5 February (Wednesday)

10:00 - 18:30  Registration Think Tank

12:30 - 19:00  Biologic Association Think Tank (upon invitation only)

12:30 - 14:00  Session 1
Moderator: Farr Jack (US)
12:30 - 13:00  Kimera: Chondrogenic Exosome Hydrogel for Articular Cartilage Regeneration
Sanders Jason (US)
13:00 - 13:30  Organogenesis: Amniotic Suspension Allograft Improves Pain and Function in Osteoarthritis - The Evidence
Mowry Katie (US)
13:30 - 14:00  Samumed: Lorecivivint: A First-in-Class, Disease-Modifying Drug Candidate for Knee Osteoarthritis.
Tambiah Jeyanesh (US)

14:00 - 14:30  Break

14:30 - 16:00  Session 2
Moderator: Farr Jack (US)
14:30 - 15:00  Lipogems: Micro-fragmented Adipose Tissue: Basic Science and Clinical Evidence
O’Connell Julie (US)
15:00 - 15:30  Orthopedic Stem Cell Research Lab, Regenerative Medicine Institute, Cedars-Sinai: Identification of Cell and Protein Biomarkers in PRP to Improve Individual Pain Outcomes in Knee OA
Sheyn Dmitriy (US)
15:30 - 16:00  Regenacell Therapy: Marrow Cellution Device And The CellFUSE - Bone Graft Substitute
Chabot Jeff (US)

16:00 - 16:30  Break

16:30 - 18:00  Session 3
Moderator: Farr Jack (US)
16:30 - 17:00  Keck School of Medicine of USC: Evaluation of Engraftable Human Pluripotent Stem Cell-Derived Chondrocytes in a Long-Term Preclinical Pig Model of Focal Cartilage Injury
Evseenko Denis (US)
17:00 - 17:30  Bioventus: Preclinical Characterization and Clinical Development Plans for PTP-001, a Novel Human Tissue Biologic in Development For The Treatment of Osteoarthritis.
Pavesio Alessandra (US)
17:30 - 18:00  Biorez: The First Look at BioBrace™, a New, Fully Resorbable, Bioactive Tissue Regeneration Scaffold For The Repair of Ligament and Tendons
Rocco Kevin (US)
Closing & Happy Hour
Presenter: Farr Jack (US) Presenter: Mandelbaum Bert (US) Presenter: Dragoo Jason (US)

6 February (Thursday)

6:30 - 18:00 Registration Biologic Association Summit
7:30 - 9:30 Module 1 - Biologics: What is Currently Available?
Moderator: Frank Rachel (US) Moderator: Sherman Seth (US)
07:30 - 07:45 1.1 The Importance of the Biologic Association
Mandelbaum Bert (US)
07:45 - 08:00 1.2 Platelet Rich Plasma
Cole Brian (US)
08:00 - 08:15 1.3 Bone Marrow Concentrate
Muschler George (US)
08:15 - 08:30 1.4 Adipose Cellular Therapy
Dragoo Jason (US)
08:30 - 08:45 1.5 Amniotic Cellular Therapy
Tokish John (US)
08:45 - 09:00 1.6 Short and Long Acting Cortisone: Are they Still Current?
Sherman Seth (US)
09:00 - 09:15 1.7 Viscosupplementation
McIntyre Louis F. (US)
09:15 - 09:30 Questions & Answers

9:30 - 10:00 Coffee Break
10:00 - 12:00 Module 2 - Regulatory Process and Ethical Implications
Moderator: Piuzzi Nicolas (US) Moderator: Vangsness, Jr. C. Thomas (US)
10:00 - 10:15 2.1 Overview of Regulatory Process
Anz Adam (US)
10:15 - 10:30 2.2 Implications of Off-Label Promotion to Your Practice
and Reputation: Staying Out of Trouble
Bruder Scott (US)
10:30 - 10:45 2.3 Nomenclature Challenges
Murray Iain (UK)
10:45 - 11:00 2.4 Rogue Stem Cell Clinics and Complications
Halbrecht Joanne (US)
11:00 - 11:15 2.5 Expansion and Culture: What Does This Mean and Why Can’t We Do It?
Leucht Philipp (US)
11:15 - 11:30 2.6 Successes, Dead-Ends, and Open Questions in Biologics
Research from the Basic Science Perspective
Chubinskaya Susan (US)
11:30 - 11:45 2.7 Past Present and Future of “Stem Cells”
Caplan Arnold (US)
11:45 - 12:00 Questions & Answers / Discussion

12:00 - 13:00 Lunch Break
Module 3 - Clinical Applications
Moderator: Zaslav Kenneth (US) Moderator: Tokish John (US)
13:00 - 13:15 3.1 Tendonitis (LE, Patellar, Achilles)
   Dragoo Jason (US)
13:15 - 13:30 3.2 Osteoarthritis
   Chu Constance (US)
13:30 - 13:45 3.3 Tendon Tears (Hamstring, Elbow UCL)
   Tokish John (US)
13:45 - 14:00 3.4 Augmentation to Surgery - ACLR
   Mandelbaum Bert (US)
14:00 - 14:15 3.5 Augmentation to Surgery - Rotator Cuff
   Cole Brian (US)
14:15 - 14:30 3.6 Augmentation to Surgery - Cartilage Repair
   Minas Tom (US)
14:30 - 14:45 3.7 Augmentation to Surgery - Scaffolds
   McIntyre Louis F. (US)
14:45 - 15:00 3.8 Biologics in Athletes - What Should We Do In-Season?
   Jones Kristofer (US)
15:00 - 15:15 Questions & Answers / Discussion

Coffee Break

Module 4 - Office Logistics and Billing
Moderator: Dragoo Jason (US) Moderator: Zaslav Kenneth (US)
15:45 - 16:00 4.1 PRP in the Office - How I Do it & How I Code
   Cole Brian (US)
16:00 - 16:15 4.2 BMC in the Office - How I Do it & How I Code
   Saris Daniel BF (US)
16:15 - 16:30 4.3 Adipose in the Office - How I Do it & How I Code
   Halbrecht Joanne (US)
16:30 - 16:45 4.4 BMC in the OR - How I Do it and How I Code
   Gomoll Andreas (US)
16:45 - 17:00 4.5 Adipose in the OR - How I Do it and How I Code
   Dragoo Jason (US)
17:00 - 17:15 Questions & Answers / Discussion

Module 5 - The Biologic Association
Moderator: Dragoo Jason (US) Moderator: Mandelbaum Bert (US)
17:15 - 17:30 5.1 BA Website Presentation
   Dragoo Jason (US)
17:30 - 17:45 5.2 Advocacy and Biologics
   Halbrecht Joanne (US)
17:45 - 18:00 5.3 Repository and Registry
   Tokish John (US)
18:00 - 18:15 5.4 Development of Best Practice (Real Time Dashboard,
   How do we Review Literature in Real Time)
   Frank Rachel (US)
18:15 - 18:30 5.5 Summary of the Think Tank
   Farr Jack (US)
19:30 - 22:00  BA Faculty/Course Dinner

7 February (Friday)

7:00 - 12:00  Registration Biologic Association Summit

7:30 - 9:30  Module 6 - Presentations by the Biologic Association Summit

Moderator: Frank Rachel (US)  Moderator: Sherman Seth (US)

07:30 - 07:40  6.1 Current Landscape in Orthobiologics
Dragoo Jason (US)

07:40 - 07:50  6.2 The Future of Orthobiologics
Mandelbaum Bert (US)

07:50 - 08:00  6.3 Orthobiologics Registry - Opportunity or Challenge?
Maloney William (US)

08:00 - 08:15  6.4 Orthobiologics in Tendon (RCR, LE Examples)
Cole Brian (US)

08:15 - 08:30  6.5 Orthobiologics in Muscle
Huard Johnny (US)

08:30 - 08:45  6.6 Orthobiologics in Cartilage Repair
Gobbi Alberto (IT)

08:45 - 09:00  6.7 Orthobiologics in Early OA
Zaslav Kenneth (US)

09:00 - 09:15  6.8 Orthobiologics in Bone
Anz Adam (US)

09:15 - 09:30  Questions & Answers / Discussion

9:30 - 9:40  Official BA Summit Adjourn / Break

9:40 - 12:00  Module 7 - Optional BA/ISMF Ultrasound & Orthobiologics Skills Workshop

Instructor: Batten Casey G. (US)  Instructor: Malanga Gerard (US)  Instructor: Roh Eugene (US)  Instructor: Sampson Steven (US)  Instructor: Yoon Steve (US)

09:40 - 09:55  Intro to Orthobiologics Skills Workshop & Ultrasound Overview
Batten Casey G. (US)

09:55 - 10:00  Transition to Workshop

10:00 - 12:00  Hands-On Workshop: Ultrasound and Orthobiologics Skills Workshop