



FOUNDATION FOR ANESTHESIA
EDUCATION AND RESEARCH

Five Ways FAER
Strengthens the Medical
Specialty of Anesthesia



2009 Annual Report

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Five Ways FAER Strengthens the Medical Specialty of Anesthesia

2009 Annual Report

January 1, 2009, to December 31, 2009

This report highlights FAER's work to strengthen the medical specialty of anesthesia and the donors who make this work possible. Thank you for supporting FAER's mission to advance medicine through education and research in anesthesiology.



FOUNDATION FOR ANESTHESIA
EDUCATION AND RESEARCH



A Year of Challenge and Triumph

A Message from FAER's Leadership

FAER's dedication to advancing medicine through education and research in anesthesiology never wavered in 2009, despite financial challenges. In partnership with our donors, the FAER Board of Directors found creative ways to continue supporting research grant and career development opportunities that help our specialty nurture the next generation of talented physician scientists and educators.

We were delighted to award more than \$1 million in new research grants in 2009. We received a large number of high-quality grant applications, though we offered just one grant application deadline and eliminated a mentor stipend worth \$40,000 from our Mentored Research Training Grant. The Board also preserved resources by reducing the number of residents participating in the FAER Annual Meeting Resident Scholar Program by roughly 30%.

Each year, we process far more applications for our research grant and education programs than funding can support—clear evidence of their success. As the economy recovers and donor support rebounds, our goal is to restore these programs to their former size.

Things are already looking up. FAER investments are growing again, and a collaboration with the American Society of Anesthesiologists allowed us to launch a new pilot program in 2009. The Practice Management Resident Scholar Program provides CA2 anesthesia residents the opportunity to learn about the intricacies of managing a practice at the ASA Conference on Practice Management. Also, the Medical Student Anesthesia Research Fellowship Program reached an exciting milestone last year, receiving a record 154 applications—a 54% increase over 2008.

We continued to promote the importance of anesthesia education and research in 2009, hosting the FAER Honorary Research Lecture and the FAER Panel as part of the Celebration of Research at the ASA Annual Meeting. Our Academy of Research Mentors in Anesthesiology also launched the FAER Mentoring Excellence in Research Award to highlight the value of outstanding mentors, honoring David Wartier, MD, PhD, as their first awardee.

This report recognizes hundreds of individuals and organizations who contributed to FAER in 2009 to ensure that our grants and programs continue to strengthen the medical specialty of anesthesia. We thank all of our donors for their support. Working together, we will make sure that anesthesiologists receive the education and research opportunities needed to excel in a rapidly changing healthcare environment.

For more information on FAER and the grants and programs outlined in this report, please go to www.f aer.org.



A handwritten signature in black ink, appearing to read "Denham S. Ward".

Denham S. Ward, MD, PhD
FAER Board Chair



A handwritten signature in black ink, appearing to read "Alan D. Sessler".

Alan D. Sessler, MD
FAER President

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Anesthesia Research Grants

FAER's three research grants offer anesthesiologists the opportunity to train in clinical, translational, basic-science or educational research:

- The Research Fellowship Grant (RFG) is a \$75,000, one-year grant awarded in conjunction with clinical training in a residency or fellowship program.
- The Research in Education Grant (REG) is a \$100,000, two-year grant focused on developing innovative techniques for educating anesthesiologists.
- The Mentored Research Training Grant (MRTG) is a \$175,000, two-year grant aimed at developing the skills and preliminary data anesthesiologists need to become competitive independent investigators.

Applications are reviewed by the American Society of Anesthesiologists Committee on Research (RFGs, MRTGs) or the FAER Education Study Section (REGs). Grants are awarded based on scores and available funding.

For more information on FAER grants and the application process, visit www.faer.org.

ASA Committee on Research

Paul R. Knight, III, MD, PhD, Chair
Paul D. Allen, MD, PhD
Michael J. Avram, PhD
Keith A. Candiotti, MD
Marcel E. Durieux, MD, PhD
Lee A. Fleisher, MD
Gyorgy Freundl, MD, PhD
Allan Gottschalk, MD, PhD
Howard B. Gutstein, MD
Hugh C. Hemmings, MD, PhD
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Michael F. Roizen, MD
Theodore J. Sanford, Jr., MD
Armin Schubert, MD, MBA



2009 Mentored Research Training Grant recipient, Michael L. James, MD, in the lab at Duke University Hospital.

2009 Grant Recipients

The FAER Board of Directors approved nine grants in April 2009 worth \$1,125,000:



Dusica Bajic, MD, PhD

Children's Hospital of Boston

MRTG: "Age Differences of Brain Circuits Mediating Morphine Effect and Development of Morphine Tolerance"

Mentor: Kathryn G. Commons, PhD

Co-sponsor: Endo Pharmaceuticals



Matthew D. McEvoy, MD

Medical University of South Carolina

REG: "The Effects of Cognitive Aids on Improving Performance in Simulated High-Stakes Perioperative Events"

Mentor: John J. Schaefer, III, MD



Divya Chander, MD, PhD

Stanford University Medical Center

MRTG: "Probing the Neural Correlates of Consciousness Using Optogenetics"

Mentor: Karl A. Deisseroth, MD, PhD



Stacy L. Fairbanks, MD

Oregon Health and Science University

RFG: "Mechanisms of Sex Differences in Neuronal Survival"

Mentor: Nabil J. Alkayed, MD, PhD



Benjamin T. Houseman, MD, PhD

University of California, San Francisco

MRTG: "Pharmacologic Dissection of the Phosphoinositide-3-Kinase Pathway in Cardiac Preconditioning and Postconditioning"

Mentor: Kevan Shokat, PhD



Michael L. James, MD

Duke University Hospital

MRTG: "Pharmacogenomic Influence of ApoE and Mimetic Peptide on Neurologic Outcomes as a Paradigm for Targeted Therapeutic Development in a Murine Model of Intracerebral Hemorrhage"

Mentors: Daniel T. Laskowitz, MD; David S. Warner, MD

Co-sponsor: ASCCA-FAER-Hospira Physician Scientist Award



James J. Fehr, MD

Washington University School of Medicine

REG: "Skills in Pediatric Anesthesia: A Simulation-Based Assessment Program"

Mentor: David J. Murray, MD



Jason T. Maynes, PhD, MD

Washington University School of Medicine

RFG: "Structural and Biochemical Characterization of Mitochondrial DNA Repair and Cell Survival in Response to Anaesthetics: Role of DNA Pol Gamma and DNA2"

Mentor: Tom Ellenberger, DVM, PhD



Jennifer K. Lee, MD

Johns Hopkins University

RFG: "Cerebrovascular Autoregulation after Pediatric Cardiac Arrest"

Mentor: Raymond C. Koehler, PhD

Co-sponsor: ASCCA-FAER-Hospira Physician Scientist Award

Progress Report: W. Michael Hooten, MD, 2007 FAER Grant Recipient

In 2007, FAER awarded a two-year Research Starter Grant to W. Michael Hooten, MD, to explore “Temporal Changes in Pain Threshold and Tolerance Among Chronic Pain Patients Following Opioid Withdrawal” at the Mayo Clinic in Rochester, MN. He aimed to assess changes in pain perception among adults with chronic pain undergoing medically directed tapering.

Dr. Hooten’s study proved fruitful:

- A significant association between baseline morphine equivalent dose and heat pain perception was observed, whereby adults who were taking greater dosages of prescription opioids for chronic pain had lower, or more hyperalgesic, values of heat pain perception.
- A significant association between the tapered morphine equivalent dose and heat pain perception following opioid tapering was observed, whereby adults who tapered greater dosages of prescription opioids had lower, or more hyperalgesic, values of heat pain perception.
- A standardized value of heat pain threshold was significantly associated with pain severity, whereby adults who had lower, or more hyperalgesic, values of heat pain perception reported greater pain severity.

During his FAER funding period, Dr. Hooten developed and was awarded an R21 from the National Institutes of Health through the National Institute of Drug Abuse, titled “Development of a Cognitive Behavioral Smoking Cessation Intervention for Adults with Chronic Pain.” Dr. Hooten also has two ROI grants related to his FAER research currently under review at the NIH.

Two manuscripts documenting Dr. Hooten’s research are being reviewed for possible publication by “Pain Medicine.”

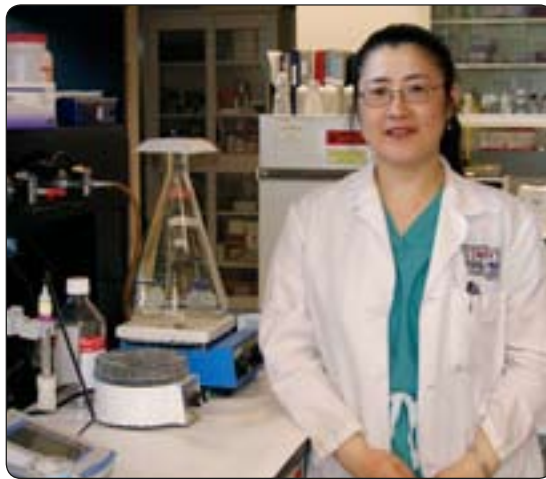
“It is difficult to list the many ways the FAER grant has impacted my career,” said Dr. Hooten. “It gave me the opportunity to conduct research and develop extramural grants with direct mentorship from senior faculty members. FAER is directly responsible for my first NIH grant, and will eventually be responsible for my academic advancement to Associate Professor, and ultimately, to full Professor.”

Dr. Hooten is currently Assistant Professor of Anesthesiology at the Mayo Clinic.



W. Michael Hooten, MD, in the lab at Mayo Clinic in Rochester, MN.

Progress Report: Lixin Liu, MD, PhD, 2007 FAER Grant Recipient



Lixin Liu, MD, PhD, in the lab at Stony Brook University Hospital, Stony Brook, NY.

Lixin Liu, MD, PhD, received a two-year Research Starter Grant from FAER in 2007. Based at Stony Brook University Hospital in Stony Brook, NY, Dr. Liu used her FAER funding to study “Age-Associated Changes in Cardiac Gene Expression Following Anesthetic Preconditioning.”

Dr. Liu’s study hypothesized that (1) early-phase IPC and APC would affect myocardial gene expression patterns differently in young compared with older animals, and (2) IPC and APC in animals of similar age would induce expression of a common set of

preconditioning genes. It led to four important findings:

1. Two types of early-phase preconditioning (IPC and APC) induced different genomic responses in that no evidence could be found that early-phase APC modulates gene expression in either age group.
2. This lack of any significant APC-induced change in gene expression raises the possibility that early-phase APC is caused mainly by a posttranscriptional or posttranslational mechanism.
3. In contrast to APC, early-phase IPC in the young rat heart stimulates expression of immediate response genes and cytokines and chemokines, almost all of which have been shown to confer protection from ischemic injury.
4. The absence of any induced changes in the senescent myocardium (except for *Atf3*) could underlie the failure of IPC to provide any cardiac protective benefit in the older animal.

Dr. Liu completed her FAER research project in July 2009. You can read the complete results of her study in the November 2009 issue of “Anesthesiology” (see *Anesthesiology* 2009; 111:1052–64.)

“FAER gave me confidence,” said Dr. Liu. “I used the time my FAER grant provided to learn a lot about cardiovascular aging and generated experiment data for my NIH application. I believe that FAER has given me a great opportunity to pursue my academic career in this field.”

Dr. Liu hopes to obtain further funding for her research through the NIH or the American Heart Association. She is Clinical Assistant Professor in the Department of Anesthesiology at Stony Brook University Medical Center.



Resident Scholar Programs

FAER offers two anesthesia resident scholar programs that encourage residents to pursue careers in academic medicine and practice management.

Annual Meeting Resident Scholar Program

Annual Meeting Resident Scholar Thomas Scott, MD, with FAER medical students Andrea Miltiades and Xueyuan Wang at the FAER Farewell Reception at the 2009 ASA Annual Meeting in New Orleans, LA.



The FAER Annual Meeting Resident Scholar Program provides \$1,000 educational grants to anesthesiology departments to encourage residents to attend the ASA Annual Meeting, where they learn about the challenges and rewards of a career in academic medicine and interact with leaders in the anesthesia specialty.

With donor support, FAER was able to offer 42 residents the chance to participate in the 2009 Annual Meeting Resident Scholar Program, all of whom were enthusiastic

about the opportunity. “This program has provided me with much motivation in an academic career,” said one 2009 scholar. “It was great to see mentors and anesthesiologists that have become very successful in our field because of their careers in academia and their contributions to the field/literature.” Said another, “...I am currently much more excited about continuing a career in academic medicine and anesthesiology than I was before this year’s ASA Annual Meeting and the FAER Resident Scholar Program.”

Practice Management Resident Scholar Program

Practice Management Resident Scholars Sean Levine, MD, and Sokchea Doeung, MD, enjoy a few minutes of sunshine during a coffee break at the 2009 ASA Conference on Practice Management in Phoenix, AZ.



A collaboration with the ASA Committee on Practice Management, the FAER Practice Management Resident Scholar Program was launched as a pilot program in 2009 to provide \$750 grants to anesthesia departments to encourage residents to attend the ASA Conference on Practice Management. The COPM provides an introduction to basic practice management issues as part of its Saturday Resident Track.

Thanks to strong financial support from the practice management community, 19

resident scholars attended the 2009 COPM through FAER support. One appreciative scholar commented, “I found the experience to be wholly worthwhile; an incredible educational opportunity... these vital facets of our profession are rarely discussed in medical school or residency training...”



The Medical Student Anesthesia Research Fellowship Program

In 2009, FAER's Medical Student Anesthesia Research Fellowship Program provided first-, second- and third-year medical students with 8- to 12-week* summer research experiences at host institutions. Aimed at encouraging careers in anesthesiology and perioperative-medicine research, the program includes participation in research and training activities in the anesthesia department, a dedicated mentor, 15% exposure to clinical anesthesia and an opportunity to make a scientific presentation at the MSARF Symposium at the ASA Annual Meeting.

FAER limited the size of the 2009 program to control costs, which included:

- A \$400-per-week student stipend
- \$1,000 to cover MSARF Symposium expenses
- \$1,000 to offset administrative costs at FAER-funded host institutions*
- ASA membership dues

Many host institutions helped fund the 2009 program by covering the cost of hosting students at their facilities. As a result, 51 students participated in anesthesia-research projects at 35 host institutions across the United States.

*To streamline the MSARF program and reduce costs, beginning in 2010 the length of the research experience will be limited to eight weeks. The \$1,000 stipend previously provided to hosts to offset administrative costs for FAER-funded students will be redirected to hosts who absorb the cost for funding a second student at their institutions.



Donn Dennis, MD, Chair of the FAER Medical Student Anesthesia Research Fellowship Program, poses with medical student Karthik Hiremath during the poster presentation of Hiremath's research project.

Dear Journal: One Student's Account of the MSARF Experience

MSARF participant Matthew Gertsch spent the summer of 2009 with the University of Utah Department of Anesthesiology working on a research project titled, "Does High Intraoperative-Inspired Oxygen (FiO₂) Reduce Postoperative Arterial Oxygen Saturation?" His primary research mentor, Harriet W. Hopf, MD, Professor and Director of Resident Research Training, suggested Gertsch keep a log of his activities to ensure he accomplished his goals and received the required 15% clinical experience. His log blossomed into a journal, which offers an overview of the type of research experience the MSARF program provides. Included here are selected excerpts. To read Gertsch's complete journal, go to www.fair.org.



2009 Medical Student Anesthesia Research Fellowship participant, Matt Gertsch, and his MSARF mentor, Harriet W. Hopf, MD, at the MSARF Symposium at the 2009 ASA Annual Meeting in New Orleans, LA.

Week 1 (May 27-29)

Day One - I was greeted warmly by Dr. Hopf and many of the other anesthesiologists. ... I was given a tour of the facilities and we discussed the details of my project...

Day Two - I ... recruited my first patient into the FiO₂ study. ... Prior to extubation, I arrived in the OR to record necessary data and then followed the patient to the PACU where I gathered more data...

Week 2 (June 1-5)

... I started Monday, Tuesday, and Thursday ... in the hospital consenting patients and speaking with the anesthesiologists about their roles in the study. I enrolled a total of eight patients by the end of the week...

On Wednesday morning, I got set up with the first-year anesthesia residents to practice adverse airway-management techniques on a mannequin in the simulation center. One of the anesthesiologists ... described a real-life scenario and then had all of the residents weigh in on the situation... We then went to the simulation center where that ... scenario was in play. We practiced retrograde intubations and ... learned how to use endobronchial block sets. ... I spent the rest of the day at the Orthopedic Hospital with Dr. Swenson who is an anesthesiologist specializing in regional anesthesia. I was able to see a number of different blocks and I was ... taught how to use the ultrasound for a femoral nerve block. ...

Week 4 (June 15-19)

I spent Monday with a CA-3 resident ... in the end of his transesophageal echocardiogram (TEE) rotation. I had never before been exposed to a TEE, so I loved learning ... how to use it and why ... I also learned ... about the benefits and risks of TIVAs (total intravenous anesthesia), and saw cerebral oximetry in action.

On Friday I spent the day working in OB anesthesia. I saw at least 10 epidurals, five spinals,

continued on page 10

The Medical Student Anesthesia Research Fellowship Program

and five C-sections. The highlight ... was being taught how to do a spinal. ... In addition, I learned about the different cocktails given for regular epidurals, epidurals used for C-sections, and spinal for C-sections. ...

Week 8 (July 13-17)

... I ... worked a lot on my oral research presentation, which I gave in front of the Department of Anesthesiology on Thursday. My mentor was very helpful in my preparation and provided me with several opportunities to practice with her beforehand. ...

Week 9 (July 20-24)

Now that the project is complete, I have been able to work ... on the paper, which we are hoping to get published in "Anesthesiology." ... My mentor spent two hours one-on-one with me this week ... helping me get started. ...

Week 10-11 (July 27-August 7)

...I met with Dr. Cahalan, Chair of Utah's Anesthesiology Department, to get to know him better and to get his advice on what I can do to make myself a more competitive applicant for residency.

...Dr. Hopf and I met one last time to discuss future plans and goals, and to discuss how the summer went.

I had a very positive experience here and I have loved every minute of it. I have learned a tremendous amount about both anesthesia and research...

2009 Medical Student Anesthesia Research Fellowship Host Institutions

Children's Memorial Hospital – Chicago
Cleveland Clinic
Columbia University*
Duke University Medical Center
Emory University School of Medicine*
Massachusetts General Hospital*
Mayo Clinic Rochester
Medical College of Georgia*
Medical College of Wisconsin*
Medical University of South Carolina*
Mount Sinai School of Medicine*
Northwestern University*
Oregon Health & Science University
Stanford University*
SUNY Downstate Medical Center – Brooklyn*
SUNY/Stony Brook*
Thomas Jefferson University
University of Alabama at Birmingham

University of California, Irvine
University of California, San Diego*
University of California, San Francisco*
University of Colorado, Denver*
University of Florida
University of Iowa*
University of Medicine & Dentistry of New Jersey*
University of Miami Miller School of Medicine
University of Michigan
University of Pennsylvania*
University of Pittsburgh*
University of Texas, M.D. Anderson Cancer Center*
University of Utah
University of Wisconsin, Madison
Vanderbilt University*
Washington University*
Weill Cornell Medical College*

**Institution sponsored at least one medical student.*

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The Academy of Research Mentors in Anesthesiology

The FAER Academy of Research Mentors in Anesthesiology promotes the development of new mentors and role models in academic anesthesia, and facilitates the development of educational and research programs for junior faculty. The Academy meets annually and conducts a workshop at the ASA Annual Meeting. The 2009 workshop, “Developing an Academic Career in Quality and Safety Health Services,” explored career paths in quality/safety research, research possibilities and available research funding.

To highlight the value of outstanding mentors, in 2009 the Academy launched the first annual FAER Mentoring Excellence in Research Award, which recognizes the successful development of mentees.

David C. Wartier, MD, PhD: A Model Mentor



David C. Wartier, MD, PhD, First Annual FAER Mentoring Excellence in Research Award Recipient

By Michael M. Todd, MD, Professor and Head, Department of Anesthesia, University of Iowa Carver College of Medicine

David Wartier, MD, PhD, is Professor and Chairman of the Department of Anesthesiology and Professor of Pharmacology and Medicine at the Medical College of Wisconsin in Milwaukee. He is also the deserving recipient of the first annual FAER Mentoring Excellence in Research Award.

Dr. Wartier and I first worked together as editors on the board of “Anesthesiology.” As Editor-in-Chief, I came to rely heavily on him regarding “all things cardiovascular”—and via him, on others at MCW. The next thing I knew, these individuals were quickly moving up the journal ladder, first as reviewers, then as Associate Editors, and eventually as full Editors.

These outstanding MCW reviewers had one thing in common—they had all been nurtured and mentored by Dr. Wartier. One such mentee is Judy R. Kersten, MD, FACC, Professor and Vice Chair and Professor of Pharmacology and Toxicology in the Department of Anesthesiology at MCW. Dr. Kersten completed an Anesthesiology Research Training Grant (T32) fellowship under Dr. Wartier’s guidance in the early ‘90s.

“Dave advised me to develop a plan for acquisition of extramural funding, first through FAER and the American Heart Association, and later by the National Institutes of Health in the form of a KO8, of which Dr. Wartier was mentor,” said Dr. Kersten. “The skills I mastered under Dave’s leadership have culminated in continuous NIH funding of my research since 1997.”

Dr. Wartier’s contributions have had an enormous and very real impact on our specialty. “Many of the best scientists can identify a scientific lineage that traces back to a great mentor,” said Dr. Kersten. “Through his actions as mentor and role model, Dave’s contributions to the advancement of the science and art of anesthesiology are multiplied.”



FAER Celebration of Research Events

In partnership with “Anesthesiology,” the journal of the American Society of Anesthesiologists, FAER sponsors special scientific activities at the ASA Annual Meeting that promote the important role anesthesia education and research plays in keeping the specialty healthy: the FAER Honorary Research Lecture and the FAER Panel.

Ninth Annual FAER Honorary Research Lecture

FAER created the Annual Honorary Research Lecture to recognize outstanding scholarship by an anesthesiologist and to encourage other anesthesiologists to undertake careers in research and teaching. Honored for his energy, creativity, and enthusiasm as a scientist, teacher, editor and mentor, the Ninth Annual FAER Honorary Research Lecturer was Lee Fleisher, MD.



Lee Fleisher, MD,
Ninth Honorary FAER
Research Lecturer

Dr. Fleisher spoke on “Optimizing Perioperative Outcomes: My Journey into Risk, Preferences, Guidelines and Performance Measures.” Dr. Fleisher’s lecture explored: 1) research and methodologies for studying perioperative medicine; 2) the importance of quality of life measures from a patient’s perspective; and 3) roles for guidelines and performance measures in improving perioperative care.

Dr. Fleisher is the Robert D. Dripps Professor and Chair of Anesthesiology and Critical Care and a Professor of Medicine at the University of Pennsylvania School of Medicine in Philadelphia, PA. In addition to publishing more than 200 articles, chapters, and abstracts, he has edited or co-edited several books and monographs, serving as the editor of “Evidence-Based Practice of Anesthesiology” and associate

editor of the 7th edition of “Miller’s Anesthesia.”

Dr. Fleisher is also involved in many guideline processes related to perioperative care. He currently chairs the American College of Cardiology/American Heart Association Task Force on Guidelines for Perioperative Cardiovascular Evaluation for Noncardiac Surgery. He is also a member of the Surgical Care Improvement Project Steering Committee and the Cardiac and Infectious Disease Expert Panels, and was recently inducted into the Institute of Medicine.

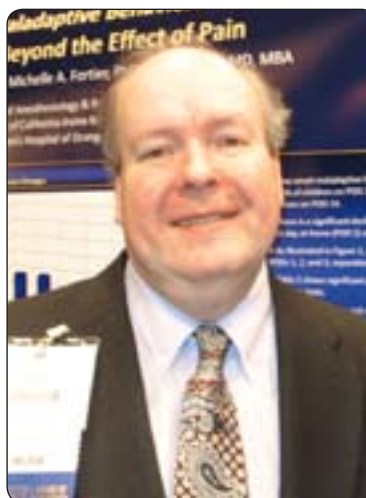
FAER Panel

The 2009 FAER Panel explored “New Technologies to Improve Drug Safety and Efficacy: Implications for the Anesthesiologists.” The panel was moderated by Donn M. Dennis, MD, FAHA, The Joachim S. Gravenstein, MD, Professor in Anesthesiology and Director of Nanomedicine, Departments of Anesthesiology, Psychiatry and Pharmacology & Experimental Therapeutics at the University of Florida College of Medicine in Gainesville, FL.

Panel participants discussed: 1) how medicinal chemistry strategies can be employed to make drugs safer in an a priori manner at the molecular design stage; 2) strategies to solubilize anesthetic drugs (e.g., propofol) in order to create safer drugs; 3) strategies to treat drug toxicity (e.g., local anesthetic-induced cardiotoxicity using lipid-based particles); and 4) strategies to improve drug safety and efficacy by measuring medication adherence using breath-based technologies.

Panelists included:

- Guy L. Weinberg, MD, Professor, Department of Anesthesiology, University of Illinois College of Medicine at Chicago and the Jesse Brown VA Medical Center, Chicago, IL; presenting on “Mitigation of Drug Toxicity: Use of Lipid Particle-based Approaches to Treat Local Anesthetic-induced Cardiotoxicity.”
- Talmage D. Egan, MD, K.C. Wong Presidential Endowed Chair and Professor, University of Utah Department of Anesthesiology, Salt Lake City, UT; presenting on “Novel Drug Solubilization Technologies for Intravenous Anesthetic Development.”
- Peter G. Milner, MD, President, ARYx Therapeutics, Inc., Fremont, CA; presenting on “Novel Medicinal Chemistry Approaches to Design Safer Drugs: Retrometabolic Drug Design.”
- Richard J. Melker, MD, PhD, Professor of Anesthesiology, Biomedical Engineering and Pediatrics, University of Florida, Gainesville, FL; presenting on “Novel Breath-based Technologies to Document Medication Adherence.”



Donn M. Dennis, MD, FAHA,
FAER Panel Moderator



“Funding from FAER was crucial to my attainment of a fellowship from the Brookdale Foundation, an organization dedicated to the development of geriatric expertise.” - Jeffrey H. Silverstein, MD, CIP, Professor of Anesthesiology, Surgery and Geriatrics and Adult Development, Vice Chair for Research, Department of Anesthesiology, Associate Dean for Research, Mount Sinai School of Medicine, New York, NY; 1990 FAER Research Starter Grant Recipient

How to Donate

Help FAER strengthen the medical specialty of anesthesia. Donate today to ensure we can continue to offer the research grant and career development opportunities outlined in this report. FAER would be grateful to accept your gift in any of the following ways:

Online

Go to www.f aer.org and click the orange Donate Now button to make a donation with your American Express, Visa, or MasterCard.

By Mail

Mail a check to:
Foundation for Anesthesia Education and Research
PO Box 157
Rochester, MN 55903

NOTE: Inside this report, you will find an envelope and donation form for this purpose.

FAER’s tax ID number is 52-1494164.

For more information on donating to FAER as an individual, including how to make a bequest, please visit www.f aer.org. For information on corporate sponsorships, please call FAER at 507-266-6866.

2009 Corporate Donors

Platinum Sponsors (\$50,000-\$99,999)



Gold Sponsors (\$25,000-\$49,999)



Silver Sponsors (\$10,000-\$24,999)



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Lippincott Williams & Wilkins
Minrad International, Inc.

Philips Medical Systems
Sheridan Healthcare
Smiths Medical

Sponsors (\$1,000-\$4,999)

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Cook Critical Care
DocuSys, Inc.
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Education Programs

King Systems Corp.
LMA North America
Mainline Medical, Inc.
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Contributors (Up to \$999)

Auditing for Compliance &
Education, Inc.
Boehringer Laboratories, Inc.

Judith Jurin Semo, PLLC
McKesson Corp.
Medical Protective



“A FAER grant provides “instant credibility” and has opened doors that allow me to develop collaborations with and learn from investigators at other institutions.” – Christopher J. Jankowski, MD, Assistant Professor of Anesthesiology, Mayo Clinic, Rochester, MN; 2002 FAER Research Starter Grant Recipient

2009 Private Practice Group/Anesthesiology Department Donors

\$5,000 or More

Anesthesia Medical Group
North American Partners in Anesthesia, LLP
University of Mississippi Medical Center

\$2,000-\$4,999

Anesthesia Healthcare Partners, Inc. (Duluth, GA)
Physician Specialists in Anesthesia, PC (Atlanta)
State University of New York, Buffalo

\$1,000-\$1,999

Anesthesia Associates of Columbus, PA
Anesthesia Services of Benton County PA
Anesthesiology Consultants of Virginia, Inc.
Beth Israel Deaconess Medical Center
CAP Anesthesia, PC
Capitol Anesthesiology Association
Oregon Anesthesiology Group
Providence Anchorage Anesthesia Medical Group, PC
Scott and White Memorial Hospital - Texas A&M College of Medicine
Spectrum Medical Group
University of Oklahoma Health Sciences Center
University of Wisconsin, Madison

University Physicians Healthcare
Wayne State University School of Medicine

Up to \$999

American Anesthesiology of North Carolina
Fast Track Anesthesia Associates
Greater Houston Anesthesiology, PA
Griffin Anesthesia Associates, PC
NorthShore University HealthSystem
Parish Management Consultants, LLC
Red Poppy Anesthesiology
Santa Fe Anesthesia Specialists, PC
Southern Tier Anesthesiologists, PC
University of California, Irvine

2009 Component Society Donors

\$10,000 or More

Minnesota Society of Anesthesiologists

\$5,000-\$9,999

Florida Society of Anesthesiologists
 Pennsylvania Society of Anesthesiologists
 Texas Society of Anesthesiologists

\$2,000-\$4,999

Arizona Society of Anesthesiologists
 Georgia Society of Anesthesiologists, Inc
 Massachusetts Society of Anesthesiologists
 Missouri Society of Anesthesiologists
 New York State Society of Anesthesiologists
 North Carolina Society of Anesthesiologists
 Oregon Society of Anesthesiologists
 Tennessee Society of Anesthesiologists
 Virginia Society of Anesthesiologists
 Wisconsin Society of Anesthesiologists

\$1,000-\$1,999

Alabama State Society of Anesthesiologists
 California Society of Anesthesiologists
 Colorado Society of Anesthesiologists
 Connecticut State Society of Anesthesiologists
 DC Society of Anesthesiologists
 Greater Atlanta Society of Anesthesiologists
 Illinois Society of Anesthesiologists
 Kansas State Society of Anesthesiologists
 Kentucky Society of Anesthesiologists
 Louisiana Society of Anesthesiologists
 Maine Society of Anesthesiologists
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Financial Highlights for Fiscal Year 2009

Unaudited financials for year ended December 31, 2009. For a copy of the complete audited financials, please contact FAER at 507-266-6866 or faer@faer.org.

Statement of Financial Position

ASSETS		
	2009	2008
Cash	\$1,441,473	\$283,034
Investments	\$15,815,742	\$14,365,676
Accounts Receivable	\$82,881	\$137,607
Fixed Assets	\$107,941	\$107,941
Depreciation	(105,762)	(86,276)
Prepaid Expense	1,544	2,715
Accrued Interest Income	723	3,574
Total Assets	\$17,344,542	\$14,814,271

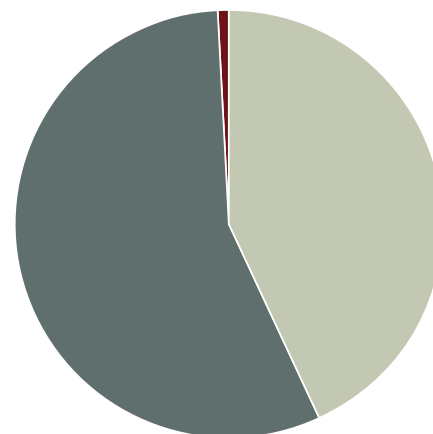
LIABILITIES AND NET ASSETS		
	2009	2008
Accounts Payable Accruals	\$95,887	\$68,380
Board Designated Net Assets	\$14,745,890	\$20,014,534
YTD Net Income	\$2,502,765	(\$5,268,644)
Total Liabilities and Net Assets	\$17,344,542	\$14,814,271

INCOME

	2009	2008
Donations		
American Society of Anesthesiologists	\$1,750,000	\$2,250,000
Corporates	\$134,803	\$175,743
State Component Society	\$80,200	\$76,360
Other Society	\$135,500	\$157,000
Individual	\$171,043	\$203,413
Private Practice Group/Anesthesiology Department	\$20,950	\$35,125
Foundation/Trust	\$8,750	\$9,250
Other	\$175,200	\$253,532
Total Donations	\$2,476,446	\$3,160,423
Fundraising Events	\$0	\$4,066
Investment Revenue (Loss)	\$3,208,879	(\$5,344,137)
Other Income	\$31,669	\$179,447
Total Income	\$5,716,994	(\$2,000,201)

2009 Income

- Donations: 43%
- Investment Revenue: 56%
- Fundraising Events/Other Income: 0.6%

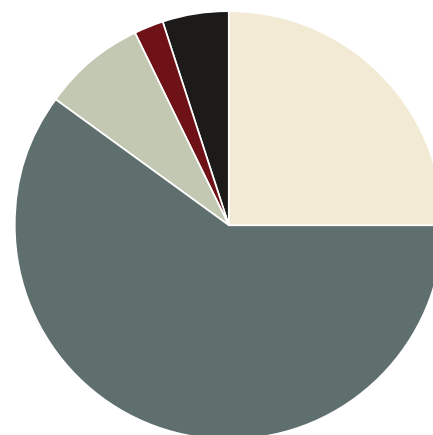


EXPENSES

	2009	2008
Administrative Expenses	\$699,378	\$703,300
Professional Services - ASA Secretariat, Audit, Legal	\$29,829	\$37,660
Travel Expenses	\$40,185	\$79,980
Investment Expenses	\$33,809	\$46,691
Research Grants	\$1,939,458	\$2,256,224
Cerebral Function Monitoring Research Grants	\$250,000	\$500,000
Annual Meeting Resident Scholar Program	\$40,680	\$102,423
Practice Management Resident Scholar Program	\$14,701	\$0
Medical Student Anesthesia Research Fellowship Program	\$166,190	\$210,658
Total Expenses	\$3,214,230	\$3,936,936

2009 Expenses

- Administrative Expenses, Professional Services, Travel Expenses and Investment Expenses: 25%
- Research Grants: 60%
- Cerebral Function Monitoring Research Grants: 8%
- Resident Scholar Programs: 2%
- Medical Student Anesthesia Research Fellowship Program: 5%



A Year of Transition for the FAER Board

D. David Glass, MD, stepped down as Board Chair in 2009. FAER offers its sincere thanks to Dr. Glass for his work. FAER is also grateful for the many contributions of outgoing directors James F. Arens, MD (1999-2009), Simon Gelman, MD, PhD (1999-2009) and Myer H. Rosenthal, MD (1999-2009).

The FAER Board of Directors elected new officers for 2009/2010 during their annual fall meeting in October:

- CHAIR: Denham S. Ward, MD, PhD, University of Rochester, Rochester, NY
- VICE CHAIR: James R. Zaidan, MD, MBA, Emory University School of Medicine, Atlanta, GA
- TREASURER: Francis P. Hughes, PhD, Cary, NC
- SECRETARY: Ronald G. Pearl, MD, PhD, Stanford University School of Medicine, Stanford, CA

FAER also welcomed three new members to its Board of Directors in October 2009:

- George T. Blike, MD, Dartmouth Hitchcock Medical Center, Lebanon, NH
- Paloma Toledo, MD, Northwestern University, Chicago, IL
- Rebecca S. Twersky, MD, MPH, SUNY Downstate Medical Center, Brooklyn, NY



D. David Glass, MD, outgoing FAER Board Chair, poses with Medical Student Anesthesia Research Fellowship Symposium participants Elaine Lee and Carolan Hass at the 2009 ASA Annual Meeting in New Orleans, LA.

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