

# Faculty

William E. Garrett, Jr, MD, PhD, Co-Chair

Laurence D. Higgins, MD, Co-Chair

Lennox K. Archibald, MD, FRCP

Steven P. Arnoczky, DVM

Bernard R. Bach, Jr, MD

William D. Bugbee, MD

Brian J. Cole, MD, MBA

Allan E. Gross, MD, FRCS(C)

Christopher D. Harner, MD

Stephen M. Howell, MD

Michael J. Joyce, MD

Bert R. Mandelbaum, MD

David R. McAllister, MD

Anthony Miniaci, MD

Frank R. Noyes, MD

Lonnie E. Paulos, MD

Scott A. Rodeo, MD

C. Thomas Vangsness, Jr, MD

René Verdonk, MD, PhD

Martha A. Wells, MPH

Gerald R. Williams, Jr, MD

Supported by



# Soft Tissue Allografts in Orthopaedics: Science and Application

*January 15 -16, 2005*

*Hilton Atlanta  
Atlanta, Georgia*



The American Orthopaedic  
Society for Sports Medicine

# Faculty

William E. Garrett, Jr., MD, PhD, Co-Chair  
*Duke University*

Laurence D. Higgins, MD, Co-Chair  
*Duke University*

Lennox K. Archibald, MD, FRCP  
*Regeneration Technologies, Inc.*  
(formerly with the Centers for Disease  
*Control and Prevention*)

Steven P. Arnoczky, DVM  
*Michigan State University*

Bernard R. Bach, Jr., MD  
*Rush University*

William D. Bugbee, MD  
*University of California, San Diego*

Brian J. Cole, MD, MBA  
*Rush University*

Allan E. Gross, MD, FRCS(C)  
*University of Toronto*

Christopher D. Harner, MD  
*University of Pittsburgh*

Stephen M. Howell, MD  
*University of California, Davis*

Michael J. Joyce, MD  
*Cleveland Clinic*

Bert R. Mandelbaum, MD  
*Santa Monica Orthopedic Group*

David R. McAllister, MD  
*University of California, Los Angeles*

Anthony Miniaci, MD  
*Cleveland Clinic*

Frank R. Noyes, MD  
*Cincinnati Sportsmedicine*

Lonnie E. Paulos, MD  
*Advanced Orthopedics & Sports Medicine*

Scott A. Rodeo, MD  
*Hospital for Special Surgery*

C. Thomas Vangsness, Jr., MD  
*University of Southern California*

René Verdonk, MD, PhD  
*Ghent University (Belgium)*

Martha A. Wells, MPH  
*US Food & Drug Administration*

Gerald R. Williams, Jr., MD  
*University of Pennsylvania*

**SATURDAY, JANUARY 15, 2005**

8:00am–4:30pm

## **The Basic Science of Allografts**

- Allografts: Where's the Beef? (Garrett)
- Safety (Vangsness)
- Sterilization Processes: Where We've Been, Where We're Going, State-of-the-Art (Arnoczky)
- Effects of Irradiation on Tissues (Noyes)
- Effects of Other Sterilization Processes on Tissues (Paulos)
- Host-Graft Interaction (Arnoczky)
- Infectious Diseases (Archibald)
- Procurement (Joyce)
- Regulatory Issues (Wells)

## **Applications I: Ligament Allografts**

- Applications/Indications (Bach, McAllister, & Paulos)
- Results (Harner & Howell)

## **Applications II: Meniscal Allografts**

- Applications/Indications/Patient Selection (Rodeo)
- Techniques (Cole & Harner)
- Results (Noyes & Verdonk)
- Advances in Imaging (Verdonk)

## **Sawbones® Workstations and Demonstrations**

**SUNDAY, JANUARY 16, 2005**

8:00am–12 noon

## **Applications III: Shoulder Allografts**

- Applications/Indications/Techniques/Results (Miniaci & Williams)

## **Applications IV: Osteochondral Allografts**

- Applications/Indications/Methods/Results (Bugbee & Gross)
- Alternatives (Mandelbaum)

## **Workshop Summary: Applications and Research**

- Panel Discussion: Case Example (Higgins)
- Wrap-Up/Summary of Workshop/Knowns and Unknowns/Future Directions in Allograft Research (Garrett)

## GENERAL INFORMATION

### Description

This workshop is designed to critically examine the scientific evidence regarding the safety and efficacy of musculoskeletal allograft tissue. In addition, the meeting will explore factors such as costs, rehabilitation, patient satisfaction, physician time and regional differences that influence the use of allografts. Finally, the program will include a practical component that will cover applications, techniques and results with different types of allograft tissues. Participants will be given the opportunity to observe and practice procedures that are discussed.

### Statement of Need

The American Orthopaedic Society for Sports Medicine (AOSSM) has determined a need for this continuing medical education program based on practice statistics, the professional literature, and a survey of members of the AOSSM Research Committee. The content of this course was based on current issues presented in professional journals and by AOSSM membership and leadership.

### Target Audience

This workshop should prove most valuable to any surgeon, allied health professional, or researcher with an interest in recent developments with soft tissue allografts in orthopaedic surgery.

### Program

The American Orthopaedic Society for Sports Medicine attests that the person(s) responsible for the development of this educational activity did so independently and were not influenced by commercial supporters.

### Course Objectives

Upon completion of this course, participants should be able to:

- Identify three current controversies in the use of soft tissue allografts
- Compare and contrast the major processes for tissue sterilization
- Apply the indications and applications for ligament, meniscal, shoulder, and osteochondral allografts to surgical cases
- Describe the outcomes achieved by the use of differing techniques and types of allograft tissues
- Understand some of the factors influencing decisions to utilize allografts

### Accreditation

The American Orthopaedic Society for Sports Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The American Orthopaedic Society for Sports Medicine is recognized by the National Athletic Trainers' Association Board of Certification, Inc. to provide continuing education for Certified Athletic Trainers.



### AMA/PRA:

The American Orthopaedic Society for Sports Medicine designates this educational activity for a maximum of 10 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA category 1 credit.

The American Orthopaedic Society for Sports Medicine designates this educational activity for a maximum of 10 Continuing Education Units for Certified Athletic Trainers. Each trainer should claim only those continuing education units that he/she actually spent in the activity.

### Disclaimer

The material presented in this continuing medical education program is being made available by the American Orthopaedic Society for Sports Medicine (AOSSM) for educational purposes only. This material is not intended to represent the only, nor necessarily the best, methods or procedures appropriate for the medical situation discussed, but rather is intended to present an approach, view, statement, or opinion of the authors or presenters, which may be helpful, or of interest, to other practitioners.

### Faculty

A complete listing of the faculty is included in this preliminary program. Any and all faculty disclosures will be provided in the Final Program, which will be distributed at the meeting to all program participants.

**This meeting is supported by an educational grant from Regeneration Technologies, Inc.**

## Registration

On-site registration will be available for a surcharge of \$50 added to the pre-registration fees.

### On-site registration hours will be as follows:

Friday, January 14, 2005	3:00pm to 6:00pm
Saturday, January 15, 2005	7:00am to 4:30pm
Sunday, January 16, 2005	7:30am to 12:00pm

## Refund Policy

A written request must be received in the AOSSM office prior to December 15, 2004. The registration fee, minus a \$25 processing fee, will be refunded following the workshop. No refunds will be made after December 15, 2004.

## Location

The workshop will be held at the Hilton Atlanta. With a central location in downtown Atlanta, the hotel offers easy access to shopping, culture, restaurants and other attractions. In addition, Hartsfield International Airport is only 12 miles away—approximately a 15-minute drive. On-site entertainment abounds with Trader Vic's® and Nikolai's Room®, the first four-star restaurant in downtown Atlanta. In addition, the hotel has a full-service Fitness Center with tennis courts, jogging track, swimming pool, and a basketball court.

## Housing

A block of rooms has been reserved at the Hilton Atlanta. Please make your reservations by calling 877/667-7210. Please identify yourself as an attendee of the AOSSM Allograft Meeting or reference code OSS. Room availability and rates are guaranteed until December 14, 2004. Please make your reservations prior to that date. Room rates are \$149 Single and \$169 Double.

Reservations can also be made online at [www.atlanta.hilton.com](http://www.atlanta.hilton.com). Complete the travel information and enter the Group/Convention Code: OSS.

Your patronage of the Hilton Atlanta makes it possible for AOSSM to secure the space needed for this event at a greatly reduced cost and helps to defray other significant costs of the meeting. When attendees do not stay at the Headquarters Hotel, the Society often incurs attrition fees, ultimately affecting the costs of services provided by AOSSM. Meeting attendees staying at the Hilton Atlanta will receive a discounted registration fee. Refer to the registration form for details.

## Travel

Association Travel Concepts (ATC) is the official travel agency for this meeting. Make your reservations from one of the following options:

Toll Free:	800/458-9383
Web:	<a href="http://www.atcmeetings.com/aossm">www.atcmeetings.com/aossm</a>
E-mail:	<a href="mailto:reservations@atcmeetings.com">reservations@atcmeetings.com</a>
Fax:	858/362-3153

United Airlines flights qualify for a meeting discount. Call United at 800/521-4041 or your travel agent and mention Meeting ID#514IB. Take an additional 5% off if you purchase your ticket at least 60 days in advance.

## Cocktail Reception

On Saturday, January 15, 2005 there will be a cocktail reception for all attendees and faculty from 5:30pm–6:30pm at the Hilton Atlanta.

## Continental Breakfast

Continental breakfast is provided one-half hour prior to the day's scheduled commencement.

## Lunch

Lunch will be provided on Saturday and is included in your registration fee.

## Questions

American Orthopaedic Society for Sports Medicine  
6300 N. River Rd., Suite 500  
Rosemont, IL 60018  
P: 847/292-4900 or (toll free) 877/321-3500  
F: 847/292-4905  
Email: [aossm@aossm.org](mailto:aossm@aossm.org)

# Advance Registration Form

# Soft Tissue Allografts in Orthopaedics: Science and Application

January 15–16, 2005  
Hilton Atlanta—Atlanta, Georgia



The American Orthopaedic  
Society for Sports Medicine

Phone: 847/292–4900 Fax: 847/292–4905

## ADVANCE REGISTRATION CLOSES DECEMBER 15, 2004.

On-Site registration will be available for a surcharge of \$50 added to the pre-registration fees.

Name \_\_\_\_\_ Degree \_\_\_\_\_  
Mailing Address \_\_\_\_\_  
City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_ Country \_\_\_\_\_  
Office Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

## FEE SCHEDULE: All fees below are listed in US Dollars.

	Stay at Hilton	Other Hotel**
WORKSHOP FACULTY	NO FEE _____	\$50 _____
RESIDENT/FELLOW/ALLIED HEALTH PROFESSIONAL	\$150 _____	\$200 _____
PHYSICIAN – AOSSM MEMBER	\$200 _____	\$250 _____
PHYSICIAN – NON-MEMBER	\$250 _____	\$300 _____
TOTAL FEE ENCLOSED:	_____	_____

## PAYMENT IS REQUIRED WITH THE SUBMISSION OF THE REGISTRATION FORM.

Return form with check payable to: AOSSM, P.O. Box 74613, Chicago, IL 60675–4613. Your cancelled check is your receipt.

If you prefer, you may charge your registration and fax this form to 847/292–4905.

Visa       Mastercard       American Express

Name on card \_\_\_\_\_

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_

Signature \_\_\_\_\_

## NOTE: Requests for refunds must be received in writing in the AOSSM office by December 15, 2004.

All refunds are subject to a \$50 non-refundable processing fee. No refunds will be issued after December 15, 2004.

\*\* As noted in the preliminary program, meeting attendees staying at the Hilton Atlanta will receive a \$50 discount on the workshop registration fee.

You may register online at [www.sportsmed.org](http://www.sportsmed.org)



The American Orthopaedic  
Society for Sports Medicine

6300 N. River Rd., Suite 500  
Rosemont, IL 60018  
847/292-4900

NONPROFIT ORG.  
US POSTAGE  
PAID  
DES PLAINES, IL  
PERMIT NO. 192

Visit [www.sportsmed.org](http://www.sportsmed.org) to register online!  
Registration deadline is December 15, 2004