

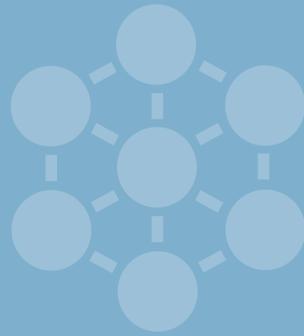


RESEARCH  
EDUCATION  
TREATMENT  
ADVOCACY

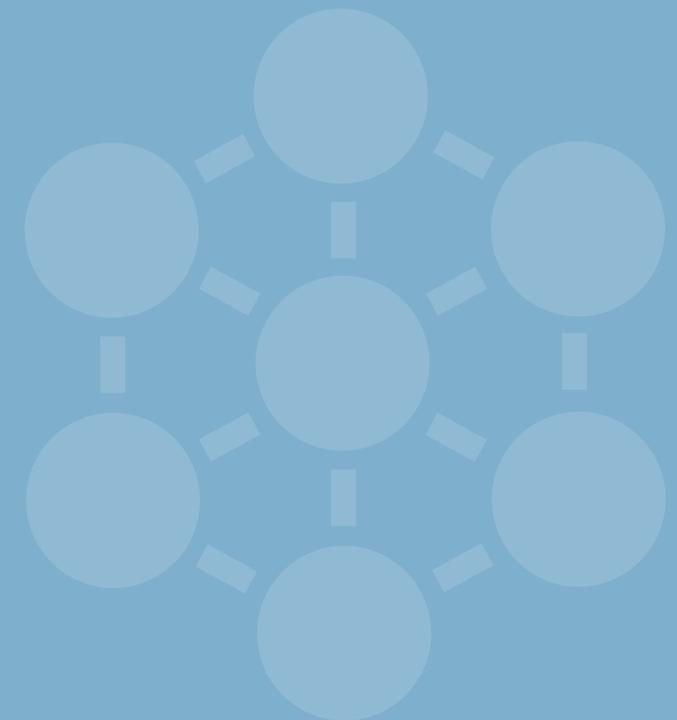
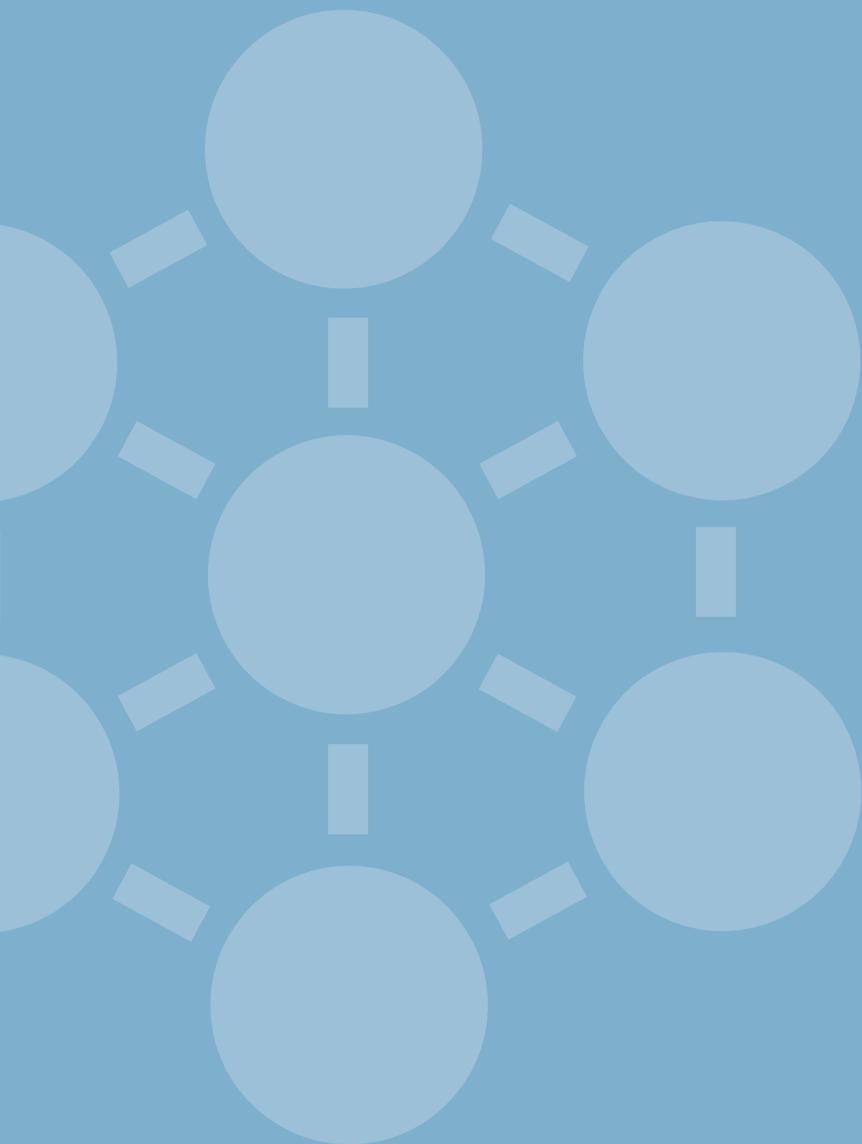
## The American Pain Society 2009 Annual Report

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**Together,** we're  
transforming research  
into relief.






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## APS: Leading the Field



**Charles E. Inturrisi, PhD,  
APS President, 2008–2010**

The APS 28th Annual Scientific Meeting demonstrated that APS is a guiding light in the field of pain. The sessions and topics continued to provide relevant, innovative information for the great number of attendees from a variety of disciplines. The meeting was well-attended despite the downturn in the economy, which affected meeting attendance across associations. At the meeting, I provided an address, updating the membership about the state of the society, highlighting APS accomplishments during the past year. This address is available for free download at the APS Web site ([www.ampainsoc.org](http://www.ampainsoc.org)) in the Online Store section, under “APS 09 Meeting Recordings.” We continue to strive to address research, education, treatment, and advocacy in everything we do.

APS is an organization with so many brilliant and energetic members. These accomplishments could not have been achieved without our great members and the executive committee and board members. This has been a great year; we are always working on exciting things, and I look forward to all of the great things to come!

### Research

To advance in the field of pain, we must always look toward the future and the young researchers working on behalf of pain professionals everywhere. Our Future Leaders in Pain Management Small Grants Research Program provided \$20,000 to five researchers. APS also awarded travel funding to 50 trainees so that they could attend the annual meeting.

APS continues to advocate for increased National Institutes of Health (NIH) funding for pain research. APS awarded a grant to the University of Utah to examine NIH funding for basic and clinical pain research. The researchers, including David Bradshaw, Dick Chapman, and their team, identified a disproportionate decrease in NIH support for pain research, indicating that in 2007 only 0.61% of the total NIH budget was allocated to support pain research.

This year, APS began a collaboration with the Rita Allen Foundation to grant the Rita Allen Foundation Award in Pain. APS partnered with the Rita Allen Foundation to award two grants of \$50,000 per year for three years for basic science research in pain.

### Education

APS introduced a new innovation in continuing education at the annual meeting this year: the interactive, live-action CME/CE activity in the exhibit hall, “The Pain Paradox: Providing Effective Relief While Mitigating Risk.” Attendees were able to earn continuing education credit on site.

In addition, junior investigators were able to present brief reports with feedback from respected scientists during the Data Blitz. Interactive workshops allowed attendees to investigate and explore issues more deeply, including migraine pain, cognitive aspects of pain, and grant writing. In addition, the debate held during the meeting provided a great opportunity to explore and discuss opioids for breakthrough pain in chronic noncancer pain.

Finally, the intensive, two-day Fundamentals of Pain Management: A Primer for Residents and Fellows course was a huge success in its eighth consecutive year. There were 100 attendees at the course, representing anesthesiology, neurology, physical and rehabilitation medicine, family medicine, and emergency medicine.

### Treatment

APS published the 6th edition of *Principles of Analgesic Use in the Treatment of Acute Pain and Cancer Pain* in late 2008 and the PDA product was introduced in 2009, allowing pain professionals the opportunity to access the guide electronically.

APS presented five pain centers with Clinical Centers of Excellence Awards at the gala held during the annual meeting. The committee reviewed a great number of applications and selected those programs that embody the attributes of a true interdisciplinary pain program.

In addition to the Clinical Centers of Excellence Awards, the committee presented the Walter Reed Army Medical Center with a Special Commendation for Innovation in Pain Management. The commendation recognized the Wounded Warrior Primary Care Clinics and the Center's employment of state-of-the-art, interventional therapies that are making an immense difference in the lives of troops who have been injured.



### Advocacy

During 2008–2009, the Pain Care Coalition (PCC), which comprises APS, the American Academy of Pain Medicine, the American Headache Society, and the American Society of Anesthesiology, advocated strongly for the field of pain. Both the Military and Veterans Pain Care Acts were passed in 2008. The National Pain Care Policy Act was reintroduced in 2009.

In addition, the Public Policy Committee improved funding for clinical pain management services. The committee has initiated a dialogue and meeting with Food and Drug Administration (FDA) representatives. APS submitted a reply to the FDA's call for comments on its opioid drug Risk Evaluation and Mitigation Strategies (REMS) plan of action.

APS has also developed a comprehensive list of the clinical competencies needed by prescribers and dispensers of opioids.

### Publications

*The Journal of Pain* continues to provide innovative, important research for APS members and nonmembers in the field of pain. *APS Bulletin* also offers pain professionals unique, expert perspectives on topics specific to this field, under the guidance of Steve Sanders, PhD, and the editorial board. Allen Lebovits, PhD, oversees *APS E-News*, which disseminates timely news announcements via e-mail from APS and other sources.





## Young Investigator Travel Award Recipients

APS is pleased to have awarded Young Investigator Travel awards to 48 trainees to attend the 2009 annual meeting. These individuals presented their research during designated paper and poster sessions. The APS meeting creates a milieu in which scientists and clinicians can share relevant information from their different perspectives, frequently leading to advances in clinical care.

### 2009 Young Investigators

- Emily Bartley, MS**  
University of Tulsa
- Laura Blackwell, MA**  
University of Miami
- Patricia Bourgault, RN PhD**  
University of Sherbrooke
- Justin Brown**  
Stanford University
- Claudia Campbell, PhD**  
Johns Hopkins School of Medicine
- Philippe Chalaye**  
University of Sherbrooke
- Yan Chen**  
University of Illinois at Chicago
- Sungkun Cho, MS**  
University of Hawaii at Manoa
- Jason Craggs, PhD**  
University of Florida
- Kathleen Darchuk, PhD LP**  
Mayo Clinic
- Jennifer DelVentura**  
University of Tulsa
- Laura Ellingson, MS**  
University of Wisconsin-Madison

**Stacy Flowers, PsyD**  
Cincinnati Children's Hospital  
Medical Center

**Aleda Franz, MA**  
Wayne State University

**Burel Goodin, MA**  
University of Maryland,  
Baltimore County

**Linda Hatfield, PhD CRNP**  
University of Pennsylvania

**Adam Hirsh, PhD**  
University of Washington

**Corey Hunter, MD**  
NYU Langone Medical Center

**Syed Husain, DO**  
NYU Langone Medical Center

**Christopher King, PhD**  
University of Florida College  
of Dentistry

**Marina Korkmazsky, MS**  
Mount Sinai Medical Center

**David Lam, DDS PhD**  
University of California, San Francisco

**Laura Leong**  
Wayne State University

**Qian Lu, PhD**  
University of Houston

**Tara Macey, PhD**  
Washington State University

**Katherine Martucci**  
Wake Forest University

**Danesh Mazloomdoost, MD**  
Johns Hopkins Medical Institute

**Rebecca McCue**  
Stanford University

**Lisa Miller**  
Wayne State University

**Melanie Morin**  
University of Sherbrooke

**Lauren Newcomb, MS**  
University of Wisconsin-Madison

**Anne Nisenzon, MS**  
University of Florida

**Shreela Palit**  
University of Tulsa

**Laura Pence, MA**  
University of Alabama

**Theodore Price, PhD**  
University of Arizona

**Alexandre Quevedo, PhD**  
Wake Forest University  
School of Medicine

**Noel Quinn**  
University of Maryland,  
Baltimore County

**Margarete Ribeiro-Dasilva,  
DDS PhD MS**  
University of Florida College  
of Dentistry

**LaDonna Saxon, PhD**  
James A. Haley Veterans  
Medical Center

**Cindy Scipio, MA**  
Duke University

**David Seminowicz, PhD**  
McGill University

**Kevin Shute, MD**  
Wake Forest University  
School of Medicine

**Meghan Tieu, AB**  
Stanford University  
Medical Center

**Patricia Tsui, PhD**  
Columbia University Medical Center

**Carolina Valencia**  
University of Florida

**Ashley Vincent**  
University of Tulsa

**Timothy Wideman**  
McGill University

**Cheng Yang**  
University of Illinois at Chicago



## Rita Allen Foundation Award in Pain

This year, APS began a collaboration with the Rita Allen Foundation to grant the Rita Allen Foundation Award in Pain. APS partnered with the Rita Allen Foundation to award two grants of \$50,000 per year for three years for basic science research in pain. Over three years, APS and the Rita Allen Foundation will award as much as \$900,000 to six recipients. This awards program is a model for the collaboration between a foundation and a society that share common goals. We hope this will be the first of many collaborations to come.

### This Year's Recipients

**Theodore Price, PhD**  
University of Arizona  
*Translations Regulation as a Novel Paradigm for Understanding Nociceptor Sensitization and Developing Analgesic Targets*

**Steven Prescott, MD PhD**  
University of Pittsburgh  
*Pain Processing in Neural Networks: A Critical Link Between the Molecular and Perceptual Changes*





## Future Leaders in Pain Research Small Grants

The 2008 Future Leaders in Pain Research Small Grants Program offered funding for five researchers, in the amount of \$20,000. To be eligible, grant applicants must be APS members who are within six years of completion of their terminal degrees and have not yet been awarded major National Institutes of Health or foundation grant funding. There were 20 competitive applications for funding this year. Members of the APS Small Grants Committee reviewed and scored the applications in preparation for selection of grant recipients.

### Small Grant Recipients

APS is proud to announce the following 2008 grant recipients. Each of these recipients will attend the 2010 Annual Scientific Meeting to report on the progress of their research studies.

#### **Patrick D. Braun, PhD**

University of Minnesota  
Minneapolis, MN  
*Signaling Mechanism of Novel Peptides in the Pain Pathway*

#### **Gregory O. Dussor, PhD**

University of Arizona  
Health Sciences Center  
Tucson, AZ  
*Cutaneous Nociceptors Respond to Mediators Released from Skin Cells*

#### **Tara A. Macey, PhD**

Washington State University  
Vancouver, WA  
*The Role of Akt Signaling in Morphine Tolerance*

#### **Khara M. Ramos, PhD**

University of Colorado at Boulder  
Boulder, CO  
*Beyond Astrocytes and Microglia: The Role of Oligodendrocytes and Endothelial Cells in Exaggerated Pain States*

#### **Edgar Alfonso Romero-Sandoval, MD PhD**

Dartmouth-Hitchcock Medical Center  
Lebanon, NH  
*Cannabinoids and Glial Interactions in Acute and Chronic Pain*

## APS Annual Meeting

APS holds an annual scientific meeting where the best and the brightest in pain research and treatment gather to learn, network, and share information that advances the science of pain and positively affects patient outcomes. The meeting offers attendees continuing education credits in medicine, nursing, psychology, and pharmacy. Symposia held at the annual meeting feature the most comprehensive mix of science, research, and clinical applications to achieve professional growth.

The APS 28th Annual Scientific Meeting in San Diego, CA, offered wonderful networking and learning opportunities. The APS Scientific Program Committee, chaired by Knox Todd, MD PhD, created an appealing program for all attendees from a wide variety of disciplines. More than 130 distinguished faculty members shared their expertise and research findings.



More than 1,300 attendees represented 21 countries at this year's meeting. Members and nonmembers traveled from 49 states. Medical specialties represented included anesthesiology, neurology, physical medicine, internal medicine, family practice, pediatrics, and others. Additional professional disciplines represented included psychology, pharmacy, nursing, basic science, behavioral science, and others in which clinicians, researchers, educators, consultants, and administrators work.

Attendees had the option of numerous plenary sessions, more than 300 poster abstracts, eight corporate satellite symposia, and special events such as the Pain Paradox corporate educational program, the Clinical and Basic Science Data Blitz, the Awards Gala, and an Evening with the Pain Sensations.

The preconference data blitz was held again this year after a successful debut last year. Authors were encouraged to submit "hot topics" for presentation and submissions from young investigators and junior faculty were particularly encouraged. Selected presenters had 5 minutes to present data and 5 additional minutes to answer questions. The blitz was expertly moderated by Robert Yeziarski, PhD, and Marie Hoger-Bement, PhD PT. Ten abstracts were selected for presentation covering topics from the influence of contextual clues on nurses' pain judgments to pain, fatigue, and sleep/wake patterns in children and adolescents with cancer.

For the first time, APS offered a corporate educational program onsite in the exhibit hall. The live-action CME/CE activity entitled "The Pain Paradox: Providing Effective Relief While Mitigating Risk" allowed attendees to earn hands-on continuing education in an expert-guided learning experience consisting of a multimedia gallery featuring a presentation of practical information coupled with a live patient and peer-to-peer interaction.

APS hosted its third annual awards gala to recognize the accomplishments of leaders who have made extraordinary contributions to the field of pain.

### 2009 Annual Award Winners

**John and Emma Bonica Public Service Award**  
Ada Rogers, RN

**Wilbert E. Fordyce Clinical Investigator Award**  
Roger Fillingim, PhD

**Frederick W. L. Kerr Basic Science Research Award**  
Joyce DeLeo, PhD

**Jeffrey Lawson Award for Advocacy in Children's Pain Relief**  
Patrick McGrath, PhD

**John C. Liebeskind Early Career Scholar Award**  
Steven George, PhD PT

**Elizabeth Narcessian Award for Outstanding Educational Achievements**  
Carmen Green, MD

**Distinguished Service Award**  
Sandra E. Ward, PhD RN FAAN



### ***The Journal of Pain***

APS publishes *The Journal of Pain (JOP)*, a peer-reviewed, monthly scientific journal that focuses on issues related to pain, including clinical and basic research, patient care, education, and health policy. The journal's distinguished editorial board reflects the broad and interdisciplinary nature of the field. The journal provides a forum for researchers, basic scientists, clinicians, and others to publish original research and explore controversies. The translation of current research into pain management strategies and the need for further investigation is highlighted.

The impact factor for *JOP* has steadily increased each year since being indexed, however, the journal's impact factor for 2008 was 3.387, which was a slight decrease from 2007 (3.578).

An invited review has appeared in each issue in the current volume as part of the celebration of the journal's tenth year. In addition, submissions have increased significantly this year to date. *JOP* still invites manuscript reviews from three referees and decisions on the majority of manuscripts are made on the basis of three reviews. As the number of submissions has increased steadily over the past several years, the percentage of manuscripts accepted decreases.

### ***APS E-News***

*APS E-News*, published monthly, is an essential communication vehicle for the society. It includes important announcements about APS programs, the annual meeting, timely pain-specific information, and links to pain-related news, funding opportunities, and more. The electronic publication, which is led by editor Allen Lebovits, PhD, continuously seeks to improve readership by surveying members and noting the most popular features.

In addition to providing news and links to important information, *APS E-News* also includes direct links to online social media tools including LinkedIn and Facebook, where members can network and interact in real-time.

### ***APS Bulletin***

*APS Bulletin* is the official newsletter of the society. It is published three times per year and offers content in four important topic areas: advocacy, education, treatment, and research.

During 2008 and 2009, the *Bulletin* addressed relevant, timely topics and issues for APS members and other pain professionals. The APS staff writer conducts in-depth interviews with leaders in the field and includes their expert perspectives in various feature articles, spanning a multitude of sections, including translational research. Utilizing the staff writer's services allows the *Bulletin* department editors to seek out important issues and provide substantive, thought-provoking information to both APS members and nonmembers.

A goal for the *Bulletin* editors and staff is to consult *APS E-News* for important and timely topics that may merit further in-depth investigation in longer articles in the *Bulletin*.



## Clinical Centers of Excellence in Pain Management

The Clinical Centers of Excellence (CCOE) in Pain Management Awards Program recognizes U.S.-based multidisciplinary healthcare teams that provide distinguished, comprehensive pain care. This year's recipients of the CCOE awards were selected from an incredibly strong field of applicants from healthcare settings both large and small from around the country.

In addition to providing top-level, multidisciplinary pain care, these programs also demonstrate a willingness to serve as examples to other pain management programs and share best practices with interested professionals.

### Criteria

The CCOE in Pain Management Award honors programs that

- provide care that is patient centered, state of the art, evidence based, cost conscious, culturally appropriate, and safe
- provide appropriate access to interdisciplinary and multimodal care and other specialists from a variety of disciplines to ensure expert care
- act as local champions to improve pain management in systems of care that are related to the program, or are regional or national
- demonstrate innovation and serve as models of excellence in the structure, processes, and outcomes that are critical for excellence in pain management
- actively work with other healthcare organizations and the community to improve the quality of pain management across the continuum of care
- demonstrate a commitment to advancing scientific knowledge related to pain and making relevant information available to patients, colleagues, and the public.

### 2009 CCOE Award Recipients

APS is extremely proud to recognize its CCOE award recipients. These recipients exemplify the many multidisciplinary clinical programs throughout the United States.

#### M. D. Anderson Cancer Center

The University of Texas  
Department of Pain Medicine  
Houston, TX

#### Beth Israel Medical Center

Department of Pain Medicine  
and Palliative Care  
New York, NY

#### University of Virginia

Division of Pain Medicine  
Department of Anesthesiology  
Charlottesville, VA

#### Rehabilitation Institute of Chicago

Chicago, IL

#### University of California, Los Angeles

Pediatric Pain Program  
Mattel Children's Hospital  
David Geffen School of Medicine  
Los Angeles, CA





## Evidence-Based Guidelines

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APS has published evidence-based clinical practice guidelines since 1997. The program is a comprehensive, multidisciplinary, ongoing effort to develop guidelines and ensure their dissemination and implementation. It adheres to state-of-the-art scientific principles of guideline development and evaluation.

To guide this program, APS has established a Clinical Practice Guidelines Committee, chaired by Christine Miaskowski, PhD RN FAAN. The committee identifies topics for guideline development, oversees and ensures the validity of the guideline development process, and advises on policy and dissemination issues.

The guidelines program is led by Roger Chou, MD, of the Oregon Health and Science University's Evidence-Based Practice Center. Dr. Chou and his staff work with multidisciplinary expert panels to define guideline scope and key questions, develop evidence reviews, develop recommendations, conduct peer review, and finalize guideline recommendations for publication.

Two guidelines, "Clinical Guidelines for the Use of Chronic Opioid Therapy in Chronic Noncancer Pain" and "Interventional Therapies, Surgery, and Interdisciplinary Rehabilitation for Low Back Pain: An Evidence-Based Clinical Practice Guideline From the American Pain Society" were published in 2009. The guideline focused on opioids was published in *The Journal of Pain* (February 2009) and the guideline focused on low back pain appeared in *Spine* (May 2009).

### **Principles of Analgesic Use in the Treatment of Acute Pain and Cancer Pain**

The sixth edition of *Principles of Analgesic Use in the Treatment of Acute Pain and Cancer* was published in December 2008. The electronic version of the guide was developed for personal digital assistants (PDA). Members and nonmembers received information throughout 2009 regarding this product and the free 3-month trial of the electronic version.

## Advocacy

During 2008–2009, the Pain Care Coalition (PCC), which comprises APS, the American Academy of Pain Medicine, the American Headache Society, and the American Society of Anesthesiology, advocated strongly for the field of pain. Both the Military and Veterans Pain Care Acts were passed in 2008.



The Public Policy Committee improved funding for clinical pain management services. The committee also continues to provide input and information to the FDA regarding Risk Evaluation and Mitigation Strategies for opioid drugs.

In addition, the National Pain Care Policy Act was reintroduced in 2009. It passed the House in amended form on March 31, 2009, was received in the Senate, and referred to the Committee on Health, Education, Labor, and Pensions. The Act requires the Secretary of Health and Human Services to seek to enter into an agreement with the Institute of Medicine to convene a Conference on Pain to increase awareness of pain as a “significant public health problem in the United States.” It also must evaluate the adequacy of assessment,

diagnosis, treatment, and management of acute and chronic pain both in the general population and in groups that may be disproportionately affected by inadequacies. The Conference on Pain also must identify barriers to appropriate pain care and establish an agenda to reduce those barriers and improve the state of pain care research, education, and clinical care in the United States significantly.

Also, it amends the Public Health Service Act to require the Director of the National Institutes of Health (NIH) to continue and expand, through the Pain Consortium, an aggressive program of basic and clinical research investigating the causes of and potential treatments for pain. The Act requires the Pain Consortium to develop and submit to the NIH Director recommendations on appropriate pain research initiatives that could be undertaken with funds available for such initiatives.

The Act requires establishment and implementation of a national pain care educational outreach and awareness campaign to educate consumers, patients, their families, and other caregivers with respect to pain as a national public health problem; the adverse physical, psychological, emotional, societal, and financial consequences; and the availability, benefits, and risks of all pain treatment and management options.





## About APS

APS was the first national society to dedicate itself solely to the science of pain and is the only such organization to establish a multidisciplinary, evidence-based approach to both research and clinical treatment. Founded in 1977, APS is a professional membership organization and a national chapter of the International Association for the Study of Pain (IASP).

### Mission

APS is a multidisciplinary community that brings together a diverse group of scientists, clinicians, and other professionals to increase the knowledge of pain and transform public policy and clinical practice in order to reduce pain-related suffering.

### APS 2009–2010 Board of Directors

#### President

Charles E. Inturrisi, PhD

#### President-Elect

Seddon R. Savage, MD

#### Treasurer

David Williams, PhD

#### Secretary

Mark Jensen, PhD

#### Directors at Large

Miroslav Backonja, MD

David S. Craig, PharmD BCPS

Carolyn Fairbanks, PhD

Roger Fillingim, PhD

Gayle Page, DNSc RN

Julie Sorenson Franklin, MD MPH

Greg Terman, MD PhD

Knox Todd, MD MPH

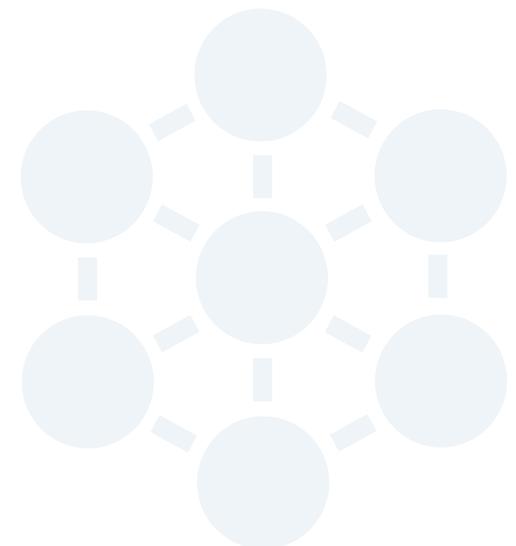
Diana Wilkie, PhD RN FAAN

#### Liaison to IASP

Kathleen A. Sluka, PhD



**Together,** we're  
transforming research  
into relief.

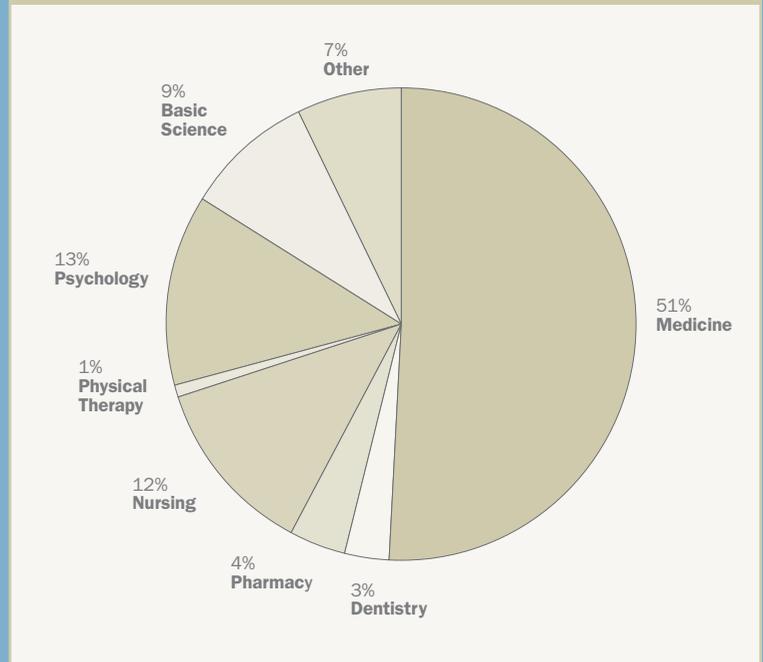


## Membership Information

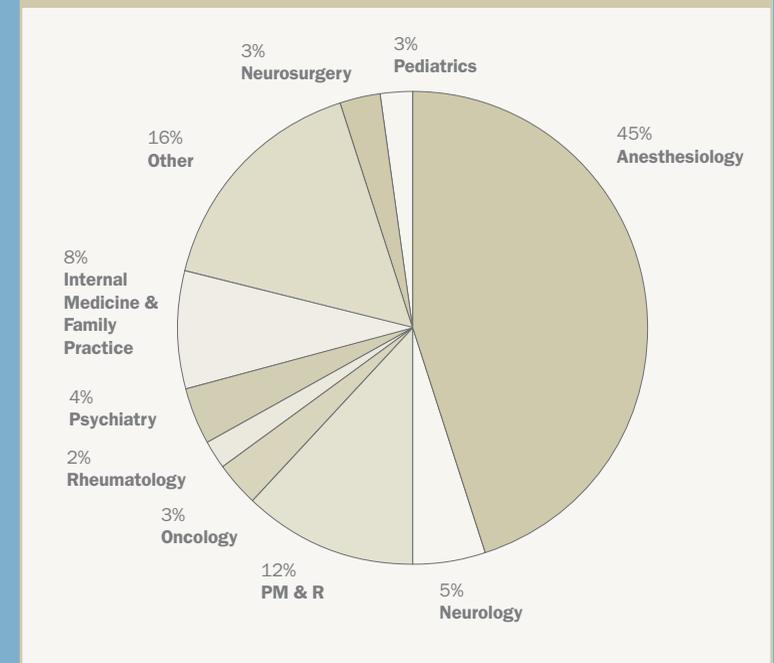
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The more than 3,000 APS members include health professionals (e.g., physicians, psychologists, nurses, physical therapists, pharmacists), basic scientists, policy makers, lawyers, and others who have an interest in the study and treatment of pain. Membership categories include regular, affiliate, student/trainee, and corporate members.

Members by Discipline



Physician Members by Medical Specialty





### Special Interest Groups

APS hosts a growing number of special interest groups (SIGs), the newest of which is the Pain Education SIG. SIGs encourage members from all disciplines to gather, study, and exchange views on areas of common interest. Many SIGs meet at the annual scientific meeting. Participation is open to all members. The current SIGs represent the varied interest of the society's members.

- Basic Science
- Clinical Trials
- Pain Disparities
- Ethics
- Forensics
- Genetics and Pain
- Geriatric Pain
- Measurement of Pain and Its Impact
- Nursing Issues
- Pain Education
- Pain in Infants, Children, and Adolescents
- Pain Rehabilitation
- Palliative Care
- Pharmacotherapy
- Psychosocial Research

### Regional Sections

APS has six regional sections affiliated by membership and bylaws with the national organization. Regional sections offer members in most areas of the United States the option to participate in local or regional activities organized by these groups. Regional sections offer continuing education and networking opportunities, and many sections offer a regional newsletter and Web site. Membership in an APS regional section is separate from national membership, and dues are charged by individual regional affiliates.

### Regional Sections

- Eastern Pain Association
- Greater Philadelphia Pain Society
- Midwest Pain Society
- New England Pain Association
- Southern Pain Society
- Western Pain Society



## 2008 Audited Financial Statements

### Income Statement

Revenue	\$3,172,615
Expenses	\$3,435,135
<b>Net Income from Operations</b>	<b>\$(262,520)</b>

### Assets

Cash, investments, & accounts receivable	\$2,587,942
Other	\$626,115
<b>Total Assets</b>	<b>\$3,214,057</b>

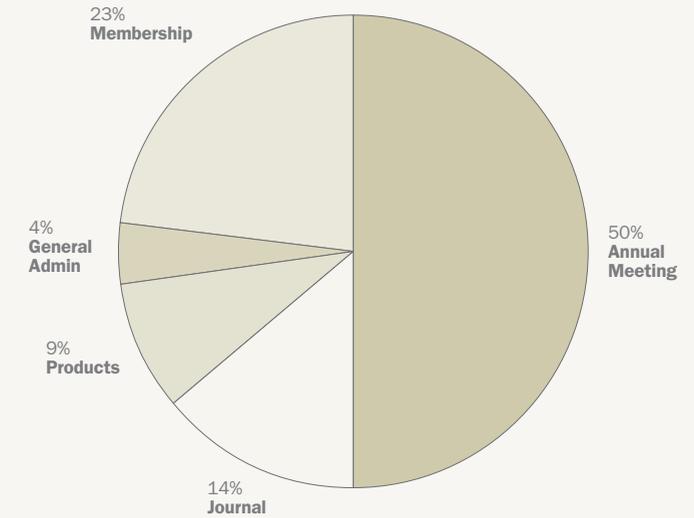
### Liabilities

Accounts payable/accrued expenses	\$482,753
Deferred dues	\$318,969
Deferred liabilities	\$1,277,488
<b>Total Liabilities</b>	<b>\$2,079,210</b>

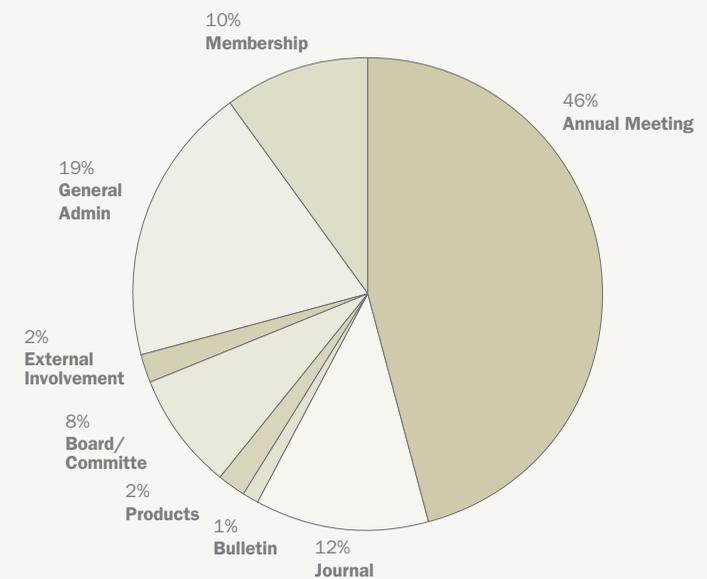
### Reserves

Reserve fund/unrestricted	\$801,566
Reserve fund/BOD designated	\$128,537
Reserve fund/restricted	\$204,744
<b>Total Fund Balance</b>	<b>\$1,134,847</b>

### Sources of Revenue



### Expenses by Category





RESEARCH  
EDUCATION  
TREATMENT  
ADVOCACY