



RESEARCH  
EDUCATION  
TREATMENT  
ADVOCACY

A photograph of laboratory glassware, including test tubes and beakers, containing a blue liquid. A pipette is shown in the foreground, dispensing liquid into one of the beakers. The background is blurred, showing more glassware and a greenish light.

**American Pain Society  
2011 Annual Report**



**Message from the 2010–2012 President**

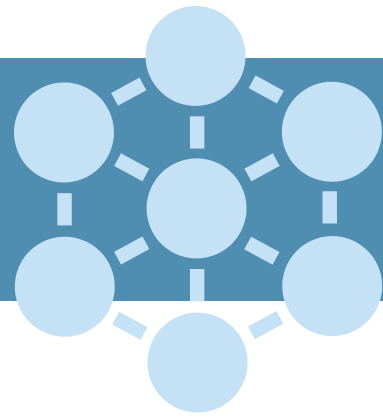
**Research**

**Education**

**Treatment**

**Advocacy**

**About APS**



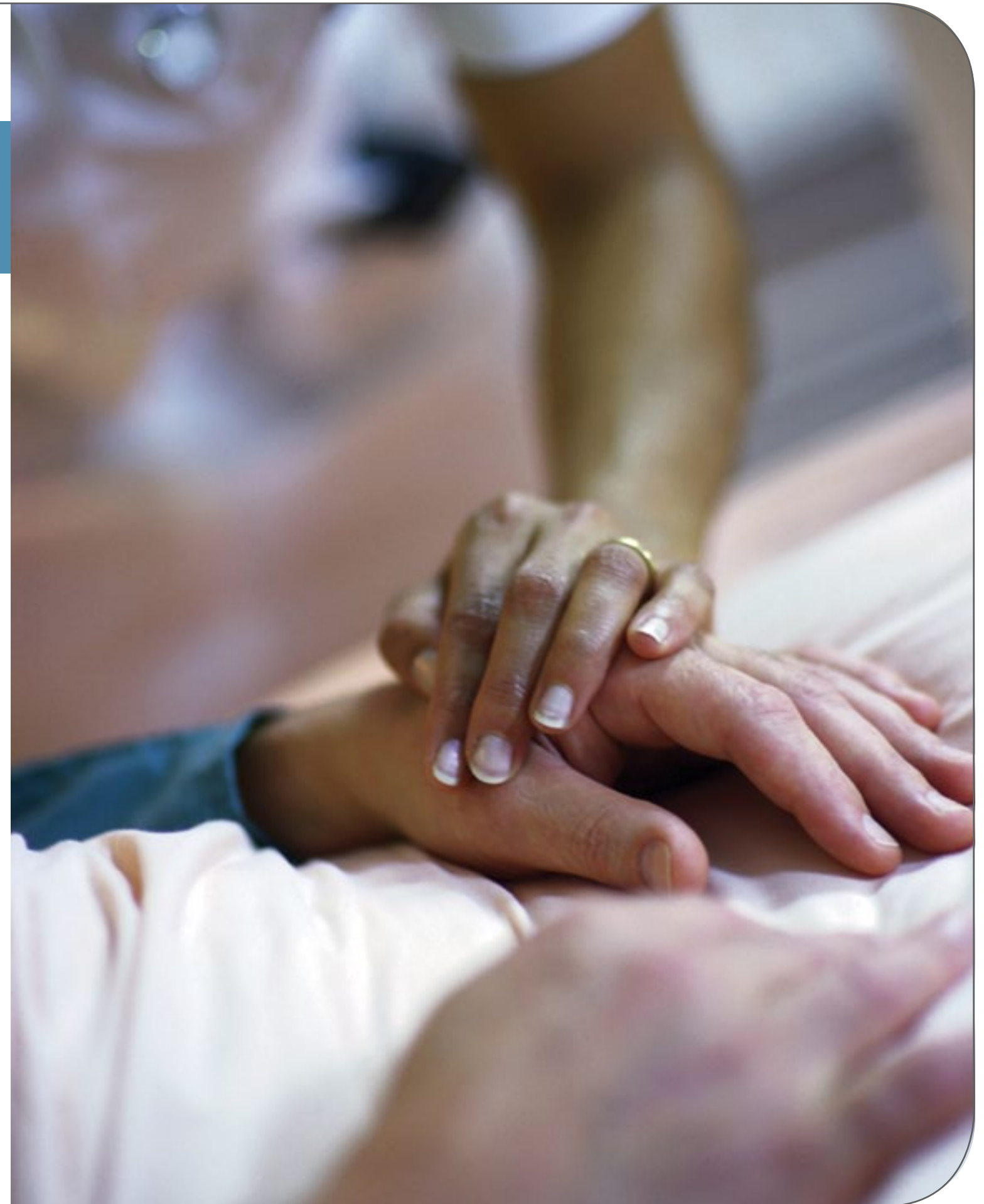
## Message from the 2010-2012 President

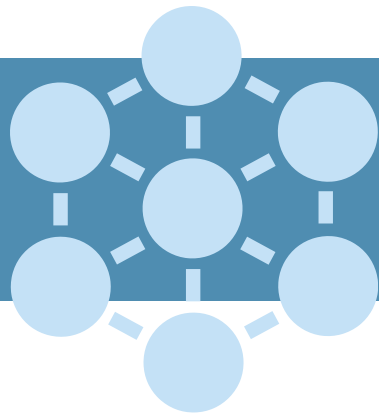
### **APS: Advancing the Science and Treatment of Pain**



**Seddon R. Savage, MD MS**  
APS President, 2010-2012

The American Pain Society (APS) envisions a world where pain prevention and relief are available to all people. Throughout 2011, APS has continued to effectively influence the evolution of public and private regulations, policies, and practices in a manner that supports this vision. At the APS 30th Annual Scientific Meeting in Austin, TX, the society reinforced its position as a leader in the advancement of the science and interdisciplinary treatment of pain in bringing together researchers and clinicians for diverse and animated collaborative learning opportunities. At the meeting, I updated the membership on the state of the society and highlighted the many accomplishments of APS that are detailed in this report. Over the past year, APS has enhanced its ability to advance our mission by identifying a Board member to oversee the activities of each of our mission domains—research, education, treatment and advocacy—and our administrative areas—membership, finance, governance and communications. We are deeply grateful for the rich contributions of all APS members to the field of pain and for your vibrant participation in the work of APS.





## Research

### Future Leaders in Pain Research Grants Program

The 2010 Future Leaders in Pain Research Grants Program offered funding for five researchers in the amount of \$20,000 each. To be eligible, grant applicants must be APS members who are within 6 years of completion of their terminal degree and have not yet been awarded major National Institutes of Health (NIH) or foundation grant funding. Members of the APS Small Grants Committee reviewed and scored the applications in preparation for selection of grant recipients. APS is proud to announce the following 2010 grant recipients who reported on the progress of their research studies at the 2011 Annual Scientific Meeting.

**Steve Davidson, PhD**

Washington University in St. Louis  
St. Louis, MO

*"Reversal of Peripheral Sensitization by Group II Metabotropic Glutamate Receptors"*

**Christopher D. King, PhD**

University of Florida College of Dentistry  
Gainesville, FL

*"Opioid Modulation of Two Models of Pain Inhibition in Healthy Controls and Patients with Temporomandibular Disorder (TMD)"*

**Jennifer E. Lee, PhD**

University of Iowa  
Iowa City, IA

*"Transcutaneous Electrical Nerve Stimulation (TENS) and Mucositis Cancer Pain"*

**Shivani B. Ruparel, PhD**

University of Texas Health Science Center at  
San Antonio

San Antonio, TX  
*"Role of Oxidized Linoleic Acid Metabolites"*

**Kimberly T. Sibille, PhD**

University of Florida  
Gainesville, FL

*"Effects of Chronic Pain and Psychosocial Stress on Telomere Length and Telomerase Activity"*





**Young Investigator Travel Award**

APS was pleased to grant 40 trainees Young Investigator Travel Awards to attend the 2011 Annual Scientific Meeting in Austin, TX. 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 differing perspectives, frequently leading to advances in clinical care. The APS Young Investigator Travel Award program is made possible through an allocation of APS operating funds.

**2011 Young Investigators**

**Laura B. Allen, PhD**  
University of California, Los Angeles

**Ryan Anderson**  
University of Florida

**Marina Asiedu**  
University of Arizona

**Alyssa Baker**  
University of Texas Medical Branch

**Patricia Batista, PhD**  
Washington University in St. Louis

**Jason M. Beneciuk, PT**  
University of Florida

**Cady Block, MS**  
University of Alabama

**Sara Bounds**  
Johns Hopkins University School of Medicine

**Timothy Burnight**  
University of Houston

**Ling Cao, MD PhD**  
University of New England

**Hong Chen, DDS MS**  
University of North Carolina at Chapel Hill

**Nicholas Cooper, DPT**  
University of Iowa

**Yenisel Cruz-Almeida, MSPH**  
Miami VA Medical Center

**Timothy Doyle, PhD**  
St. Louis University

**Laura Ellingson, MS**  
University of Wisconsin

**Milena Fernandes Freitas**  
University of São Paulo

**Rosann Govea**  
University of Texas Medical Branch

**Stanislava Jergova, PhD**  
University of Miami

**Kevin Johnson, PhD RN**  
Stanford University

**David M. Keelen, MD**  
University of Texas Medical Branch

**Nkaku Kisaalita**  
University of Florida

**Joseph P. Kitzmiller, MD PhD**  
The Ohio State University

**Bethany Kuhn**  
University of Tulsa

**Emily Law, PhD**  
Seattle Children's Hospital

**Dang K. Le, MD**  
University of Washington

**Mylene Levesque**  
Université de Sherbrooke

**Joshua Little, DC**  
St. Louis University School of Medicine

**Dayna R. Loyd, PhD**  
University of Texas Health Science Center

**Ohannes K. Melemedjian, PhD**  
University of Arizona

**Jeffrey Parr, PhD ATC**  
University of Florida

**Emilie Paul-Savoie**  
Université de Sherbrooke

**Michael Perloff, MD PhD**  
NYU Hospital for Joint Diseases

**Aimee Rodolff, MA LPC**  
Clinical Care Consultants

**Madeline P. Schwartz, PsyD MSE**  
Columbia University Medical Center

**Morgan R. Shields, MS**  
University of Wisconsin

**Dmitri Souzdalnitski, MD PhD**  
Cleveland Clinic

**Dipti V. Tillu**  
University of Arizona

**Makoto Tsunozaki, PhD**  
University of California, Berkeley

**Habiba Vongtau, PhD MSc BPharm**  
University of Pittsburgh

**Lynda K. Wargolet, MA**  
Clinical Care Consultants



### **APS and Rita Allen Foundation Scholars in Pain Recipients**

APS joined the Rita Allen Foundation (RAF) in announcing recipients of the organizations' collaborative Scholars in Pain program. This is the third year APS and RAF have worked together to promote the grant program, judge applications, and select recipients. The 2011 grant recipients are as follows:

#### **Edgar A. Romero-Sandoval, MD PhD**

Assistant professor, anesthesiology, pharmacology, and toxicology, Dartmouth Hitchcock Medical Center, for his project "Spinal Cord Mechanisms in the Resolution of Postoperative Pain"

#### **Yuan-Xiang Tao, PhD**

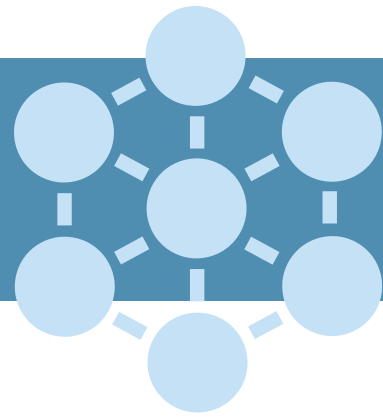
Associate professor, anesthesiology/critical care medicine, Johns Hopkins University School of Medicine for his project "Discovery of a Large Native Non-Coding RNA and Its Involvement in Neuropathic Pain"

Candidates for the Rita Allen Award in Pain have completed their training and provided persuasive evidence of distinguished achievement or extraordinary promise in basic science research in pain. Preferred candidates are in the early stages of their careers of appointment at a fully independent faculty level.

The Rita Allen Foundation was established in 1953 and sponsors a program that has supported more than 90 scholars over the last 30 years, many of whom have made important advances in medical research.

Over 3 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. APS hopes this will be the first of many collaborations to come.

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where pain prevention  
and relief are available  
to all people.



## Education

### APS Annual Scientific Meeting

APS's main educational objective is for clinicians, providers, and payers to recognize APS as the primary educational source for the acquisition and dissemination of the latest scientific information on pain and its treatment. Each year APS holds a 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. In 2011, the APS Annual Scientific Meeting once again featured the consistently successful special interest group meetings, symposia, and interactive workshops.

The meeting offered attendees continuing education credits in medicine, nursing, psychology, and pharmacy. Symposia featured a mix of science, research, and clinical applications to achieve professional growth.

The APS 2011 Annual Scientific Meeting held in Austin, TX, was attended by more than 1,300 pain professionals from across the country and around the world. Attendees were provided with a plethora of educational choices, including the opportunity to hear from Dr. Josephine Briggs, director of the National Center for Complementary and Alternative Medicine, on a variety of complementary and alternative health practices; Dr. Frank Porreca on neuropathic pain mechanisms; and Dr. Henrik Kehlet on persistent postsurgical pain, as well as many others. Poster presentations and the Data Blitz offered snapshots of the latest research data. There were also a number of corporate satellite symposia that offered valuable content.

The APS Scientific Program Committee, chaired by Gilbert J. Fanicullo, MD MS, created an appealing program for attendees from a wide variety of disciplines. More than 130 distinguished faculty members shared their expertise and research findings. Attendees represented a variety of disciplines. Medical specialties that were represented included anesthesiology, family practice, internal medicine, neurology, pediatrics, and physical medicine. Additional professional disciplines that were represented included basic science, behavioral science, nursing, pharmacy, psychology, and others in which clinicians, researchers, educators, consultants, and administrators work.

APS held "Managing the Patient in Pain: A Visit-by-Visit Skills Seminar for the Primary Care Professional." This skills seminar, geared toward primary care practitioners, offered strategies to evaluate the quality of pain care in a primary care practice setting, the opportunity to create a plan for change, and the tools necessary to positively impact care.

The 10th annual "Fundamentals of Pain Management Course: A Primer for Residents and Fellows" was held during 2 days. The course—which is designed for candidates interested in anesthesiology, emergency medicine, family medicine, internal medicine, neurology, pain management, and physical and rehabilitation medicine—continued its long history of success with 100 attendees.

APS is committed to ongoing educational innovations at this meeting. The annual meeting is an excellent way to stay current and tap into the multidisciplinary resources APS offers.

### 2011 Annual Award Winners

#### John and Emma Bonica Public Service Award

Ronald Dubner, PhD DDS

#### Wilbert E. Fordyce Clinical Investigator Award

Michael C. Rowbotham, MD

#### Frederick W. L. Kerr Basic Science Research Award

Arthur "Bud" Craig, Jr., PhD

#### Jeffrey Lawson Award for Advocacy in Children's Pain Relief

Steven J. Weisman, MD

#### John C. Liebeskind Early Career Scholar Award

Theodore J. Price, PhD

#### Elizabeth Narcessian Award for Outstanding Educational Achievements

Daniel B. Carr, MD

#### Distinguished Service Award

Judith A. Paice, PhD RN FAAN

#### Kathleen M. Foley Journalist Award

John Cloud

Alice Park

Claire Suddath



Mark Jensen, PhD

### **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.

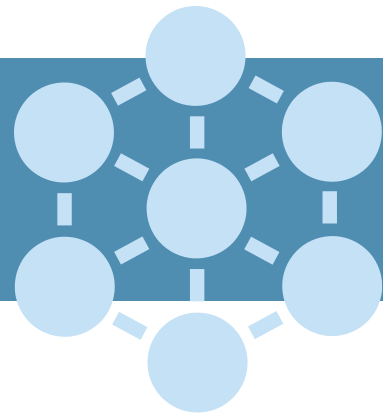
Mark Jensen serves as editor-in-chief of *JOP*. Under his leadership, *JOP* continues to thrive and provide innovative, important research for APS members and nonmembers in the field of pain, and submissions to the journal continue to increase steadily. The most current impact factor (for 2010) is 4.81, the highest number ever for the journal, placing the publication in the first quartile of clinical neurology journals and in the top third of neuroscience journals. New submissions continue to grow; the increase between 2009 and 2010 was 10%. To date in 2011, the number of submissions has grown by an additional 15% compared with the same period last year. During 2010, the journal's acceptance rate decreased to 72%; so far in 2011, it has remained at this level.

As submissions increase, yearly page allotments increase as well. In 2011, APS will publish 1,220 pages. Concerns over a publication backlog in recent years have been addressed by publishing additional pages late in 2010 and in early 2011 and also by raising the standards for publication. The current publication backlog is approximately 4 months, which is a vast improvement. *JOP* continues to maintain international appeal. More than 60% of submissions are from authors outside of the United States.

### **APS E-News**

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

This year, *APS E-News* underwent a redesign to better align itself with the new look of the APS website as well as the four major domains of the society. Information is consistently structured under the four domains—advocacy, research, treatment, and education—along with society news, journal highlights, member news, and pain in the media. In addition to providing news and links to important information, *APS E-News* includes direct links to online social media tools including LinkedIn and Facebook where members can network and interact in real time. One goal of *APS E-News* is to become even more interactive.



## Treatment

### Clinical Centers of Excellence in Pain Management Awards Program

The APS Clinical Centers of Excellence (CCOE) in Pain Management Awards Program, established in 2007, recognizes multidisciplinary pain management programs of the highest quality in the United States. During the past 5 years, the CCOE program recognized 28 programs that serve as exemplars of excellence in pain management, awarded honorable mentions to 21 programs, and conferred a special commendation to the Walter Reed National Military Medical Center to recognize their innovative care for those injured in combat.

The CCOE in Pain Management Awards Program annually awards United States-based, interdisciplinary healthcare teams that provide the most distinguished, comprehensive pain care. The CCOE Awards Program has two categories of awardees: university-based programs and community-based programs. University-based programs are those that, in addition to providing superior clinical care, are exemplars of academic excellence, with active research, educational, and administrative programs. Community-based programs are those that provide superior clinical care in either a freestanding clinic, community hospital, or integrated healthcare system. Among meeting other award criteria, CCOE award recipients must demonstrate how their care is patient-centered, evidence-based, and safe; provides appropriate access to multidisciplinary and multimodal care; employs various therapeutic modalities; acts as a local champion to improve pain management in systems of care; demonstrates innovation and serves as a model of excellence; and shows a commitment to advancing the scientific knowledge related to pain.

The goal of the CCOE Awards Program remains unchanged—to advance the quality of pain management in the United States by recognizing and rewarding excellence in quality clinical care. Through recognition of multidisciplinary pain management programs that deliver clinical care of the highest order, APS will identify exemplars of superior care whose experiences can guide us all.

### 2011 CCOE Award Recipients

APS is extremely proud to recognize its 2011 CCOE award recipients. These recipients exemplify the many multidisciplinary clinical programs throughout the United States.

#### Jane B. Pettit Pain and Palliative Care Center at Children's Hospital of Wisconsin

Milwaukee, WI

*University-based program*

#### Project ECHO and The University of New Mexico Chronic Pain Clinics

Albuquerque, NM

*University-based program*

#### Brigham and Women's Hospital Pain Management Center

Boston, MA

*University-based program*

#### Comprehensive Pain Center of Sarasota

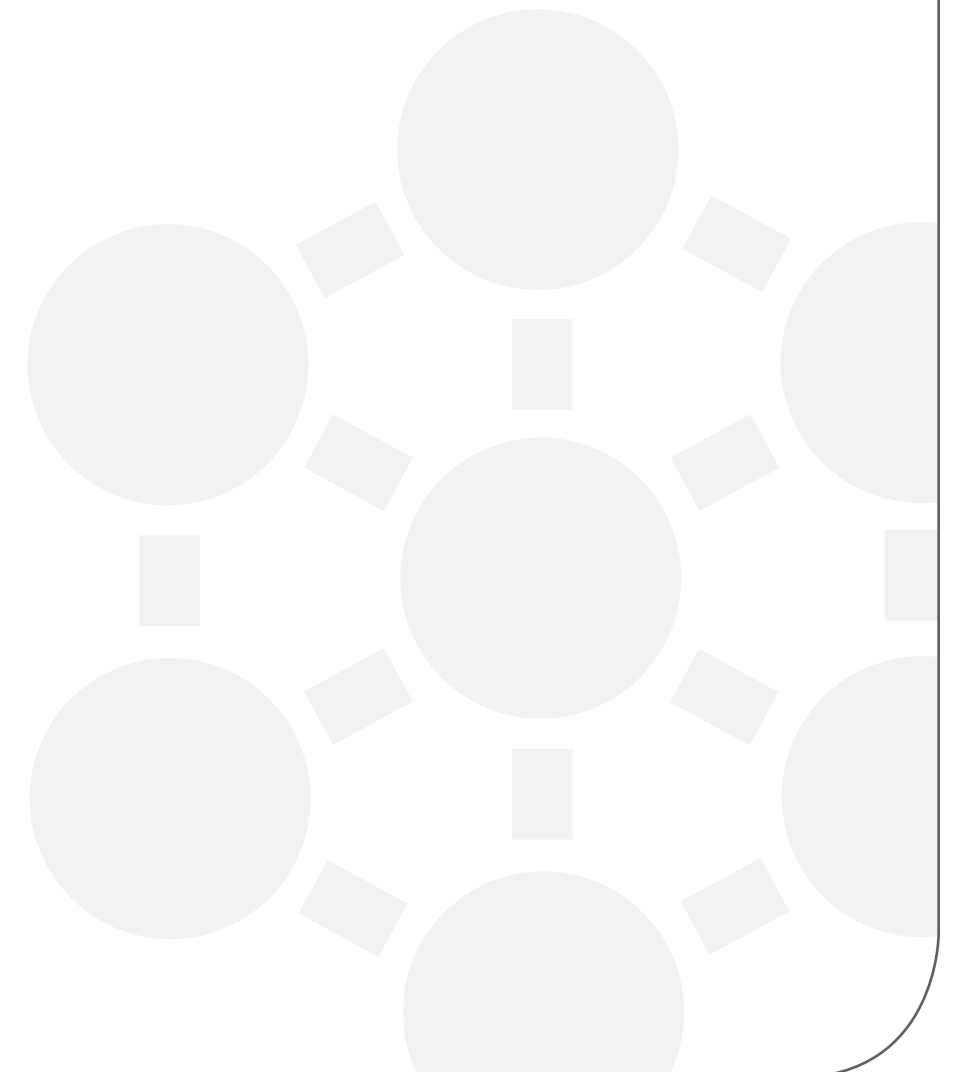
Sarasota, FL

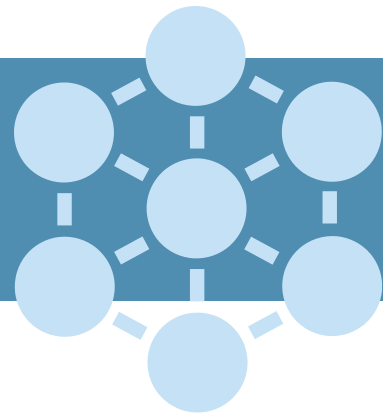
*Community-based program*

#### Rehabilitation Institute of Washington

Seattle, WA

*Community-based program*





## Advocacy

APS envisions a world where pain prevention and relief are available to all people. APS actively advocates for patients to have improved access to effective pain prevention and interdisciplinary pain management.

APS continues to work collaboratively with other associations in the Pain Care Coalition (PCC). The PCC strongly advocates for the legislative recognition of multi-modal pain treatment and research.

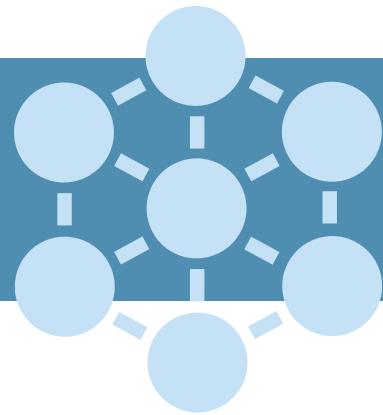
The release of the Institute of Medicine's (IOM's) report *Relieving Pain in America: A Blueprint for Transforming Prevention* was a highlight of the year. APS was well represented on the committee created to address the leading public health problem of untreated and undertreated chronic pain. Three past presidents served on the committee—Charles Inturrisi, PhD; Richard Payne, MD; and Dennis C. Turk, PhD—along with four current APS members. APS hailed the IOM report as a “step forward” for U.S. pain care. The APS Board of Directors is working on identifying implications for the society and will convene in 2012 to set goals and next steps for making recommendations and developing initiatives.

APS and the California Academy of Family Physicians (CAFP) held a summit of relevant organizations to address concerns regarding prescriber knowledge gaps about opioids. As a result of this initial summit, the Collaborative for REMS Education (CO\*RE) formed by the American Academy of Hospice and Palliative Medicine, American Academy of Nurse Practitioners, American Academy of Physician Assistants, American Osteopathic Association, American Society of Addiction Medicine, CAFP, and Nurse Practitioner Healthcare Foundation. Summit participants agreed on consensus statements to guide future development of clinician training programs to develop and improve skills such as patient assessment, communication, and recognizing risks for abuse. Future clinician educational programs will be developed with specific learning objectives and evaluation tools. A report issued by CO\*RE was submitted to the FDA for consideration at the REMS advisory committee meeting.

In July 2010, APS released its policy on the nonmedical use of prescription opioids and opioid REMS support in response to an FDA-proposed REMS for long-acting and controlled-release opioids. APS supported the REMS proposed as an initial step but strongly encouraged a more comprehensive approach to address the public health problem.

The FDA selected the University of Rochester to lead a new initiative to accelerate the identification of improved pain treatments. Rochester was awarded a \$1 million contract to launch the program, Analgesic Clinical Trial Translations, Innovations, Opportunities, and Networks (ACTTION)—a public-private partnership in which national and international public and private organizations will conduct a wide range of methodologically focused studies of clinical trials of treatments for acute and chronic pain and undertake other projects and activities intended to improve the efficiency of analgesic clinical trials. Two APS members will lead ACTTION, Robert H. Dworkin, PhD, and Dennis C. Turk, PhD, and a third, Allan I. Basbaum, PhD, will represent APS and serve as cochair of its executive committee.





## About APS

### About

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 2010–2011 Board of Directors

#### President

Seddon R. Savage, MD MS

#### President-Elect

Roger B. Fillingim, PhD

#### Treasurer

David A. Williams, PhD

#### Secretary

David S. Craig, PharmD BCPS

#### Directors at Large

Ricardo Cruciani, MD PhD

Carolyn Fairbanks, PhD

John T. Farrar, MD PhD

Robert W. Gereau, PhD

Allen Lebovits, PhD

Renee C.B. Manworren, PhD RN-BC CNS

Scott Strassels, PhD PharmD BCPS

Gregory Terman, MD PhD

Knox H. Todd, MD MPH

#### Liaison to IASP

Kathleen A. Sluka, PhD PT

### Redesigned APS Website

After assessing member feedback and site analytics, APS launched a newly designed website in April. Features of the new site include

- a fresher look with a more user-friendly layout
- enhanced search capabilities for quicker access to the most popular content
- redesigned navigation for ease of use to find content with only a few clicks
- direct links to all APS social media channels
- a rotator feature on the home page to showcase current events and upcoming deadlines.

### APS Member Community

APS rolled out an exclusive member benefit with the new community to provide members with an opportunity to network with the best and brightest in the field of pain. Unlike LinkedIn or Facebook, the APS member community is a place to discuss hot topics and controversial issues in pain in a safe, private, and secure online community limited to APS members only. The community encourages members to share information, work collaboratively, and build community.

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

**Membership Information**

The more than 2,500 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.

**Special Interest Groups**

APS hosts a growing number of special interest groups (SIGs). 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. A new SIG—Advancing the Science of Quality—was formed in 2011. Participation is open to all members. The current SIGs represent the varied interest of the society’s members.

**Advancing the Science of Quality**

**Basic Science**

**Clinical Trials**

**Ethics**

**Genetics and Pain**

**Geriatric Pain**

**Measurement of Pain and Its Impact**

**Nursing Issues**

**Pain and Disparities**

**Pain Education**

**Pain in Infants, Children, and Adolescents**

**Pain Rehabilitation**

**Palliative Care**

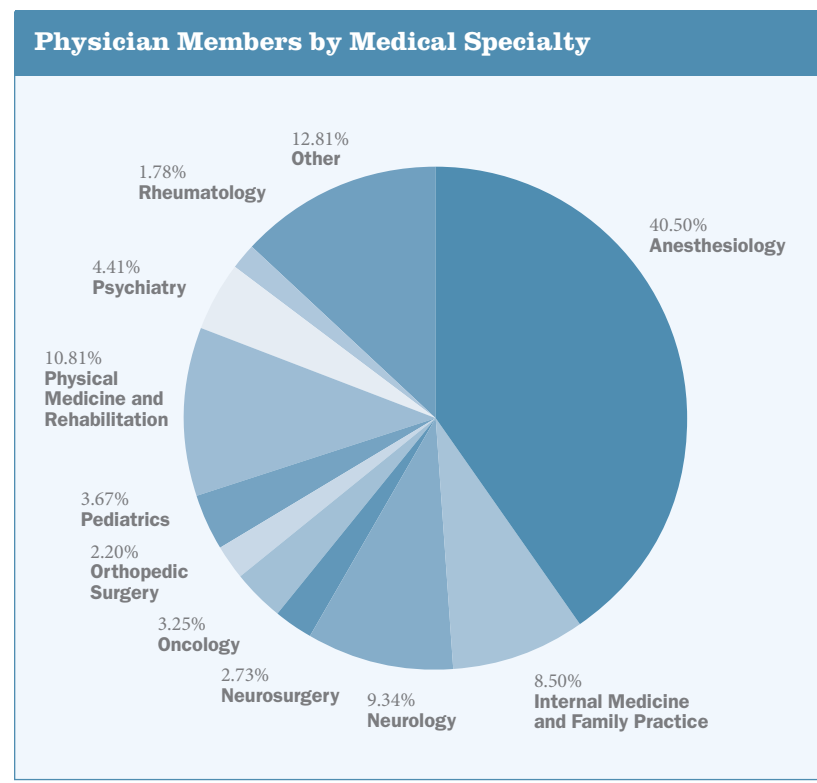
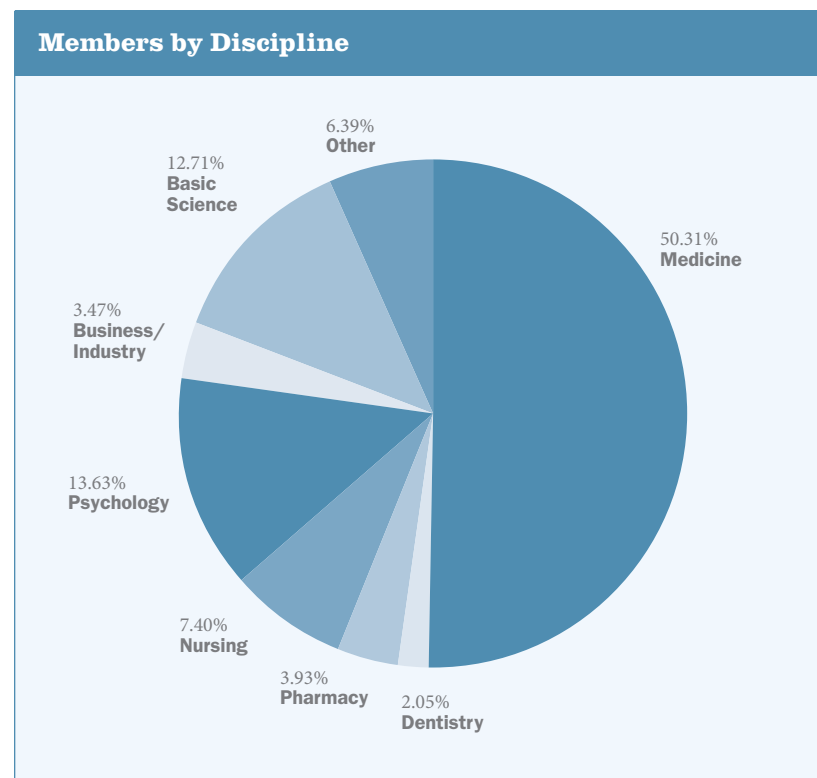
**Pharmacotherapy**

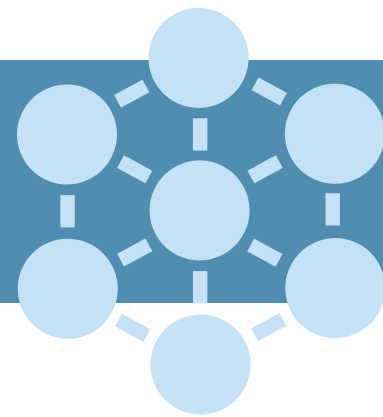
**Psychosocial Research**

**Regional Sections**

APS has five 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 website. 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
Southern Pain Society
Western Pain Society





## 2010 Audited Financial Statements

### Income Statement

Revenue	\$3,677,735
Expenses	\$3,823,678
<b>Net Income</b>	<b>\$(145,943)</b>

### Assets

Cash, investments, and accounts receivable	\$1,920,148
Other	\$354,921
<b>Total Assets</b>	<b>\$2,275,069</b>

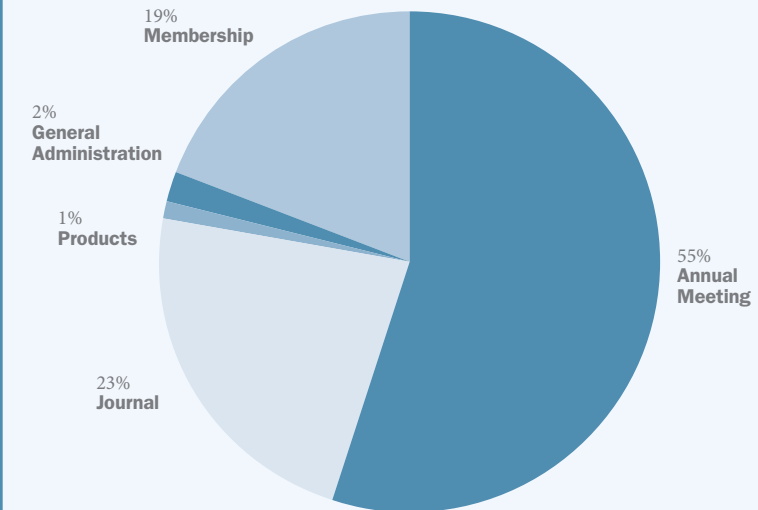
### Liabilities

Accounts payable/accrued expenses	\$479,893
Deferred dues	\$272,986
Deferred revenues	\$561,387
<b>Total Liabilities</b>	<b>\$1,314,266</b>

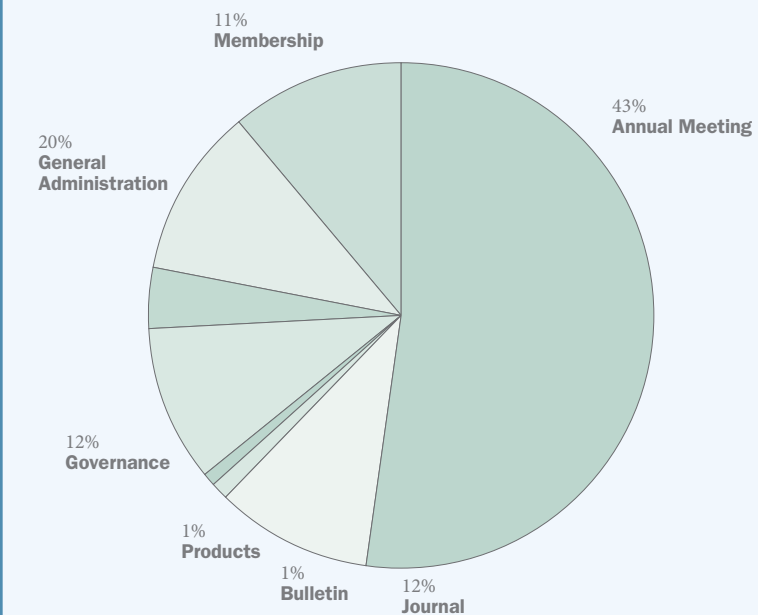
### Reserves

Reserve fund/unrestricted	\$418,759
Reserve fund/temporarily restricted	\$346,138
Reserve fund/permanently restricted	\$195,906
<b>Total Fund Balance</b>	<b>\$960,803</b>

### Sources of Revenue



### Expenses by Category



## Upcoming Annual Scientific Meetings

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May 16–19, 2012 • Hilton Hawaiian Village & Convention Center • Honolulu, HI



May 9–11, 2013 • Ernest N. Morial Convention Center • New Orleans, LA

## Visit Us on the Web

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RESEARCH  
EDUCATION  
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