

Scientific Program

Day 1 – Thursday, October 8, 2026

13:00 – 13:15 Summit Welcome – Daniel Grande (US) (Douro II Plenary)

13:15 – 14:15 Session 1.1 Joint Preservation Updates

Moderators: Daniel Grande (US), Chris Lattermann (US)

- 13:15-13:35 **1.1.1 Moonshot Cartilage Repair / ARPA-H Contract**
Nadeen Chahine (US) & Clark Hung (US)
- 13:35-13:45 **1.1.2 First Presentation of Data from the Richardson / Keele Trial**
Martyn Snow (UK)
- 13:45-13:55 **1.1.3 IMPACT Study**
Daniel Saris (US)
- 13:55-14:05 **1.1.4 What Can we Learn from Biotribology for Cartilage Research**
Rosa Maria Nothnagel (AT)
- 14:05-14:15 **1.1.5 Discussion / Q&A**

14:15 – 14:30: Session 1.2 Special Session

Moderator: Kenneth Zaslav (US)

- 14:15-14:30 **1.2.1 Orthobiologics – Regulatory Updates**
Scott Bruder (US)

14:30 – 15:30 Session 1.3 Meniscus Preservation Strategies: the Translational Frontier

Moderators: Jos Malda (NL) , Kazunori Shimomura (JP)

- 14:30-14:40 **1.3.1 Meniscal Tissue Engineering: From Present Reality to Future Opportunities**
Fabio Sciarretta (IT)
- 14:40-14:50 **1.3.2 The Degenerative Meniscus: A Challenging Environment**
Christopher Nagelli (US)
- 14:50-15:00 **1.3.3 When Meniscus Repair is Not an Option: Alternative Solutions from Meniscal Substitution to Compartment Unloading**
David Flanigan (US)
- 15:00-15:10 **1.3.4 Meniscus Discovery Channel**
Giuseppe Anzillotti (IT)
- 15:10-15:30 **1.3.5 Discussion / Q&A**

15:30 – 16:30 Session 1.4 From Bench to Business: Startup Spotlight

Moderators: Craig Wallace (US), Sabine Schaumann (DE)

- 15:30-15:40 **1.4.1 A Novel 3D Hydrogel Chitosan Matrix for Regeneration of Articular Cartilage Damage**
Pacale Hazot (FR)
- 15:40-15:50 **1.4.2 A Microfluidic Platform for 3D Microtissue Culturing of Next-gen Pre-clinical Models**
Erika Ferrari (IT)
- 15:50-16:00 **1.4.3 A Sustainable Coral Technology to Regenerate Hyaline-like Cartilage**
Ohad Schwartz (IL)
- 16:00-16:10 **1.4.4 A Hydrogel Implant for Enabling Cartilage Recovery**
Leo Smit (NL)
- 16:10-16:20 **1.4.5 A Novel Technology to Harvest Bone Marrow from the Iliac Crest**
Christof Pabinger (AT)
- 16:20-16:30 **1.4.6 Laser Platform for Hyaline Cartilage Regeneration**
Emil Sobol (CH)

16:30 – 17:20 Coffee Break in Exhibition

17:20 – 18:10 Session 1.5 Meniscus Preservation Strategies: The Clinical Challenge

Moderators: Simon Goertz (US), Luca Andriolo (IT)

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| 17:20-17:30 | 1.5.1 The Delphi Consensus
Aaron Krych (US) |
| 17:30-17:40 | 1.5.2 Medial and Lateral Meniscus Root Repair – When?
Emmanuel Papacostas (QA) |
| 17:40-17:50 | 1.5.3 Orthobiologic Injectables and Meniscus
Kristof Sas (BE) |
| 17:50-18:00 | 1.5.4 Meniscus: The Challenging Management in Athletes
Francesco della Villa (IT) |
| 18:00-18:10 | 1.5.5 Discussion / Q&A |

18:10 – 19:10 Session 1.6 Next Gen Session – Career Mentoring

Moderators: Francesca de Caro (IT), Jasmijn Korpershoek (NL)

Panel discussion: Daniel Grande (US), Christian Lattermann (US), Tom Minas (US), Susan Chubinskaya (US), Luis Tirico (BR), Keng Lin Francis Wong (HK)

19:15 – 20:15 Welcome Reception

Day 2 – Friday, October 9, 2026

08:00 – 09:00 Session 2.1 Portugal Meets ICRS Joint Session

Moderators: Daniel Grande (US), Christian Lattermann (US)

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| 08:00-08:10 | 2.1.1 Osteochondral Tissue Engineering and Biofabricated in vitro 3D Models
J. Miguel Oliveira (PT) |
| 08:10-08:20 | 2.1.2 Mosaicplasty. Is This Still an Option in 2026?
João Espregueira-Mendes (PT) |
| 08:20-08:30 | 2.1.3 Biomaterials / Tissue Engineering
Rui Reis (PT) |
| 08:30-08:40 | 2.1.4 Experimental Background on Minced Cartilage
Stefan Nehrer (AT) |
| 08:40-08:50 | 2.1.5 Steering of the Collagen Network
Jos Malda (NL) |
| 08:50-09:00 | 2.1.6 Discussion / Q&A |

09:00 – 10:00 Session 2.2 Novel Therapeutics for Joint Regeneration

Moderators: Ilona Uziliene (LV) & Ramon Cugat (ES)

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| 09:00-09:10 | 2.2.1 Biomaterial Cell Therapeutics
Marcel Karperien (NL) |
| 09:10-09:20 | 2.2.2 Development and IND-approval for the first-in class allogenic pluripotent stem cell derived implant for articular cartilage repair
Dennis Evseenko (US) |
| 09:20-09:30 | 2.2.3 Skeletal Stem Cells
Ting Cong (US) |
| 09:30-09:40 | 2.2.4 iPSC Cells
Ingrid Meulenbelt (NL) |
| 09:40-09:50 | 2.2.5 Matching Technology to Patient in the 2026 Patient Landscape
David Shepard (US) |
| 09:50-10:00 | 2.2.6 Discussion / Q&A |

10:00 – 10:45 Coffee Break / Exhibition

10:00 – 10:45 2.3 Poster Session with Coffee

Poster Walk: Lucienne Vonk (SE), Luis Tirico (BR), Tiago Lazzaretti (BR)

10:45 – 11:45 Session 2.4 Orthobiologics – The Best Injectable

Moderators: Scott Bruder (US), Markus Neubauer (AT)

10:45-10:55	2.4.1 HA – Eurovisco Yves Henrotin (BE)
10:55-11:05	2.4.2 Polynucleotides Kristof Sas (BE)
11:05-11:15	2.4.3 PRP Giuseppe Filardo (CH)
11:15-11:25	2.4.4 Point of Care: Bone Marrow vs Adipose Tissue Elizaveta Kon (IT)
11:25-11:35	2.4.5 Relevance of EVs in OA Andrea De Luna (AT)
11:35-11:45	2.4.6 What is the Consensus? The ESSKA-ICRS Consensus Results Giuseppe Filardo (CH)

11:45 – 12:45 Session 2.5 Orthotinder: Osteochondral Lesions

Moderator: Daniel Saris (US)

11:45-11:50	2.5.1 Orthopaedic Surgeon Looking for a Complex Osteochondral Lesion Repair Deepak Goyal (IN)
11:50-12:00	2.5.2 Osteochondral Scaffolds: Aragonite-based Kenneth Zaslav (US)
12:00-12:10	2.5.3 Osteochondral Scaffolds: Collagen-based Luca Andriolo (IT)
12:10-12:20	2.5.4 Allografts Luis Tirico (BR)
12:20-12:30	2.5.5 Personalized Metal Implants Francesca de Caro (IT)
12:30-12:40	2.5.6 Paste Grafting Update Kevin Stone (US)
12:40-12:45	2.5.7 Winner Selection

13:00 – 13:30 Industry Satellite Symposium Geistlich (Douro V)

13:00 – 13:30 Industry Satellite Symposium Fidia (Douro II)

13:40– 14:10 Industry Satellite Symposium Smith & Nephew (Douro V)

13:40– 14:10 Industry Satellite Symposium Arthrex (Douro II)

14:15 – 15:15 Session 2.6 Orthotinder: Cartilage Regeneration

Moderator: Francesca Vannini (IT)

14:15-14:20	2.6.1 Physicians Needing the Best Cartilage Regeneration Solution Cassandra Lee (US)
14:20-14:30	2.6.2 MACT Mats Brittberg (SE)
14:30-14:40	2.6.3 Minced Cartilage Mike McNicholas (UK)
14:40-14:50	2.6.4 Umbilical Cord Stem Cells Wayne McIlwraith (US)
14:50-15:00	2.6.5 Hydrogels Stephanie Bryant (US)

15:00-15:10 **2.6.6 Harnessing Endogenous Bone Marrow Stem Cells to Augment Articular Cartilage Regeneration – Preclinical and in vivo Assessment**
Mani Vessal (US)

15:10-15:15 **2.6.7 Winner Selection**

15:15 – 16:15 Session 2.7 NextGen Injectables: Should We Abandon Cells and Go with Vesicles or Mitochondria?

Moderators: Michelle Delco (US) & Daniel Grande (US)

15:15-15:25 **2.7.1 Rationale for Mitochondrial TTX**
Michelle Delco (US)

15:25-15:35 **2.7.2 Engineering Next-Generation Vesicles for Cartilage Gene Therapy**
Ambika Bajpayee (US)

15:35-15:45 **2.7.3 Mitochondria for Cartilage Repair**
Michelle Delco (US)

15:45-15:55 **2.7.4 EV's for Joint Homeostasis**
Lucienne Vonk (SE)

15:55-16:05 **2.7.5 The Era of Exosomes**
Lisa Fortier (US)

16:05- 16:15 **2.7.6 Discussion**

16:15 – 16:45 Coffee Break in Exhibition

16:45 – 17:45 Session 2.8 Cartilage Repair in Other Parts of the World

Moderators: Emmanuel Papacostas (QA), Steve Abelow (US)

16:45-16:55 **2.8.1 Asia**
Keng Lin Francis Wong (SG)

16:55-17:05 **2.8.2 Europe**
Philipp Niemeyer (DE)

17:05-17:15 **2.8.3 USA**
Kenneth Zaslav (US)

17:15-17:25 **2.8.4 South America**
Camila Cohen Kaleka (BR)

17:25-17:35 **2.8.5 India**
Deepak Goyal (IN)

17:45-17:45 **2.8.6 Discussion / Q&A**

17:45 – 18:00 Session 2.9 Updates from the ICRS Patient Registry

Theodorakis Marin Fermin (VZ)

18:00 – 18:45 Session 2.10 ICRS and Friends

Moderators: Aaron Krych (US), Elizaveta Kon (IT)

18:00-18:10 **2.10.1 AtiO Meets ICRS – Clinically Relevant Biomechanical Parameters for Cartilage Repair**
Tobias Winkler (DE)

18:10-18:20 **2.10.2 BA Meets ICRS – BARB Updates**
Bert Mandelbaum (US) (pre-recorded)

18:20-18:30 **2.10.3 ISAKOS Meets ICRS – Joint Consensus Projects**
Norimasa Nakamura (JP)

18:30-18:40 **2.10.4 ON – Developing Connections for Research and Education in Joint Preservation**
Daniel Saris (US)

18:40-18:45 **MSc Regenerative Medicine**
Stefan Nehrer (AT), Elizaveta Kon (IT), Andrea De Luna (AT)

19:30-23:00 Faculty Dinner at Casa Ferreirinha (ticket required)

Day 3 – Saturday, October 10, 2026

08:00 – 09:00 Session 3.1 Beyond the Knee: Cartilage Preservation in Other Joints

Moderators: Mike McNicholas (UK), Ozgur Basal (TR)

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| 08:00-08:10 | 3.1.1 IVD
Nadeen Chahine (US) |
| 08:10-08:20 | 3.1.2 Ankle Joint
Jari Dahmen (NL) |
| 08:20-08:30 | 3.1.3 Shoulder
Nicholas Sgaglione (US) |
| 08:30-08:40 | 3.1.4 Hip
Srino Bharam (US) |
| 08:40-09:00 | 3.1.5 Discussion / Q&A |

09:00 – 09:50 Session 3.2 Gene Therapy: Bench to Bedside

Moderators: Laurie Goodrich (US), Lisa Fortier (US)

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| 09:00-09:10 | 3.2.1 Laser-Induced Changes in Structural and Functional Properties of Viable Articular Cartilage
Anna Yaroslavsky (US) |
| 09:10-09:20 | 3.2.2 Gene Therapy for OA and Cartilage Repair
Marta Carratero Hernandez DE) |
| 09:20-09:30 | 3.2.3 Gene Therapy Clinical Trial
Christopher Evans (US) |
| 09:30-09:40 | 3.2.4 Gene Therapy for OA: How the Horse is Leading us to Water....and Allowing us to Drink
Laurie Goodrich (US) |
| 09:40-09:50 | 3.2.5 Discussion / Q&A |

09:50-10:00 Fellowship Presentations

10:00 – 10:45 Coffee Break in Exhibition

10:45 – 12:00 Session 3.3 Joint Preservation: Beyond Cartilage

Moderators: Theodorakys Marin Fermin (VZ), Tom Minas (US)

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| 10:45-10:55 | 3.3.1 How Much Can we Push Surgical Indications? My Most Complex Cases
Tom Minas (US) |
| 10:55-11:00 | 3.3.2 Joint Regeneration and its Role in Overall Health and Related to Inflammation
Christian Lattermann (US) |
| 11:00-11:10 | 3.3.3 Optimizing Outcomes: The Role of Concomitant Surgeries in Cartilage Repair
Philipp Niemeyer (DE) |
| 11:10-11:20 | 3.3.4 Personalizing Cartilage Repair: Factors Beyond Defect Dimensions
Martyn Snow (UK) |
| 11:20-11:30 | 3.3.5 COST NetwOArk
Sylvia Nürnberger (AT) |
| 11:30-11:40 | 3.3.6 Joint Unloading
John Lane (US) |
| 11:40-12:00 | 3.3.7 Discussion / Q&A |

12:00 – 13:00 3.4 Selected Podium Presentations Awards

Moderators: Simon Goertz (US), Susan Chubinskaya (US)

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| 12:00-12:05 | 3.4.1 Introduction to the Award Competition
Simon Goertz (US) |
| 12:05-12:10 | 3.4.2 Validation of a biofunctional non-degradable meniscal scaffold for post-meniscectomy OA prevention in a clinically reflective large animal model
Daniele D'Arrigo (IT) |
| 12:10-12:15 | 3.4.3 Cartilage-centred disease-map analysis links MRI morphology scores to chondrocyte molecular responses in knee osteoarthritis
Suman Muralidharan (DE) |

12:15-12:20	3.4.4 Charge-Reversed Exosomes Enable Deep Cartilage Penetration and Disease-Modifying mRNA Delivery in Osteoarthritis Andrew Selvadoss (US)
12:20-12:25	3.4.5 Metabolic Endotoxemia Induces Sex-Specific Temporomandibular Joint Osteoarthritis via Leptin Signalling in Rats Shipin Zhang (CH)
12:25-12:30	3.4.6 Injury-Activated Chondroprogenitors Mediate Intrinsic Cartilage Repair Linyi Zhu (UK)
12:30-12:35	3.4.7 Voting for the Basic and Translational Science Final
12:35-12:40	3.4.8 Injection of micro-filtered adipose tissue vs placebo for bilateral knee OA: Results of a double-blind RCT Angelo Boffa (IT)
12:40-12:45	3.4.9 Intra-Articular and Subchondral Bmac Injections Vs Intra-Articular Injections Alone For Knee Oa: A Double-Blind Rct at 24-Month Follow-Up Luca De Marziani (IT)
12:45-12:50	3.4.10 Clinical results of a randomized trial comparing different sources and routes of administration of mesenchymal stem cells in the treatment of knee osteoarthritis Carlotta Franceschi (IT)
12:50-12:55	3.4.11 Bone Marrow Aspirate Concentrate Vs Microfragmented Adipose Tissue For The Injective Treatment Of Knee Osteoarthritis: A Prospective Randomized Controlled Trial Lorenzo Zanasi (IT)
12:55-13:00	3.4.12 Voting for the Clinical Research Final

13:00 Congress Closing Remarks: Daniel Grande (US)