

SER **OARSI** **2023** SYMPOSIUM

FROM BIOMARKERS
TO PRECISION MEDICINE
IN KNEE OSTEOARTHRITIS

JUNE 22-23
A Coruña
Spain



SCIENTIFIC COMMITTEE

Francisco J Blanco

Francisco Castro

Gun-il Im

Cristobal Orellana

Cristina Ruiz-Romero



THURSDAY, JUNE 22nd

13.50-14.00 h WELCOME

PART I: BIOMARKERS IN OA

14.00-15.00 h **SESSION 1: Molecular biomarkers for the identification of endotypes in OA**

- 14.00-14.20 h Genetics, Genomics and Epigenetics
To be confirmed
- 14.20-14.40 h Proteomics, Metabolomics and Lipidomics
Ali Mobasheri
- 14.40-15.00 h Discussion and conclusions

15.00-16.20 h **SESSION 2: Molecular biomarkers for the diagnosis and prognosis of OA phenotypes**

- 15.00-15.20 h Genetics, Genomics and Epigenetics
Sarah Rice
- 15.20-15.40 h Mitochondrial genetics
Alejandro Durán
- 15.40-16.00 h Proteomics, Metabolomics and Lipidomics
To be confirmed
- 16.00-16.20 h Discussion and conclusions

16.20-17.00 h COFFEE BREAK & POSTERS

17.00-19.00 h **SESSION 3: Clinical and imaging biomarkers**

- 17.00-17.20 h OA Phenotypes defined by clinical biomarkers
Margreet Kloppenburg
- 17.20-17.40 h Regression to the mean and its importance for pain outcomes in OA clinical trials
Martin Englund
- 17.40-18.00 h Structural Fast Progression
Wolfgang Wirth
- 18.00-18.20 h The Knee Osteoarthritis Prediction (KNOAP2020) challenge
Jukka Hirvasniemi
- 18.20-19.00 h Discussion and conclusions

20.00 h GALA DINNER

FRIDAY, JUNE 23rd

PART II: THERAPY IN OA

09.00-09.50 h **SESSION 4: Presentation of Oral Abstracts**

- 09.00-09.10 h Abstract 1
- 09.10-09.20 h Abstract 2
- 09.20-09.30 h Abstract 3
- 09.30-09.40 h Abstract 4
- 09.40-09.50 h Abstract 5

09.50-10.20 h COFFEE BREAK AND POSTERS

10.20-12.30 h **SESSION 5: Therapy in OA**

- 10.20-10.40 h Senolytics, Senescence, Aging
Martin Lotz
- 10.40-11.00 h Regenerative Therapies/Chondrogenesis Inductors
Gun-il Im
- 11.00-11.20 h Inflammaging and Nutritional treatments
Yves Henrotin
- 11.20-11.40 h Metabolic Therapy
David Hunter
- 11.40-12.00 h New pharmacological therapies for pain and structure modification
Phil Conaghan
- 12.00-12.30 h Discussion and conclusions

12.30-14.00 h LUNCH AND POSTERS

PART III: PRECISION MEDICINE IN OA

14.00-15.20 h **SESSION 6: Pain in OA**

- 14.00-14.20 h Identification of novel targets for osteoarthritis pain
Rachel E Miller
- 14.20-14.40 h Osteoarthritis chronic pain phenotype
Mylene P Jansen
- 14.40-15.00 h Associations between biomarkers of matrix metabolism and inflammation with pain and fatigue
To be confirmed
- 15.00-15.20 h Discussion and conclusions

15.20-16.20 h SESSION 7: Patients and RRI

- 15.20-15.40 h **Point of view of the Dutch Arthritis Foundation**
Corné Baatenburg de Jong
- 15.40-16.00 h **Point of view of OAFI**
Josep Vergés
- 16.00-16.20 h **Discussion and conclusions**

16.20-17.00 h COFFEE BREAK AND POSTERS

17.00-18.00 h SESSION 8: Precision Medicine in Pre-Radiographic OA

- 17.00-17.20 h **Definition of Early OA**
Fiona Watt
- 17.20-17.40 h **Definition of Asymptomatic OA phase (Prevention OA)**
Sebastián de la Cruz Rodríguez
- 17.40-18.00 h **Discussion and conclusions**

18.00-19.00 h SESSION 9: Debate: Is OA ready for precision medicine?

- 18.00-18.20 h **OA is ready to apply for precision medicine**
Rik Lories
- 18.20-18.40 h **It is not time yet for precision medicine in OA**
Simon Mastbergen
- 18.40-19.00 h **Discussion and conclusions**

19.00h CLOSING

SPEAKERS

Corné Baatenburg de Jong
Deputy Director and Manager of Operations
and Funding. Dutch Arthritis Society,
the Netherlands

Phil Conaghan
Department of Rheumatology. Leeds
Teaching Hospitals Trust, United Kingdom

Sebastián de la Cruz
Medical Affairs, ICON, Spain

Alejandro Durán
Department of Rheumatology Investigation.
Instituto de Investigación Biomédica de
A Coruña, Spain

Martin Englund
Clinical Epidemiology Unit. Lund University,
Sweden

Yves Henrotin
Bone and Cartilage Research Unit. University
of Liège, Belgium

Jukka Hirvasniemi
Department of Radiology. Erasmus MC,
the Netherlands

David Hunter
Sydney Musculoskeletal Health Flagship.
University of Sydney, Australia

Gun-il Im
Department of Orthopaedics. Dongguk
University, South Korea

Mylène P Jansen
Department of Rheumatology. University
Medical Center Utrecht, the Netherlands

Margreet Kloppenburg
Department of Rheumatology. Leiden
University Medical Center, the Netherlands

Rik Lories
Department of Development and
Regeneration. KU Leuven, Belgium

Martin Lotz
Department of Molecular Medicine.
The Scripps Research Institute, USA

Simon C Mastbergen
Department of Rheumatology. University
Medical Center Utrecht, the Netherlands

Rachel E Miller
Rush University Medical Center, USA

Ali Mobasheri
Research Unit of Medical Imaging, Physics
and Technology. University of Oulu, Finland

Sarah Rice
Department of Biosciences. Newcastle
University, United Kingdom

Josep Vergés
President and CEO of the Osteoarthritis
Foundation International, Spain

Fiona Watt
Centre for Osteoarthritis Pathogenesis.
Kennedy Institute of Rheumatology, United
Kingdom

Wolfgang Wirth
Department for Imaging and Functional
Musculoskeletal Research. Institute of
Anatomy and Cell Biology, Austria

ABSTRACTS

KEY INFORMATION

- ✓ Your work must be submitted via email at symposiumoarsi@ser.es before 21 May.
- ✓ This submission must include your work attached, and the following fields:
 - ✓ Abstract title
 - ✓ Authors
 - ✓ Hospital/Institution
 - ✓ Body (up to 3.500 characters)
 - ✓ Corresponding author
 - ✓ Corresponding e-mail
- ✓ A confirmation e-mail will be sent to your e-mail address.
- ✓ 5 projects will be selected as oral communications to be presented in SESSION 4 of the Scientific Programme. The remaining abstracts will be presented as posters in the exhibition area.
- ✓ The final evaluation will be communicated to the corresponding author after 29 May.

ABSTRACT FORMAT

- ✓ In the body of the abstract, the character limit is set at 3,500 characters, including text spaces (tables/images are excluded from this character limit).
- ✓ Optionally, you may include a maximum of three images (*.jpg and *.png formats) with a maximum file size of 5MB and a resolution of at least 300 dpi. It will be necessary to include a "reference" in the body text of the abstract that refers to the image/graphic. E.g. (image 1, graphic 1, etc.).

Please note that the deadline for submission is **21 May 2023, at 23.59h (UTC+2)**.

For any assistance regarding your submission, please contact symposiumoarsi@ser.es



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PhD, lab director

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100€

150€

Gala dinner

100€

* Please note that registration fees do not include travel expenses, accommodation and the Gala Dinner

To access the program and complete your registration, please visit the website: www.ser.es/inscripciones/ and complete the [Symposium form](#).

To attend the [Gala Dinner](#) on 22 June, registration on the cited website is required.

For any information related to registration and accommodation of this Symposium please send an email to: uniontours@uniontours.es or contact by phone at +34 93 419 20 30

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Sociedad Española de
Reumatología


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