

Day One – TOBI 2018 Symposium

New Research, Protocol Updates & Networking with Global Field Leaders

- [RESEARCH, INDUSTRY & SCIENCE](#)
 - [DEBATE: STEM CELLS – ASK THE EXPERTS](#)
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-

2:00 PM WELCOME

Welcome & Introduction

Steven Sampson, DO, The Orthohealing Center, Los Angeles, CA

2:05 PM RESEARCH, INDUSTRY & SCIENCE

The Evolution of Biologics into the Orthopedic Mainstream

Allan K. Mishra, MD, Menlo Medical Clinic: Stanford Hospital, Menlo Park, CA

The Future of Regenerative Medicine 2018 – 2030

Robin R. Young, Orthopedics This Week and PearlDiver Technologies, Wayne, PA

60 Years of Cartilage Research in Pittsburgh

Freddie Fu, MD, University of Pittsburgh School of Medicine, Dept. of Orthopedic Surgery, Pittsburgh, PA

The Healing Power of Fat: Plastic Surgery, Regenerative Medicine, and the Science of Adipose Derived Stem Cells

J. Peter Rubin, MD, University of Pittsburgh School of Medicine, Pittsburgh, PA

Platelet Rich Plasma Update: What have we learned? Where are we going?

José Fábio Lana, MD, The Bone and Cartilage Institute, Indaiatuba, São Paulo, BRAZIL

The Biology of Stem Cells: What Stem Cells Can do for Us?

Jason L. Dragoo, MD, Stanford School of Medicine, Redwood City, CA

Advances and Barriers in Evaluating the Efficacy of PRP Treatment for Tendinopathy

James HC Wang, PhD, University of Pittsburgh School of Medicine, Dept. of Orthopedic Surgery, Pittsburgh, PA

Red Blood Cell Rich Bone Marrow Concentrate: Friend or Foe?

Steven Sampson, DO, The Orthohealing Center, Los Angeles, CA

Patient Outcome Data Tracking & Registry

Kwadwo Boachie-Adjei, Regenerative SportsCare Institute, New York, NY

Q&A RESEARCH, INDUSTRY & SCIENCE

4:20 PM Energy Break & Expo

4:50 PM **DEBATE: STEM CELLS – ASK THE EXPERTS**

Is Regenerative Medicine Really Regenerative?

Arnold I. Caplan, PhD, Skeletal Research Center, Cleveland, OH

J. Peter Rubin, MD, University of Pittsburgh School of Medicine, Pittsburgh, PA

Ming-Hao Zheng, PhD, University of Western Australia, Crawley WA, AUSTRALIA

MODERATOR: William D. Murrell, Jr., MD, MSc, Dubai Sports Medicine, UNITED ARAB EMIRATES

5:05 PM **REGULATORY**

Federation of State Medical Boards (FSMB) Regenerative and Stem Cell Therapy Perspective

Scott A. Steingard, DO, Steingard Medical Group, Phoenix, AZ

FDA Guidelines for Regenerative Cellular Therapies, including Autologous Procedures

Amy Dow, JD, Epstein, Becker, Green, Chicago, IL

Q&A REGULATORY

5:35 PM UPPER EXTREMITIES

Autologous Tenocyte Implantation (ATI) Data for Elbow Tendinopathy: Data & Clinical Results

Jeffery Hughes, MD, Sydney Shoulder Research Institute, Chatswood NSW, AUSTRALIA

Bone Marrow Concentrate for Partial Thickness Rotator Cuff Tears: Preliminary Results

Don Buford, MD, Dallas PRP and Stem Cell Institute, Dallas, TX

Q&A: UPPER EXTREMITIES

6:10 PM DEBATE: UPPER EXTREMITY CASE STUDIES

Upper Extremity Case Studies: When, Why & How to Apply Biologics

Danielle Aufiero, MD, Orthohealing, Los Angeles, CA

Don Buford, MD, Dallas PRP and Stem Cell Institute, Dallas, TX

Jason L. Drago, MD, Stanford School of Medicine, Redwood City, CA

Jeffery Hughes, MD, Sydney Shoulder Research Institute, Chatswood NSW, AUSTRALIA

Kristin Oliver, MD, Blue Tail Medical Group, St. Louis, MO

Brian Shiple, DO, The Center for Sports Medicine, Springfield, PA

MODERATOR: **Allan K. Mishra, MD**, Menlo Medical Clinic: Stanford Hospital, Menlo Park, CA

Day Two – TOBI 2018 Symposium

New Research, Protocol Updates & Networking with Global Field Leaders

- [LOWER EXTREMITIES](#)
- [DEBATE: LOWER EXTREMITIES CASE STUDIES](#)
- [BIOLOGICS IN THE ATHLETE & MILITARY](#)
- [DEBATE: BIOLOGICS IN THE ATHLETE](#)
- [NERVES & SPINE](#)
- [LIVE INTERACTIVE POLLS](#)
- [PROTOCOLS & CME REVIEW](#)

9:00 AM WELCOME

Hunter Vincent, DO, UC Davis Medical Center Department of Physical Medicine and Rehabilitation, Davis, CA

9:05 AM LOWER EXTREMITIES

[Hyaluronic acid to Amniotic Suspension Allograft for Osteoarthritis...](#)

Jack Farr, MD, Knee Restoration Center of Indiana, Greenwood, IN

[Biomarkers of Early Osteoarthritis After ACL Injury](#)

Christian Lattermann, MD, University of Kentucky School of Medicine, Lexington, KY

[Intraosseous Injections with Ultrasound-guidance vs Fluoroscopy: Preliminary Data](#)

Nicolás Fiz, MD, Arthroscopic Surgery Unit, Vitoria-Gasteiz, SPAIN

[Tissue as a Treatment Option for Meniscus Tears: A Review of the Current Literature for the Treatment of Meniscal Tears and the Results of 1-year Outcomes Following Ultrasound-guided Injection of Autologous Microfragmented Adipose Tissue](#)

Gerard A. Malanga, MD, New Jersey Sports Medicine, Cedar Knolls, NJ

Knee Treatment of Chondral Defects Using a Biological Matrix

Ramón Cugat MD, PhD, Garcia Cugat Foundation, Barcelona, SPAIN

10:35 AM Energy Break & Expo

11:05 AM LOWER EXTREMITIES

Clinical Application of PRP/BMA Developing Surgical Applications

Adam Anz, MD, Andrews Orthopaedic & Sports Medicine Center, Gulf Breeze, FL

PRP and ATI (autologous tendon cell injection) in Gluteal Tendinopathy: Development of Treatment Algorithm

Ming-Hao Zheng, PhD, University of Western Australia, Crawley WA, AUSTRALIA

Treating Tendinopathy with Laser: Equine Data

MJ Martinelli, DVM, California Equine Orthopedics, San Marcos, CA

Q&A: LOWER EXTREMITIES

11:55 AM DEBATE: LOWER EXTREMITIES CASE STUDIES

Lower Extremity Case Studies: Cells & Surgery When, Why & How?

Adam Anz, MD, Andrews Orthopaedic & Sports Medicine Center, Gulf Breeze, FL

Ramón Cugat MD, PhD, Garcia Cugat Foundation, Barcelona, SPAIN

Jack Farr, MD, Knee Restoration Center of Indiana, Greenwood, IN

Nicolás Fiz, MD, Arthroscopic Surgery Unit, Vitoria-Gasteiz, SPAIN

Christian Lattermann, MD, University of Kentucky School of Medicine, Lexington, KY

Gerard A. Malanga, MD, New Jersey Sports Medicine, Cedar Knolls, NJ

MODERATOR: David C. Karli, MD, MBA, Steadman Clinic, Vail, CO

12:30 PM Lunch, Expo

1:35 PM **BIOLOGICS IN THE ATHLETE & MILITARY**

Orthobiologics in the Continuum of Care in the Athlete: Prevention, Surgical Care and Facilitation of Performance

Bert Mandelbaum, MD, Cedars-Sinai Kerlan-Jobe Institute, Los Angeles, CA

An Athletes Perspective: Overcoming Injuries with Regenerative Medicine

Diego Lugano, Professional Footballer, Uruguay National Team and Brazilian club São Paulo, Canelones, URUGUAY

Moderator and Translator: **Cristina Bertolotto, MD**, David Geffen School of Medicine at UCLA, Los Angeles, CA

Regenerative Medicine in the Department of Defense

Sean Mulvaney, MD, Lt. Colonel, Dept of Defense, Fort Meade, MD

Regenerative Medicine Saving Military Lives

Captain Tom Chaby, Former Commanding Officer of SEAL Team FIVE, Tampa Bay, FL

Physical Therapy Following Orthobiologics Procedures

Tyler Opitz, DPT, SCS, CSCS, BFR, SFMA II, GrastonTech Certified, The Andrews Institute Orthopaedics & Sports Medicine Rehabilitation/Physical Therapy, Gulf Breeze, FL

Q&A: BIOLOGICS IN THE ATHLETE & MILITARY

2:40 PM **DEBATE: BIOLOGICS IN THE ATHLETE**

Professional Team Physicians Debate Biologics for Performance & Recovery

Adam Anz, MD, Andrews Orthopaedic & Sports Medicine Center, Gulf Breeze, FL – Team Physician US Ski & Snowboard Association Teams, Consultant to several MLB & NFL Athletes

Ramón Cugat MD, PhD, Garcia Cugat Foundation, Barcelona, SPAIN – Consultant for Professional European Football Athletes

Bert Mandelbaum, MD, Cedars-Sinai Kerlan-Jobe Institute, Los Angeles, CA – Team Physician: US Men’s National Soccer, UCLA Athletics, Los Angeles Galaxy and Chivas, Chief Medical Officer for World Special Olympic Games and Women’s World Cup Soccer

Luga Podesta, MD, Bluetail Medical Group, Naples, FL – Former Team Physician LA Dodgers and LA Angels, Consultant – U.S. Open Tennis, Major League Baseball Umpires, World Baseball Classic Cirque Du Soleil

Jeremiah W. Ray, MD, FACEP, CAQSM, University of California at Davis, Davis, CA – Head Team Physician for all 23 Intercollegiate Athletic Teams at UC Davis

Mikel Sánchez Álvarez, MD, Arthroscopic Surgery Unit, Vittoria-Gasteiz, SPAIN – Consultant for Professional European Football Athletes

MODERATOR: **Paul D. Tortland, DO, FAOASM, RMSK**, Valley Sports Physicians & Orthopedic Medicine, Glastonbury, CT

3:15 PM Energy Break & Expo

3:45 PM **NERVES & SPINE**

Facial Palsy: A Novel Regenerative Approach to Treatment

Nathan Yokel, MD, MPH, MBA, Regenerative Orthopedics & Sports Medicine (ROSM), Washington, DC

Intraneural and Perineural Infiltrations with PRP in Peripheral Nerve Injuries

Mikel Sánchez Álvarez, MD, Arthroscopic Surgery Unit, Vittoria-Gasteiz, SPAIN

Prospective Investigation of Non-autologous lumbar and cervical Intra-annular Fibrin to Treat Disc Pathology. Intra-discal PRP vs Annular Fibrin Sealing

Kevin Pauza, MD, Regenerative Sportscare Institute, New York, NY

Ultrasound-guided Selective Nerve Root Block in the Cervical Spine with Platelet Releasate and D5W

Brian Shiple, DO, The Center for Sports Medicine, Springfield, PA

Government-Private Partnership for Stem Cell Therapies

Rodrigo Mardones, MD, Clinica Las Condes, Santiago, CHILE

Q&A: NERVES & SPINES

5:20 PM Energy Break & Expo

5:50 PM LIVE INTERACTIVE POLLS

Taking the Pulse of TOBI: Current Utilization of Biologics

Hunter Vincent, DO, UC Davis Medical Center, Davis, CA

6:05 PM PROTOCOLS & CME REVIEW

Protocols: TOBI 2018 Takeaways

Dallas Kingsbury, MD, NYU Langone Medical Center, New York, NY

CME Review: Claim TOBI 2018 Credits

Dallas Kingsbury, MD, NYU Langone Medical Center, New York, NY

6:20 PM CLOSING COMMENTS

Steven Sampson, DO, The Orthohealing Center, Los Angeles, CA