About the Academy:
In 1982, forward thinking scientist 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.
### Thursday, October 2nd

<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>10:00 – 6:00</td>
<td>Registration - Salon Hallway</td>
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<tr>
<td>1:00 – 5:00</td>
<td>SRS Exam - Room 306</td>
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<tr>
<td>1:00 – 5:00</td>
<td>Board of Directors Meeting - Room 315</td>
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<tr>
<td>1:00 – 5:00</td>
<td>Exhibitor set-up - Salon GH</td>
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<tr>
<td>6:00 – 7:30</td>
<td>Exhibits Grand Opening and Welcome Reception with Markowitz Awardee Lecture and Presentation of Jacob Markowitz Award to Dr. M. Michael Swindle Salons FGH</td>
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<tr>
<td>10:50 – 11:10</td>
<td>Break and Visit the Exhibitors - Salons FGH</td>
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<tr>
<td>11:10 – 12:00</td>
<td>Douglas M. Cromeens Memorial Keynote Address. “Making a Difference: Dr. Douglas M. Cromeens, Veterinary Surgeon” Dr. Kenneth Gray, Director, Veterinary Medicine and Surgery, University of Texas M.D. Anderson Cancer Center, Houston, TX Salons BC</td>
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### Friday, October 3

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 - 5:00</td>
<td>Registration - Salon Hallway</td>
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<tr>
<td>7:00 – 8:00</td>
<td>Exhibits open with continental breakfast - Salons FGH</td>
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<tr>
<td>8:00 – 8:10</td>
<td>Opening of 19th Annual Meeting of ASR: Welcome and Scientific Paper Presentations - Salons BC</td>
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<tr>
<td>8:10 – 8:30</td>
<td>Technique and Preliminary Results from Plating Rat Femoral Shaft Osteotomies. Matthew Graves, Joseph Conflitti, George Russell, Michelle Tucci and Hamed Benghuzzi</td>
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<tr>
<td>8:30 – 8:50</td>
<td>Early Results after ORIF of Bicondylar Tibial Plateau Fractures: Comparison of an Academic Center and A Private Practice Center. Joseph M. Conflitti, Cliff Jones and George Russell</td>
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<tr>
<td>8:50 – 9:10</td>
<td>The Use of Implantable Pumps to Conduct Toxicity Studies Involving Continuous Intracranial Infusion to Beagle Dogs. H. V. Mendenhall and Alan LaRochelle</td>
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<tr>
<td>9:30 – 9:50</td>
<td>Break and Visit the Exhibitors - Salons FGH</td>
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<tr>
<td>9:50 – 10:10</td>
<td>Model Development for CSF Collection in the Dog: Lessons Learned, Steven M. Kuhlman, Matthew Flegal and Donna Waggner</td>
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<tr>
<td>10:10 – 10:30</td>
<td>Advantages to Abdominal Implantation of DSI Transmitters with Internal Iliac Placement of the Pressure Transducer. Randall Pielemeier, Rhonda Pung and Tracie Rindfield</td>
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</tbody>
</table>
Randall Pielemeier, Rhonda Pung, Allan Manus, Mark Johnson, Tracie Rindfield and Wayne Petto

Effects of Medetomidine/Ketamine and Thiobutabarbital on Selected Blood Gas Parameters in Anesthetized Rats. Teresa L. Wright, Glenn Smits and H. V. Mendenhall

Evaluation of Pre-operative Warming of the Patient as a Method to Maintain Normothermia During Surgery. Donna J. Waggoner, Matthew Flegal and Steven Kuhlman

6:45 – 9:00 Awards Buffet Dinner and Presentation of the Awards - Salons BC

Andreas Von Recum Award: Douglas M. Cromeens, DVM

C.W. Hall Award: “The Effect of a Broad-Spectrum Matrix Metalloproteinase Inhibitor on Characteristics of Wound Healing”. Scott A. Klein, MD, PhD, Gary L. Anderson, PhD, Amy B. Kennedy, BA and Sheldon J. Bond, MD

Sauer Award: To be determined based on highest test score for the SRS

Saturday, October 4

8:00 - 12:00 Registration - Salon Hallway

8:30 – 11:30 Wet Lab for Pre-registered Participants: Section 1: Acute Trauma and Post-operative Emergency Surgical Procedures. Section 2: Large Animal Telemetry Methods and Techniques. Washington University Animal Facilities. Transportation provided.

and

Scientific Paper Presentations

“Molecular Biology and Basic Science Aspects of Surgical Research” Salons BC

8:30 – 8:50 Thyrotropin Releasing Hormone (TRH) Potentiates the Metabolic Effect of Norepinephrine (NE) in Warm-acclimated Lean and Obese Rats. Ateegh Al-Arabi and J. F. Andrews

8:50 – 9:10 Identifying the Role of Proteoglycans in Flexor Tenosynovium Obtained During Carpal Tunnel Revision Surgery. Michelle Tucci, Adel Mohamed and Alan Freeland


9:30 – 9:50 Perivascular Inflammatory Cell Infiltrate is a Predictor of the Magnitude of Encephalomyelitis. Adel Mohamed, H. Tarhuni, Hamed Benghuzzi and Michelle Tucci

9:50 – 10:10 Break


10:50 – 11:10 LFABP in Preserved Rat Intestinal Grafts. E. Sonnino, R. S. Cross and O. Tawfik


11:30 – 11:50 ZnCAP Delivery System: The Role of IM, SC and IP Surgical Implantation on Fertility Regulation. Hamed Benghuzzi, Michelle Tucci and Aaron Puckett

11:50 – 12:00 Break

12:00 – 1:00 Annual ASR Business Meeting and Luncheon - Salon FGH

1:00 Meeting Resumes with Scientific Paper Presentations - Salons BC

“Surgical Techniques and Models - II”

1:10 – 1:30 Development of a Sheep Model to Examine Mechanical Remodeling in Atrial Fibrillation. Glenn A. Edwards, Prash Sanders and Jonathan Kalman


1:50 – 2:10 Implantation of the Respiratory Telemetry Device in Beagle Dogs. Darcy Gagne, H. V. Mendenhall, Stephen Wilson and Mark Cunningham


2:30 – 2:50 Break

2:50 – 3:10 Development of an Ovine Model to Evaluate the in vivo Performance of a Rotary Left Ventricular Assist Device. Glenn A. Edwards, Anita van der Meer, Natalie James, John Begg, Donald Esmore, Frank Rosenfeldt, Mark Buckland and John Woodward


3:50 – 4:00 Concluding Remarks and Official Closing of the 19th Annual Meeting

4:15 – 6:00 Post-Conference Board of Directors Meeting - Concierge Lounge
**Exhibition**
Enhance your conference educational and networking opportunities by visiting the industry’s premier product and service providers in the Exhibition Hall.

2003 Sponsor List:
Access Technnologies
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Instech Solomon
Lomir Biomedical Inc.
Marshall Farms USA, Inc.

**Exhibit Hours**
**Thursday, October 2, 2003**
Grand Opening: 6pm - 7:30pm

**Friday, October 3, 2003**
Breakfast: 7am - 8:00am
Break: 9:30am - 9:50am
Break: 10:50am - 11:10am
Lunch: 12:00pm - 1:30pm

**ASR Corporate Partner**
The Academy expresses its appreciation to the following corporate partner for its support of ASR in 2003:

**Corporate Sponsors**
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MPI Research
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**Special thanks to these organizations for their support of the ASR wet-labs:**
Charles River Laboratories
Harlan, Inc.
Oakhill Genetics
Washington University St. Louis
Participating ASR Members and Other Teaching Faculty

**CEU Credit**
Surgical Research Specialists (SRS) can earn 1 1/2 CEU credits per hour of lecture attendance at the 19th Annual Meeting. CEU Report Forms will be available at the registration desk or may be obtained by contacting the ASR office at 952.253.6240.

**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**
Stephen Vore, DVM - East Carolina University
Hamed Benghuzzi, PhD - University MS Medical Center
Steve Kuhlman - Pfizer Incorporated
Jim Manke, CAE - Association Solutions
Michael Talcott - Washington University

**Registration Hours**
**Thursday, October 2**
10am - 6pm

**Friday, October 3**
7am - 5pm

**Saturday, October 4**
8am - 12 noon