



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!



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Mona Dvir-Ginzberg, PhD
2024 Abstract Chair

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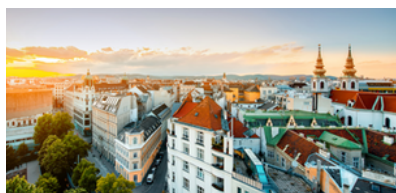
CONGRESS LOCATION

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.

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.

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

**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.

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 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



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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.

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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**

Room: Schubert 4,5,6, 1st Floor



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**

Room: Lehar 1,2,3,4, Ground Floor

Chairpersons: Erika Kague & Farida Djouad

**Preclinical Models in Drug Development: From Rodents to Larger
Translational Model**

Ali Mobasheri & Jaqueline Lourdes Rios

**Dynamic Cell Plasticity During Synovial Joint Regeneration in Adult
Zebrafish**

Joanna Smeeton

Exploring the Mechanisms of Cartilage Regeneration Using Zebrafish

Farida Djouad

Probing Mechanisms of Osteoarthritis Using Zebrafish

Erika Kague

**Osteomodulin Down-regulation is Associated with Osteoarthritis
Development**

Jérémie Zappia

Using the Genetic Tractability of Zebrafish to Study Bone Diseases

Joanna Moss

**Ubiquitin Clues to Mechanoflamination in Tissue Damage and Repair:
Lessons from Zebrafish Model System**

Heba Ismail

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

Room: Schubert 1,2,3, 1st Floor

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 GENERAL BREAK

11:00 AM – 12:30 PM OAC & OACO Journal Session
Organized by the OAC & OACO Journal

Room: Lehar 1,2,3,4, Ground Floor

Welcome:

- Editors in Chief, OAC and OAC Open

Scientific Session:

- Paper of the Year Award presentations
- Biostatistical Methods Update

Award Ceremony:

- Recognition of Reviewers of the Year, Mentors & Mentees & Guest Editors

12:30 PM – 2:00 PM LUNCH ON OWN

2:00 PM - 3:30 PM Plenary Session 1: When OA Meets Digital Health & Nutrition

Room: Strauss 1,2,3, Ground Floor

Moderators: Mona Dvir-Ginzberg, Jérémie Sellam, & Tanja Stamm

2:00 PM – 2:30 PM The Present and Future of DiGAs in Healthcare and Arthritis
Johannes Knitza

2:30 PM – 3:00 PM Innovative Drugs for Obesity Treatment: A Game Changer?
Sébastien Czernichow

3:00 PM – 3:10 PM 1 VARIATIONS IN TRAJECTORY OF ADHERENCE TO A DIGITAL SELF-MANAGEMENT TREATMENT FOR KNEE AND HIP OSTEOARTHRITIS: PREDICTORS

	AND CONSEQUENCES Ali Kiadaliri
3:10 PM – 3:20 PM	2 TRANSCUTANEOUS AURICULAR VAGUS NERVE STIMULATION IN EROSIIVE HAND OSTEOARTHRITIS: RESULTS OF THE ESTIVAL MULTICENTER RANDOMIZED SHAM-CONTROLLED TRIAL Alice Courties
3:20 PM – 3:30 PM	3 BAD KNEES & BROKEN HEARTS: miRs RELEASED FROM OSTEOARTHRITIC (OA) JOINTS INCREASE CARDIOVASCULAR DISEASE (CVD) RISK Christopher B. Little
3:30 PM – 3:45 PM	BREAK

3:45 PM - 5:15 PM Plenary Session 2: Highest Rated Abstracts by Early Career Investigators

Room: Strauss 1,2,3, Ground Floor

Moderators: Martin Englund & Gun-il Im

3:45 PM – 3:55 PM	4 A DIGITAL MINDSET INTERVENTION TO IMPROVE PAIN AND EXERCISE PARTICIPATION IN INDIVIDUALS WITH KNEE OSTEOARTHRITIS: A RANDOMIZED CLINICAL TRIAL Melissa Boswell
3:55 PM – 4:05 PM	5 PATIENT-LEVEL ACTIVE SURVEILLANCE OF KNEE OSTEOARTHRITIS WITH REINFORCEMENT LEARNING Khanh Nguyen
4:05 PM – 4:15 PM	6 REMODELLING OF VASCULATURE AND NERVES IN MURINE JOINTS FOLLOWING SURGICAL JOINT DESTABILISATION Vicky Batchelor
4:15 PM – 4:25 PM	7 ASSOCIATION OF ACCELEROMETER-MEASURED PHYSICAL ACTIVITY PATTERNS WITH CARDIOVASCULAR DISEASES AND MORTALITY IN PEOPLE WITH 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 Opening Ceremony & Awards Recognition

Room: Straus 1,2,3, Ground Floor

Recognition of Lifetime Achievement Award Winner



Krysia Dziedzic, PhD

Recognition of Basic Science Research Award Winner

Tonia Vincent, MD, PhD

Recognition of Clinical Research Award Winner

Margreet Kloppenburg, MD, PhD

Recognition of Rising Star Awards

Basic Science Research

Kelsey Collins, PhD

Clinical Research

Adam Culvenor, PhD

6:30 PM – 7:30 PM Keynote Address: From Technology to Psychology

Room: Straus 1,2,3, Ground Floor

Moderators: Mohit Kapoor & Thomas Hügle

6:30 PM – 7:00 PM iPSC-Derived Injectable Spheroids and Cartilage Regeneration

Ji Hyeon Ju

7:00 PM – 7:30 PM (Bio) Psychological Network Models of Chronic Joint Pain

Rinie Geenen

7:30 PM – 9:00 PM Opening Reception with Exhibitors

Room: Hall B, Ground Floor

Friday, April 19

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

Room: Hall B, Ground Floor

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

**There is an additional registration fee to attend. Space is limited, please see the registration desk for more information and availability.*

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)

Room: Schubert 4,5,6, 1st Floor

Chairpersons: Gun-il Im & Jean Yves-Reginster

Immunometabolic Alterations Linking Diabetes Osteoarthritis and Osteoporosis
Ali Mobasheri

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

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

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

Room: Schubert 1,2,3, 1st Floor

Chairperson: Thomas Hügler

Single Camera Motion Capture in Osteoarthritis
Melissa Boswell

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

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

Room: Strauss 1,2,3, Ground Floor

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

Room: Lehar 1,2,3,4, Ground Floor



Moderators: Frank Roemer and Thomas Link

- 8:45 AM – 9:25 AM **Interventional Radiology and Treatment of Osteoarthritis**
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 NETWORKING BREAK with EXHIBITORS

Room: Hall B, Ground Floor

10:20 AM – 10:35 AM Theater Session

Room: Stolz 1, Ground Floor



iPPS: Shifting the OA Treatment Paradigm

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

Room: Strauss 1,2,3, Ground Floor



Moderators: Catherine Le Visage & Jeroen Geurts

10:45 AM – 11:25 AM **Update on Joint-on-a-chip in OA**
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

Room: Lehar 1,2,3,4, Ground Floor



Osteoarthritis Therapies: Learning from Failures and Successes

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

Room: Strauss 1,2,3, Ground Floor

Moderators: Jesse Charlton & Michelle Hall

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| 2:00 PM – 2:40 PM | Healing ACL Ruptures without Surgery and Implications for Osteoarthritis
<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

Room: Lehar 1,2,3,4, Ground Floor

Moderators: Jessica Bertrand & Johanna Bolander

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| 2:00 PM – 2:40 PM | Joint Cartilage in Long-Duration Spaceflight
<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

Room: Schubert 4,5,6, 1st Floor



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 & NETWORKING WITH EXHIBITORS

Room: Hall B, Ground Floor



3:30 PM – 4:15 PM

Odd Number Poster Presenters in Front of Their Boards

4:15 PM – 5:00 PM

Even Numbers Poster Presenters in Front of Their Boards

3:45 PM – 4:00 PM Theater Session

Room: Stolz 1, Ground Floor



Aptissen Academy: Navigating Parameters for Orthobiologics Treatment Efficacy

4:10PM – 4:25 PM Theater Session

Room: Stolz 2, Ground Floor



Image Cyto4metry on Bone Sections and Osteoclast Cultures4

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

Room: Strauss 1,2,3, Ground Floor

Moderators: Seungwoo Han & Chunyi Wen

5:00 PM – 5:40 PM Key Signaling Circuits Driving OA Progression

Di Chen

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 Juryneć

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

Room: Lehar 1,2,3,4, Ground Floor



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

Room: Lehar 1,2,3,4, Ground Floor

Chairpersons: Anca Maglaviceanu & Rachell Nelligan

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

**This session is a ticketed event that includes networking amongst peers and mentors, with drinks and hors d'oeuvres. Registration is required. Space is limited. Please arrive on time to the session for check-in.*

6:45 PM – 8:30 PM China Germany Night

Room: Schubert 4,5,6, 1st Floor



This event aims to foster and strengthen the relationship between Chinese and German researchers in the field of osteoarthritis research and provides an excellent opportunity to network with peers and learn about the latest advancements in the field.

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

Offsite: Das Glauhaus Restaurant & Bar

Continue the conversation and networking from the ECI Meet the Mentor Session to the ECI Meet the Mentor Afterparty. This event will take place on **Friday** evening, **8:30 – 10:30 pm**, offsite at the Das Glauhaus Restaurant & Bar.

Das Glauhaus Restaurant & Bar
Am Grünen Prater 11
1020 Wien, Austria

**Space is limited, wristbands to attend this event will be given out to participants of the ECI Meet the Mentor Session. Transportation is not provided by OARSI.*

Saturday, April 20

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

Room: Schubert 1,2,3, 1st Floor

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

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

**7:30 AM – 8:30 AM Breakfast Workshop D:
What is the Relationship Between Pain and Emotions?***

Room: Schubert 4,5,6, 1st Floor

Chairperson: Mona-Dvir Ginzberg

What is the Relationship Between Pain and Emotions?
Gadi Gilam

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

**7:30 AM – 8:30 AM Breakfast Workshop G:
OARSI/ASBMR Joint Workshop***

Room: Stolz 2, Ground Floor

Moderators: Gun-il Im & Jennifer Westendorf

Novel Approaches to Studying Bone and Joints
Hang Lin
Caitlyn Collins

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

8:45 AM – 10:15 AM Concurrent Session 7: Clinical Aspects and Outcomes in OA

Room: Strauss 1,2,3, Ground Floor

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

OARSI 2024 World Congress on Osteoarthritis Program

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

Room: Lehar 1,2,3,4, Ground Floor

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 NETWORKING BREAK with EXHIBITORS

Room: Hall B, Ground Floor

10:20 AM – 10:35 AM Theater Session

Room: Stolz 1, Ground Floor



New Insights in Viscosupplementation Effects on Cartilage Properties Improvement

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

Room: Strauss 1,2,3, Ground Floor

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 Maleitzke

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

Room: Lehar 1,2,3,4, Ground Floor

Chairpersons: Matt Harkey & Brooke Patterson

The Art of the Elevator Pitch

Jackie Whittaker

Erin Macri

Elevator Pitch Examples

Jamie Collins

Tom Appleton

**This session is a ticketed event that includes networking amongst peers and mentors, with lunch provided.*

Registration is required. Space is limited. Please arrive on time to the session for check-in.

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

Room: Strauss 1,2,3, Ground Floor

Moderators: Jean Liew & Nancy Lane

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| 2:00 PM – 2:40 PM | Rediscovering Botulinum Toxin in OA
<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

Room : Lehar 1,2,3,4, Ground Floor

Moderators: Raghu Yammani & Ingrid Meulenbelt

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| 2:00 PM – 2:40 PM | Phagocyte-Induced Fibroblast Gene Activation: Novel Insights in Regenerative Medicine
<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 & NETWORKING WITH EXHIBITORS

Room: Hall B, Ground Floor



3:30 PM – 4:15 PM

Odd Number Poster Presenters in Front of Their Boards

4:15 PM – 5:00 PM

Even Numbers Poster Presenters in Front of Their Boards

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

Room: Strauss 1,2,3, Ground Floor

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

Room: Strauss 1,2,3, Ground Floor

Moderators: Mona Dvir-Ginzberg & Muneaki Ishijima

6:00 PM – 6:10 M

LB-1 SEMAGLUTIDE 2.4 MG EFFICACY AND SAFETY IN PEOPLE WITH OBESITY AND KNEE OSTEOARTHRITIS: RESULTS FROM THE STEP 9 RANDOMISED CLINICAL TRIAL
Henning Bliddal

6:10 PM – 6:20 PM

LB-2 CRYOGENIC PHASE-ENHANCED X-RAY IMAGING OF UNFIXED, INTACT MOUSE KNEES REVEALS SHIFTING CHONDROCYTE PHENOTYPES AT THE OSTEOARTHRITIC ENDOCHONDRAL INTERFACE
Lucinda Evans

6:20 PM – 6:30 PM

LB-3 SERUM INTESTINAL PERMEABILITY BIOMARKERS ARE ASSOCIATED WITH EROSION HAND OSTEOARTHRITIS AND RADIOGRAPHIC SEVERITY: RESULTS FROM THE DIGICOD COHORT
Marie Binvignat

6:30 PM – 6:40 PM

LB-4 POST-TRAUMATIC OSTEOARTHRITIS MODEL IN AGED RATS ASSOCIATED WITH FUNCTIONAL BRAIN CHANGES
Jacob Griffith

6:40 PM – 6:50 PM

LB-5 CR10049, THE FIRST OA-TARGETED KINASE INHIBITOR, IMPROVES PAIN BEHAVIOUR, RESOLVES INFLAMMATION AND PRESERVES JOINT STRUCTURE IN SMALL AND LARGE ANIMAL MODELS
Tiziana Piepoli

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

Offsite: Luftburg – Kolarik in the Prater

Join your fellow OARSI colleagues for a night of fun and networking at the OARSI Offsite Dinner Event! Take advantage of an opportunity to engage with OARSI colleagues across all career stages.

Luftburg – Kolarik in the Prater
[Prater 128, Waldsteingartenstrasse](#)
[1020 Vienna](#), Austria

This event is a ticketed event that includes networking amongst peers and mentors, with dinner and drinks provided.

Please ensure you show your ticket for entrance into the event. Transportation is not provided by OARSI.

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

Sunday, April 21

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

Room: Schubert 4,5,6, 1st Floor

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

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

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

Room: Schubert 1,2,3, 1st Floor

Chairperson: Tonia Vincent

An Introduction to Synovial Fluid and Its Analysis
Tonia Vincent

Using Synovial Fluid to Search for Molecular Endotypes in OA
Thomas Perry

Synovial Fluid Bioactivity to Explore OA Biology
Tim Welting

**There is an additional registration fee and ticket to attend. Space is limited, please see the registration desk for more information and availability.*

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

Room: Lehar 1,2,3,4, Ground Floor

Moderators: Marie Binvignat & 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 Binvignat

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**

Room: Strauss 1,2,3, Ground Floor

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

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 NETWORKING BREAK

Room: Foyer of Strauss 1,2,3, Ground Floor

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

Room: Strauss 1,2,3, Ground Floor



Moderators: Jérémie Sellam & Mona Dvir-Ginzberg

10:30 AM – 10:45 AM **OA Clinical: Epidemiology and Therapy**
Alice Courties

10:45 AM – 11:00 AM **Imaging**
Daichi Hayashi

11:00 AM – 11:15 AM **Rehabilitation & Outcomes**
Belinda Lawford

11:15 AM – 11:30 AM **Biomechanics in OA**
Annegret Mündermann

11:30 AM – 11:45 AM **Biomarkers**
Ron K. June

11:45 AM – 12:00 PM **Genetics, Genomics, and Epigenetics**
Cindy Boer

12:00 PM – 12:15 PM **OA Biology**
Frank Zaucke