



# ACADEMY OF SURGICAL RESEARCH

## 21st Annual Meeting

September 15-17, 2005

Philadelphia Wyndham at Franklin Plaza  
Philadelphia, PA

### *About the Academy:*

In 1982, forward thinking scientists concerned about incomplete communication across the disciplines of surgical investigation founded the Academy of Surgical Research. The society fosters interdisciplinary transfer of ideas and theories by offering a common platform through which the reporting of valid surgical research efforts is a reality.

The Academy of Surgical Research was founded to:

- Encourage, foster, promote and advance professional and academic standards, education, research and development in the arts and sciences of experimental surgery.
- Promote, initiate, support, and accomplish academic and practical educational programs, cooperative research, and development in experimental surgery in the public interest.
- Promote humane use and treatment of experimental animals and prevent their use when other means can bring about the same scientific results.
- Cooperate with medial organizations, other scientific organizations, governmental agencies, and other interested parties in establishing, reviewing, and evaluating ethics, theories, practices and research and promotion of the product of surgical research for clinical application.
- Encourage the advancement of the field of surgery in all aspects, including research, education and critical promotion of research products for clinical applications.

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# 21st Annual Academy of Surgical Research Meeting

Philadelphia Wyndham at Franklin Plaza • Philadelphia, PA • September 15-17, 2005

## Thursday, September 15

- 10:00 – 6:00 Registration – *Mezzanine Foyer*  
1:00 – 4:00 Board of Directors Meeting – *Salon 2*  
1:00 – 5:00 SRS Exam – *Salon 1*  
5:00 – 7:00 Exhibit Hall Grand Opening Reception –  
*Philadelphia Ballroom*

## Friday, September 16

- 7:30 – 8:30 Continental Breakfast – *Philadelphia Ballroom*  
8:30 – 8:40 “Welcoming Announcements” Matthew Flegal,  
Academy of Surgical Research - *Wyndham*  
*Ballroom A*  
8:40 – 9:40 **Featured Presentation, Sponsored by MPI**  
**Research:** “Translational Research: Getting from  
the Bench to the Bedside” Steven Paul Arnoczky,  
Wade O. Brinker Endowed Professor of  
Veterinary Surgery, Director, Laboratory for  
Comparative Orthopaedic Research, Professor of  
Orthopaedic Surgery, College of Human  
Medicine, Professor of Surgery, College of  
Osteopathic Medicine, Michigan State University  
- *Wyndham Ballroom A*  
9:40 – 10:30 Surgical Case Studies - *Wyndham Ballroom A*  
10:30 – 10:45 Break and Visit the Exhibitors – *Philadelphia*  
*Ballroom*  
10:45 – 11:00 “Surgical Research Specialist Program Update”,  
Jonathan Schantz, Chair, Academy of Surgical  
Research SRS Program Committee - *Wyndham*  
*Ballroom A*  
11:00 – Noon **Douglas Cromeens Memorial Lecture:**  
“Microsurgery” Robert F. Hoyt, Jr., Chief, Lab of  
Animal Medicine and Surgery, NHLBI, NIH -  
*Wyndham Ballroom A*  
12:00 – 4:00 Journal of Investigative Surgery Editorial  
Luncheon/Meeting with Taylor and Francis  
(invitation only) – *Salon 2*  
Noon – 1:30 Lunch with Exhibitors – *Philadelphia Ballroom*

## Radiotelemetry Session

- 1:30 – 1:50 “Ferret Radiotelemetry: Failures and Successes”  
Matthew Flegal, Veterinary Surgical Services,  
Pfizer Corporation – *Wyndham Ballroom A*  
1:50 – 2:10 “Techniques for Multiple Pressure Measurements  
by Radiotelemetry” Michael Stonerook, Safety  
Pharmacology, Battelle – *Wyndham Ballroom A*  
2:10 – 2:30 “Cardiovascular Telemetry Implantation in 62  
Laboratory Beagles” Richard Rockar, Veterinary  
Sciences, Bristol-Myers Squibb Pharmaceutical  
Research Institute – *Wyndham Ballroom A*  
2:30 – 2:40 Break – *Wyndham Ballroom A Foyer*

## Non-human Primate ECG Optimization Mini-Session

- 2:40 – 3:00 “Cardiovascular Telemetry Implantation in 56  
Cynomolgus Macaques” Richard Rockar,  
Veterinary Sciences, Bristol-Myers Squibb  
Pharmaceutical Research Institute - *Wyndham*  
*Ballroom A*  
3:00 – 3:20 “Adventures with Pericardial ECG Leads in the  
Cynomolgus Monkey” Steven Kuhlman,  
Veterinary Surgical Services, Pfizer Corporation –  
*Wyndham Ballroom A*  
3:20 – 3:40 “Methods for Reducing Radiotelemetry ECG  
Artifacts in Dogs and Primates” Michael  
Stonerook, Safety Pharmacology, Battelle –  
*Wyndham Ballroom A*  
3:40 – 4:00 “Echocardiography Screening of Cardiovascular  
Radiotelemetry Animals” Matthew Flegal,  
Veterinary Surgical Services, Pfizer Corporation –  
*Wyndham Ballroom A*  
4:00 – 4:20 “A Pilot Locking Solution Study” Sponsored by  
Access Technologies – *Wyndham Ballroom A*  
4:20 – 4:40 “Method to Induce Atrial Fibrillation in the  
Conscious Dog” Nina Ahlstrom, Astra Zeneca –  
*Wyndham Ballroom A*  
4:40 – 5:30 Poster Judging – *Philadelphia Ballroom*  
5:30 – 7:30 **Awards Reception – Philadelphia Ballroom**

## Saturday, September 17 - Breakout Track #1 - Philadelphia Ballroom North

- 8:00 – 8:30 Continental Breakfast – *Mezzanine Foyer*
- 8:30 – 8:50 “Neuromonitoring in a Porcine Model of Acute Hepatic Failure” Nils R. Fruhauf, University Hospital Essen, Department of General Surgery and Transplantation
- 8:50 – 9:10 “Evaluations of OP-1 Induced Bone Healing Using a Plated Rat Femoral Shaft Osteotomy Model”, Hamed Benghuzzi, University of Mississippi Medical Center
- 9:10 – 9:30 “Role of Herapin on the TNF-Alpha and IL-6 after Partial Liver Regeneration” Mahmut Can Yagmurdu, Baskent University Faculty of Medicine, Department of General Surgery
- 9:30 -9:50 “Haemodynamic Performance of the Ventrasist Left Ventricular Assist Device in Relation to the Native Cardiac Cycle” Judy Cooper, Veterinary Science, University of Melbourne
- 9:50 – 10:00 Break – *Mezzanine Foyer*

### The Surgical Regulatory Environment Session

- 10:00 – 10:40 “The CRO Regulatory Environment” Richard Streeton, Director of Regulatory Affairs, Charles River Laboratories
- 10:40 – 11:00 “Surgical Regulations, a QA Perspective” Lori Rush, Validation Specialist, Quality Assurance, WIL Research Laboratories
- 11:00 – 11:20 “Setting up a Surgery Program in a Pharmaceutical Company” Steven Kuhlman, Veterinary Surgical Services, Pfizer Corporation
- 11:20 – 11:40 “The Hospital Regulatory Environment and Surgical Research” Luis H. Toledo-Pereyra, Professor of Surgery and Director of Research, Michigan State University
- 11:40 – Noon “Government Regulation of Animal Experimentation - A UK Perspective” Heather West, Head of Recovery Surgery, Pfizer Corporation
- Noon – 1:30 **ASR Annual Meeting Luncheon – Wyndham Ballroom A**

### New Technologies: Ultrasound

- 1:30 – 2:20 “The Use of Endoscopy in Exotic Species”, Joerg Mayer, Dr. Med. Vet., M.Sc. Clinical Assistant Professor Head of Exotics Service Tufts University Cummings School of Veterinary Medicine
- 2:20 – 3:10 “Introduction to Ultrasound” Elizabeth McIlwain, Toshiba Medical Systems
- 3:10 – 3:40 “Ultrasound and Experimental Surgery” N. Bari Olivier, DVM, PhD, Associate Professor of Cardiology, Diplomate ACVIM-Cardiology, Michigan State University, College of Veterinary Medicine
- 3:40 – 4:30 “Surgical Applications for Ultrasound” Elizabeth McIlwain, Toshiba Medical Systems

## Saturday, September 17 - Breakout Track #2 - Philadelphia Ballroom South

- 8:30 – 9:30 **Featured Presentation, Sponsored by MPI**  
**Research:** “Selecting Animal Models for Musculoskeletal Research” Steven Paul Arnoczky, Wade O. Brinker Endowed Professor of Veterinary Surgery, Director, Laboratory for Comparative Orthopaedic Research, Professor of Orthopaedic Surgery, College of Human Medicine, Professor of Surgery, College of Osteopathic Medicine, Michigan State University
- 9:30 – 9:50 Break – *Mezzanine Foyer*

### Pain Management Session

- 9:50 – 10:50 “Laboratory Animal Analgesia: Providing Individual Care on a Mass Scale” Laurie Sorrell Raschi, University of Pennsylvania
- 10:50 – Noon “Molecular, Cellular, and Physiological Biomarkers of Pain” Norman C. Peterson, Matthew D. Servinsky, and Gayle Page Department of Comparative Medicine, School of Medicine, Johns Hopkins University
- Noon – 1:30 **ASR Annual Meeting Luncheon – Wyndham Ballroom A**
- 1:30 – 1:50 “Surgical Technique for a Portal Venous Port System in Swine” Gernot M. Kaiser, University Hospital Essen, Department of General Surgery and Transplantation
- 1:50 – 2:10 “A Comparison of Three Surgical Methods of Creating Left Ventricular Hypertrophy in Rats” Randall Pielemeier, MPI Research
- 2:10 – 2:30 “Bilateral Versus Unilateral Aorto-Iliac Artery Versus Iliac Vein Bypass Grafts in Pigs” H. Vince Mendenhall, Charles River Laboratories
- 2:30 – 2:50 Break – *Mezzanine Foyer*
- 2:50 – 4:30 **Technician Breakout Session featuring a discussion of strategies for post-op care in the Non-human Primate**

9:00- 1:00 MIS Wet Lab (Optional) Endoscopic Surgery in Rodents

Thank You to Drexel University & Karl Storz Veterinary Endoscopy for sponsoring the MIS Wet Lab



## Exhibition

Enhance your conference educational and networking opportunities by visiting the industry's premier product and service providers in the Exhibition Hall.

Exhibitors:	Booth #
Access Technologies .....	01
Advanced Sterilization Products.....	02
AVA Biomedical, Inc.....	04
Colonial Medical Supply Company....	10
Covance Research Products .....	05
Data Sciences International .....	06
Instech Solomon .....	08
Karl Storz Veterinary Endoscopy .....	09
Lomir Biomedical Inc. ....	11
Marshall Bioresources .....	03
Smith Medical MD, Inc. ....	12
Toshiba America Medical Systems, Inc. ....	13
Viking Medical Products .....	07

## Exhibit Hours

Thursday, September 15, 2005

Grand Opening Reception: 5:00 pm - 7:00 pm

Friday, September 16, 2005

Breakfast: 7:30 am - 8:30 am

Break: 10:30 am - 10:45 am

Lunch: 12:00 pm - 1:30 pm

## ASR Corporate Partners

The Academy expresses its appreciation to the following corporate partners for their support of ASR in 2005:

Access Technologies  
Charles River Laboratories  
Colonial Medical Supply  
Data Sciences International  
Glaxo Smith Kline  
Lomir Biomedical Inc.  
Merck & Company, Inc.  
MPI Research  
Pfizer Incorporated  
Smith Medical MD, Inc.  
Strategic Applications, Inc.

## CEU Credit

Surgical Research Specialists (SRS) can earn 12 CEU credits of lecture attendance at the 21<sup>st</sup> Annual Meeting.

## Program Goals

At the conclusion of the program, the participants will be able to discuss:

- Proposed and current research efforts in the arena of experimental cardiac, vascular, transplantation, orthopedic and minimally invasive surgery;
- The advantages of required certification of research specialists working in the surgical arena;
- New and updated methods and materials used in human and clinical surgical investigation;
- New procedures that will enhance their own fields of scientific research.

## Program Committee

Kimberly J. Bayer, BS, CVT, LAT, SRS  
- *Charles River Laboratories*

Matt Flegal, BS - *Pfizer Incorporated*

Teresa R. Gleason, SRS - *WIL Research Laboratories, Inc.*

Diann M. Mendenhall, VMT - *Abiomed*

Randy Pielemeier, SRS, LUT, LATG - *MPI Research*

## Registration Hours

Thursday, September 15	10 am - 6 pm
Friday, September 16	7 am - 5 pm
Saturday, September 17	8 am - 12 noon