

BREAKING BARRIERS
THROUGH MULTI-DISCIPLINARY RESEARCH

OARSI 2024

WORLD CONGRESS ON OSTEOARTHRITIS

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



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EXPERIENCE!**

  TAG #OARSI2024



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OARSI 2024

WORLD CONGRESS ON OSTEOARTHRITIS

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WELCOME MESSAGE

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
OARSI President

Jérémie Sellam,
MD, PhD
Congress Chair

**Mona Dvir-
Ginzberg, PHD**
Abstract Chair

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THE OSTEOARTHRITIS RESEARCH SOCIETY INTERNATIONAL would like to thank the corporate supporters of OARSI Initiatives, Meetings and Congress. It is with the support of industry that OARSI can continue its mission to prevent and treat osteoarthritis through the promotion and presentation of research, education, and the worldwide dissemination of new knowledge.



2024 SPONSORS



2024

EXHIBITORS



GENERAL INFORMATION

ONSITE REGISTRATION HOURS

REGISTRATUR, GROUND FLOOR

Wednesday, April 17	3:00 pm – 5:00 pm
Thursday, April 18	6:30 am – 7:30 pm
Friday, April 19	6:30 am – 7:00 pm
Saturday, April 20	6:30 am – 7:00 pm
Sunday, April 21	6:30 am – 12:30 pm

REGISTRATION BADGES

All conference attendees must register for the conference and wear an official OARSI Congress badge for admission to all sessions, the Exhibit Hall, and social events at the Messe Wien Exhibition & Congress Center and offsite. Attendees will be required to show their badge to enter the building each day.

TICKETED EVENTS

BREAKFAST WORKSHOPS*

Concurrent Breakfast Workshops will take place **Friday, Saturday and Sunday morning, 7:30 – 8:30 am**. The workshops are ticketed events that include breakfast. Space is limited. Please see the registration desk for more information and availability.

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



POSTER TOURS*

Four concurrent Poster Tours will take place **Friday** morning, **7:30 – 8:30 am**, in **Exhibit Hall B, Ground Floor**. The Poster Tours are ticketed events that include breakfast.

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

ECI MEET THE MENTOR SESSION


The Early Career Investigator Meet the Mentor Session will take place **Friday** evening, **6:45 – 8:30 pm**, in **Lehar 1-4, Ground Floor**. This session is a ticketed event that includes networking amongst peers and mentors, with drinks and hors d'oeuvres.

Space is limited, please see the registration desk for more information and availability.

ECI MEET THE MENTOR AFTERPARTY

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 Glaushaus Restaurant & Bar.

Das Glaushaus 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. Sponsored by Korea Tourism Organization

ECI LUNCHEON WORKSHOP

The Early Career Investigator Luncheon Workshop will take place **Saturday**, **12:30 – 2:00 pm**, in **Lehar 1-4, Ground Floor**. This session is a ticketed event that includes networking amongst peers and mentors, with lunch provided.

Space is limited, please see the registration desk for more information and availability.




Take advantage of an opportunity to engage with OARS colleagues across all career stages.

OFFSITE DINNER EVENT*

Join your fellow OARS colleagues for a night of fun and networking at the OARS Offsite Dinner Event!

The Offsite Dinner Event will take place **Saturday evening, 7:30 – 10:30 pm, offsite** at the **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 OARS.

**There is an additional registration fee to attend. Additional fee includes unlimited drinks (beer, wine, soft drinks, and water), dinner, and dessert.*

Space is limited, please see the registration desk for more information and availability.



SPEAKER READY ROOM HOURS

Speaker presentations must be uploaded in the Speaker Ready Room **at least 2 hours prior to the start of presentation.**

MEDIA LOUNGE, GROUND LEVEL

Wednesday, April 17	3:00 pm – 5:00 pm
Thursday, April 18	6:30 am – 6:00 pm
Friday, April 19	6:30 am – 6:00 pm
Saturday, April 20	6:30 am – 6:00 pm
Sunday, April 21	6:30 am – 11:00 am

The Speaker Ready Room is provided for presenters to prepare for their presentations and to ensure a seamless integration of a wide variety of audiovisual technologies in the various meeting rooms. By checking in at the Speaker Ready Room and following these simple guidelines, speakers will greatly contribute to the success of the meeting.

OARSI requests all presenters to use **PowerPoint™ Presentations**. All meeting rooms will have presentation computers and will be networked from a central computer located in the Speaker Ready Room.

Presentations will be downloaded from the Speaker Ready Room and sent to the respective meeting room on a secured intranet circuit approximately 45 minutes prior to the start of each session.

Speakers are encouraged and expected to bring their presentation to the Speaker Ready Room where they will have the opportunity to review their presentations or make any last-minute changes. All speakers must check into the Speaker Ready Room.



EXHIBIT HALL HOURS

We have a wide assortment of products and services on display by leading partners in the field of osteoarthritis. Please make time during the meeting to visit the exhibits during their open hours.

EXHIBIT HALL B, GROUND FLOOR

Thursday, April 18	7:30 pm – 9:00 pm <i>Opening Reception</i>
Friday, April 19	10:00 am – 5:00 pm
Saturday, April 20	10:00 am – 5:00 pm

EXHIBITOR DIRECTORY

COMPANY NAME	BOOTH #
Anika Therapeutics	11
Aptissen SA	6
Artialis	7
BiomimX Srl	15
Biomomentum	10
Bioseb	14
Dynamic Matrics Ltd	8
Formation Bio	12
Journal of Rheumatology	13
Korean Society of Cartilage and Osteoarthritis	16
NetHEAVEN (Distributor of Crespine)	17
Novartis	1
SPORLASTIC GmbH	5
TissueGnostics	2
Transpharmation	9
TRB CHEMEDICA International SA	3 and 4



EXHIBITOR & POSTER PRESENTER MOVE-IN AND DISMANTLE HOURS

Poster Presenters will be able to hang their posters on boards by using tape provided by OARSI found at a table at the entrance of Exhibit Hall B. Posters MUST remain on display until 5:00 PM on Saturday, April 20th, at which time authors will be responsible for dismantling. Any posters remaining after 5:30 PM on Sunday will be removed by staff and OARSI cannot be responsible for your poster.

EXHIBIT HALL B, GROUND FLOOR

Move-In

Thursday, April 18

- Exhibitors 10:00 am – 6:00 pm
- Poster Presenters 12:00 pm – 6:00 pm

Dismantle

Saturday, April 20

- Exhibitors 5:00 pm – 7:00 pm
- Poster Presenters 5:00 pm – 7:00 pm

POSTER SESSION HOURS

We invite attendees to view posters during open exhibit hall hours. Poster Presenters will be in front of their boards to hold engaging conversations with attendees during the dates / times listed below.

Poster Sessions sponsored by  **fidia**

EXHIBIT HALL B, GROUND FLOOR

Friday, April 19

3:30 pm – 5:00 pm

- Odd Number Posters 3:30 pm – 4:15 pm
- Event Number Posters 4:15 pm – 5:00 pm

Saturday, April 20

3:30 pm – 5:00 pm

- Odd Number Posters 3:30 pm – 4:15 pm
- Even Number Posters 4:15 pm – 5:00 pm

POSTER CATEGORIES

POSTER #	CATEGORY NAME
83 – 107	Advanced Bioinformatic (AI, Machine Learning, Computational Models, Virtual Reality, Natural Language Processing, etc.)
108 – 138	Beyond Hip and Knee OA (Spine, Hand, Ankle, etc.)
139 – 147	Beyond the Joint: Systemic Context, Co-Morbidities, and Other Organs
148 – 188	Biomarkers
189 – 241	Biomechanics & Gait
242 – 319	Clinical Aspects & Outcomes
320 – 338	Clinical Digital Innovations (eHealth, Digital Health Apps, Motion Detection, Wearable Devices, etc.)
339 – 393	Early stage OA and Prevention
394.1	Emerging Therapeutics (Advanced Materials for Target and Delivery)
394 – 408	Emerging Pre-Clinical Model Systems (Lab-on-a-chip, Nanotechnology, Organoids, etc.)
409 – 431	Emerging Therapeutics (Advanced Materials for Target and Delivery)
432 – 461	Emerging Therapeutics (Cell based)
462 – 481	Epidemiology and Health Economics
482 – 484	Evolution and Development (Including Model Organisms Studies)
484 – 527	Imaging
528 – 587	Joint Related Tissues (Cartilage, Bone, Synovium, Meniscus, Muscle, etc.)
588 – 669	Mechanistic Studies of OA (Metabolism, Cell Signaling, Ageing, Inflammation, Cytokines, Matrix Biology, Cell-Cell Interactions, Mechanobiology, etc.)
670 – 714	Multi-Omics Investigations of OA (Microbiome, Single Cell Analysis, Epigenetics, Genomics, Proteomics, Transcriptomics, Metabolomics, etc.)
715 – 740	Pain: Clinical aspects (Including behavioral and psychological aspects, sex/gender research)
741 – 756	Pain: Mechanistic Insights
757 – 793	Rehabilitation Medicine, Implementation Research and Health Services
794 – 805	Surgical Innovations and Interventional Therapies
806 – 842	Therapeutic Challenges; Non-Pharmacological (Exercise, Physical Therapy, Wearables, etc.)
843 – 868	Therapeutic Challenges; Pharmacological
LB1 – LB98	Late Breaking Abstract



WI-FI

Complimentary Wi-Fi access is available for all OARSI Congress attendees and exhibitors in meeting rooms, foyer space, and exhibit hall.

Connect to network/SSID: OARSI2024

Password: Vienna2024

MOBILE APP

Download the free **OARSI 2024 Mobile App** to get the most from your experience! Available on the Apple App Store, Google Play, and Web Planner.



SCAN THE QR CODE TO
DOWNLOAD THE APP!



CONTINUING EDUCATION (CE) LANGUAGE

JOINT ACCREDITATION STATEMENT



JOINTLY ACCREDITED PROVIDER™
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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.

View the Participant Notification: congress.oarsi.org/accreditation

PHYSICIANS (ACCME) CREDIT DESIGNATION

Amedco LLC designates this live activity for a maximum of 27.50 *AMA PRA Category 1 Credits*™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

PROGRAM FORMATS

The OARSI World Congress provides various program formats over the course of 4 days.

Program formats include:

- Keynote Lectures
- Plenary Sessions
- Concurrent Sessions
- Poster Abstract Presentations
- Breakfast Workshops
- Pre-congress Workshops
- Networking in the Exhibit Hall with Colleagues and Sponsors
- Sponsored Presentations



ABSTRACT EMBARGO POLICY

Accepted abstracts are published in a special supplement of Osteoarthritis and Cartilage. Late-breaking abstracts will be published in the June issue of Osteoarthritis and Cartilage.

FOOD & DRINK FOR PURCHASE

Attendees are encouraged to visit the Exhibit Hall during open Exhibit Hours for complimentary beverages and snacks.

Additional food and beverage items are available for purchase in the following areas of the Messe Wien Exhibition & Congress Center during the following dates / times:

CAFÉ, 1ST FLOOR

Coffee, soda, water, sandwiches, snacks.

Thursday, April 18	11:00 am – 3:00 pm
Friday, April 19	11:00 am – 3:00 pm
Saturday, April 20	11:00 am – 3:00 pm

CAFÉ CART, GROUND FLOOR (OUTSIDE EXHIBIT HALL B)

Coffee, soda, water, sandwiches, snacks.

Thursday, April 18	7:00 am – 5:00 pm
Friday, April 19	7:00 am – 5:00 pm
Saturday, April 20	7:00 am – 5:00 pm

DISCUSSION GROUPS

OARSI's Discussion Groups bring together individuals with a focus on specific OA-related specialty areas. Discussion Groups hold programs open to all registered Congress attendees. All Discussion Group meetings will take place at the Messe Wien Exhibition & Congress Center.


For details on OARSI Discussion Groups and meeting agenda,
<https://oarsi.org/membership/discussion-groups>.

Food and beverage are not provided during Discussion Group meetings.

THURSDAY, APRIL 18

TIME	DISCUSSION GROUP NAME
12:30 – 2:00 pm	Regenerative Medicine in OA, <i>Stolz 1, Ground Floor</i>
12:30 – 2:00 pm	International Foot & Ankle OA Consortium, <i>Stolz 2, Ground Floor</i>
12:30 – 2:00 pm	Post-Traumatic Osteoarthritis, <i>Schubert 1,2,3, 1st Floor</i>

FRIDAY, APRIL 19

TIME	DISCUSSION GROUP NAME
12:30 – 2:00 pm	Human Movement Biomechanics, <i>Schubert 4,5,6, 1st Floor</i>
12:30 – 2:00 pm	Joint Effort Initiative, <i>Stolz 1, Ground Floor</i>
12:30 – 2:00 pm	OA Pain, <i>Stolz 2, Ground Floor</i>
	
12:30 – 2:00 pm	Spinal OA, <i>Business Suite 1,2, 1st Floor</i>
12:30 – 2:00 pm	Multimorbidity, <i>Schubert 1,2,3, 1st Floor</i>

SATURDAY, APRIL 20

12:30 – 2:00 pm	OA Rehabilitation, <i>Schubert 1,2,3, 1st Floor</i>
12:30 – 2:00 pm	Imaging, <i>Schubert 1,2,3, 1st Floor</i>



COMMITTEE MEETINGS

For current and incoming committee members only.

FRIDAY, APRIL 19, 2024

TIME	COMMITTEE MEETING NAME
7:30 – 8:30 am	Engagement, <i>Business Suite 3,4, 1st Floor</i>
7:30 – 8:30 am	Finance, <i>Business Suite 1,2, 1st Floor</i>
7:30 – 8:30 am	Ethics & Governance, <i>Office 1A/1B, 1st Floor</i>

SATURDAY, APRIL 20, 2024

TIME	COMMITTEE MEETING NAME
7:30 – 8:30 am	Research & Training, <i>Office 1A/1B, 1st Floor</i>
12:30 – 2:00 pm	Strategic Alliances, <i>Business Suite 1,2, 1st Floor</i>
12:30 – 2:00 pm	Program Planning, <i>Business Suite 3,4, 1st Floor</i>

SUNDAY, APRIL 21, 2024

TIME	COMMITTEE MEETING NAME
7:30 – 8:30 am	Early Career Investigators, <i>Business Suite 1,2, 1st Floor</i>

JOURNAL MEETINGS

By invitation only

FRIDAY, APRIL 19, 2024

TIME	JOURNAL MEETING NAME
7:30 - 9:00 am	OAC Editors' Meeting, <i>Stolz 1, Ground Floor</i>
12:30 - 1:30 pm	OACO Editors' Meeting, <i>Business Suite 3/4, 1st Floor</i>

SATURDAY, APRIL 20, 2024

TIME	JOURNAL MEETING NAME
7:30 - 9:00 am	OAC Board Meeting, <i>Stolz 1, Ground Floor</i>
12:30 - 2:00 pm	OACO Board Meeting, <i>Stolz 1, Ground Floor</i>

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

Chairpersons: 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 Mechanoflammation 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**

3:45 PM – 3:55 PM

Moderators: Martin Englund & Gun-il Im

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

Hirotaaka Iijima

12:30 PM – 2:00 PM

Satellite Lunch Symposium

ROOM: LEHAR 1,2,3,4, GROUND LEVEL



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 LEVEL

Moderators: Jesse Charlton & Michelle Hall

2:00 PM – 2:40 PM

Healing ACL Ruptures without Surgery and Implications for Osteoarthritis*Stephanie Filbay*

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 LEVEL

Moderators: Jessica Bertrand & Johanna Bolander

2:00 PM – 2:40 PM

Joint Cartilage in Long-Duration Spaceflight*Henning Madry*

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 Mobasher



biosplice



GENASCENCE



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 Presentations in Front of Their Boards

4:15 PM – 5:00 PM

Even Number 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

4:10 PM – 4:25 PM

THEATER SESSION

ROOM: STOLZ 2, GROUND FLOOR


Image Cytometry on Bone Sections and Osteoclast Cultures

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 α 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 Jurynech

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**China Germany Night**

ROOM: SCHUBERT 4,5,6, 1ST FLOOR

THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學九典制药
JIUDIEN PHARMACEUTICAL

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.

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.

**Registration is required. Please arrive on time to ensure you have time to sign in to the session.*

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

OFFSITE: DAS GLAUSHAUS RESTAURANT & BAR

Sponsored by

KOREA
TOURISM
ORGANIZATION
한국관광공사

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 Glaushaus Restaurant & Bar.

Das Glaushaus 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 OARSL.*

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

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

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**

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

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-10_v, 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 EROSIIVE 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

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

ROOM: LEHAR 1,2,3,4, GROUND FLOOR

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***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

ROOM: STRAUSS 1,2,3, GROUND FLOOR

**Concurrent Session 9:
News in Therapies***Moderators: Jean Liew & Nancy Lane*

2:00 PM – 2:40 PM

Rediscovering Botulinum Toxin in OA*Christelle Nguyen*

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: Raghunatha Yammani &
Ingrid Meulenbelt*

- 2:00 PM – 2:40 PM **Phagocyte-Induced Fibroblast Gene Activation: Novel Insights in Regenerative Medicine**
Thomas Lozito
- 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

STRAUSS 1,2,3, GROUND FLOOR

Moderators: Ida Haugen & Ali Mobasher

**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 PM

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 EROSIIVE HAND OSTEOARTHRITIS AND RADIOGRAPHIC SEVERITY: RESULTS FROM THE DIGICOD COHORT
Marie Binvaignat

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*

LUFTBURG - KOLARIK IN THE PRATER

Prater 128, Waldsteingartenstrasse, 1020 Vienna

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.

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

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

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 from 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

LEHAR 1,2,3,4, GROUND FLOOR

Moderators: Marie Binignat & 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 Binignat

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: *Mona Dvir-Ginzberg & Jérémie Sellam*



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



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