

16 January (Wednesday)

8:00 - 12:45	Industry Think Tanks (For Diamond Partners only) 60 Minutes Vericel Think Tank 60 Minutes JRF Ortho Think Tank 60 Minutes Aesculap Think Tank 60 Minutes Zimmer Biomet Think Tank
10:00 - 18:00	Registration
12:00 - 14:00	Lunch (Diamond Partners & GB Members)
14:00 - 18:00	Executive & General Board Meetings
19:00 - 21:00	Welcome Reception / ICE Breaker (For all Summit Participants)

17 January (Thursday)

8:00 - 8:15	Welcome & Introduction (Official Summit Start)
8:15 - 9:15	Session 1: Overview of Orthobiologics <i>Moderator: Gobbi Alberto (IT) Moderator: Lane John (US)</i> 15 min. Orthobiologics & Sports Medicine <i>Mandelbaum Bert (US)</i> 15 min. Physiology & Homeostasis: The Healing Response <i>Rodeo Scott (US)</i> 15 min. The So Called "Stem Cell Tourism" Time for Action <i>Caplan Arnold (US)</i> 15 min. Discussion
9:15 - 10:15	Session 2: The Target <i>Moderator: Vangsness, Jr. C. Thomas (US) Moderator: Abelow Stephen (US)</i> 15 min. Regenerative Orthopedic Medicine: The Interaction of Orthopaedic Medicine & Orthopaedic Surgery <i>Shiple Brian (US)</i> 15 min. Evolving Perspectives in Ortho-Biologic: PRP & BMAC <i>Fortier Lisa (US)</i> 15 min. What is the Target: From the Lab to the Field <i>Grande Daniel (US)</i> 15 min. Discussion
10:15 - 10:45	Coffee Break/Exhibition

- 10:45 - 11:40 **Session 3: Cartilage**
Moderator: Brittberg Mats (SE) Moderator: Nehrer Stefan (AT)
- 15 min. **Growth Factors: 20 Years' Experience**
Cugat Bertomeu Ramón (ES)
 - 15 min. **Cell Based Therapies: 20 Years' Experience**
Minas Tom (US)
 - 10 min. **One or Two Steps: Long Term Results**
Gobbi Alberto (IT)
 - 15 min. **Discussion**
- 11:40 - 12:30 **Session 4: Bone**
Moderator: Rodeo Scott (US) Moderator: Lattermann Christian (US)
- 10 min. **Subchondral Bone: Healthy Soil for Healthy Cartilage**
Adachi Nobuo (JP)
 - 10 min. **Chondrocyte & Bone Activity with Allograft Osteochondral Transplantation**
Bugbee William (US)
 - 10 min. **Bone Marrow Stimulation: New Possibilities with Adipose Tissue**
Sciarretta Fabio Valerio (IT)
 - 20 min. **Discussion**
- 12:30 - 13:30 **Lunch**
- 13:30 - 14:20 **Session 5: Meniscus**
Moderator: Canata Gian Luigi (IT) Moderator: Getgood Alan (CA)
- 10 min. **Early Meniscal Restoration as Prevention of OA**
Lane John (US)
 - 10 min. **Menisci Novel Approach**
Verdonk Peter (BE)
 - 10 min. **Meniscus Scaffolds Long Term Results**
De Caro Francesca (IT) Zaslav Kenneth (US)
 - 20 min. **Discussion**
- 14:20 - 15:20 **Session 6: Ligament & Muscle Healing**
Moderator: Cole Brian (US) Moderator: Karperien Marcel (NL)
- 20 min. **New Bio Therapies for ACL Healing**
Woo Savio (US)
 - 20 min. **Orthobiologics In Muscular Healing**
Huard Johnny (US)
 - 10 min. **Biological Augmentation in ACL Repair**
Gobbi Alberto (IT)
 - 10 min. **Discussion**

15:20 - 16:00	Session 7: Other Sources <i>Moderator: Chubinskaya Susan (US) Moderator: Mandelbaum Bert (US)</i>
10 min.	Amniotic Allogenic Tissue: Cells and Matrix <i>Farr Jack (US)</i>
10 min.	Xenograft <i>Stone Kevin (US)</i>
10 min.	Cultured Human MSC <i>Hui James HP (SG)</i>
10 min.	Discussion
16:00 - 16:30	Coffee Break / Exhibition
16:30 - 17:10	Session 8: Scaffolds <i>Moderator: Papacostas Emmanuel (GR) Erggelet Christoph (CH)</i>
10 min.	Host Environment & Humoral Response to a Scaffold <i>Grigolo Brunella (IT)</i>
10 min.	Bio-Orthopedic & Biomechanical Scaffolds <i>D'Lima Darryl (US)</i>
10 min.	Synovial Derived Stem Cell Based Strategies <i>Nakamura Norimasa (JP)</i>
10 min.	Discussion
17:10 - 18:10	Session 9: New Options <i>Moderator: Decker Rebekah (US) Moderator: Gersoff Wayne (US)</i>
10 min.	Adipose Tissue Derived MSC's <i>Slynarski Konrad (PL)</i>
10 min.	Orthokine <i>Arbel Ron (IL)</i>
10 min.	Umbilical Cord MSCs for OA of the Knee <i>Sadlik Boguslaw (PL)</i>
10 min.	SPRF New Blood Derived Product <i>Nehrer Stefan (AT)</i>
10 min.	Discussion
10 min.	Best Poster Certificates & Scholarship Certificates
19:30 - 22:00	Faculty/Course Dinner (Sold Out)

18 January (Friday)

7:30 - 8:25

Session 10: Orthobiologics NextGen

Moderator: Sherman Seth (US) Moderator: Mithoefer Kai (US)

- 10 min. **Orthobiologics & Athletes**
Chahla Jorge (US)
- 10 min. **Back to the Field**
Sherman Seth (US)
- 10 min. **New Approach to Hip Disorders**
Whyte Graeme (US)
- 10 min. **Cartilage Treatment Algorithm in the Elite Athlete**
Krych Aaron (US)
- 15 min. **Discussion**

8:25 - 9:15

Session 11: Tendons

Moderator: McCormack Robert (CA) Moderator: Hurtig Mark (CA)

- 15 min. **Orthobiologics In Tendons**
Saris Daniel BF (US)
- 10 min. **Rotator Cuff Muscle Degeneration and Strategies for Regeneration**
Ward Samuel (US)
- 10 min. **Ortho-biologic Use in Shoulder Problems**
Cole Brian (US)
- 15 min. **Discussion**

9:15 - 9:45

Coffee Break / Exhibition

9:45 - 10:35

Session 12: Orthobiologics and the Non-Surgical Clinician

Moderator: Saris Daniel BF (US) Moderator: Goyal Deepak (IN)

- 15 min. **Rationale of Ortho-biologic**
Tuan Rocky (US)
- 10 min. **Regenerative Medicine: The Orthohealing Experience**
Sampson Steven (US)
- 10 min. **From Surgery to the Field**
Della Villa Stefano (IT)
- 15 min. **Discussion**

10:35 - 10:55

Session 13: Regulatory & Other Issues

Moderator: Gambardella Ralph (US) Moderator: Marlovits Stefan (AT)

- 10 min. **Orthobiologics and Regulatory Limitations Copy**
Gambardella Ralph (US)
- 10 min. **Consideration of Religious Sentiments while selecting a Biological Product for Cartilage Therapy**
Goyal Deepak (IN)

10:55 - 11:05

Short Break

11:05 - 11:55

Session 14: The Giant Round Table

Moderator: Lane John (US) Moderator: Gobbi Alberto (IT) Panelist: Caplan Arnold (US) Panelist: Peterson Lars (SE) Panelist: Rodeo Scott (US) Panelist: Shiple Brian (US) Panelist: Tuan Rocky (US) Panelist: Gersoff Wayne (US)

- 50 min. **2 Questions Each**
Zaslav Kenneth (US) Nakamura Norimasa (JP) Mandelbaum Bert (US)

11:55 - 12:00

Closing Remarks

Speaker: Gobbi Alberto (IT)