Bright Futures.
Brilliant Minds.
Bold Developments.

2012 ANNUAL REPORT
The **Foundation for Anesthesia Education and Research** aims to advance medicine through anesthesiology research and education. Our grants and programs are designed to drive the medical specialty of anesthesiology forward and positively impact the careers of individuals who will improve patient care and safety, and who will find solutions to current issues. The early career funding that FAER is able to provide because of the generosity of the entire anesthesiology community not only influences individual careers but also changes the future of anesthesiology for the better.

In 2012, in order to support more than 130 anesthesiologists, residents and medical students, FAER committed $1.875 million to funding research grants and more than $300,000 to programs. These numbers show the investment we make each year in research and education, and the highlights within this annual report help illustrate the outcomes.

On behalf of the FAER Board of Directors, and the many individuals and institutions who benefit from the generosity of FAER’s supporters, thank you for your continued support of research and education in anesthesiology.

Sincerely,

Denham S. Ward, MD, PhD  
President and CEO

James R. Zaidan, MD, MBA  
Board Chair
Putting Academic Anesthesiology in Focus: FAER Resident Scholar Program

The FAER Resident Scholar Program is an educational opportunity for residents that encourages careers in research and academic anesthesiology. The program sends approximately 60 residents to the ASA annual meeting each year. By attending workshops and plenary sessions, as well as the ASA House of Delegates, Resident Scholars learn about the latest advances in anesthesiology, and identify scientific, educational and political issues facing the specialty.

As a CA-2 resident at the University of Virginia, Kevin Beers, MD, attended ANESTHESIOLOGY™ 2012 as a FAER Resident Scholar. He says of his experience, “I am grateful to have been chosen by the faculty at UVA to attend the meeting as a FAER Resident Scholar. The educational opportunities were seemingly endless. Not only was I able to learn of several advances and changes in our specialty, but I also was able to network and interact directly with leaders in anesthesiology. … Being a FAER Resident Scholar has put me on a path toward future involvement in the ASA and beyond.”

Abbott Laboratories provided a generous educational grant to support the 2012 FAER Resident Scholar Program.

After Research Fellowship, Eyes on Residency: FAER MSARF Program

The FAER Medical Student Anesthesia Research Fellowship (MSARF) program encourages medical students to enter careers in academic anesthesiology. The program pairs medical students with anesthesiology departments for summer fellowships where they conduct projects, learn scientific methods and participate in clinical anesthesia activities. Students present their research at the FAER MSARF Symposium at the ASA annual meeting each fall.

Fifty-eight students participated in the MSARF program in 2012, one of whom was Michelle Mahanian from University of California Los Angeles. Mahanian visited Mount Sinai School of Medicine for her MSARF experience, where she worked alongside Stacie Deiner, MD, on a project titled “Predictors of postoperative delirium in non-cardiac surgery patients.”

“My research experience through FAER taught me to look for broader connections among clinical scenarios that may benefit future patients through research,” Mahanian says. “Participating in a project from start to finish has taught me a great deal about formulating proper hypothesis, integrating relevant patient data into what is already in scientific literature, and analyzing my results into a clinically-relevant conclusion.” Mahanian will graduate next year and plans to pursue her residency in anesthesiology.

The 2012 MSARF program was supported by the Ronald L. Katz Family Foundation, Valley Anesthesiology Foundation and B. Braun Medical Inc., as well as many individuals and anesthesiology departments.

Michelle Mahanian, a third-year medical student at UCLA, presents her research project to FAER Board Member Lee Fleisher, MD, during the 2012 FAER MSARF Symposium at the ASA annual meeting.

Kevin Beers, MD, 2012 FAER Resident Scholar

Michelle Mahanian, a third-year medical student at UCLA, presents her research project to FAER Board Member Lee Fleisher, MD, during the 2012 FAER MSARF Symposium at the ASA annual meeting.
2012 FAER Research Grant Awardees

In 2012, 16 anesthesiologists received grants and joined the group of more than 444 anesthesiologists who have received grant funding from the foundation since 1986, as well as the more than 100 investigators who received funding from ASA prior to the establishment of FAER.

RESEARCH FELLOWSHIP GRANTS ($75,000)
Quintin J. Quinones, MD, PhD, Duke University Hospital
Katie J. Schenning, MD, MPH, Oregon Health and Science University
Anna Woodbury, MD, Emory University
Jijun Xu, MD, PhD, Cleveland Clinic

MENTORED RESEARCH TRAINING GRANTS-BASIC SCIENCE ($175,000)
Thomas M. Austin, MD, Vanderbilt University Medical Center
Maurizio Cereda, MD, University of Pennsylvania
Arun Prakash, MD, PhD, University of California San Francisco

MENTORED RESEARCH TRAINING GRANTS-CLINICAL OR TRANSLATIONAL ($175,000)
Ana Fernandez-Bustamante, MD, PhD, University of Colorado
Patrick J. Tighe, MD, MS, University of Florida

RESEARCH IN EDUCATION GRANTS ($100,000)
Arna Banerjee, MD, Vanderbilt University Medical Center
Sergio Bustamante, MD, Cleveland Clinic
Edward R. Mariano, MD, MAS, Stanford University
John D. Mitchell, MD, Beth Israel Deaconess Medical Center
Davinder S. Ramsingh, MD, University of California Irvine
Darren R. Raphael, MD, MBA, University of California Irvine
Glenn E. Woodworth, MD, Oregon Health and Science University

Visit FAER.org for more information about our research grants and programs. Go to FAER.org/programs or FAER.org/research-grants.
Each year at the ASA annual meeting, FAER brings researchers and educators together through special scientific activities and workshops that aim to advance our mission and communicate the important role anesthesia education and research play in helping the specialty thrive.

**FAER Academy of Research Mentors in Anesthesiology Workshop**

During the workshop “Early Grants: What You Need to Do,” a group of experienced physician-scientists, mentors and leaders in anesthesiology led panel discussions aimed at educating others on how to submit successful NIH grant applications. The workshop featured information on the personal experience of study section chairs, a mock study section, and a panel of physician-scientists who have received NIH awards. Faculty members who led the panels included: Roderic G. Eckenhoff, MD, University of Pennsylvania; Evan D. Kharasch, MD, PhD, Washington University in St. Louis; William L. Young, MD, University of California San Francisco; and David C. Warltier, MD, PhD, Medical College of Wisconsin.

![Judy R. Kersten, MD, 12th annual FAER Honorary Research Lecturer](image1.png)

**12th Annual FAER Honorary Research Lecture**

Judy R. Kersten, MD, professor and senior vice chair of anesthesiology at Medical College of Wisconsin was the 12th annual FAER Honorary Research Lecturer. During her lecture, “What’s so bad about being sweet?” she discussed how diabetes and hyperglycemia contribute to increasing perioperative risk through adverse effects on the coronary circulation, nitric oxide regulation, and cardioprotective signaling using evidence from both basic science and clinical research.

![Judy R. Kersten, MD](image2.png)

**FAER Panel at ANESTHESIOLOGY 2012™**

Leaders in quality research discussed how to improve quality in anesthesia at the 2012 FAER Panel, “The Science of Quality Improvement: What Leads to Improvement.” Lee A. Fleisher, MD, University of Pennsylvania, moderated the panel. Panelists included Michael Gropper, MD, PhD, University of California San Francisco; Laurent G. Glance, MD, University of Rochester and Elizabeth Martinez, MD, Massachusetts General Hospital.

For information on FAER events at ANESTHESIOLOGY 2013™, visit [FAER.org/events](http://FAER.org/events).
Research

With the urgency to transform healthcare and the triple aim of improving health for the individual, improving health for the population and reducing costs, it is critical to train anesthesiologists in the science of health services research. This is why, in 2012, FAER partnered with the Anesthesia Quality Institute (AQI) to create a pilot mentored grant for early-career investigators in the field of health services research. The first FAER-AQI Mentored Research Training Grants – Health Services Research (two-year, $175,000 grants) will begin in 2013.

Education

In spring 2012, the FAER Board of Directors established the Academy of Education Mentors in Anesthesiology, as a companion to the Academy of Research Mentors in Anesthesiology. The Education Mentor Academy initiates activities to improve education mentorship in anesthesiology. It recognizes educators and mentors who have made significant contributions to the advancement of academic anesthesiologists.

THE ACADEMY’S NINE CHARTER MEMBERS INCLUDE:

- Arnold J. Berry, MD, MPH, Emory University Hospital
- Robert R. Gaiser, MD, MSEd, University of Pennsylvania
- Joy L. Hawkins, MD, University of Colorado Denver
- Catherine Kuhn, MD, Duke University Medical Center
- Alex Macario, MD, MBA, Stanford University
- May Pian-Smith, MD, MS, Massachusetts General Hospital
- Steven H. Rose, MD, Mayo Clinic
- Armin Schubert, MD, MBA, Oschner Medical Center
- Alan D. Sessler, MD, Mayo Clinic (emeritus), Foundation for Anesthesia Education and Research

Innovation

Over the past few decades, anesthesiologists have distinguished themselves among physician specialists as being leaders in advancing patient care through innovations in medical technologies.

Although many advances have been made, much work remains. In 2012, FAER launched an educational initiative focused on translational medical research, innovation and entrepreneurship. It took form in an inaugural FAER panel at the Society for Technology in Anesthesia annual meeting.

The educational session answered two questions: “What are the basic approaches for an anesthesiologist to bring an idea to clinical practice?” and “Why are physician-industry relationships important for successful TMR?”

FAER will continue to facilitate educational opportunities related to pharmaceutical and device product development and commercialization through the first-ever Anesthesiology Conference on Innovation and Entrepreneurship, which will be held January 18, 2014 in Orlando, Fla.

Abbott Laboratories, Baxter, Cook Critical Care and Frank Moya Continuing Education Programs each provided financial support for the inaugural FAER panel at the STA meeting.

FAER-STA PANELISTS INCLUDED

- George Blike, Dartmouth-Hitchcock Medical Center, moderator
- Bruce Gingles, Cook Critical Care
- Richard Melker, MD, University of Florida
- Debra Schwinn, MD, University of Washington
- Theodore Stanley, MD, University of Utah
Founding Supporter

The Foundation for Anesthesia Education and Research thanks its founding supporter, the American Society of Anesthesiologists, for its $2 million in funding in 2012 and for its generous support of FAER’s mission over the past 26 years.

Subspecialty Society Contributors

$30,000 OR MORE

$15,000 - $29,999

UP TO $5,000

Corporate Supporters

$25,000-$59,999

$10,000-$29,999

$1,000-$4,999

3D Communications, LLC
B. Braun Medical
Frank Moya Continuing Education Programs
Lippincott Williams & Wilkins
Mainline Medical
Sheridan Healthcare

Component Society Contributors

$5,000 OR MORE

California Society of Anesthesiologists
Minnesota Society of Anesthesiologists
Pennsylvania Society of Anesthesiologists
Texas Society of Anesthesiologists

$2,000-$4,999

Arizona Society of Anesthesiologists
Connecticut State Society of Anesthesiologists
Georgia Society of Anesthesiologists
Kansas State Society of Anesthesiologists
Massachusetts Society of Anesthesiologists
Michigan Society of Anesthesiologists
New York State Society of Anesthesiologists
Oklahoma Society of Anesthesiologists
Oregon Society of Anesthesiologists
Virginia Society of Anesthesiologists
Washington State Society of Anesthesiologists

$1,000-$1,999

Alabama State Society of Anesthesiologists
DC Society of Anesthesiologists
Florida Society of Anesthesiologists
Illinois Society of Anesthesiologists
Indiana Society of Anesthesiologists
Kansas City Society of Anesthesiologists
Kentucky Society of Anesthesiologists
Maryland Society of Anesthesiologists
Missouri Society of Anesthesiologists
Nebraska Society of Anesthesiologists
Ohio Society of Anesthesiologists
South Dakota Society of Anesthesiologists
Wisconsin Society of Anesthesiologists

UP TO $999

Colorado Society of Anesthesiologists
Louisiana Society of Anesthesiologists
Mississippi Society of Anesthesiologists
New Jersey State Society of Anesthesiologists
New Mexico Society of Anesthesiologists
South Carolina Society of Anesthesiologists
Vermont Society of Anesthesiologists
West Virginia Society of Anesthesiologists
Wyoming Society of Anesthesiologists
Society for Anesthesia Education and Research
— Anesthesiology Departments

University of Alabama at Birmingham
Albany Medical Center
Albert Einstein College of Medicine/Montefiore Medical Center
Anesthesiology Institute, Cleveland Clinic
Beth Israel Deaconess Medical Center
Brigham and Women’s Hospital
University of California San Diego
University of California San Francisco
Children’s Hospital Boston
University of Cincinnati Medical Center
University of Colorado School of Medicine
Columbia University, College of Physicians and Surgeons
Dartmouth-Hitchcock Medical Center
David Geffen School of Medicine at UCLA
Fletcher Allen Health Care
University of Florida College of Medicine
George Washington University
Georgia Health Sciences University
Henry Ford Hospital
University of Illinois at Chicago
University of Iowa
John H. Stroger, Jr. Hospital of Cook County
Johns Hopkins University
Kansas University Medical Center
Loma Linda University
University of Louisville
Loyola University Medical Center
University of Maryland School of Medicine
Massachusetts General Hospital
University of Massachusetts Medical School
Mayo Clinic
Medical College of Wisconsin
University of Michigan
University of Missouri-Kansas City
Mount Sinai School of Medicine (New York)
University of Nebraska Medical Center
New York University Langone Medical Center
University of North Carolina School of Medicine
Northwestern University Feinberg School of Medicine
Ohio State University
University of Oklahoma Health Sciences Center
Park Slope Anesthesia Associates of New York Methodist Hospital
Penn State Milton S. Hershey Medical Center
University of Pennsylvania School of Medicine
University of Pittsburgh
University of Rochester Medical Center
Springfield Anesthesia Services of Baystate Medical Center
St. Luke’s Roosevelt Hospital Center
Stanford University Medical Center
State University of New York, Brooklyn (Downstate)
State University of New York, Buffalo
State University of New York, Stony Brook
State University of New York, Upstate Medical University
University of Texas Medical Branch at Galveston
University of Texas Medical School at Houston
University of Texas Southwestern Medical Center
Texas Tech University Health Sciences Center, Paul L. Foster School of Medicine
Vanderbilt University School of Medicine
University of Washington
Washington University School of Medicine in St. Louis
University of Wisconsin
Weill Cornell Medical College
Yale University

Medical Student Anesthesia Research Fellowship Program Supporters

The following anesthesia departments provided financial support for one or more MSARF participants in 2012.

University of Alabama at Birmingham
Baylor College of Medicine
Beth Israel Deaconess Medical Center
Brigham and Women’s Hospital
University of California Irvine
University of California Los Angeles
University of California San Francisco
University of Colorado Denver
Columbia University
Johns Hopkins University School of Medicine
University of Maryland School of Medicine
Massachusetts General Hospital
Mayo Clinic Rochester
Medical University of South Carolina
University of Medicine and Dentistry New Jersey - New Jersey Medical School
University of Michigan
Montefiore Medical Center The University Hospital for the Albert Einstein College of Medicine
Mount Sinai School of Medicine
Northwestern University Feinberg School of Medicine
University of Pennsylvania School of Medicine
University of Pittsburgh
Stanford University
State University of New York, Brooklyn (Downstate)
State University of New York, Stony Brook
University of Texas M.D. Anderson Cancer Center
Vanderbilt University
Mission Moment

**GROWING THE SKILLS OF PRACTICING ANESTHESIOLOGISTS**

For anesthesiologists pursuing training in advanced ultrasound-guided regional anesthesia, the efficacy of available teaching methods, learning curve, and optimal duration of training in this population remains unknown. This is why Edward Mariano, MD, MAS, proposed to study the effectiveness of conventional methods (e.g., didactic lectures and model scanning) and immersive learning (e.g., hybrid simulation) in teaching ultrasound-guided perineural catheter insertion to anesthesiologists in practice without prior formal regional anesthesia training.

Dr. Mariano, who is chief of anesthesiology and perioperative care service at VA Palo Alto Health Care System, and associate professor of anesthesiology, perioperative and pain medicine at Stanford University, received a 2012 FAER Research in Education Grant, a two-year, $100,000 award.

“This project is the first to specifically study the acquisition and implementation of a new skill in a cohort of practicing anesthesiologists,” he says. “Since ultrasound guidance in regional anesthesia is relatively new and rapidly increasing in popularity, this is an ideal model to study. The results can be potentially applied to other skills or populations.”

In his career, Dr. Mariano has focused on clinical studies related to perioperative pain management and short-term outcomes. “With direct access to a world-class simulation center and staff, and the largest networked healthcare system in the country [Veterans Health Administration],” he says, “our FAER-funded study marks the start of an exciting path to implementing system change and increasing our veterans’ access to the highest quality of perioperative pain control.”

Alongside his mentor, Steven Howard, MD, Dr. Mariano will continue his work on this FAER-funded project throughout the 2013-14 academic year.
Epitome of Excellence

EARLY CAREER ACCOMPLISHMENTS RECOGNIZED WITH ASA AWARD

One of the goals of FAER’s grants is to provide the funding, training and mentorship to early career anesthesiologists so they can develop the skills and preliminary data needed to become successful physician-scientists. Peter Nagele, MD, MSc, who received a Mentored Research Training Grant from FAER in 2007 to study the influence of nitrous oxide on postoperative myocardial infarction, has done just that. He received the 2012 ASA Presidential Scholar Award, recognizing his research accomplishments and his dedication to a career as a physician-scientist.

Dr. Nagele is currently assistant professor in the department of anesthesiology at Washington University in St. Louis, where he has been since 2005. After his FAER award in 2007, he received a K23 from the NIH, and has received subsequent funding from the NIH and other foundations since that time.

Dr. Nagele joins several other former FAER grant recipients and Resident Scholars who have received ASA Presidential Scholar Awards, which began in 2003. They include Zhiyi Zuo, MD, PhD (2005), Marcos Vidal Melo, MD, PhD (2007), John H. Eisenach, MD, PhD (2008), Max Kelz, MD, PhD (2010) and George Mashour, MD, PhD (2011).
Since receiving a FAER Mentored Research Training Grant in 2011 for his project “Anesthesia Technique and Outcomes After Hip Fracture: Instrumental Variable Analysis,” Mark Neuman, MD, MSc, has conducted a number of analyses of a large database with anesthesia care and clinical outcomes for more than 50,000 patients treated for acute hip fracture in New York State. Dr. Neuman’s main goal has been to understand the impact of differing anesthesia types, specifically regional versus general anesthesia, on key patient outcomes.

Based on this work, Dr. Neuman, assistant professor of anesthesiology and critical care at University of Pennsylvania, published a paper in *Anesthesiology* in July 2012 that showed marked reductions in in-hospital mortality and pulmonary complications among patients receiving regional anesthesia. And fewer than two years after his award, nearing the completion of his FAER-funded project, he received a grant from the National Institute on Aging (an NIH K08) to continue his research.

“FAER’s support has been vital to my development as a researcher within anesthesiology; it has allowed me to complete research that has potential to impact clinical practice and to secure further funding from the National Institutes of Health,” he says. “Obtaining a FAER Mentored Research Training Grant has been a key early step in achieving my long-term goal of building a successful career in academic anesthesiology and improving patient health through my research.”

Mark Neuman, MD, MSc, 2011 FAER Grant Recipient

Simeon P. Manalili, Jr, MD
Catherine Marcucci, MD
Jonathan B. Mark, MD
James D. Marks, MD, PhD
Wayne K. Marshall, MD
Gregory B. McComas, MD
David G. Metro, MD
Keith W. Miller, PhD
Vivek K. Moitra, MD
Jochen D. Muehlischlegel, MD
Sheila M. Muldoon, MD
Sathyendra Mysore, MD
Joseph M. Neal, MD
John B. Neeld, Jr, MD
Pornswan Ngamprasertwong, MD
Huong L. Nguyen, MD
Danuta Oktawiec Larson, MD
Carmelita S. Pablo, MD
Arvind Palanisamy, MD, FRCA
Susan K. Palmer, MD
Pratik P. Pandharipande, MD
Madhukanta J. Patel, MD
Mukesh K. Patel, MD
Lee S. Perrin, MD
Michael R. Pierson, MD
Susan L. Polk, MD
Peter G. Pryde, MD
Dr. Sadeq and Mrs. Ayesha Quarashi
Frederic M. Ramsey, MD
David L. Reich, MD
Steven R. Rettke, MD
Raymond S. Roginski, MD, PhD
G. A. Rooke, MD, PhD
Drs. Steven Rose and Beth Elliott
Carl E. Rosow, MD
John C. Rowlingson, MD
Senthilkumar Sadhasivam, MD
Nilda Salaman, MD
James A. Salvatore, MD
Howard Schapiro and Jan Carroll
Richard M. Schlobohm, MD
William Schultz, MD
James C. Scott, MD
Robert E. Shangraw, MD, PhD
Francis S. Stellaccio, MD
Mack A. Thomas, MD
Laurence C. Torsher, MD
Richard J. Traystman, PhD
Susan A. Vassallo, MD
Monica S. Vavilala, MD
Joyce A. Wahr, MD
Jing Wang, MD, PhD
Thomas L. Warren, MD
Barbara E. Waud, MD
Don Weber, MD
Margaret R. Weglinski, MD
Matthew Weinger, MD, MS
Courtney G. Williams, MD
James H. Williams, MD, PhD
Jacques T. Ya Deau, MD, PhD
Edward A. Yaghmour, MD
Myron Yaster, MD
Lawrence I. Young, MD
Michael P. Zygmunt, MD
$100 TO $199

Raed Abdullah, MD
Richard P. Albertson, MD
Maurice S. Albin, MD
Benigno R. Aldana III, MD
George E. Battit, MD
George S. Bause, MD
Robert F. Bedford, MD
David S. Beebe, MD
Joseph C. Belshe, MD
Elliott Bennett-Guerrero, MD
Mitchell F. Berman, MD
Ramachandra Bhat and Neerada Bhat
Jeffry B. Brand, MD
Timothy J. Brennan, MD, PhD
Bruce R. Brookens, MD, PC
William P. Bundschuh, MD
Christiane Camire-Tsakis, MD
Daniel B. Carr, MD
James G. Carter, MD
Wei Chao, MD
James W. Chapin, MD
Christopher G. Choukalas, MD, MS
Marlene V. Chua, MD
Steven P. Cohen, MD
Dennis D. Crane, DO
David J. Cullen, MD, MS
Alan E. Curle, MD
Mark L. D’Agostino, MD
Jose L. Diaz-Gomez, MD
Drs. Karen B. Domino and Gene L. Brenowitz
Michelle A. Douglass, MD, BSN, CRNA
Talmage D. Egan, MD
Dr. John and Gina Eisenach
Dr. and Mrs. Burton Epstein
Epitome of Excellence

FAER EDUCATION STUDY SECTION CHAIR, JOHN R. MOYERS, MD, RETIRES

After more than two decades of service, John R. Moyers, MD, stepped down as chair of the FAER Education Study Section in 2012. Dr. Moyers has been an integral part of FAER’s education grants since their inception in 1990. Although the members of the study section have changed over the years, John has remained a unifying presence, having reviewed every educational grant proposal submitted in the past 22 years. His expertise will be difficult to replace, and his humble diligence in leading the educational review process will be missed. John represents all that is good about academic anesthesiology, and FAER extends gratitude to him for his years of service.
Tribute and Memorial Gifts

HONORARIA
3D Communications, LLC honorarium for Jeffrey R. Kirsch, MD
American Society of Anesthesiologists honorarium for Ralph Lydic, PhD
Arizona Society of Anesthesiologists honorarium for Jerry Cohen, MD
Kansas City Society of Anesthesiologists honorarium for Gregory Unruh, MD

Lippincott Williams & Wilkins honorarium for the authors and editors of “Avoiding Common Anesthesia Errors”
Society for Education in Anesthesia honorarium for Denham S. Ward, MD, PhD
University of Wisconsin, Madison honorarium for Simon Gelman, MD, PhD

IN HONOR
Dr. Corrie T. M. Anderson and Ms. Virginia E. Williams in honor of Lewis I. Williams, III
Julien F. Biebuyck, MD, PhD in honor of Patrick M. McQuillan, MD
Paul E. Bigeleisen, MD in honor of Denham S. Ward, MD, PhD
Mark D. Brady, MD in honor of Dr. Robbie Robinson
Bruce R. Brookens, MD, PC in honor of Frederick W. Cheney, MD
Jason A. Campagna, MD, PhD in honor of Carl Rosow, MD
Jason A. Campagna, MD, PhD in honor of Stuart A. Forman, MD, PhD
Marlene V. Chua, MD in honor of Benjamin Rigor, MD
Dennis W. Coombs, MD in honor of Alan D. Sessler, MD
Mark L. D’Agostino, MD in honor of Dr. John Patrick O’Gara
Ms. Christin L. Engelhardt in honor of Dough Merrill, MD, and Eugene Viscusi, MD
Joel G. Greenspan, MD in honor of Lawrence Saidman, MD
Jonathan Griswold, MD, MS in honor of Christopher Quartararo, MD
Joanne Jene, MD in honor of Alan D. Sessler, MD
Markus G. Klass, MD, PhD in honor of James R. Zaidan, MD, MBA
BettyLou Koffel, MD in honor of Martin Helrich, MD

Roderic G. Eckenhoff, MD, received the 2012 FAER Mentoring Excellence in Research Award.

Epitome of Excellence
OUTSTANDING MENTOR RECOGNIZED FOR ACHIEVEMENTS
Roderic G. Eckenhoff, MD, Austin Lamont professor of anesthesiology and critical care and vice chair for research at the University of Pennsylvania, received the 2012 FAER Mentoring Excellence in Research Award. The award, given by the FAER Academy of Research Mentors in Anesthesiology, recognizes the value of successful mentorship in the specialty.

Throughout his career, Dr. Eckenhoff has mentored more than 30 individuals, many of whom have gone on to academic positions and have received NIH funding. “Dr. Eckenhoff exemplifies the best in the role of the anesthesiologist as a physician-scientist and has done an outstanding job in mentoring the next generation of physician-scientists in our specialty,” Lee Fleisher, MD, anesthesiology department chair at the University of Pennsylvania, wrote about his award. “His selfless commitment to ensuring the future of physician-scientists within anesthesia makes him an outstanding recipient of this award. He will have a lasting influence on our specialty.”
***Mission Moment***

**ANSWERING QUESTIONS AND ADVANCING SKILLS**

Anna Woodbury, MD, an anesthesiology resident at Emory University, received a FAER Research Fellowship Grant for her project, “Neonatal Pain Results in Neuro-Psychiatric Disorders: Honokiol’s Role in Treatment and Prevention,” with the goal of optimizing neuroprotection and analgesia in the neonatal population and prevent long-term consequences of early pain.

For her project, Dr. Woodbury used behavioral testing and immunohistochemistry to evaluate the analgesic, neuroprotective and neuro-regenerative effects of honokiol on behavior and brain development in a neonatal rat model of formalin-induced peripheral inflammatory pain. Honokiol is a naturally occurring compound traditionally used throughout Asia as an analgesic and anti-inflammatory agent.

Now nearing the completion of her grant, Dr. Woodbury’s results show that honokiol prevents the development of chronic pain responses and attenuates anxiety-related behavioral changes in a rat model of neonatal pain. “We have taken another step toward understanding pain in neonates,” she says. “Hopefully, we have found a neuroprotective, analgesic agent with minimal side effects that will help prevent the chronic, detrimental effects of pain and/or anesthetics from taking hold in the most vulnerable periods of the developing neonatal brain.”

Dr. Woodbury has had a long-standing interest in research. She says, “The FAER Research Fellowship Grant allowed me the opportunity to apply my clinical knowledge to target an area of medicine I felt needed further elucidation while giving me the chance to learn, in depth, basic science skills that I can apply to pain and neuroscience research for the rest of my academic career.”

Dr. Woodbury’s Research Fellowship Grant was named the 2012 FAER/Gertie Marx Research and Education Award, made possible through the generosity of Gertie F. Marx, MD, a pioneer in obstetric anesthesiology who remembered FAER in her estate.
2012 Donations
- ASA - Unrestricted: $2,000,000
- Corporate: $82,942
- State Component Society: $67,220
- Other Society: $66,600
- Individual: $187,124
- Private Practice Group/Anesthesiology Department: $312,046

2011 Donations
- ASA - Unrestricted: $2,000,000
- Corporate: $79,893
- State Component Society: $73,750
- Other Society: $72,000
- Individual: $258,057
- Private Practice Group/Anesthesiology Department: $206,353

Highlights for Fiscal Year 2012
These highlights are based on unaudited financials for the year ended December 31, 2012. For a copy of the complete audited financials, please contact FAER at 507-266-6866 or FAER@faer.org.

INCOME

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<td>Other Income – Returned Grant Monies</td>
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</tr>
<tr>
<td><strong>Total Income</strong></td>
<td><strong>$2,768,207</strong></td>
<td><strong>$2,812,543</strong></td>
</tr>
</tbody>
</table>
2012 Expenses

- General Operating Expenses: 32%
- Research Grants: 57%
- Resident Scholar Programs: 2%
- Medical Student Anesthesia Research Fellowship Program: 5%
- Society for Anesthesia Education & Research Grant: 3%
- American Geriatric Society/GEMSTAR Grant: 1%
- Subspecialty Education Programs: 0%

2011 Expenses

- General Operating Expenses: 32%
- Research Grants: 58%
- Resident Scholar Programs: 2%
- Medical Student Anesthesia Research Fellowship Program: 6%
- Subspecialty Education Programs: 2%
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