It was an honor and a privilege to be the president of the Neurosurgery Research and Education Foundation (NREF) during this momentous year. As you may know, over the past year, the NREF has undergone a complete restructuring of the composition of the board of directors to include representation from the Joint Sections, the Society of Neurological Surgeons, and the American Academy of Neurological Surgeons. In addition, for the first time in its 34-year history, the NREF has a seat on the board for a public member. The NREF has been reinvigorated not only by the new board structure but in its mission as well.

Going forward, the NREF is dedicated to providing education to neurosurgeons at all stages of their careers, as well as funding research into new and existing neurosurgical treatments in order to identify links between best practices and improved outcomes in patient care. The NREF is now closely aligned with NeuroPoint Alliance (NPA) and will seek funding for data registries and outcomes studies such as the new Stereotactic Radiosurgery Registry (SRS) project, which is a groundbreaking patient registry aimed at establishing national benchmarks for care. As you can see, this reorganization of NREF has been the result of rethinking and broadening the scope of NREF to meet the challenges of an evolving health system and to preserve and strengthen our specialty and establish the NREF as the philanthropic arm for neurosurgery.

Our ability to impact and advance the specialty through research support and registry project development is directly related to the generosity of the individuals and organizations that believe and share our vision. We are thankful to all of our supporters that help us achieve our goals. The NREF board of directors is grateful for you, our donors, friends and volunteers, whose support over the past year helped further our important initiatives.

I am pleased to share the many success stories in this annual report, and I look forward to more to come.

Sincerely,

Troy M. Tippett, MD, FAANS
2013-2014 NREF President
Since 1980, the Neurosurgery Research and Education Foundation (NREF) has served as the premier funder of neurosurgical research and education. Each year, the NREF provides fellowship funding for training in the neurosciences to neurosurgical programs in North America. Since 2010, the NREF has provided funding for more than 71 post-residency clinical fellowships in more than 40 neurosurgery training programs.

Funding for fellowship training is made possible by industry supporters and may be available in areas such as spine, endovascular, pediatric, stereotactic and tumor neurosurgery. The NREF Educational Grants Committee, composed of AANS member neurosurgeons, reviews applications from training institutions, makes funding determinations and is responsible for all aspects of this grants program. The neurosurgeons on the Educational Grants Committee do not receive financial or other support from the medical-device industry; these committee members review and approve the grant applications in an independent and unbiased manner. These individuals do not receive compensation for their efforts. Corporate supporters have no role in the selection of fellows or training institutions that receive fellowship funding.

Clinical Fellowships
The NREF gratefully recognizes corporate support for funding of the 2013-2014 post residency clinical fellowships from the following organizations:

- DePuy Synthes Spine, Inc.
- Medtronic, Inc.

2013–2014 Awardees
In 2013-2014, the NREF granted funding for six post-residency clinical fellowship programs in the area of spine. The foundation is pleased to announce the following institutions that received funding:

- Cleveland Clinic Foundation
- Thomas Jefferson University
- Johns Hopkins University
- Medical College of Wisconsin
- University of Virginia
- University of Washington
NREF Research Fellowships
The mission of the NREF is to enhance lives by advancing neurosurgical care. The NREF is dedicated to providing education to neurosurgeons at all stages of their careers, as well as funding research into new and existing neurosurgical treatments, in order to identify links between best practices and improved outcomes in patient care.

Through public donations, corporate support, and donations from allied neurosurgical groups, the NREF supports endeavors that impact the lives of those suffering from epilepsy, stroke, brain tumors, spinal disorders, sports-related head injuries, lower back pain and Parkinson’s disease. Since 1980, more than $7 million in grant funding has been awarded to more than 200 residents and young clinician investigators in more than 50 academic institutions.

NREF research grant funding is made possible by matching funds from allied surgical groups. These grants help provide support for young researchers working on potential treatments and cures for neurosurgical diseases and conditions that affect millions. The NREF would like to thank the following groups that helped support NREF Research Grants and Young Clinician Investigator Awards in fiscal year 2014.

- American Academy of Neurological Surgery
- AANS/CNS Joint Cerebrovascular Section
- AANS/CNS Joint Section on Pediatric Neurosurgery
- AANS/CNS Section on Tumors
- AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves

The NREF is proud to present the recipients of the 2013-2014 NREF Research Grants and Young Clinician Investigator Awards.
2013-2014 Research Fellows and Young Clinician Investigator Awards ($40,000 for one year)

Vijay Agarwal, MD  
NREF Spine and Peripheral Nerve Section Research Fellow  
Duke University  
Project Title: Gait, Nerve Receptor Upregulation and Cytokines in Model of Radiculopathy Versus Discogenic Pain

Zarina Ali, MD, MS  
NREF Research Fellow  
University of Pennsylvania  
Project Title: Peripheral Nerve Regeneration Using Tissue Engineered Nerve Grafts

Luis E. Kolb, MD  
NREF/Pediatric Section Research Fellow  
Yale-New Haven Hospital  
Project Title: Whole Genome Analysis of Malformations of Cortical Development

Daniel Orringer, MD  
NREF/Tumor Section Young Clinician Investigator  
University of Michigan  
Project Title: Coherent Raman Scattering Microscopy of Human Gliomas

Rory Petteys, MD  
NREF Research Fellow  
Georgetown University  
Project Title: Animal Model of Thoraco-Lumbar Induced Acute Spinal Cord Injury

Analiz Rodriguez, MD, PhD  
NREF Research Fellow  
Wake Forest University  
Project Title: The Role of Tumor Associated Macrophages in Directing Glioma Cell Invasion

Nicholas Szerlip, MD  
American Academy of Neurological Surgery/NREF Young Clinician Investigator  
Wayne State University  
Project Title: Autocrine and Paracrine Effects of Neuregulin on Glioma

Michael Tso, MD, PhD  
NREF/Cerebrovascular Section Research Fellow  
University of Calgary  
Project Title: Immunological mechanisms of brain injury after SAH

Kristin Weaver, MD, PhD  
NREF Research Fellow  
University of Florida  
Project Title: Optimizing Neural Repair Following Cervical Spinal Cord Injury Using a Multi-Modal Cell Transplant Strategy

Jon T. Willie, MD, PhD  
NREF Young Clinician Investigator  
Emory University  
Project Title: Local Field Potential Signal-Based Closed-Loop DBS of Amygdala for Cataplexy
An avid supporter of the Neurosurgical Research and Education Foundation (NREF), Praveen Mummaneni, MD, FAANS, has been selected annually from 2005 as one of the Best Doctors in America. When asked what inspires his career and his continuing support of the AANS and the Neurosurgical Research and Education Foundation (NREF), Mummaneni shared the following thoughts.

“My inspiration is my patients,” Mummaneni revealed. “My spinal neurosurgery patients continuously amaze me; their drive to recover from their pathologies and to resume their previously active lives always takes me by surprise, and I find my role in helping them recover to be so very rewarding.”

Discussing how he found his professional calling, he explained, “I initially chose academic neurosurgery because it was the only discipline that interested me during rotations in medical school. I found the neurosurgical patients challenging to treat; their management and outcomes — whether good or bad — were always memorable. I knew that, in neurosurgery, I had found the specialty where I could make my contribution.”

He contributes to the specialty not only through his academic work but also through his involvement with organized neurosurgery. “Becoming more involved with the specialty, I learned about the NREF,” Mummaneni said. “I personally choose, both as a volunteer and philanthropically, to support NREF because I understand how important it is to provide both financial support and real-world opportunities for those who are in the early stages of their careers and who want to engage in research for the advancement of spine surgery.

“Over the years, NREF has provided unique opportunities for advancement in neurosurgical research to a wide variety of neurosurgical trainees. It has becomes a key avenue of funding for many who are starting their careers, and I see many of our residents and junior faculty at University of California at San Francisco (UCSF) applying for the grants that NREF offers. Furthermore, NREF has been funding fellowships for neurological subspecialty training over the past several years, and fellows at UCSF and other institutions have had opportunities to enhance their training directly as a result of NREF’s grants. I believe that there is undoubted advancement in the neurological field as a direct result of NREF’s research support, infrastructure and support of subspecialty training.

“Additionally, I believe that the work that NeuroPoint Alliance (NPA) and NREF are doing through the N2QOD is essential to the future of neurosurgery,” Mummaneni added. “I became involved with N2QOD through the AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves. As chair-elect of the section, I want to help ensure that we, as a specialty, track outcomes of our patients so that we can demonstrate the true benefits of neurosurgical interventions for spine disease.”

Praveen V. Mummaneni, MD, FAANS, earned his undergraduate and medical degrees from Boston University, completed his general surgical internship at the University of California at Irvine and his neurosurgical residency at the UCSF. Following residency, Mummaneni completed fellowship training in complex spine surgery at Emory University. During his spine fellowship, he received advanced subspecialty training in adult spinal deformity surgery at Northwestern University and at Washington University in St. Louis. He was the first neurosurgeon to be awarded the Edgar Dawson Scholarship from the Scoliosis Research Society. He was also the first neurosurgeon to be awarded the Scoliosis Research Society’s European Traveling Fellowship Award. Mummaneni served as an assistant professor of neurosurgery and orthopedics at Emory University from 2002 to 2006. In 2006, he returned to UCSF as an associate professor, co-director of the UCSF Spine Center, and director of the Minimally Invasive and Complex Spine Fellowship. In 2012, he was promoted to professor and vice-chairman of the UCSF department of neurosurgery.
NREF Medical Student Summer Research Fellowship Program

Now in its seventh year, the NREF Medical Student Summer Research Fellowship program is designed to expose neurosurgical curriculum to first- and second-year medical students — with the hope of piquing their interest in the specialty and selecting neurosurgery when they make their decisions about residency training. The fellowship is open to medical students in the United States or Canada who have completed one or two years of medical school and wish to spend a summer working in a neurosurgical laboratory, mentored by a neurosurgical investigator sponsor who is a member of the AANS. The NREF supports up to 20 awards, with each award totaling $2,500. The 2014 Fellowship awardees:

Abdul-Kareem Ahmed
Brown University – Alpert Medical School

Malcolm Dombrowski
University of Pittsburgh Medical Center

Sarah Dooley
University of Iowa Hospital and Clinics

Mark Ehlers
University of Wisconsin - Madison

Paul Gamble
Washington University in St. Louis, School of Medicine

Ranjit Ganguly
Ohio State University

Laureen Hachem
University of Toronto and Toronto Western Hospital

Sasha Halasz
Mayo Clinic

Joshua Haswell
University of Rochester

Hillary Hosier
University of Maryland School of Medicine and Medical Center

Ioan Lina
Johns Hopkins Medicine

Robert Maurer
Penn State University College of Medicine

Margaret McDougal
Emory University School of Medicine

Lauren Miller
Hospital of the University of Pennsylvania

David Sawyer
Tulane University

Rajeev Sen
New York University School of Medicine

Jeffrey Treiber
University of California, San Diego

Terence Verla
Duke University

Justin Wang
Queen’s University

Michael Zhang
Stanford University School of Medicine
2013 Best MSSRF Abstract Presented at 2014 AANS Annual Scientific Meeting

Stephen Miranda
MD Candidate, Class of 2016
School of Medicine and Dentistry
University of Rochester
Project Title: A dose-dependent response of neuroinflammation after repetitive mild traumatic brain injury.
Investigator Awards.

William P. Van Wagenen Fellowship
The Van Wagenen Fellowship was established by the estate of Dr. William P. Van Wagenen, who was one of the founders of the Harvey Cushing Society (now known as the AANS) and its first president. The fellowship was designed to provide freedom in scientific development without the restrictive limitations usually imposed by many research grants and fellowships.

Awarded annually since 1968, the Van Wagenen Fellowship is offered for post-residency study in a foreign country, for a period of 12 months. The awardee receives a $120,000 stipend to cover living expenses and other costs, while an additional $15,000 is awarded to the host university lab or program to help offset research, education and investigation costs for the fellowship.

The recipient of the 2014 Van Wagenen Fellowship was Ausaf Bari, MD, PhD, a resident in neurological surgery at the University of California, Los Angeles, who will commence his fellowship in July 2014.

Bari will travel to Toronto, where he will be hosted by the department of stereotactic and functional neurosurgery at the University of Toronto. Under the mentorship of Andres Lozano, MD, PhD, FAANS, Bari plans to study distinct parts of the ventral striatum and accumbens that may mediate different aspects of addiction. Bari’s research project is titled Neuronal Activity in the Human Nucleus Accumbens and Reward Processing.
The Cushing Circle

We gratefully acknowledge our distinguished members of the Cushing Circle, a society for cumulative (lifetime) giving of $25,000 or more. The Cushing Circle is comprised of philanthropists who are passionate about helping patients through the specialty of neurosurgery by supporting neurosurgical research, education and outcomes studies.

The NREF is grateful to the following generous individuals and groups who comprise the NREF Cushing Circle:

**Individuals**

- H. Hunt Batjer, MD, FAANS
- Merwyn Bagan, MD, MPH, FAANS; and Mrs. Carol Bagan
- Timir Banerjee, MD, FAANS
- Nicholas M. Barbaro, MD, FAANS
- Mitchell S. Berger, MD, FAANS
- Frederick Boop, MD, FAANS
- Charles Branch Jr., MD, FAANS
- Mrs. E. Laurie Bittner
- Jeffrey N. Bruce, MD, FAANS
- Joseph C.T. Chen, MD, PhD, FAANS
- Joseph S. Cheng, MD, MS, FAANS
- Ennio Chiocca, MD, PhD, FAANS
- Hans C. Coester, MD, FAANS
- E. Sander Connolly Jr., MD, FAANS
- Dr. and Mrs. William T. Couldwell
- John G. Golfinos, MD, FAANS
- Michael Groff, MD, FAANS
- Dr. and Mrs. Robert G. Grossman
- Dr. and Mrs. Robert L. Grubb Jr.
- Dr. and Mrs. John Guarnaschelli
- Mary K. Gumerlock, MD, FAANS
- Dr. and Mrs. Regis W. Haid Jr.
- Robert E. Harbaugh, MD, FAANS
- Griffith R. Harsh IV, MD, FAANS; and Ms. Margaret C. Whitman
- Robert F. Heary, MD, FAANS
- Carl B. Heilman, MD, FAANS
- Ross Jenkins, MD, FAANS
- Charles Kuntz, IV, MD
- Dr. and Mrs. Robert Levinthal
- Michael J. Link, MD, FAANS
- Mark E. Linskey, MD, FAANS
- Paul C. McCormick, MD, MPH, FAANS
- Fredric Meyer, MD, FAANS
- L. Madison Michael, II, MD, FAANS
- Praveen V. Mummaneni, MD, FAANS
- Anil Nanda, MD, MPH, FAANS
- Dr. and Mrs. Herbert Oestreicher
- Dr. and Mrs. Russel H. Patterson Jr.
- Joseph M. Piepmeier, MD, FAANS
- Bruce E. Pollock, MD, FAANS
- A. John Popp, MD, FAANS
- Donald O. Quest, MD, FAANS(L)
- Dr. and Mrs. Robert A. Ratcheson
- Dr. and Mrs. Albert L. Rhoton Jr.
- Jon H. Robertson, MD, FAANS
- Gail L. Rosseau, MD, FAANS
- Dr. and Mrs. Richard L. Rovit
- James T. Rutka, MD, PhD, FAANS
- Dr. and Mrs. John F. Schuhmacher
- Edward L. Seljeskog, MD, PhD, FAANS
- Dr. and Mrs. Warren R. Selman
- Christopher I. Shaffrey, MD, FAANS
- Justin S. Smith, MD, PhD, FAANS
- Robert Solomon, MD, FAANS
- Jeffrey M. Sorensen, MD, FAANS
- Mark Spatola, MD, FAANS; and Miheala Ionescu
- Philip Slieg, PhD, MD, FAANS
- Shelly D. Timmons, MD, PhD, FAANS
- Troy M. Tippett, MD, FAANS
- Alex B. Valadka, MD, FAANS
- Craig Van Der Veer, MD, FAANS
- Ms. Virginia Van Sant Reeves
- G. Edward Vates, MD, PhD, FAANS
- Michael Y. Wang, MD, FAANS
- Clarence B. Watridge, MD, FAANS
- Seth Weingarten, MD, FAANS
- Martin H. Weiss, MD, FAANS(L)
- Gregory J. Zipfel, MD, FAANS

**Groups**

- Columbia University Medical Center, Department of Neurosurgery
- Mayo Clinic Department of Neurologic Surgery
- Penn State University Department of Neurosurgery
- Semmes-Murphey Neurologic and Spine Institute
- University of Tennessee
- University of Utah Hospital Department of Neurosurgery
MEET THE DONORS

ABOVE and BEYOND
Pinnacle Partners Commit to Supporting Neurosurgery

Despite the variety of our Pinnacle Partners’ funding interests, they all share one common goal: Each gift provides not only support for resident education, but also support of the specialty of neurosurgery as a whole. Sponsorship of the Pinnacle Partners in Neurosurgery program is a corporate commitment to support and advance neurosurgery in important areas, such as research, education and training. Since 2006, the generous contributions of these partners in programs, such as the AANS/NREF Resident Education Courses, have allowed more than 1,400 residents and fellows to learn from expert faculty on a breadth of topics, including endovascular neurosurgery, spinal deformity, stereotactic radiosurgery and resident exit strategies.

The NREF gratefully acknowledges the following companies for their support of the Pinnacle Partners in Neurosurgery program in fiscal year 2014:

Biomet, Inc.  Integra LifeSciences
Brainlab, Inc.  Leica Microsystems
Carl Zeiss Meditec, Inc.  Medtronic, Inc.
Codman & Shurtleff, Inc.  NuVasive, Inc.
Covidien  Penumbra, Inc.
DePuy Synthes Companies of Johnson & Johnson  Siemens Medical Solutions, USA, Inc.
Elekta  Spine Wave, Inc.
Globus Medical, Inc.  Varian Medical Systems, Inc.

NREF Corporate Leadership Council

The NREF Corporate Leadership Council is an annual forum that brings together the leaders in organized neurosurgery with key leaders from NREF’s Pinnacle Partner supporters. The mission of this gathering is to strengthen ties between industry and the field of neurosurgery by providing a forum for discussion and collaboration on issues related to the specialty.

The NREF Corporate Leadership Council convened its annual meeting in July 2013 in Chicago. Senior representatives from 15 Pinnacle Partners companies were joined by members of the NREF board of directors and the NREF Development Committee. Industry leaders and key opinion leaders in neurosurgery provided updates on market trends, ethical and legal issues in the current health-care environment, philanthropic issues and opportunities for patient advocacy. NREF and AANS leaders provided updates on key program areas, such as the NeuroPoint Alliance (NPA) and the activities of the AANS/CNS Washington Committee.
Donor Report 2013-2014

The board of directors of the Neurosurgery Research and Education Foundation (NREF) is grateful to the more than 597 individuals, groups, medical practices, corporations and neurosurgeon members who offered their generous support to the NREF from July 1, 2013, through June 30, 2014.

**Summa Cum Laude — $5,000 and above**
- H. Hunt Batjer, MD, FAANS
- Jeffrey N. Bruce, MD, FAANS
- Columbia University
- William T. Couldwell, MD, PhD, FAANS
- Michael W. Groff, MD, FAANS
- Mary K. Gumerlock, MD, FAANS
- Regis W. Haid Jr., MD, FAANS
- Robert F. Heary, MD, FAANS
- Carl B. Heilman, MD, FAANS
- N. Ross Jenkins, MD, FAANS
- Michael G. Kaiser, MD, FAANS
- Michael J. Link, MD, FAANS
- L. Madison Michael II, MD, FAANS
- Joseph M. Piepmeier, MD, FAANS
- Jon H. Robertson, MD, FAANS
- Christopher I. Shaffrey, MD, FAANS
- Justin S. Smith, MD, PhD, FAANS
- Jeffrey M. Sorenson, MD, FAANS
- Mark A. Spatola, MD, FAANS
- Philip E. Stieg, PhD, MD, FAANS
- G. Edward Vates, MD, PhD, FAANS
- Seth M. Weingarten, MD, FAANS(L)
- Craig Andrew Van Der Veer, MD, FAANS
- G. Edward Vates, MD, PhD, FAANS
- Magda S. Yassine, MD, FAANS

**Magna Cum Laude — $2,500 to $4,999**
- Nicholas M. Barbaro, MD, FAANS
- James R. Bean, MD, FAANS
- Frederick A. Boop, MD, FAANS
- Joseph C. T. Chen, MD, PhD, FAANS
- Joseph S. Cheng, MD, MS, FAANS
- E. Sander Connolly Jr., MD, FAANS
- John G. Golfinos, MD, FAANS
- Robert E. Harbaugh, MD, FAANS
- Frederick F. Lang Jr., MD, FAANS
- Mark E. Linskey, MD, FAANS
- Catherine Anne Mazzola, MD, FAANS
- Anil Nanda, MD, MPH, FAANS
- Russel H. Patterson Jr., MD, FAANS(L)
- Robert H. Rosenwasser, MD, FAANS
- Mark Edwin Shaffrey, MD, FAANS
- Robert A. Solomon, MD, FAANS
- Alex B. Valadka, MD, FAANS
- G. Edward Bates, MD, PhD, FAANS

**Cum Laude — $1,000 to $2,499**
- Alan J. Apple, MD, FAANS
- Gary M. Bloogarden, MD, FAANS
- Alan S. Boulus, MD, FAANS
- Michael P. Chhabra, Esq.
- Israel Chami-Venero, MD, FAANS
- Vasco F. da Silva, MD, FAANS
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- Stewart B. Dunsker, MD, FAANS(L)
- Willard Emrich, MD, FAANS(L)
- Edward Fletcher Eyster, MD, FAANS(L)
- Allan H. Friedman, MD, FAANS
- Hugh L. Garton, MD, MHSc, FAANS
- Holly S. Gilmer, MD, FAANS
- M. Sean Grady, MD, FAANS
- Benjamin B. LeCompte III, MD, FAANS(L)
- Theodore R. Jacobs, MD, FAANS
- Myron B. Kratzer
- Mark J. Krock, MD, FAANS
- Charles Kuntz, MD, FAANS
- Benjamin B. LeCompte III, MD, FAANS(L)
- James J. Lancy, MD, FAANS
- Joel D. McDonald, MD, FAANS
- Timothy B. Mapstone, MD, FAANS
- Fredric B. Meyer, MD, FAANS
- Raj Murali, MD, FAANS
- Karin M. Muraszko, MD, FAANS
- Hiroshi Nakagawa, MD
- Herbert M. Oestreicher, MD, FAANS
- Katie Orri, JD
- Stephen K. Powers, MD, FAANS
- J. Adair Prall, MD, FAANS
- Donald O. Quest, MD, FAANS(L)
- David W. Roberts, MD, FAANS
- Gail L. Rosseau, MD, FAANS
- Richard L. Rovit, MD, FAANS(L)
- James T. Rutka, MD, PhD, FAANS
- Carl J. Sartorius, MD, FAANS
- Karl Michael Schmitz Jr., MD, FAANS
- Charles L. Schnee, MD, FAANS
- Warren R. Selman, MD, FAANS
- Philip E. Stieg, PhD, MD, FAANS
- Gary K. Steinberg, MD, PhD, FAANS
- Raymond C. Trex Jr., MD, FAANS
- Jamie S. Ullman, MD, FAANS
- Clarence B. Watridge, MD, FAANS
- Martin H. Weiss, MD, FAANS(L)
- William L. White, MD, FAANS
- Stacey C. Quintero Wolfe, MD, FAANS

**Gifts of Support — $500 to $999**
- Bheal Y. Amin, MD
- R. Cem Cezayirli, MD, FAANS
- Dean Chou, MD, FAANS
- Maurice Collada Jr., MD, FAANS
- Dominigo Coric, MD, FAANS
- Kathleen T. Craig
- Robert J. Dempsey, MD, FAANS
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- Mark N. Hadley, MD, FAANS
- Carl B. Heilman, MD, FAANS
- Daniel Jin Hoh, MD, FAANS
- Pascal Marcel Jabour, MD, FAANS
- R. Patrick Jacob, MD, FAANS
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- Israel Melamed, MD
- Praveen V. Murmaneni, MD, FAANS
- David O. Okonkwo, MD, PhD, FAANS
- Alessandro Olivi, MD, FAANS
- Paul Park, MD, FAANS
- Suresh Ramnath, MD, FAANS(L)
- Robert A. Ratcheson, MD, FAANS(L)
- John Kevin Ratliff, MD, FAANS
- Joshua M. Rosenow, MD, FAANS(L)
- Michael Schuller, MD, FAANS
- Konstantin V. Slavin, MD, FAANS
- Mary Louise Spencer
- Monique Traad
- Dennis A. Turner, MD, FAANS
- Juan Santiago Uribe, MD, FAANS
- Eric J. Woodard, MD, FAANS
Tributes

The following contributions were made in honor of colleagues, family members and friends:

- Eli M. Baron, MD, FAANS, in honor of Josh Heller and Leslie Lawton
- Robert E. Harbaugh, MD, FAANS, in honor of Richard L. Saunders, MD
- James S. Harrop, MD, FAANS, in honor of Joshua Heller and Leslie Lawton
- Robert F. Heary, MD, FAANS, in honor of Reynolds Family
- Michael G. Kaiser, MD, FAANS, in honor of Regis W. Haid Jr., MD
- Gregory Kapinos, MD, MS, in honor of Cushing Neuroscience Institute – NSLU
- Catherine Anne Mazzola, MD, FAANS, in honor of Leland Albright, MD; Ian Pollack, MD; and P. David Adelson, MD
- Mary Louise Spencer, in honor of David W. Roberts, MD
- Shelly D. Timmons, MD, PhD, FAANS, in honor of Clarence B. Watridge, MD
- Shelly D. Timmons, MD, PhD, FAANS, in honor of James T. Robertson, MD

Memorials

The following contributions were made in memory of colleagues, family members and friends:

- Jacques N. Farkas, MD, FAANS, in memory of Linda Regenfuss
- Katie Orrico, JD, in memory of Betty Kubala
- Donald O. Quest, MD, FAANS(L), in memory of Ilona M. Quest
- Gail L. Rosseau, MD, FAANS, in memory of Yvonne Ehrenberg Hurwitt
- Beth S. Stein, in memory of Marcia B. Solomon
- Shelly D. Timmons, MD, PhD, FAANS, in memory of James Gaydos
- Shelly D. Timmons, MD, PhD, FAANS, in memory of Judith Schafernak
- Shelly D. Timmons, MD, PhD, FAANS, in memory of Patrick Donnelly
- Shelly D. Timmons, MD, PhD, FAANS, in memory of Robert Alexander Sanford, MD
- Women in Neurosurgery (WINS) in memory of Roy A. E. Bakay, MD, FAANS
While fiscal 2014 was a profitable year financially for the American Association of Neurological Surgeons (AANS), it also was a year that included a significant change in fiscal process and financial record-keeping. Fiscal 2014 saw the creation of a new legal entity — the Neurosurgery Research and Education Foundation (NREF). Prior to its incorporation, the activities of the NREF were conducted directly within the auspices of the AANS; however, during fiscal 2014, activities and assets were divided between the AANS and the newly incorporated NREF.

This change creates multifaceted channels for the AANS that can better serve its members and their patients. Through the member association (AANS), its philanthropic arm (NREF) and its data collection and reporting group, NeuroPoint Alliance (NPA), the AANS — taken as a whole — specializes in a variety of activities that benefit neurosurgery: from advocacy to publishing, from research to education and from data collection to outcomes studies.

Strong investment yields benefited the AANS and the NREF, which helped them both to finish with a profitable year. NPA finished fiscal 2014 with its smallest-ever deficit, and it is anticipated that fiscal 2015 will see NPA operating as a profitable organization.

This report reflects the financial statements of the AANS, the NREF and the NPA, covering the period of July 1, 2013, through June 30, 2014.

While the year-end financial statements of the AANS, the NREF and the NPA are audited by outside auditors, this annual report is being prepared prior to a completed audit and contains unaudited final numbers. Any material differences between a published financial statement and the auditor’s report will be communicated to AANS members in AANS Neurosurgeon. Copies of the most recent audit are available to members by writing to: AANS Accounting Department, 5550 Meadowbrook Drive, Rolling Meadows, IL 60008-3852.
## AANS AND RELATED ORGANIZATIONS

### Statement of Financial Position 06/30/2014

#### ASSETS 2013-2014

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#### LIABILITIES AND EQUITY

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<th>NREF</th>
<th>NPA</th>
<th>Consolidated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liabilities &amp; Equities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts Payable</td>
<td>$7,516,247</td>
<td>$1,072,957</td>
<td>$148,542</td>
<td>$8,737,746</td>
</tr>
<tr>
<td>Deferred Revenues</td>
<td>2,706,426</td>
<td>67,500</td>
<td>299,000</td>
<td>3,072,926</td>
</tr>
<tr>
<td><strong>TOTAL LIABILITIES</strong></td>
<td>$10,222,673</td>
<td>$1,140,457</td>
<td>$447,542</td>
<td>$11,810,672</td>
</tr>
<tr>
<td>Equity</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beginning Net Assets</td>
<td>$22,624,852</td>
<td>$1,841,472</td>
<td>$9,326</td>
<td>$24,475,650</td>
</tr>
<tr>
<td>Net Income</td>
<td>954,305</td>
<td>994,589</td>
<td>(206,376)</td>
<td>1,742,518</td>
</tr>
<tr>
<td><strong>TOTAL EQUITY</strong></td>
<td>$23,579,157</td>
<td>$2,836,061</td>
<td>(197,050)</td>
<td>$26,218,168</td>
</tr>
<tr>
<td><strong>TOTAL LIABILITIES AND EQUITY</strong></td>
<td>$33,801,830</td>
<td>$3,976,518</td>
<td>(250,492)</td>
<td>$38,028,840</td>
</tr>
</tbody>
</table>

#### AANS AND RELATED ORGANIZATIONS INCOME STATEMENT For the Year Ended 06/30/14

<table>
<thead>
<tr>
<th>Revenue</th>
<th>AANS</th>
<th>NREF</th>
<th>NPA</th>
<th>Consolidated % of total revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dues/Contributions Income</td>
<td>$2,511,887</td>
<td>0</td>
<td>$586,750</td>
<td>$3,098,637</td>
</tr>
<tr>
<td>Annual Meeting Income</td>
<td>4,992,666</td>
<td>0</td>
<td>0</td>
<td>4,992,666</td>
</tr>
<tr>
<td>Publications</td>
<td>5,565,341</td>
<td>0</td>
<td>0</td>
<td>5,565,341</td>
</tr>
<tr>
<td>EPM</td>
<td>1,657,661</td>
<td>0</td>
<td>0</td>
<td>1,657,661</td>
</tr>
<tr>
<td>Fundraising</td>
<td>1,624,372</td>
<td>0</td>
<td>0</td>
<td>1,624,372</td>
</tr>
<tr>
<td>Resident &amp; Clinical Courses</td>
<td>923,883</td>
<td>0</td>
<td>0</td>
<td>923,883</td>
</tr>
<tr>
<td>Investments</td>
<td>1,617,046</td>
<td>797,843</td>
<td>0</td>
<td>2,414,889</td>
</tr>
<tr>
<td><strong>Total Revenue</strong></td>
<td>$16,344,601</td>
<td>$3,346,098</td>
<td>$586,750</td>
<td>$20,277,449</td>
</tr>
</tbody>
</table>

### CONSOLIDATED REVENUE SOURCES

- Dues/Contributions Income
- Annual Meeting Income
- Publications
- EPM
- Fundraising
- Resident and Clinical Courses
- Investments
AANS Mission Statement
The American Association of Neurological Surgeons (AANS) is the organization that speaks for all of neurosurgery. The AANS is dedicated to advancing the specialty of neurological surgery in order to promote the highest quality of patient care.

AANS Vision Statement
- The American Association of Neurological Surgeons will ensure that neurosurgeons are recognized as the preeminent providers of quality care to patients with surgical disorders that affect the nervous system.
- The American Association of Neurological Surgeons will work to expand the scope of neurosurgical care as new technologies and treatments of neurological disorders become available.
- The American Association of Neurological Surgeons will be the organization speaking for neurosurgery through its communications and interactions with the public, media, government, medical communities, and third-party payers.
- The American Association of Neurological Surgeons will be its members’ principal resource for professional interaction, practice information and education.
- The American Association of Neurological Surgeons will promote and support appropriate clinical and basic science to expand the scope of neurosurgical practice.

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Gary M. Bloomgarden, MD, FAANS
Secretary
Frederick A. Boop, MD, FAANS
Treasurer
Alex B. Valadka, MD, FAANS
Immediate Past President
Mitchel S. Berger, MD, FAANS

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Samuel H. Greenblatt, MD, FAANS(L)

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Michael A. Chabraja, Esq

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Meeting Services
Member Services
Washington Office

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