

# **American Academy of Orthopaedic Surgeons Devices, Biologics, and Technology Committee**

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# 2024-2028 Strategic Plan

**MISSION:** Serving our profession to provide the highest quality musculoskeletal care.

**VISION:** The trusted leaders in advancing musculoskeletal health.

## 5-YEAR OUTCOME STATEMENT:

Improve musculoskeletal health through collaboration, innovation, and patient focus

### KEY ENABLERS

- **Advocacy:** Advocate to advance high value musculoskeletal health care, and support clinicians and patients to thrive in an evolving health care environment
- **Communication:** Use efficient, bi-directional communication with members, patients, and the MSK community to advance our strategic goals
- **Partnerships:** Use our partnership principles to collaborate across the evolving healthcare landscape to drive greater impact
- **Technology:** Continue to modernize AAOS's technology platforms to offer personalized member experiences

# AAOS Annual Meeting Programming

- AAOS/FDA Town Hall – The Use of Artificial Intelligence in Orthopedic Surgery
- From Garage to Market: A stepwise approach to creating an orthopaedic device
- AAOS/BA Symposium: Orthobiologics in 2025 and Beyond
- OrthoPitch



Each of these events is open attendance for all AAOS Annual Meeting registered attendees

# OrthoPitch: Innovating Orthopaedic Technology

## Overview

- Annual competition for novel orthopaedic products
- Presented by AAOS and MCRA, an IQVIA business

## Structure

- Application: May 1 - August 3, 2024
- Two-round virtual evaluation
- Top 3 finalists present at AAOS 2025

## Judging Criteria

- Impact on practice and patient care
- Market potential
- Regulatory and reimbursement considerations

## Grand Prize

- Recognition as OrthoPitch 2025 winner
- Exposure to key industry stakeholders
- Booth at AAOS 2026 and presentation opportunities



**"OrthoPitch not only provided us with valuable validation, but also generated a wave of media attention - press coverage, podcast interviews, and a huge buzz on social media."**

**Brad Estes, Ph.D, CEO, CytexOrtho - 2024 OrthoPitch Winner**

# Biologics Dashboard

- **Biologics Dashboard**
  - Member-only benefit dashboard designed to simplify finding regulatory information about biologic products
- **Direct Product Name Search**
  - Users can search for specific biologic products directly by names
  - Once selected, the tool automatically applies known filters for the products
- **Streamlined User Experience**
  - Facilitates quicker access to regulatory information
  - Empowers clinicians with efficient decision-making support
- **Auto-Complete Functionality**
  - As users type product names, auto-complete suggestions appear
- [www.aaos.org/biologicsdashboard](http://www.aaos.org/biologicsdashboard)

## Biologics Dashboard

⚠ Disclaimer

📖 Glossary

🖨 Print

🔄 Reset

Begin typing a product name or select any tissue, graft, processing, and/or use in the columns below to apply filters. When all values are defined, the status will be shown automatically.

ortho

→ Ceracell Ortho Foam

→ Ortho-ATI

→ Orthoss

→ ORTHOVISC

→ ORTHOVISC mini

→ OsteoSparx C/OrthoBlast II

→ RICHPLAT ORTHO

		(SVF)	
Adipose	Allograft	Not minimally manipulated: Removal of cells	Homologous use
Adipose	Autograft	Tissue in its original form: Centrifugation or filtration solely to remove debris	Autograft use within the same surgical procedure
Adipose	Autograft	Tissue in its original form: Cleansing, rinsing, sizing and shaping	Autograft use within the same surgical procedure
Adipose	Autograft	Tissue not in its original form: Isolation of cells (SVF); centrifugation or filtration, for cell isolation, cell expansion, cell activation, or	Autograft use within the same surgical procedure

# Device Recall Dashboard

Maintaining this dashboard is an ongoing collaboration with the Committee on Healthcare Safety

Orthopaedics makes up the single largest specialty of medical devices and accounts for approximately 20 percent of all recalls issued by the FDA. It is critical that orthopaedic surgeons understand their role in improving patient safety through device surveillance.

The goal of the Device Recall Dashboard is to provide orthopaedic surgeons with timely recall information that will ensure the quality of patient care and protect the health and well-being of their patients.

[Arthroplasty](#) [Foot and Ankle](#) [Hand](#) [Pediatrics](#) [Shoulder and Elbow](#) [Spine](#) [Sports Medicine](#) [Trauma](#)

Search:

Recall Event ID	Manufacturer Name	Product Name	Specialty	Recall Date	FDA Device Number	Recall Class	Manufacturer's Reason for Recall
89092	Conventus	<a href="#">Flex-Thread™ Distal Fibula Intramedullary</a>	Foot and Ankle	1/3/22	<a href="#">K202858</a>	2	Mating incompatibility between the Inserter Shaft and the Inserter Draw Rod causing the inserter draw rod to bind and not rotate freely





# Arnold Caplan Award

- Arnold Caplan: Pioneer in orthobiologics and MSCs passed away in early 2024
- Family donated \$250,000 for an endowment to fund an annual research award in his honor
- Applications
  - Open: September 2, 2024
  - Close: November 3, 2024

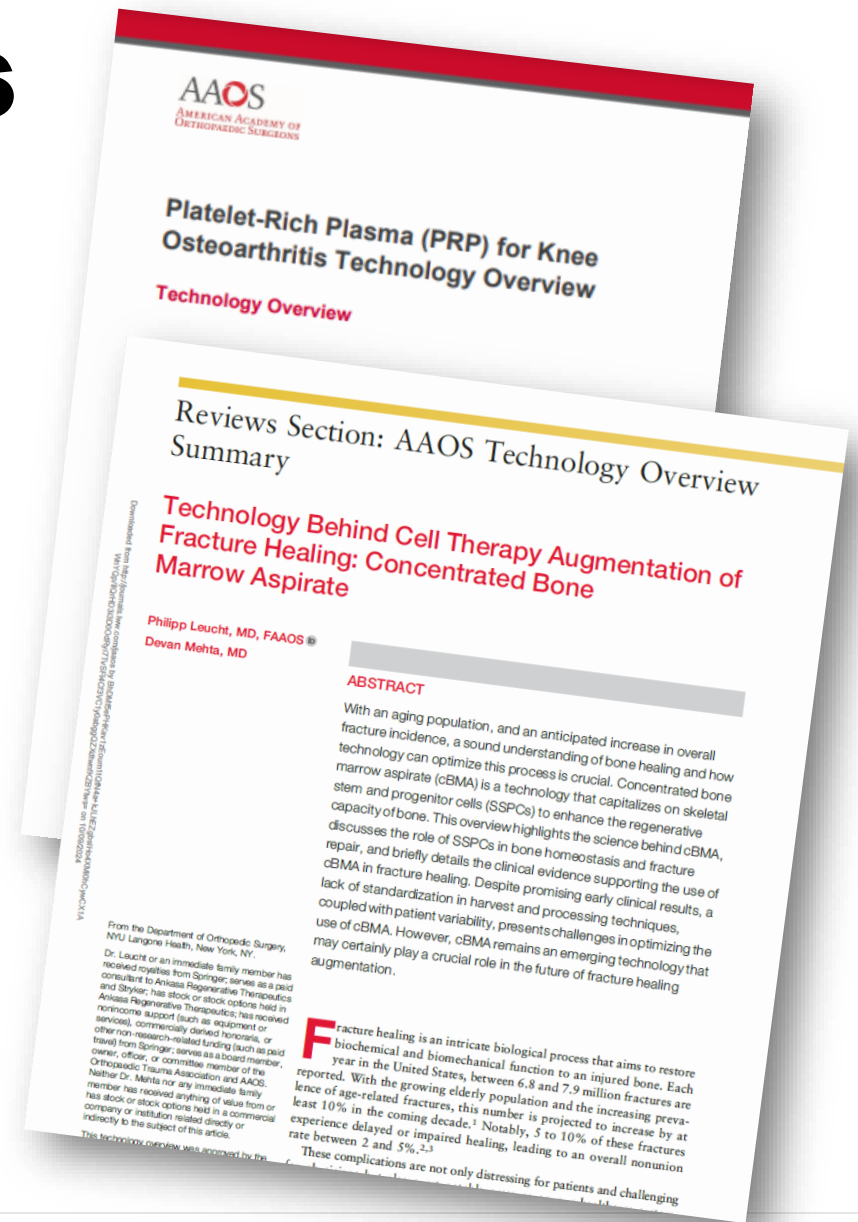
## Review Criteria

- Scientific Originality in the Field
- Communication and Influence Across Disciplines
- Translation of Science to Products in Commercial Development and/or Approved by FDA
- Leadership of Clinical Translation
- Education of Stakeholders such as FDA, CMS, Payers and Gov't Officials



# Technology Overviews

- Topics within the purview of the Committee on Devices, Biologics, and Technology.
- Focus: Describing technology, basic science, regulatory considerations, and practical considerations
- Publication: Published in the Journal of the American Academy of Orthopaedic Surgeons (JAAOS)





# OrthoInfo Patient-centered Resources

- **Published**

- Helping Fractures Heal (Orthobiologics) (Reviewed 2022)
- Platelet-Rich Plasma (PRP) (Reviewed 2022)
- Spinal Injections (Reviewed 2022)
- Orthobiologics FAQ ([orthoinfo.org](http://orthoinfo.org)) (New 2023)
- Use of Stem Cells in Orthopaedics (New 2024)
- Steroid Injections (Updated 2024)

- **In Development**

- Medical Tourism



# Engagement

We'd love to hear from you!

Email us at: [biologics@aaos.org](mailto:biologics@aaos.org)



**Join us for OrthoPitch!**

- **Tuesday, March 11, 2025**
- **San Diego**
- **Beverages - 5:30 p.m.**
- **Program - 6 p.m.**
- **No additional fee for registered AAOS Annual Meeting attendees**