



INTERVENTIONAL PAIN '26

Two-Day Immersive Regenerative Interventional Pain Experience

Ultrasound-Guided MSK Procedures | Fluoroscopy-Guided Spine Biologics | Live Patients | Cadaver Lab

Saturday, May 30, 2026 Select the morning experience that best aligns with your clinical needs.

8:00-8:15	Arrival - Welcome & Coffee
-----------	----------------------------

Ultrasound & Image-Guided Precision Intensive

8:15-9:15	Why use Image Guidance & Ultrasound Fundamentals	Ariana DeMers, DO
9:15-11:15	Image Acquisition on Live Models for MSK Rotation through Knee, Shoulder, Elbow, Ankle	John Knab, MD Thomas Buchheit, MD Navneet Boddu, MD Ashu Goyle, DO Tammy Penhollow, DO
11:15-12:00	Intro to Needle Visualization	Mohamed Osman, MD Ariana DeMers, DO

Adjunctive Technology Demonstrations

9:30-10:30	Shockwave Demonstration	SoftWave
10:30-11:00	MLS Robotic Laser Therapy - Better Medicine, Better Business	CE Laser
11:00-11:30	MLS Robotic Laser Therapy Hands-on Demonstration	CE Laser
12:00-1:00	Faculty Roundtable: Clinical Case Consult Lunch Small Group Discussions Seating per faculty table is limited	John Knab, MD Thomas Buchheit, MD Ashu Goyle, MD Navneet Boddu, MD Tammy Penhollow, DO

Foundational Clinical Track: Building Biologic Competency

1:10-1:20	Opening Remarks	Ariana DeMers, DO
1:20-1:32	From Whole Blood to Healing: Understanding Platelet Biology	Loren Deren, MS, CTBS
1:32-1:43	PRP and the Critical Role of Neutrophils for Healing	Thomas Buchheit, MD
1:43-1:54	Regulatory Foundations: Autologous vs. Allogeneic Therapies	Ariana DeMers, DO

*This agenda is subject to change.

1:54-2:06	Q&A Discussion	Ariana DeMers, DO Thomas Buchheit, MD Loren Deren, MS, CTBS
2:06-2:17	Break	
2:17-2:29	PRP vs Corticosteroid vs Hyaluronic Acid: Mechanisms, Indications, and When Each Matters	Mohamed Osman, MD
2:29-2:40	Biologics for Axial Spine Pain: Targets, Technique, and Patient Selection	Navneet Boddu, MD
2:40-2:51	Patient Readiness in Regenerative Care: A Strategic Framework for Predictable Outcomes	Tammy Penhollow, DO
2:51-3:03	Q&A Discussion	Navneet Boddu, MD Tammy Penhollow, DO Mohamed Osman, MD
3:03-3:14	Break	
3:14-3:26	Understanding Dose in Biologics: Volume, Concentration, and Target Delivery	John Knab, MD
3:26-3:37	Understanding Protein Concentrate: Composition, Mechanism & Clinical Rationale	Ariana DeMers, DO
3:37-3:48	Clinical Foundations of Protein Concentrate: Case-Based Applications	Ashu Goyle, DO
3:48-4:00	Q&A Discussion	John Knab, MD Ariana DeMers, DO Ashu Goyle, DO

Advanced Clinical Track - Spine Focused

1:10-1:20	Opening Remarks	John Knab, MD
1:20-1:32	Next-Generation Protein Concentrates: Advancing Outcomes in Spinal Orthobiologics	John Knab, MD
1:32-1:43	Regenerative Approaches to the Sacroiliac Joint: Bridging Biologics & Interventional Pain	Ashu Goyle, DO
1:43-1:54	Facet-Mediated Pain: From Diagnostic Blocks to Biologic Intervention	Mohamed Osman, MD
1:54-2:06	Q&A Discussion	John Knab, MD Ashu Goyle, MD Mohamed Osman, MD
2:06-2:17	Break	
2:17-2:29	Decoding Orthobiologic Injectates: Platelets, Leukocytes and Total Nucleated Cell Counts	Loren Deren, MS, CTBS
2:29-2:40	PRP and the Critical Role of Neutrophils for Healing	Thomas Buchheit, MD

*This agenda is subject to change.

2:40-2:51	From Side Offering to Signature Program: Scaling Your Orthobiologic Micro Practice into a Predictable Cash-Based	Ariana DeMers, DO
2:51-3:03	Q&A Discussion	Thomas Buchheit, MD Ariana DeMers, DO Loren Deren, MS, CTBS
3:03-3:14	Break	
3:14-3:26	Beyond the Joint Space: Intraosseous Pathology and Bone Marrow Concentrate	Navneet Boddu, MD
3:26-3:48	Beyond the Pain Generator: Functional Unit Architecture in Precision Spine Biologics	Tammy Penhollow, DO
3:48-4:00	Q&A Discussion	Navneet Boddu, MD Tammy Penhollow, DO
4:00-6:00	The RISE Exchange: Faculty & Physician Networking Reception An immersive faculty networking reception designed to foster collaboration, mentorship, and continued clinical dialogue.	All

Sunday, May 31, 2026

8:00-8:30	Arrival - Welcome & Coffee	
8:30-11:30	Procedural Mastery Intensive: Small-Group Cadaver & Processing Lab Rotating small-group stations designed for repetition, precision, and direct faculty access. Cadaveric Needlecraft with Ultrasound Guidance: Knee, Hip, Shoulder/Elbow Cadaveric Needlecraft with Fluoroscopy Guidance: Intradiscal Sacroiliac joint interventions Bone marrow aspiration Intraosseous Access PRP / PC / BMC Processing Hematology Analysis Interpretation	John Knab, MD Thomas Buchheit, MD Ashu Goyle, DO Mohamed Osman, MD Ariana DeMers, DO
11:30-12:30	Building a Sustainable Orthobiologic Practice: Clinical Positioning, Systems, and the Path to Cash-Based Independence	Ariana DeMers, DO
12:30-1:30	Faculty Lunch & Open Dialogue	All
1:30-4:30	Live Patient Demonstrations Watch & learn how real patients are consulted, and treated with Orthobiologics. Treatment rooms with viewing space are on-site. <i>Patient procedures TBD.</i>	Ariana DeMers, DO

*This agenda is subject to change.