## Offsite Dinner Event

\$95 TO ATTEND

\$75 Early Career Investigator DISCOUNT\*

**Saturday, April 20, 2024**

7:30 PM - 10:30 PM

Join the OARSI leadership and your fellow colleagues for an evening of great food and fantastic conversation at **Luftburg Kolarik in the Prater**.

To add the Offsite Dinner Event to a pre-existing registration, please visit [congress.oarsi.org/registration](https://congress.oarsi.org/registration)

*\*ECI attendees must be enrolled in an undergraduate/graduate program, and attained their terminal degree (PhD or equivalent) less than ten years ago.*

## Early Career Investigator Luncheon Workshop: Perfecting Your Elevator Pitch

FREE TO ATTEND

**Saturday, April 20, 2024**

12:30 PM – 2:00 PM

Learn the “Art of an elevator pitch” from experienced researchers, featuring examples from previous OARSI Rising Star Awardees, and followed by a interactive practical session.

# GENERAL INFORMATION

## ONSITE REGISTRATION HOURS

OARSI Onsite Registration is located at MCC Registratur, Ground Level of the Messe Wien Exhibition & Congress Center.

All participants must pick-up their badge at the OARSI Onsite Registration desk prior to participation in OARSI sessions / events.  
A badge must be worn at all times while in the Messe Wien Exhibition & Congress Center.

DATE	TIME
Wednesday, April 17, 2024	3:00 PM - 5:00 pm
Thursday, April 18, 2024	6:30 am - 7:30 pm
Friday, April 19, 2024	6:30 am - 7:00 pm
Saturday, April 20, 2024	6:30 am - 7:00 pm
Sunday, April 21, 2024	6:30 am - 12:30 pm

## CREDIT CARD & ACH PAYMENT

Online registration accepts Credit Card and ACH payments.  
Acceptable Credit Card Forms: AMEX, VISA, Mastercard.

## CANCELLATIONS/REFUNDS

To cancel your registration and receive a refund, a written request with your registration confirmation must be received by March 20, 2024. Cancellation requests received by this date will receive a refund less a \$75 processing fee. Refunds will be processed after the meeting. All requests received after March 20, 2024, will forfeit 100% of monies paid.

## CERTIFICATE OF ATTENDANCE

A certificate of attendance will be available for all registrants following the meeting via a request to [info@oarsi.org](mailto:info@oarsi.org).

## ABSTRACT SUPPLEMENT

All abstracts presented at the Congress, both oral and poster, will be published in the supplement to OARSI's journal, Osteoarthritis and Cartilage.

## LOW/LOW-MIDDLE INCOME COUNTRY DISCOUNT

OARSI offers a 50% discount off registration fees for members attending from low or low-middle income countries as designated by the World Bank.

To see if your country qualifies for the discount, please visit the [World Bank country classification by income level](#).

Please contact [info@oarsi.org](mailto:info@oarsi.org) to request discounted registration.

## CODE OF CONDUCT POLICY

It is the policy of the Osteoarthritis Research Society International (OARSI) that all individuals are entitled to respectful treatment regardless of their race, ethnicity, gender, age, position, disability, sexual orientation or religion. OARSI affirms its obligation and commitment to foster and support a professional environment in which to carry out its mission, recognizing that failure to meet this obligation and commitment harms OARSI's reputation, the profession of osteoarthritis research, our professional credibility, the well-being of individuals, and the broader communities in which we live and work. Accordingly, and to foster a positive and inclusive environment, the OARSI Board of Directors has issued this Code of Conduct Policy.

**FULL POLICY:** [congress.oarsi.org/code-conduct](https://congress.oarsi.org/code-conduct)



JOINTLY ACCREDITED PROVIDER™  
INTERPROFESSIONAL CONTINUING EDUCATION

## Joint Accreditation Statement

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and Osteoarthritis Research Society International. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Amedco Joint Accreditation #4008163.

## Physicians (ACCME) Credit Designation

Amedco LLC designates this live activity for a maximum of 27.50 AMA PRA Category 1 Credits TM.

Physicians should claim only the credit commensurate with the extent of their participation in the activity.



## Thursday, April 18

8:00 AM - 10:30 AM

### **Pre-Congress Workshop: Delivering Best Evidenced Osteoarthritis Care Workshop for Clinicians**



*Chairperson: David Hunter*

#### **Understand the Epidemiology and Prognosis of Osteoarthritis**

*Lisa Sperl*

#### **Talking to People About Their OA**

*Sam Bunzli*

#### **Supporting Self-Management for People with OA**

*Shannon Mihalko*

#### **Physical Activity and Exercise**

*Kim Bennell*

#### **Weight Management**

*Marius Henriksen*

#### **Pharmacotherapy**

*Shirley Yu*

#### **How to Have a Behavior Change Conversation**

*Jillian Eyles, Martin van der Esch, & Sarah Kobayashi*

8:00 AM – 10:30 AM

### **Pre-Congress Workshop: Cartilage Repair: Lesson from Regenerative Species**

*Chairpersons: Erika Kague & Farida Djouad*

#### **Use of Zebrafish Models for Deciphering Mechanisms of Musculoskeletal Disease**

*Erika Kague*

#### **Using the Genetic Tractability of Zebrafish to Study Bone Diseases**

*Joanna Moss*

8:00 AM- 10:30 AM

### **Pre-Congress Workshop: Amplifying the Patient's Voice: How We Can Make Research More Impactful Organized by the Early Career Investigators**

*Chairpersons: Jesse Charlton & Armaghan Mahmoudian*

#### **Patient Partners on How Osteoarthritis Has Affected their Lives and What They Value Most in their Rehabilitation/Management Program**

*Corné Baatenburg de Jong & Belinda Lawford*

#### **Frameworks for Rigorously and Effectively Including Patient Partners and Experts in the Research Pathway**

*James Bilzon & Leigh Callahan*

#### **Identify the Challenges and Benefits of Engaging Patients in Research Through Scientific Research Examples**

*Lauren King & Jackie Whittaker*

10:30 AM – 11:00 AM

**BREAK**

11:00 AM – 12:30 PM	<b>OAC &amp; OACO Journal Session</b> <i>Organized by the OAC &amp; OACO Journal</i> <b>Welcome:</b> <ul style="list-style-type: none"> <li>Editors in Chief, OAC and OAC Open</li> </ul> <b>Scientific Session:</b> <ul style="list-style-type: none"> <li>Paper of the Year Award presentations</li> <li>Biostatistical Methods Update</li> </ul> <b>Award Ceremony:</b> <ul style="list-style-type: none"> <li>Recognition of                             <ul style="list-style-type: none"> <li>Reviewers of the Year</li> <li>Mentors and Mentees</li> <li>Guest Editors</li> </ul> </li> </ul>
12:30 PM – 2:00 PM	Lunch on Own
2:00 PM - 3:30 PM	<b>Plenary Session 1: When OA Meets Digital Health &amp; Nutrition</b> <i>Moderators: Mona Dvir-Ginzberg, Jérémie Sellam, &amp; Tanja Stamm</i>
2:00 PM – 2:30 PM	<b>The Present and Future of DiGAs in Healthcare and Arthritis</b> <i>Johannes Knitza</i>
2:30 PM – 3:00 PM	<b>Innovative Drugs for Obesity Treatment: A Game Changer?</b> <i>Sébastien Czernichow</i>
3:00 PM – 3:10 PM	<b>1 VARIATIONS IN TRAJECTORY OF ADHERENCE TO A DIGITAL SELF-MANAGEMENT TREATMENT FOR KNEE AND HIP OSTEOARTHRITIS: PREDICTORS AND CONSEQUENCES</b> <i>Ali Kiadaliri</i>
3:10 PM – 3:20 PM	<b>2 TRANSCUTANEOUS AURICULAR VAGUS NERVE STIMULATION IN EROSION HAND OSTEOARTHRITIS: RESULTS OF THE ESTIVAL MULTICENTER RANDOMIZED SHAM-CONTROLLED TRIAL</b> <i>Alice Courties</i>
3:20 PM – 3:30 PM	<b>3 BAD KNEES &amp; BROKEN HEARTS: miRs RELEASED FROM OSTEOARTHRITIC (OA) JOINTS INCREASE CARDIOVASCULAR DISEASE (CVD) RISK</b> <i>Christopher B. Little</i>
3:30 PM – 3:45 PM	BREAK
3:45 PM - 5:15 PM	<b>Plenary Session 2: Highest Rated Abstracts by Early Career Investigators</b> <i>Moderators: Martin Englund &amp; Gun-Il Im</i>
3:45 PM – 3:55 PM	<b>4 A DIGITAL MINDSET INTERVENTION TO IMPROVE PAIN AND EXERCISE PARTICIPATION IN INDIVIDUALS WITH KNEE OSTEOARTHRITIS: A RANDOMIZED CLINICAL TRIAL</b> <i>Melissa Boswell</i>
3:55 PM – 4:05 PM	<b>5 PATIENT-LEVEL ACTIVE SURVEILLANCE OF KNEE OSTEOARTHRITIS WITH REINFORCEMENT LEARNING</b> <i>Khanh Nguyen</i>
4:05 PM – 4:15 PM	<b>6 REMODELLING OF VASCULATURE AND NERVES IN MURINE JOINTS FOLLOWING SURGICAL JOINT DESTABILISATION</b> <i>Vicky Batchelor</i>
4:15 PM – 4:25 PM	<b>7 ASSOCIATION OF ACCELEROMETER-MEASURED PHYSICAL ACTIVITY PATTERNS WITH CARDIOVASCULAR DISEASES AND MORTALITY IN PEOPLE WITH</b>

	OSTEOARTHRITIS: A PROSPECTIVE COHORT STUDY Tianxiang Fan
4:25 PM – 4:35 PM	8 TEMPORAL TRENDS IN CROSS-COUNTRY INEQUALITIES OF THE BURDEN OF OSTEOARTHRITIS FROM 1990 TO 2019: DATA FROM THE GLOBAL BURDEN OF DISEASE STUDY 2019 Haowei Chen
4:35 PM – 4:45 PM	9 THE MODULATING EFFECT OF BIOMECHANICAL FORCES ON THE PROINFLAMMATORY TISSUE ENVIRONMENT IN OSTEOARTHRITIS USING ADVANCED THREE-DIMENSIONAL TISSUE-MIMETIC LAB-ON-A-CHIP MODELS Mario Rothbauer
4:45 PM – 4:55 PM	10 ASSOCIATION OF WEARABLE-SENSOR DERIVED GAIT MEASURES WITH CARTILAGE WORSENING OVER 2 YEARS IN THE MULTICENTER OSTEOARTHRITIS STUDY Kathryn Louise Bacon
4:55 PM – 5:05 PM	11 SINGLE-PAYER HEALTH INSURANCE MAY NOT MITIGATE INCOME-BASED DIFFERENCES IN TOTAL HIP ARTHROPLASTY UTILIZATION: A TRANSNATIONAL ANALYSIS Bella Mehta
5:05 PM – 5:15 PM	12 EPIGENOMIC LANDSCAPE ACROSS HUMAN ARTICULAR CARTILAGE DEVELOPMENT Sarah J. Rice
5:15 PM – 5:30 PM	BREAK
5:30 PM – 6:30 PM	<b>Opening Ceremony &amp; Awards Recognition</b>  <b>Recognition of:</b> Basic Science Award Winner Clinical Science Award Winner Rising Star Awards
6:30 PM – 7:30 PM	<b>Keynote Address: From Technology to Psychology</b>  <i>Moderators: Mohit Kapoor &amp; Thomas Hügle</i>
6:30 PM – 7:00 PM	<b>iPSC-Derived Injectable Spheroids and Cartilage Regeneration</b> <i>Ji Hyeon Ju</i>
7:00 PM – 7:30 PM	<b>(Bio) Psychological Network Models of Chronic Joint Pain</b> <i>Rinie Geenen</i>
7:30 PM – 9:00 PM	<b>Opening Reception with Exhibitors</b>

**Friday, April 19**

**7:30 AM – 8:30 AM Breakfast Poster Tours\***

**Poster Tour 1:** Latest Insights from Clinic and Imaging  
*Guided by Margreet Kloppenburg*

**Poster Tour 2:** New Developments in OA Basic Science  
*Guided by Tom Appleton*

**Poster Tour 3:** Novel Tools for Advancing Innovation in OA  
*Guided by Barbara Chan*

**Poster Tour 4:** Advances in OA Therapy: Pharmacological and Non-Pharmacological  
*Guided by Francis Berenbaum*

*\*Additional ticketed fee required*

**7:30 AM – 8:30 AM Breakfast Workshop A:  
Managing Bone and Joint Diseases in Older Aged: Epidemiology and  
Lessons for the Clinic (OARSI-ESCEO Joint Symposium)**

*Chairpersons: Gun-il Im & Jean Yves-Reginster*

**Immunometabolic Alterations Linking Diabetes Osteoarthritis and  
Osteoporosis**  
*Ali Mobasher*

**Impact of Osteoporosis and Osteoarthritis as Comorbidities in the Aging  
Population**  
*Elaine Dennison*

*\*Additional ticketed fee required*

**7:30 AM – 8:30 AM Breakfast Workshop B:  
Computer Vision for Motion Tracking in Osteoarthritis**

*Chairperson: Thomas Hügler*

**Single Camera Motion Capture in Osteoarthritis**  
*Melissa Boswell*

*\*Additional ticketed fee required*

**8:45 AM – 10:15 AM Concurrent Session 1: Risk Factors, Prevention, and Early Disease**

*Moderators: Matthew Harkey & Matlock Jeffries*


**8:45 AM – 9:25 AM Defining Early-Stage Symptomatic Knee Osteoarthritis – an OARSI Initiative  
(EsSKOA ECIs)**  
*Lauren King*  
*Jean Liew*  
*Armaghan Mahmoudian*

**9:25 AM - 9:35 AM 13 EARLY-STAGE VS ESTABLISHED KNEE OSTEOARTHRITIS: A COMPARATIVE  
STUDY ON THE PREVALENCE, CHARACTERISTICS, AND OUTCOMES OF  
SUPERVISED EXERCISE AND EDUCATION AMONG 10,365 PATIENTS**  
*Stan Drummen*

**9:35 AM - 9:45 AM 14 YOUNG ADULTS WITH ACL INJURIES AT INCREASED OSTEOARTHRITIS RISK  
AND ADOLESCENTS WITH NONTRAUMATIC KNEE PAIN: COMPARISON OF LONG-  
TERM PATIENT-REPORTED OUTCOMES**  
*Ewa M. Roos*


9:45 AM - 9:55 AM	15 ASSESSING THE EFFICACY OF THE STOP OSTEOARTHRITIS (SOAR) PROGRAM: A RANDOMIZED DELAYED-CONTROLLED TRIAL FOR PERSONS AT INCREASED RISK OF EARLY ONSET POST-TRAUMATIC KNEE OSTEOARTHRITIS Justin Losciale
9:55 AM – 10:05 AM	16 IS ANTERIOR CRUCIATE LIGAMENT CONTINUITY ON MRI 5 YEARS AFTER ACUTE ACL RUPTURE ASSOCIATED WITH 11-YEAR OUTCOMES? A SECONDARY ANALYSIS FROM THE KANON TRIAL Stephanie Filbay
10:05 AM - 10:15 AM	17 CHONDROCALCINOSIS IS A RISK FACTOR FOR KNEE OSTEOARTHRITIS AND PAIN INCIDENCE. Yahong Wu

#### 8:45 AM – 10:15 AM **Concurrent Session 2: Imaging**

	<i>Moderators: Frank Roemer and Thomas Link</i>
8:45 AM – 9:25 AM	<b>Interventional Radiology and Treatment of Osteoarthritis</b> Yan Epelboym
9:25 AM - 9:35 AM	18 THE ASSOCIATION OF SEVERITY AND PROGRESSION OF STRUCTURAL HAND OA WITH PROGRESSION OF STRUCTURAL KNEE OA: THE IMI-APPROACH COHORT Sietse Terpstra
9:35 AM - 9:45 AM	19 GENICULAR ARTERY EMBOLIZATION VERSUS SHAM EMBOLIZATION FOR SYMPTOMATIC KNEE OSTEOARTHRITIS: 1-YEAR RESULTS FROM A RANDOMIZED CONTROLLED TRIAL. Tijmen Alexander van Zadelhoff
9:45 AM - 9:55 AM	20 IS DETECTION OF DMOAD TREATMENT MORE EFFECTIVE WHEN PERFORMING QUANTITATIVE CARTILAGE ANALYSIS WITH UNBLINDED IMAGE ACQUISITION ORDER? Felix Eckstein
9:55 AM – 10:05 AM	21 PREDICTION OF INCIDENT CONSTANT AND INTERMITTENT KNEE PAIN BY CARTILAGE THICKNESS AND T2 VALUES: DATA FROM THE OAI Maximilian T. Löffler
10:05 AM - 10:15 AM	22 PATELLA SHAPE ANALYSIS PREDICTS KNEE ARTHROPLASTY RISK ENHANCED BY DIFFUSION MODEL Sing Hin Lau

#### 10:15 AM – 10:45 AM **BREAK**

#### 10:45 AM – 12:15 PM **Plenary Session 4: Innovation in OA Research**

	<i>Moderators: Catherine Le Visage &amp; Jeroen Geurts</i>
10:45 AM – 11:25 AM	<b>Update on Joint-on-a-chip in OA</b> Séverine Le Gac
11:25 AM – 11:35 AM	23 MAPPING THE JOINT-NERVE INTERACTOME OF THE KNEE: AN INTEGRATIVE APPROACH FOR IDENTIFYING NEW STRATEGIES FOR THE CONTROL OF JOINT PAIN Anne-Marie Malfait

11:35 AM – 11:45 AM	24 INSIGHTS INTO THE GENOMIC AETIOLOGY OF OSTEOARTHRITIS: GENOME-WIDE ASSOCIATION STUDY META-ANALYSIS ACROSS 1,962,069 INDIVIDUALS (On behalf of the Genetics of Osteoarthritis Consortium) Konstantinos Hatzikotoulas
11:45 AM – 11:55 AM	25 FIBROBLAST GROWTH FACTOR 18 GENE THERAPY TREATMENT IS PROTECTIVE TO CARTILAGE AND SUBCHONDRAL BONE IN RAT MODEL OF OSTEOARTHRITIS Alexei Goraltchouk
11:55 AM – 12:05 PM	26 MITOCHONDRIAL TRANSPLANTATION AS A NEW PERSPECTIVE FOR OSTEOARTHRITIS TREATMENT Mercedes Fernandez-Moreno
12:05 PM – 12:15 PM	27 NETWORK MEDICINE-BASED APPROACH TO INTERROGATE CHONDROPROTECTIVE EFFECTS OF REHABILITATIVE EXERCISE VIA CIRCULATING EXTRACELLULAR VESICLES Hirotaka Iijima

**12:30 PM – 2:00 PM Satellite Lunch Symposium**



**2:00 PM - 3:30 PM Concurrent Session 3: Rehabilitation Medicine and Biomechanics**

*Moderators: Jesse Charlton & Michelle Hall*

2:00 PM – 2:40 PM	<b>Healing ACL Ruptures without Surgery and Implications for Osteoarthritis</b> <i>Stephanie Filbay</i>
2:40 PM – 2:50 PM	28 PHYSIOTHERAPIST-LED TREATMENT FOR FEMOROACETABULAR IMPINGEMENT SYNDROME (THE PHYSIOFIRST STUDY): A PARTICIPANT AND ASSESSOR-BLINDED RANDOMISED CONTROLLED TRIAL. Joanne L. Kemp
2:50 PM – 3:00 PM	29 VIDEOCONFERENCING WITH A PHYSIOTHERAPIST VERSUS IN-PERSON CARE FOR KNEE OSTEOARTHRITIS: THE PEAK NON-INFERIORITY RANDOMISED CONTROLLED TRIAL. Rana S. Hinman
3:00 PM – 3:10 PM	30 IMPLEMENTING OA TREATMENT RECOMMENDATIONS IN PRIMARY CARE POSTPONED JOINT REPLACEMENT IN HIP AND KNEE JOINTS - 8 YEAR FOLLOW-UP OF A CLUSTER RANDOMIZED CONTROLLED TRIAL. Nina Østerås
3:10 PM – 3:20 PM	31 RELATION OF PAIN SENSITIZATION WITH KNEE LOADING DURING WALKING IN PEOPLE WITH KNEE OSTEOARTHRITIS Ehyun Kim
3:20 PM – 3:30 PM	32 REDUCED COMPRESSIVE & SHEAR FORCES FROM GAIT RETRAINING RELATE TO SLOWED CARTILAGE DEGENERATION Kirsten Seagers

**2:00 PM - 3:30 PM Concurrent Session 4: Joint Related Tissue**

*Moderators: Jessica Bertrand & Johanna Bolander*

2:00 PM – 2:40 PM	<b>Joint Cartilage in Long-Duration Spaceflight</b> <i>Henning Madry</i>
2:40 PM – 2:50 PM	33 THE PHENOTYPE AND FATE OF SYNOVIAL MACROPHAGES IS MODULATED BY INJURY AND OBESITY IN OSTEOARTHRITIS Natalia S. Harasymowicz



2:50 PM – 3:00 PM	34 MACROPHAGE DIVERSITY IN THE STIFFENING AND FIBROTIC SYNOVIAL NICHE FOLLOWING JOINT INJURY Sung Yeon Kim
3:00 PM – 3:10 PM	35 MECHANICALLY ACTIVE JOINT-ON-CHIP MODELS AS ADVANCED PRECLINICAL TOOLS TO TEST ANTI-OA THERAPIES AND DISSECT THE CROSS-TALK AMONG DIFFERENT COMPARTMENTS IN OA Paola Occhetta
3:10 PM – 3:20 PM	36 HEPARAN SULFATE-DEFICIENCY RESULTS IN ALTERED MATRIX PROPERTIES AND IMPAIRED CELL MATRIX INTERACTIONS Ann-Christine Severmann
3:20 PM – 3:30 PM	37 SPATIAL TRANSCRIPTOMICS OF JOINT SPACE-INTERFACING TISSUES USING A PRE-CLINICAL MOUSE MODEL OF OSTEOARTHRITIS Jason S. Rockel

#### 2:00 PM – 3:30 PM **Clinical Trials Symposium**



*Moderators: Morten Karsdal & Ali Mobasheri*



**Current Evidence for Anti-inflammatory Treatments of OA as DMOADs**  
*Richard Loeser*



**"Imaging Modalities for Identification of the Molecular Inflammatory Endotype of Progressive OA"**  
*Olga Kubassova*



**Soluble Biomarkers of Inflammation and Tissue Destruction: The Inflammatory Endotype**  
*Anne C. Bay-Jensen*



#### 3:30 PM – 5:00 PM **POSTER SESSION 1**



3:30 PM – 4:15 PM	Odd Numbers
4:15 PM – 5:00 PM	Even Numbers

#### 5:00 PM – 6:30 PM **Concurrent Session 5: Molecular Circuits Regulating Joint Destruction**

*Moderators: Seungwoo Han & Chunyi Wen*

5:00 PM – 5:40 PM	<b>Key Signaling Circuits Driving OA Progression</b> <i>Di Chen</i>
5:40 PM – 5:50 PM	38 PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR A IS A DISEASE-MODIFYING TARGET FOR OSTEOARTHRITIS Beatriz Carames
5:50 PM – 6:00 PM	39 A NOVEL GENETIC MOUSE MODEL OF AGE-ASSOCIATED OA Mick Jurynek
6:00 PM – 6:10 PM	40 SUPERFICIAL ZONE CELL DEATH IN ADULT MOUSE LIMB JOINTS LEADS TO EARLY ONSET OSTEOARTHRITIC PROGRESSION Danielle Rux
6:10 PM – 6:20 PM	41 THE CALCITONIN RECEPTOR PROMOTES BONE TURNOVER AND INFLAMMATION IN A MURINE MODEL OF AGE-DEPENDENT OSTEOARTHRITIS Jérôme Weber

6:20 PM – 6:30 PM 42 THE ROLE OF MAST CELLS IN OSTEOARTHRITIS  
Jingshu Liu

**5:00 PM - 6:30 PM Concurrent Session 6: Pain: From Basic to Clinical**



*Moderators: Rik Lories & Joanna Sherwood*

5:00 PM – 5:40 PM **Nerve and OA Pain**  
*Hans Georg Schaible*

5:40 PM – 5:50 PM 43 TARGETED ABLATION OF KNEE-INNERVATING NOCICEPTORS REDUCES PAIN AND CARTILAGE DAMAGE IN CHRONIC EXPERIMENTAL OSTEOARTHRITIS  
Lai Wang

5:50 PM – 6:00 PM 44 LATENT TRANSITION ANALYSIS OF PAIN PHENOTYPES IN PEOPLE AT RISK OF KNEE OSTEOARTHRITIS  
Y.V. Raghava Neelapala

6:00 PM – 6:10 PM 45 HIGHER PAIN VARIATION DURING THE SCREENING PHASE IS ASSOCIATED WITH A LARGER PLACEBO RESPONSE – POST-HOC ANALYSIS OF A PHASE 2B KNEE OSTEOARTHRITIS TRIAL  
Jakob Mejdahl Bentin

6:10 PM – 6:20 PM 46 MECHANOSENSITIVE MAS-RELATED G PROTEIN COUPLED RECEPTOR-D EXPRESSING NOCICEPTORS CONTRIBUTE TO PAIN IN SURGICALLY INDUCED MURINE OSTEOARTHRITIS.  
Alia Obeidat

6:20 PM – 6:30 PM 47 ORAL GAVAGE OF DELTA-9-TETRAHYDROCANNABINOL PROVIDES PAIN AND DISEASE MODIFICATION IN MOUSE MODELS OF KNEE OSTEOARTHRITIS  
Anca Maglaviceanu

**6:45 PM – 8:30 PM Early Career Investigator Meet the Mentor Session**

*Chairpersons: Anca Maglaviceanu & Rachell Nelligan*

Table Topics	
Career Planning and Being Strategic	Managing a Research Group
Beyond hip and knee OA (Spine, hand, ankle, etc.)	Mechanistic studies of OA (cell signaling, inflammation, cytokines, biomarkers, etc.)
Biomechanics & Gait	Pain (Clinical/Mechanistic)
Early-stage OA and Prevention	Patient Partners & Public Involvement in Research
Emerging Therapeutics (stem cells, tissue engineering & regenerative medicine, etc.)	Rehabilitation Medicine, Implementation, and Health Services
Epidemiology and Health Economics	Working with Industry in OA Research
Epigenetics, Genomics, Proteomics, Transcriptomics, Metabolomics	Work-Life Balance in Academia
Imaging for OA	Women in Science

*\*Registration is required. The session will start at 6:45 PM. Please arrive on time to ensure you have time to sign in to the session.*

6:45 PM – 8:30 PM China Germany Night

**8:30 PM – 10:30 PM Early Career Investigator Meet the Mentor Session Afterparty**



*Location TBD*

## Saturday, April 20

7:30 AM – 8:30 AM **Breakfast Workshop C:  
Practical Aspects of Imaging in Clinical Trials: From Radiography to MRI\***

*Chairpersons: Patrick Omoumi & Frank Roemer*

**Practical Aspects of Imaging in Clinical Trials: Radiography**

*Ali Guermazi*

**Practical Aspects of Imaging in Clinical Trials: MRI**

*Frank Roemer*

7:30 AM – 8:30 AM

**Breakfast Workshop D:  
What is the Relationship Between Pain and Emotions?\***

*Chairperson: Mona-Dvir Ginzberg*

**What is the Relationship Between Pain and Emotions?**

*Gadi Gilam*

7:30 AM – 8:30 AM

**Breakfast Workshop G:  
OARSI/ASBMR Joint Workshop\***

*Moderators: Gun-il Im & Jennifer Westendorf*

**Novel Approaches to Studying Bone and Joints**

*Hang Lin*

*Caitlyn Collins*

*\*Additional ticketed fee required*

8:45 AM – 10:15 AM

**Concurrent Session 7: Clinical Aspects and Outcomes in OA**

*Moderators: Armaghan Mahmoudian & Grace Lo*

8:45 AM – 9:25 AM

**Sarcopenic Obesity: Why Is It Important in OA?**

*Kristine Godziuk*

9:25 AM - 9:35 AM

48 WORK-RESTRICTING MUSCULOSKELETAL PAIN IN PATIENTS TREATED WITH BARIATRIC SURGERY OR USUAL OBESITY CARE — RESULTS FROM SWEDISH OBESE SUBJECTS, A CONTROLLED INTERVENTION STUDY WITH 20 YEARS FOLLOW-UP

*Stefan Lohmander*

9:35 AM - 9:45 AM

49 A COMPARISON OF SURGICAL OUTCOME AND EQUITABLE ACCESS FOR HIP, KNEE AND LUMBAR SPINE SURGERY FOR ENDSTAGE OSTEOARTHRITIS.

*Y. Raja Rampersaud*

9:45 AM - 9:55 AM

50 EFFICACY OF XT-150, A NOVEL NON-VIRAL GENE THERAPY DELIVERING IL-10v, ON MODERATE TO SEVERE PAIN DUE TO KNEE OSTEOARTHRITIS: PATIENT SUBGROUP ANALYSIS

*Howard Rutman*

9:55 AM – 10:05 AM

51 SGLT2 INHIBITORS VS. GLP1 AGONISTS AS TREATMENTS FOR OSTEOARTHRITIS

*S. Reza Jafarzadeh*

10:05 AM - 10:15 AM

52 THE OARSI JOINT EFFORT INITIATIVE'S PRIORITIES FOR OSTEOARTHRITIS MANAGEMENT PROGRAM IMPLEMENTATION AND RESEARCH 2024-2028

*Jocelyn L. Bowden*

8:45 AM – 10:15 AM

**Concurrent Session 8: Beyond Hip and Knee OA**

*Moderators: Martin van der Esch & Margreet Kloppenburg*

8:45 AM – 9:25 AM

**Molecular Pathways in Intervertebral Disc Degeneration and Facet Joint OA**

*Raja Rampersaud*

9:25 AM - 9:35 AM	53 METHODS - A RANDOMIZED CONTROLLED TRIAL OF METHOTREXATE TO TREAT HAND OSTEOARTHRITIS WITH SYNOVITIS: A POST-HOC ANALYSIS Flavia Cicuttini
9:35 AM - 9:45 AM	54 METABOLIC SYNDROME IS ASSOCIATED WITH MORE PAIN IN HAND OSTEOARTHRITIS: RESULTS FROM THE DIGICOD COHORT Alix Charton
9:45 AM - 9:55 AM	55 CHRONIC EROSION HAND OSTEOARTHRITIS PATIENTS HAVE HIGHER RISK TO EXPERIENCE SEVERE PAIN THAN TREATED RHEUMATOID ARTHRITIS PATIENTS: A COMPARATIVE STUDY BETWEEN DIGICOD AND ESPOIR COHORTS Alice Courties
9:55 AM - 10:05 AM	56 DETERMINATION OF AN EPIGENETIC POLYGENIC RISK SCORE TO PREDICT RECOVERY FROM PAIN FOLLOWING SURGICAL INTERVENTION FOR LUMBAR SPINAL STENOSIS DUE TO SPINE OSTEOARTHRITIS Y. Raja Rampersaud
10:05 AM - 10:15 AM	57 THE RELATIVE IMPORTANCE OF STRUCTURAL CHANGES OF RADIOGRAPHIC OSTEOARTHRITIS AND PAIN IN MULTIPLE SITES: THE JOHNSTON COUNTY OSTEOARTHRITIS PROJECT Amanda E. Nelson

10:15 AM – 10:45 AM BREAK

10:20 AM – 10:35 AM Theater Session



10:45 AM – 12:15 PM **Plenary Session 5: Bioengineering and Advanced Materials in OA**

*Moderators: Mona Dvir-Ginzberg & Barbara Chan*

10:45 AM – 11:25 AM **Strategies in Cell-Matrix Regeneration**  
*Sylvia Nürnberger*

11:25 AM – 11:35 AM 58 LIPOSOMAL INTRA-ARTICULAR GEL PROVIDES COMPONENTS FOR ULTRA-LOW FRICTION IN THE SYNOVIAL JOINT, THUS IMPROVING CLINICAL AND FUNCTIONAL OUTCOMES OF PATIENTS WITH OSTEOARTHRITIS  
Pawel Bakowski

11:35 AM – 11:45 AM 59 EFFICACY OF A BIODEGRADABLE POLYMER-BASED IL-1RA FORMULATION AFTER INTRA-ARTICULAR DELIVERY IN A RAT ACLT OA MODEL  
Sylvestre Grizot

11:45 AM – 11:55 AM 60 ALLOGRAFT ADIPOSE MATRIX INCREASES IL-10 WITHOUT SIGNIFICANTLY ALTERING OTHER MEDIATORS OF OSTEOARTHRITIS  
Andrea Karen Persons

11:55 AM – 12:05 PM 61 INVESTIGATING THE USE OF INTRA-ARTICULAR INJECTIONS OF GSK3787 FOR OSTEOARTHRITIS  
Ermina Hadzic

12:05 PM – 12:15 PM 62 A SINGLE PLACENTA-DERIVED MESENCHYMAL-LIKE STROMAL CELL INJECTION HALTS PROGRESSION OF PRIMARY KNEE OSTEOARTHRITIS – FIRST PRECLINICAL RESULTS FROM THE PROTO CONSORTIUM  
Tazio Maleitke

12:30 PM – 2:00 PM **Early Career Investigator (ECI) Luncheon Workshop: Perfecting Your Elevator Pitch\***

*Chairpersons: Matt Harkey & Brooke Patterson*

### **The Art of the Elevator Pitch**

*Jackie Whittaker*

*Erin Macri*

### **Elevator Pitch Examples**

*Jamie Collins*

*Tom Appleton*

In this workshop, Early Career Investigator attendees will hear from two experienced researchers on the "Art of an elevator pitch". This includes its significance, the appropriate contexts for its use, and ways to tailor it for different audiences. The workshop will offer practical guidance on enhancing engagement, clarity, and both verbal and non-verbal communication skills. Additionally, previous OARSI Rising Star Awardees will give example elevator pitches. Attendees will then have the option to participate in a practical session: (I) round-robin presentations on each table, with each participant delivering their pitch and receiving feedback (II) best presentations from each small group will present to the whole group. Judges (presenters and other senior OARSI representatives) will select a best pitch winner. Attendees will also select a people's choice winner.

*\*Registration is required*

## **2:00 PM - 3:30 PM Concurrent Session 9: News in Therapies**

*Moderators: Jean Liew & Nancy Lane*

2:00 PM – 2:40 PM	<b>Rediscovering Botulinum Toxin in OA</b> <i>Christelle Nguyen</i>
2:40 PM – 2:50 PM	63 EFFICACY OUTCOMES IN PATIENTS WITH KNEE OSTEOARTHRITIS: PER-PROTOCOL ANALYSES FROM SPRINGBOARD, A PHASE 2, RANDOMIZED, 24-WEEK STUDY OF EP-104IAR (LONG-ACTING INTRA-ARTICULAR INJECTION OF FLUTICASONE PROPIONATE) James A. Helliwell
2:50 PM – 3:00 PM	64 DICKENS: A MULTICENTRE RANDOMIZED CONTROLLED TRIAL OF DIACEREIN FOR KNEE OSTEOARTHRITIS WITH EFFUSION-SYNOVITIS Dawn Aitken
3:00 PM – 3:10 PM	65 EFFICACY AND SAFETY OF AN INTRA-ARTICULAR PLACENTAL TISSUE PARTICULATE (MOTYS/PTP-001) IN SYMPTOMATIC KNEE OSTEOARTHRITIS OVER 26 WEEKS: A PLACEBO-CONTROLLED, DOUBLE-BLIND RANDOMIZED CLINICAL TRIAL Alessandra Pavesio
3:10 PM – 3:20 PM	66 EFFECTS OF PENTOSAN POLYSULFATE SODIUM ON CLINICAL OUTCOMES AND DISEASE MODIFYING BIOMARKERS IN MODERATE TO SEVERE KNEE OSTEOARTHRITIS Mukesh Ahuja
3:20 PM – 3:30 PM	67 A RANDOMIZED PLACEBO-CONTROLLED TRIAL OF ORAL RESVERATROL FOR PATIENTS WITH PAINFUL KNEE OSTEOARTHRITIS (ARTHROL) Christelle Nguyen

## **2:00 PM – 3:30 PM Concurrent Session 10: Molecular Drivers of OA**

*Moderators: Raghu Yammani & Ingrid Meulenbelt*

2:00 PM – 2:40 PM	<b>Phagocyte-Induced Fibroblast Gene Activation: Novel Insights in Regenerative Medicine</b> <i>Thomas Lozito</i>
2:40 PM – 2:50 PM	68 EXAMINING THE ROLE OF SIRT1 CLEAVAGE ON AGE-DEPENDENT OA PROGRESSION FOR MALE MICE Mona Dvir-Ginzberg
2:50 PM – 3:00 PM	69 INTRA-ARTICULAR ADMINISTRATION OF AGRIN INDUCES RAPID AND SUSTAINED PAIN RELIEF IN OSTEOARTHRITIS Suzanne Eldridge
3:00 PM – 3:10 PM	70 LOSS OF MITOCHONDRIAL UNFOLDED PROTEIN RESPONSE CHAPERONIN AGGRAVATES CHONDROCYTE CATABOLISM AND OSTEOARTHRITIC DEGENERATION Yu Shan Chen
3:10 PM – 3:20 PM	71 IDENTIFICATION AND CHARACTERIZATION OF MIR-126-3P AS A DIAGNOSTIC BIOMARKER, MECHANISTIC DRIVER, AND THERAPEUTIC TARGET FOR KNEE OSTEOARTHRITIS Thomas G. Wilson
3:20 PM – 3:30 PM	72 MANGANESE DIOXIDE NANOZYMES AS AN ROS SCAVENGING THERAPY FOR OSTEOARTHRITIS Jessica Aldrich

3:30 PM – 5:00 PM **POSTER SESSION 2**



3:30 PM – 4:15 PM	Odd Numbers
4:15 PM – 5:00 PM	Even Numbers

5:00 PM – 6:00 PM **Plenary Session 6 – DEBATE**

*Moderators: Ida Haugen & Ali Mobasheri*

**Steroid Intra Articular Joint Injection in OA: Pro vs. Con**

*Margreet Kloppenburg (Pro) vs. David Hunter (Con)*

6:00 PM – 6:50 PM **Late Breaking Oral Abstract Podium Session**

7:30 PM – 10:30 PM **Offsite Dinner Event\***

Luftburg - Kolarik in the Prater  
Prater 128, Waldsteingartenstrasse, 1020 Vienna

*\*Additional registration fee and ticket are required to attend.*

## Sunday, April 21

7:30 AM – 8:30 AM	<b>Breakfast Workshop E: Preventing Osteoarthritis After an Anterior Cruciate Ligament Injury: An Osteoarthritis Action Alliance Consensus Statement*</b>
-------------------	---



*Chairpersons: Ali Mobasheri & Elizabeth Wellsandt*

**Mechanisms for Osteoarthritis Progression and Opportunities for Intervention After ACL Injury**

*Elizabeth Wellsandt*

**OAAA Consensus Statement and Recommendations to Mitigate Osteoarthritis After ACL Injury**

*Laura Schmitt*

**7:30 AM – 8:30 AM Breakfast Workshop F: Exploring OA Biology Through the Synovial Fluid\***

*Chairperson: Tonia Vincent*

**Methodology, Drawbacks, and Advantages of Synovial Fluid Investigations**

*Tonia Vincent*

*\*Additional ticketed fee required*

**8:45 AM – 10:15 AM Concurrent Session 11:  
Advanced Bioinformatic and Multiomic in OA Research**

*Moderators: Marie Binvnagat & Anca Maglaviceanu*

**8:45 AM – 9:25 AM ApprOAching Endotypes in OA**

*Jaume Bacardit*

9:25 AM - 9:35 AM 73 IMMUNOLOGICAL PROFILING OF PAIN IN KNEE OSTEOARTHRITIS: TREG CELLS AS POTENTIAL NEW KEY PLAYERS IN SYMPTOMATIC KNEE OSTEOARTHRITIS.  
*Marie Binvnagat*

9:35 AM - 9:45 AM 74 SYNOVIAL FLUID BASED MOLECULAR ENDOTYPES IN KNEE OSTEOARTHRITIS: FULL PRIMARY ANALYSIS FROM THE STEPUp OA CONSORTIUM  
*Yun Deng*

9:45 AM - 9:55 AM 75 SPATIAL AND MORPHOMETRIC ANALYSIS OF OSTEOARTHRITIS-RELATED HISTOLOGICAL CHANGES IN RODENTS USING DEEP-LEARNING  
*Jacob Lee Griffith*

9:55 AM – 10:05 AM 76 AN ATLAS OF THE SYNOVIUM IN KNEE OSTEOARTHRITIS: FIBROBLAST ACTIVATION DEFINES DISEASE PROGRESSION  
*Kabriya Thavaratnam*

10:05 AM - 10:15 AM 77 LONGITUDINAL STABILITY OF MOLECULAR ENDOTYPES OF KNEE OSTEOARTHRITIS PATIENTS FROM THE APPROACH COHORT  
*Monica Toft Hannani*

**8:45 AM – 10:15 AM Concurrent Session 12:  
Beyond the Joint: Systemic Context, Co-Morbidities and Other Organs**

*Moderators: Larry Moreland & Andrea Dellisola*

**8:45 AM – 9:25 AM Going into the Brain to Decipher Joint Pain**

*Dorothee Auer*

9:25 AM - 9:35 AM 78 THE IMPACT OF AN INTERVENTION FOR OSTEOARTHRITIS BASED ON EXERCISE AND EDUCATION ON METABOLIC HEALTH: A REGISTER-BASED STUDY  
*Simone Battista*

9:35 AM - 9:45 AM 79 EXPLORING ASSOCIATIONS BETWEEN PRO-INFLAMMATORY CYTOKINES, OBESITY ASSOCIATED OSTEOARTHRITIS, AND GUT MICROBIOME COMPOSITION USING MACHINE LEARNING  
*Cameron Edward Kurz*

## OARSI 2024 World Congress on Osteoarthritis Program

9:45 AM - 9:55 AM	80 NO OBSERVABLE DIFFERENCES IN THE GUT MICROBIOME OF OSTEOARTHRITIS PATIENTS Kajetana Bevc
9:55 AM – 10:05 AM	81 OSTEOARTHRITIS AND SEVERE CARDIOVASCULAR DISEASE - A SHARED ETIOLOGY? Karin Magnusson
10:05 AM - 10:15 AM	82 EARLY- AND LATE-STAGE OSTEOARTHRITIS PATIENTS EXHIBIT AN AUTONOMIC DYSFUNCTION Rebecca Sohn
10:15 AM – 10:30 AM	BREAK

### 10:30 AM - 12:15 PM **Plenary Session 7: YEAR IN REVIEW**



*Moderators: Mona Dvir-Ginzberg & Jérémie Sellam*

10:30 AM – 10:45 AM	<b>OA Clinical: Epidemiology and Therapy</b> <i>Alice Courties</i>
10:45 AM – 11:00 AM	<b>Imaging</b> <i>Daichi Hayashi</i>
11:00 AM – 11:15 AM	<b>Rehabilitation &amp; Outcomes</b> <i>Belinda Lawford</i>
11:15 AM – 11:30 AM	<b>Biomechanics in OA</b> <i>Annegret Mündermann</i>
11:30 AM – 11:45 AM	<b>Biomarkers</b> <i>Ron K. June</i>
11:45 AM – 12:00 PM	<b>Genetics, Genomics, and Epigenetics</b> <i>Cindy Boer</i>
12:00 PM – 12:15 PM	<b>OA Biology</b> <i>Frank Zaucke</i>