Pain as a Public Health Issue
IS OINV DISRUPTING MORE RECOVERIES THAN YOU REALIZE?

OPIOID

INDUCED

NAUSEA

VOMITING

FIND OUT AT BOOTH 107
A New Path to Pain Relief

Time for a Change with a Peripherally Acting Kappa Opioid Receptor Agonist (KORA)

Friday, March 17, 2017
12:30 PM to 1:30 PM
Grand Caribbean Ballroom 7
Loews Sapphire Falls Resort
Orlando, Florida

AAPM will provide lunch for all attendees from 12:00 PM

Learning Objectives
After attending this symposium, participants should be better able to:
• Recognize the clinical need for analgesics with novel mechanisms of action in the current analgesic landscape.
• Describe the unique pharmacologic properties of a new class of opioid—the peripherally acting kappa opioid receptor agonist, CR845.
• Identify the potential benefits of oral CR845 in the management of acute and chronic pain, and IV CR845 for post-operative pain.

This program does not offer CE/CME credits.
This CSS is neither sponsored by nor endorsed by AAPM.

Moderator
Joseph W. Stauffer, DO, MBA
Chief Medical Officer,
Cara Therapeutics Inc.,
Stamford, Connecticut
Assistant Professor,
Department of Anesthesiology & Critical Care Medicine,
Johns Hopkins University School of Medicine,
Baltimore, Maryland

Faculty
Ajay D. Wasan, MD, MSc
Vice Chair for Pain Medicine,
Department of Anesthesiology,
University of Pittsburgh Medical Center
Professor of Anesthesiology and Psychiatry,
University of Pittsburgh School of Medicine,
Pittsburgh, Pennsylvania

There is no registration fee for attending this commercially supported satellite symposium; however, seating may be limited.
To preregister, please visit www.surveymonkey.com/r/CaraAAPM2017 or scan the adjacent code.
Preregistration does not guarantee seating. We do recommend arriving at the symposium location early.

This program is supported by Cara Therapeutics
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PLEASE JOIN US FOR A SATELLITE SYMPOSIUM
Sponsored by Daiichi Sankyo, Inc. & Inspirion Delivery Sciences

THREE CATEGORIES OF EVIDENCE:
Introducing a Single-Agent, Abuse-Deterrent, Extended-Release Morphine

Friday, March 17, 2017 • 12:30 PM – 1:30 PM

LOCATION
Grand Caribbean Ballroom 6
Lobby/Grand Caribbean Level
Loews Sapphire Falls Resort
Orlando, Florida

LEARNING OBJECTIVES
• Understand the various categories of evidence to support an ADF per FDA industry guidance
• Become familiar with the standard instruments and scales used in abuse potential trials
• Learn about the only single-agent, extended-release morphine expected to reduce abuse via multiple routes
• Gain deep understanding of the categories of evidence supporting the abuse-deterrent properties of the product

AA PM will provide lunch for all attendees from noon to 12:30 PM

An official independent commercially supported satellite symposium held in conjunction with the American Academy of Pain Medicine’s 33rd Annual Meeting and Pre-meeting activities.

This program is being sponsored by Daiichi Sankyo, Inc. The speaker is being compensated for the presentation. The program is not CME accredited and may not be used for CME accreditation. In adherence with PhRMA guidelines, spouses or other guests are not permitted to attend company-sponsored programs. Please be advised that information such as your name and the value and purpose of any educational item, meal or other items of value you may receive may be publicly disclosed. If you are licensed in any state or other jurisdiction, or are an employee or contractor of any organization or governmental entity that limits or prohibits meals from pharmaceutical companies, please identify yourself so that compliance with such requirements can be ensured.

This program does not offer CE/CME credits. This CSS is neither sponsored by nor endorsed by AAPM.
A Message from the AAPM President

It is my pleasure as president of the American Academy of Pain Medicine (AAPM) to welcome you to the AAPM 33rd Annual Meeting & Preconferences and to highlight some of the wonderful educational opportunities you will have this week in Orlando.

Learn from and Meet with Distinguished AAPM Annual Meeting Faculty

AAPM is proud to represent the foremost clinicians, researchers, and educators in pain medicine. As an organization, we are highly inclusive, offering a “big tent” under which practitioners of all kinds may convene and learn from their colleagues. The faculty members for this meeting are on the front lines of pain treatment, research, and practice; they are recognized experts in their fields. New this year, special Meet the Faculty events will take place periodically throughout the meeting in the AAPM Resource Center to provide added opportunities for you to ask questions, network, and learn from these esteemed faculty members. See page 20 for additional details.

Addressing Pain as a Public Health Issue

Each Annual Meeting, although comprehensive in its coverage of topics, identifies a meeting theme that typically represents a particular interest of that year’s president. This year, the theme of “Pain as a Public Health Issue” is woven throughout the dozens of plenary and concurrent sessions we offer. More than 100 million Americans suffer from pain, and there is a pressing need for pain medicine clinicians to address this major public health burden through evidence-based treatments and practice. As often happens when public health problems are addressed, logical and well-intentioned solutions generate unintended consequences—in this case, an increase in both appropriate opioid use and substance-use disorder. AAPM was established to advocate for the model of multidisciplinary, interprofessional care that applies both nonpharmacologic and pharmacologic measures tailored to the needs of the individual. Such an approach, together with preclinical research that may be translated into novel, nonaddictive therapies, is needed more than ever. I hope you will attend my opening remarks on Friday at 8:15 am in the General Session room to learn more about the theme and how AAPM and the specialty of pain medicine can contribute to solving pain as a public health issue.

Preconferences and Workshops Provide Additional Hands-On, Practical Learning Opportunities

In addition to the dynamic 33rd Annual Meeting program and more than 155 poster abstract displays, the following preconference programs are available for added learning on Wednesday and Thursday:

- Essential Tools for Treating the Patient in Pain™
- Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient
- WAPMU Ultrasound/Cadaver Preconference
- REMS Preconference: SAFE Opioid Prescribing

New this year, a special hands-on low back pain workshop will take place Friday evening. If you haven’t already done so, secure your registration in this space-limited workshop by visiting the registration desk.

Continue Your Pain Medicine Learning Beyond the 33rd Annual Meeting

I hope and trust that you will have a productive week, gaining valuable knowledge, skills, and competencies that you can immediately implement in your home practice. After you’ve left Orlando, keep your pain medicine education sharp by visiting the AAPM Education Center at www.painmed.org, where you can access a library of on-demand courses and live events. Mark your calendar for the AAPM 34th Annual Meeting, April 26–29, 2018, in Vancouver, BC, Canada.

Sincerely,

Daniel B. Carr
President, American Academy of Pain Medicine
THE NUTS AND BOLTS OF COPRESCRIBING NALOXONE and Implementing an Opioid Emergency Plan in Your Practice

SATURDAY, MARCH 18, 2017
12:15 PM to 1:15 PM
Grand Caribbean Ballroom 7
Loews Sapphire Falls Resort
Orlando, Florida

AAPM will provide lunch for all attendees starting at 11:45 AM

MODERATOR
Gay K. Owens, PharmD
Director of Medical Science,
kaleo, Inc.,
Richmond, Virginia

FACULTY
Christopher G. Gharibo, MD
Associate Professor of Anesthesiology, Pain Medicine, and Orthopedics,
NYU School of Medicine
Medical Director of Pain Medicine,
Department of Anesthesiology and Pain Medicine,
NYU-Hospital for Joint Diseases,
New York, New York

Mark A. Kallgren, MD
Medical Director of Pain Medicine,
Oregon Anesthesiology Group, PC,
Portland, Oregon

Learning Objectives
After attending this symposium, participants should be better able to:
• Identify patients at increased risk for an opioid emergency.
• Implement recommendations in your practice that address opioid emergencies.
• Create a strategy that you can use in your practice to help initiate the discussion and creation of an opioid emergency plan that includes education and coprescribing take-home naloxone for patients and family members.

There is no registration fee for attending this commercially supported satellite symposium; however, seating may be limited.
To preregister, please visit www.surveymonkey.com/r/kaleoAAPM2017 or scan the adjacent code.
Preregistration does not guarantee seating. We recommend arriving at the symposium location early.

This program does not offer CE/CME credits.
This CSS is neither sponsored by nor endorsed by AAPM.

This program is supported by kaleo, Inc.

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PP-EVZ-US-1211
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2010 Eduardo M. Fraifeld, MD MPH
2011 Perry G. Fine, MD
2012 Martin Grabois, MD
2013 Lynn R. Webster, MD
2014 Sean Mackey, MD PhD
2015 Bill McCarberg, MD
Program committee member disclosures can be found online at www.painmed.org/2017disclosures.
**Target Audience**  
All medical clinicians treating patients in pain. This activity has been designed by a multidisciplinary, multimodal committee of experts for a primary audience of physicians whose scope of practice is targeted at the practice of pain medicine, as well as an additional audience of affiliated nonphysician healthcare professionals—including nurses, nurse practitioners, physician assistants, physical therapists, psychologists, and pharmacists—who are part of the multidisciplinary pain management team.

**Learning Objectives**  
After attending the meeting, participants should be better able to:  
- Assess and treat patients suffering from acute, chronic, and cancer pain through the use of evidence-based, integrative pain management strategies that emphasize patient safety and improve patient outcomes.  
- Discuss the most up-to-date scientific developments and clinical best practices in the field of pain medicine.  
- Apply a multidisciplinary team, biopsychosocial approach to treating pain patients.  
- Discuss the most up-to-date scientific developments and clinical best practices in the field of pain medicine.  
- Improve the safety of acute and chronic pain treatment protocols.  
- Decrease the rate of opioid- and pain analgesic-related adverse events.  
- Improve functional pain outcomes through the use of patient-centered treatment plans.

**Desired Outcomes**  
- Maintain a knowledgeable and competent workforce of pain medicine and primary care clinicians.  
- Improve the safety of acute and chronic pain treatment protocols.  
- Decrease the rate of opioid- and pain analgesic-related adverse events.  
- Improve functional pain outcomes through the use of patient-centered treatment plans.

**Continuing Medical Education Information**  
**Physician Accreditation Statement**  
AAPM is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians. AAPM designates this live activity for a maximum of 35.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.  
- 33rd Annual Meeting—17.25 credits  
- **Essential Tools for Treating the Patient in Pain™** preconference—9 credits  
- Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient preconference—6.5 credits  
- Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop—2.5 credits  
- World Academy of Pain Medicine Ultrasonography (WAPMU) Ultrasound/Cadaver preconference—9 credits  
- Dannemiller is the accredited provider of record and will provide CME for the WAPMU program.  
- SAFE Opioid Prescribing preconference—3.5 credits  
- pmiCME is the accredited provider of record and will provide CME for this program.  

Attendees cannot receive credits for simultaneous sessions. The most credits that can be earned by combining the Ultrasonography/Cadaver Essentials™ preconferences, Medications Management preconference, SAFE Opioid Prescribing preconference, Low Back Pain Workshop, and AAPM 33rd Annual Meeting is 38.75 CME credits.

**American Academy of Family Physicians (AAFP)**  
AAPM is approved by the American Academy of Family Physicians (AAFP) to offer continuing medical education for the 33rd Annual Meeting; the **Essential Tools for Treating the Patient in Pain™** preconference; the Opioid and Non-Opioid Medications Management:  
Filling in the Gaps, Prescribing for the Whole Patient preconference; and the low back pain workshop.  
- **This Live activity, Essential Tools for Treating the Patient in Pain™**: What Every Clinician Treating Pain Needs to Know, with a beginning date of March 15, 2017, has been reviewed and is acceptable for up to 8.25 prescribed credit(s) by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.  
- **This Live activity, Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient, with a beginning date of March 15, 2017, has been reviewed and is acceptable for up to 6.50 prescribed credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.**  
- **This Live activity, American Academy of Pain Medicine’s 33rd Annual Meeting—Pain as a Public Health Issue, with a beginning date of March 16, 2017, has been reviewed and is acceptable for up to 16.00 prescribed credit(s) by the American Academy of Family Physicians.**  
- **This Live activity, Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop, with a beginning date of March 17, 2017, has been reviewed and is acceptable for up to 2.50 prescribed credit(s) by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.**

**Physician Assistants**  
The American Academy of Physician Assistants (AAPA) accepts **AMA PRA Category 1 Credits™** from organizations accredited by the ACCME, including AAPM.

**Nursing Credits**  
This continuing nursing education activity was approved by the American Association of Neuroscience Nurses, an accredited approver by the American Nurses Credentialing Center’s Commission on Accreditation.

**Disclosure of Unlabeled Use**  
This educational activity may contain discussion of published and/or investigational uses of agents that are not indicated by the U.S. Food and Drug Administration. The American Academy of Pain Medicine does not recommend the use of any agent outside of the labeled indications. The opinions expressed in the educational activity are those of the faculty and do not necessarily represent the views of any organization(s) associated with this activity. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

**Disclosure of Conflicts of Interest**  
It is the policy of AAPM to plan and implement educational activities in accordance with the ACCME to ensure balance, independence, objectivity, and scientific rigor. As an ACCME-accredited provider, AAPM may receive commercial support from industry but does not receive guidance, either nuanced or direct, on the content of the activity or on who should deliver the content. All program faculty and planners are required to disclose all financial relationships they may have or have had within the last 12 months with commercial interests whose products or services are related to the subject matter of the presentation. Any real or apparent conflicts of interest must be resolved prior to the presentation. Faculty are expected to disclose this information to the audience both verbally and in print (slideshows) at the beginning of each presentation. Faculty also are required to inform program participants if any unlabeled uses of products regulated by the U.S. Food and Drug Administration will be discussed. A full list of real-time Planning Committee and Faculty disclosures can be found at www.painmed.org/2017disclosures.
Disclaimers
1. Participants have an implied responsibility to use information presented at the 33rd Annual Meeting to enhance patient outcomes and their own professional development. The information presented in this activity is not meant to serve as a guideline for patient management. Further, the opinions expressed at the 33rd Annual Meeting are those of the faculty and do not necessarily represent the views of AAPM. Any procedures, medications, or other courses of diagnosis or treatment discussed in this activity should not be used by clinicians without evaluation of patient conditions and possible contraindications on dangers in use, review of any applicable manufacturer’s product information, and comparison with recommendations of other authorities.

2. Meeting schedules and faculty are subject to change and cancellation. If AAPM must cancel a meeting event or session, registrants will receive a full credit or refund, minus a processing fee of $25. AAPM is not liable for any other loss, cost, or expense, however caused, incurred, or arising from cancellation.

The AAPM 33rd Annual Meeting is supported in part by educational grants from the following commercial supporters as of February 7, 2017: Amgen; Boston Scientific; Daiichi Sankyo, Inc.; Depomed; Jazz Pharmaceuticals; Medtronic; Pfizer; Salix Pharmaceuticals; Shionogi Inc.; Teva Pharmaceuticals.

Americans with Disabilities Act
AAPM wishes to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently from other individuals because of the absence of auxiliary aids and services. If you require any of the auxiliary aids or services identified in the Americans with Disabilities Act to attend any AAPM program, please contact the AAPM Member Services Team by phone at 847.375.4731 or by e-mail at info@painmed.org in advance so special requests may be met. For onsite assistance, please visit the Registration Desk.

Late-Breaking Posters
Posters numbered LB001–LB009 will be on display in the Resource Center through the two groups noted at right.

Speaker Ready Room Hours
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<th>Time</th>
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<tr>
<td>Tuesday, March 14</td>
<td>4–7 pm</td>
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<td>Wednesday, March 15</td>
<td>6 am–7:30 pm</td>
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<td>Thursday, March 16</td>
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<td>Friday, March 17</td>
<td>6:45 am–7 pm</td>
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<tr>
<td>Saturday, March 18</td>
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<td>Sunday, March 19</td>
<td>7 am–Noon</td>
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Registration Hours
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<td>Sunday, March 19</td>
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Paperless Meeting
Registrants are able to view, download, and print faculty slides and presentation information provided by faculty by the submission deadline at www.painmed.org/orlando during and after the Annual Meeting. You also can access handouts and meeting details by downloading the AAPM Annual Meeting mobile app. See page 21 for details.

Poster Hours
The authors of the six highest-ranking posters have been selected to present their posters at a plenary research highlights session or a concurrent scientific session, as noted below:
• Plenary Research Highlights, Friday, March 17, 9:15–10 am
• Concurrent Poster Reserarch Highlights Session, Friday, March 17, 11 am–Noon

Scientific posters will be on display in the AAPM Resource Center at the Loews Sapphire Falls Resort at Universal Orlando™. There will be two presentation groups of posters. Be sure to visit the Resource Center to see both groups as they are available to be viewed on different days. Copies of the six highest-ranking posters also will be displayed close to the registration area.

Late-breaking posters will be on display through both poster groups.

Group 1
This presentation group, with posters numbered 100–172, includes posters categorized by the following clinical topics: Procedures, Psychosocial, and Pharmacologic.

These posters will be on display in the Resource Center from Thursday, March 16, at 6 pm until Friday, March 17, at 11 am.

Author-Attended Sessions
Welcome Reception with Poster Session
Thursday, March 16, 6–7:30 pm

Group 2
This presentation group, with posters numbered 173–245, includes posters categorized by the following clinical topics: Basic Science, Epidemiology/Health Policy/Education, Rehabilitation, and Translational.

These posters will be on display in the Resource Center from Friday, March 17, at 6 pm until Saturday, March 18, at 10:15 am.

Author-Attended Sessions
AAPM 33rd Annual Meeting Reception with Poster Session
Friday, March 17, 6–7:30 pm

Sunshine Act
The Physician Payment Sunshine Act (Sunshine Act)–Section 6002 of the Patient Protection and Affordable Care Act mandates the disclosure of the National Provider Identifier (NPI) number for any “payment or other transfer of value over $10” given to a physician from any pharmaceutical, device, or biologics manufacturing company. As an accredited ACCME provider for CME, physician participation in AAPM CME-accredited activities is deemed a “nonreportable” event.

Evaluation Tool
AAPM offers the meeting evaluation in an online format. Meeting registrants can access the evaluation by visiting the AAPM website at www.painmed.org/orlando and clicking on the evaluation link. The online evaluation may be completed during the meeting or after attendees have returned home. Participants will receive their continuing medical education certificate immediately when they submit their evaluations online. Certificates also can be sent from the system to participants’ e-mail addresses for printing later or saving electronically. All attendees are encouraged to complete the meeting evaluation by April 30, 2017, regardless of whether they are seeking continuing education credits. The final evaluation deadline for the 33rd Annual Meeting is December 31, 2017. If you have any questions, please call 847.375.4731.
AAPM would like to thank these organizations for their contribution to the success of the 2017 AAPM Annual Meeting.

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**All It Takes Is a Passport**

Participate in the AAPM Resource Center Passport Program and you can enter for a chance to win the following prizes:

- $1,000 gift card
- $500 gift card
- Free 2018 AAPM Annual Meeting registration in Vancouver (up to $980 value)

For a chance to win, fill your passport with stamps from industry partner booths in the Resource Center; earn stamps by answering the questions on your passport. Drop your completed passport in the tumbler located at the AAPM booth. Winners will be drawn Saturday morning at 10 am.
HOW POLICY, GUIDELINES, AND THE MEDIA
CHALLENGE PATIENT ACCESS TO OPIOID PAIN MANAGEMENT

Shifting the Focus
From Politics to Patients

Thursday, March 16, 2017
12:00 PM to 1:00 PM

Grand Caribbean Ballroom 7
Loews Sapphire Falls Resort
Orlando, Florida

AAPM will provide lunch for all attendees from 11:30 AM

There is no registration fee for attending this commercially supported satellite symposium; however, seating may be limited.

To preregister, please visit www.surveymonkey.com/r/PernixAAPM2017 or scan the adjacent code.

Preregistration does not guarantee seating. We do recommend arriving at the symposium location early.

Learning Objectives
After attending this symposium, participants should be better able to:

• Monitor the effect of opioid policies and guidelines to ensure that they do not inadvertently encourage under-treatment, marginalization, and stigmatization of the many patients with chronic pain using opioids appropriately.
• Advocate for patients to receive the treatment they need to adequately control chronic pain and improve function, which may include opioid analgesics when appropriate, as part of patient-centered care that meets their biopsychosocial needs.
• Develop communication strategies to interact with patients to help empower them to deal with their pain and improve their quality of life instead of feeling stigmatized and struggling to maintain their dignity.

Faculty

Michael C. Barnes, Esq
Managing Attorney,
DCBA Law & Policy,
Washington, DC
Founder and Executive Director,
Center for Lawful Access and
Abuse Deterrence,
Washington, DC

Martin D. Cheatle, PhD
Associate Professor and Director,
Pain and Chemical
Dependency Program,
Center for Studies of Addiction,
Perelman School of Medicine,
University of Pennsylvania,
Philadelphia, Pennsylvania

Bill H. McCarberg, MD
Adjunct Assistant Clinical Professor,
University of California at San Diego
School of Medicine,
San Diego, California
Family Physician,
Neighborhood Healthcare,
Escondido, California

This program does not offer CE/CME credits.
This CSS is neither sponsored by nor endorsed by AAPM.

Supported by Pernix Therapeutics
**Philipp M. Lippe, MD, Award**
The Philipp M. Lippe, MD, Award is given to a physician for outstanding contributions to the social and political aspects of pain medicine. Social and political accomplishments could be those that benefit the science, practice, or recognition of the specialty.

**Rollin McCulloch Gallagher, MD MPH**
Clinical professor, psychiatry and anesthesiology; pain medicine director for pain policy research and primary care, University of Pennsylvania; and editor, *Pain Medicine*. Dr. Rollin McCulloch Gallagher recently retired as national director for pain management, Department of Veterans Affairs, and co-chair, Pain Management Workgroup, VA-DoD Health Executive Council.

Raised in New England, Dr. Gallagher received his bachelor’s from Harvard, his doctoral degree at Boston University, general practice training/experience in Colorado, and psychiatry training at Dartmouth.

His early career in psychiatry and family medicine in Vermont focused on leading National Institute of Mental Health (NIMH)–funded biopsychosocial medicine programs for medical students, residents, and physicians; a behavioral medicine pain clinic; and roles as residency director and dean. Back pain research prompted Dr. Gallagher to pursue a midcareer NIMH post-doc in pain epidemiology and his master’s in public health from Columbia, as well as the development of interdisciplinary pain programs at SUNY Stony Brook, Drexel, and Philadelphia VA.

He enjoys many-year friendships in his work, particularly with AAPM, *Pain Medicine*, and VA-DoD colleagues, as well as from clinical teaching, research, and patient care, particularly with veterans. Pain policy/service leadership positions include with the ACGME Pain Medicine Fellowship Committee; president, American Board of Pain Medicine; co-chair, National Pain Foundation; AAPM Board of Directors (president, 2009–2010); and co-chair, Professional Education/Training Sub-Committee, IPRCC, and National Pain Strategy.

Recently, Dr. Gallagher co-directed two national VA-DoD training programs focused on interdisciplinary primary care pain competencies: Tiered Acupuncture Training Across Clinical Settings and Joint Pain Education and Training Project.

A lifelong birder (Audubon PA Board), hiker, skier, and fisherman, he and wife Virginia Rauh, Columbia Professor of Public Health, bring their four children, seven grandchildren, family, and friends to beloved Vermont as often as possible.

**Founders Award**
The Founders Award is given to an individual for outstanding contributions to the science or practice of pain medicine. This award is given for continued contributions for the basic or clinical science of pain medicine or for the demonstration of clinical excellence or innovation in the practice of pain medicine.

**R. Norman Harden, MD**
Dr. R. Norman Harden received his medical degree from the Medical College of Georgia. He performed an internship and residency in Neurology at the Medical University of South Carolina, where he later served as assistant professor in neurology and physical medicine and rehabilitation and as medical director of the Pain and Rehabilitation Program, and founded and ran the Headache Program and Reflex Sympathetic Dystrophy programs. He completed a fellowship in pain control at Pain Control and Rehabilitation Institute of Georgia (Emory University) and an observership in Cancer Pain Control at Memorial Sloan-Kettering (Cornell University). He performed three observerships at the National Institutes of Health/NIDCR.

Dr. Harden served as director of the Center for Pain Studies and founded the Chronic Pain Care Center at the Rehabilitation Institute of Chicago. He is now professor emeritus in the departments of physical medicine and rehabilitation and physical therapy and human movement sciences at Northwestern University. He has been a Falk Scholar and a Rosen Scholar. He is the first holder of the Robert G. Addison, MD, Chair in Pain Studies. He serves as chair of the Research Committee for the Reflex Sympathetic Dystrophy Association and AAPM. He is chair of the International Research Consortium for Complex Regional Pain Syndrome.

Dr. Harden is past editor-in-chief of the *Journal of Back and Musculoskeletal Rehabilitation*, senior associate editor of *Pain Medicine*, and was on the editorial board of many other journals. He has edited four books; published more than 80 peer-reviewed articles in pain literature; and published more than 200 chapters, reviews, and abstracts in prominent medical journals and books.

**Patient Advocacy Award**
The Patient Advocacy Award recognizes activity of individuals in advocating for appropriate evaluation and treatment of patients suffering from pain. This award was created to honor those healthcare professionals whose deeds reflect their recognition of the importance and impact of the specialty of pain medicine.

**Judith A. Paice, PhD RN FAAN**
Dr. Judith Paice is the director of the Cancer Pain Program in the division of hematology-oncology and a research professor of medicine at Northwestern University, Feinberg School of Medicine. She also is a full member of the Robert H. Lurie Comprehensive Cancer Center. Dr. Paice has served as president of the American Pain Society and secretary of the International Association for the Study of Pain.

Much of Dr. Paice’s clinical work has been in the relief of pain associated with cancer and HIV. She has traveled widely nationally and internationally to educate healthcare professionals regarding cancer pain relief and palliative care. Dr. Paice serves on the editorial board of the *Journal of Pain* and the *Journal of Pain and Symptom Management* and is the author of more than 150 scientific manuscripts. She was one of the original consultants in the End-of-Life Nursing Education Consortium and has continued serving as a faculty member in this program.
**Distinguished Service Award**
The Distinguished Service Award is given to an individual for commitment and contributions to the American Academy of Pain Medicine. This award is given to an individual for specific outstanding contributions.

**Sean Mackey, MD PhD**

Dr. Sean Mackey is chief of the Division of Pain Medicine and Redlich Professor of Anesthesiology, Perioperative, and Pain Medicine at Stanford University. Dr. Mackey received his BSE and MSE in bioengineering from the University of Pennsylvania and his MD and PhD in electrical and computer engineering from the University of Arizona. He completed his residency and pain medicine fellowship at Stanford and joined the faculty in 1999. Under Dr. Mackey’s leadership, the Stanford Pain Management Center has been twice designated a Center of Excellence by the American Pain Society for the Center’s innovative approach in comprehensive, interdisciplinary, and outcomes-based care.

He has served as principal investigator on multiple National Institutes of Health (NIH) awards, where he has overseen efforts to map the specific regions of the brain and spinal cord that perceive and process pain. Dr. Mackey is the author of more than 200 journal articles and book chapters, in addition to numerous national and international lectures. Currently, he is the developer of a free, open-source learning health system—CHOIR (http://choir.stanford.edu)—to transform the care of people with pain and serve as a platform for research in real-world clinic patients.

Dr. Mackey is a past president of AAPM. He co-authored the Institute of Medicine’s report, “Relieving Pain in America.” He is co-chair of the Oversight Committee for the NIH National Pain Strategy (NPS), an effort to establish a national health strategy for pain care, education, and research. He recently received the NIH Directors’ Award for his efforts on the NPS.

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**Presidential Excellence for Education Award**
The Presidential Excellence for Education Award honors an individual who has made major contributions to the education of others about pain medicine.

Kevin T. Galloway, U.S. Army Col. (Ret.) MHA BS

Kevin T. Galloway is the deputy director, strategic communications and policy, at the Defense and Veterans Center for Integrative Pain Management, the pain management advisory organization for the Military Health System. Prior to joining DVCIPM in 2014, Galloway completed a 27-year career in the U.S. Army, retiring at the rank of colonel. His last assignment was in the Office of the Army Surgeon General, where he served as the director of the Army Pain Management Program after serving as chief of staff for the Department of Defense’s Pain Management Task Force.

He is a graduate of The Catholic University of America with a bachelor’s of science in nursing and Baylor University with a master’s in healthcare administration.

His military career included a variety of clinical and administrative assignments in both fixed facility and military field hospitals with deployments for Operation Desert Storm in Saudi Arabia; Operation Provide Promise in Zagreb, Croatia; and Operation Iraqi Freedom in Baghdad, Iraq. Other assignments included Korea and Honduras.

His military awards include the Legion of Merit, Bronze Star Medal, five Meritorious Service Medals, six Army Commendation Medals, the Joint Service Achievement Medal, and six Army Achievement Medals. He is a recipient of the Order of Military Merit and the Army Surgeon General’s “A” Proficiency designator, an award used to recognize the accomplishments of senior medical leaders who have made significant contributions to the Army Medical Department.

He was a 2011 recipient of the American Academy of Pain Medicine’s Presidential Commendation and is currently serving on the Board of Directors for the Academy of Integrative Pain Management.
Robert G. Addison, MD, Award
The Robert G. Addison, MD, Award is given to an individual or organization in recognition of outstanding efforts to foster international cooperation and collaboration on behalf of the specialty of pain medicine.

Faculty of Pain Medicine, Australian and New Zealand College of Anaesthetists
The Faculty of Pain Medicine (FPM), Australian and New Zealand College of Anaesthetists (ANZCA), was formed in 1998 along with the Royal Australasian College of Surgeons, Royal Australian and New Zealand College of Psychiatrists, Royal Australasian College of Physicians, and the Australasian Faculty of Rehabilitation Medicine. The first Fellowship examination was held in 1999. Since inception, 438 fellows have been admitted from the following primary specialties: anesthesiology: 66%, rehabilitation: 12%, other physicians: 6%, psychiatry: 4%, surgery: 4%, and general practice: 2%. Pain medicine was recognized as a medical specialty in Australia in 2005 and New Zealand in 2012.

Key initiatives with international impact include
2. FPM training curriculum (revised 2015)—European Pain Federation and Philippine Board of Pain Medicine have been granted approval to adapt the FPM curriculum.
5. Electronic Persistent Pain Outcomes Collaboration (2013)—established with University of Wollongong and Australian and New Zealand Pain Societies.
6. Essential Pain Management (2010)—an international program to train health workers. Workshops have been run in more than 40 countries.
7. Collaboration on Australian National Pain Strategy (2011) and formation of Painaustralia, a national not-for-profit advocacy body.
8. Development of professional guidelines:
   i. Statement on medicinal cannabis with particular reference to its use in the management of patients with chronic non-cancer pain (2015)
   ii. Recommendations regarding the use of opioid analgesics in patients with chronic nocancer pain (revised 2016)

Pain Medicine Fellowship Excellence Award
AAPM’s annual Pain Medicine Fellowship Excellence Award recognizes Pain Medicine Fellowship Programs within the United States that are accredited by the Accreditation Council for Graduate Medical Education (ACGME) and that provide an exceptional learning experience to their fellows, preparing them to deliver the highest standard of care to patients with pain. Additionally, the award is intended to honor programs whose efforts coincide with AAPM’s mission “to optimize the health of patients in pain and eliminate the major public health problem of pain by advancing the practice and the specialty of pain medicine.”

2017 Pain Medicine Fellowship Excellence Award Recipient: Stanford Pain Medicine Fellowship Program
The Division of Pain Medicine at Stanford University offers a world-class, ACGME-approved Clinical Pain Medicine Fellowship program with a focus on comprehensive, interdisciplinary, and collaborative training in and treatment of pain-related conditions. Pain medicine fellows are trained in the medical, interventional, physical, behavioral, complementary, and self-management aspects of pain medicine in complex patients.

AAPM extends its congratulations to Sean Mackey, MD PhD, chief of the Division of Pain Medicine and program director, as well as Jordan Newmark, MD, associate division chief of education. Furthermore, appreciation is extended to the dedicated faculty and staff, including Ashley Johnson, program coordinator, who have made the Stanford Pain Medicine Fellowship Program successful.
\begin{itemize}
\item **PAST AWARD RECIPIENTS**
\end{itemize}

\begin{itemize}
\item **Philipp M. Lippe, MD, Award**
  \begin{itemize}
  \item 1995  Philipp M. Lippe, MD
  \item 1996  Joel Saper, MD
  \item 1997  Richard Stieg, MD
  \item 1998  Sridhar Vasudevan, MD
  \item 1999  Hubert Rosomoff, MD
  \item 2000  J. David Haddox, DDS MD
  \item 2001  Kathleen M. Foley, MD
  \item 2002  Michael Ashburn, MD MPH
  \item 2003  Daniel B. Carr, MD
  \item 2004  Robert G. Addison, MD
  \item 2005  Kenneth A. Follett, MD PhD
  \item 2006  Samuel J. Hassenbusch, MD PhD
  \item 2007  Scott M. Fishman, MD
  \item 2008  Benjamin L. Crue Jr., MD FACS
  \item 2009  Albert L. Ray, MD
  \item 2010  Michel Y. Dubois, MD
  \item 2011  Douglas Throckmorton, MD
  \item 2012  Philip A. Pizzo, MD
  \item 2013  Chester (Trip) Buckenmaier III, MD COL MC USA
  \item 2014  James P. Rathmell, MD
  \item 2015  Lieutenant General Eric Schoomaker, MD PhD; Major General Richard W. Thomas, MG DHA
  \item 2016  John D. Loeser, MD
\end{itemize}

\begin{itemize}
\item **Founders Award**
  \begin{itemize}
  \item 1995  Benjamin Crue, MD
  \item 1996  Wilbert Fordyce, PhD
  \item 1997  Peter Wilson, MBBS PhD
  \item 1998  Tony Yaksh, PhD
  \item 1999  Steven Feinberg, MD
  \item 2000  Rollin M. Gallagher, MD MPH
  \item 2001  Gary J. Bennett, PhD
  \item 2002  Russell Portenoy, MD
  \item 2003  Donald D. Price, PhD
  \item 2004  James C. Eisenach, MD
  \item 2005  Edward C. Covington, MD
  \item 2006  Gerald F. Gebhart, PhD
  \item 2007  Richard B. North, MD
  \item 2008  Michael J. Cousins, MD DSc FANZCA FRCA FACpmb(RACP) FFpmANZCA
  \item 2009  Nikolai Bogduk, MD PhD DSc
  \item 2010  David Joranson, MSSW
  \item 2011  Daniel B. Carr, MD MA
  \item 2012  Howard L. Fields, MD PhD
  \item 2013  Allan Basbaum, PhD
  \item 2014  Steven P. Cohen, MD
  \item 2015  Clifford Wolff, MD PhD
  \item 2016  Daniel J. Clauw, MD
\end{itemize}

\begin{itemize}
\item **Pain Medicine Fellowship Excellence Award**
  \begin{itemize}
  \item 2013  Brigham and Women’s Hospital, Boston, MA
  \item 2014  Jackson Memorial Hospital/University of Miami (JMH/UM), Miami, FL
  \item 2015  Beth Israel Deaconess Medical Center, Brookline, MA; and-Mayo Clinic, Rochester, MN
  \item 2016  Cleveland Clinic; Medical College of Wisconsin; University of California, Davis; and University of Pittsburgh Medical Center
\end{itemize}

\begin{itemize}
\item **Distinguished Service Award**
  \begin{itemize}
  \item 1996  Patricia Owen
  \item 1997  Not Awarded
  \item 1998  Paul Gebhard, JD; Kristie Haley
  \item 1999  Peter Wilson, PhD MBBS; Ruth Tiernan
  \item 2000  Not Awarded
  \item 2001  Joel R. Saper, MD FACP FAAN
  \item 2002  Elliot Krames, MD
  \item 2003  Samuel J. Hassenbusch, MD PhD; Jeffrey W. Engle
  \item 2004  Albert L. Ray, MD
  \item 2005  Rollin M. Gallagher, MD MPH
  \item 2006  Edward C. Covington, MD
  \item 2007  Eduardo M. Fraifeld, MD
  \item 2008  David A. Fishbain, MD DFAPA
  \item 2009  Colleen M. Healy
  \item 2010  Scott M. Fishman, MD
  \item 2011  Timothy R. Deer, MD DABPM
  \item 2012  B. Todd Sitzman, MD MPH
  \item 2013  Philip A. Saigh Jr.
  \item 2014  Charles E. Argoff, MD; Marsha Stanton, PhD RN
  \item 2015  Perry G. Fine, MD
  \item 2016  “Woody” Yu Lin, MD
\end{itemize}

\begin{itemize}
\item **Patient Advocacy Award**
  \begin{itemize}
  \item 2001  Warner Wood, MD
  \item 2002  Robert Biscup, MS DO
  \item 2003  Not Awarded
  \item 2004  Kenneth Moritsugu, MD MPH
  \item 2005  John (Jack) C. Lewin, MD
  \item 2006  Not Awarded
  \item 2007  Louis W. Sullivan, MD
  \item 2008  Robert D. Kerns, PhD
  \item 2009  Not Awarded
  \item 2010  Myra Christopher
  \item 2011  Will Rowe
  \item 2012  Robert J. Saner II, JD
  \item 2013  Malene Davis, MBA MSN CHPN, and Capital Caring
  \item 2014  Edward J. Bilsky, PhD
  \item 2015  Samir K. Ballas, MD FACP
  \item 2016  Penney Cowan; Carmen R. Green, MD
\end{itemize}

\begin{itemize}
\item **AAPM Presidential Excellence Award for Education**
  \begin{itemize}
  \item 2012  Lynn R. Webster, MD
  \item 2013  Debra K. Weiner, MD
  \item 2014  Beth B. Murinson, MD PhD
  \item 2015  Michael Cousins, MD DSc
  \item 2016  Gagan Mahajan, MD
\end{itemize}

\begin{itemize}
\item **Robert G. Addison, MD, Award**
  \begin{itemize}
  \item 2014  Tanja Erika Schlereth, MD PhD
  \item 2015  ChildKind International
  \item 2016  Andrew Moore, DSc
\end{itemize}
\end{itemize}
Pat Anson

In recognition of his work and contributions to the field of pain as editor of Pain News Network.

Pat Anson is the founder and editor of Pain News Network, a not-for-profit online news source that seeks to raise awareness about chronic pain and the patient experience with pain care. Mr. Anson is an award-winning journalist who has worked as a reporter, producer, writer, and anchor at TV and radio stations in Ohio, Oregon, Washington, Montana, Iowa, and California. He also was a producer and correspondent for Nightly Business Report and HealthWeek on PBS.

Robert I. Cohen, MD MA

In recognition of his work toward advancing the cause of acute pain medicine within AAPM and externally, in collaboration with other professional organizations.

Dr. Robert I. Cohen works with chronic pain patients who have not done well with traditional treatment. The process for treating such patients includes understanding their pain experience, its barriers to function, and their quality of life. He engages the patient and their primary care provider as partners in developing and implementing treatment. His training in medical acupuncture and hypnosis inform the integrative medicine techniques that are routinely included in the treatment plan.

Dr. Cohen, a member of the Professional Education and CME Oversight Committee, has served in many roles at AAPM. Further, he is the editor of the IASP Acute Pain SIG Newsletter; a member of Massachusetts Pain Initiative Policy Council Leadership Advisory Group; a pain medicine consultant and principal investigator for Analgesic Solutions, LLC; and a consultant and trainer for Hypnalgesics, LLC and Comfort Talk.

As a public school science teacher, he earned an MA in Education from Tufts University. He attended the University of Massachusetts Medical School (UMMS) where he completed residency and fellowships in Cardiovascular Anesthesiology and Pain Medicine. A member of the faculty at UMMS for 5 years and 15 at Harvard Medical School, he currently serves as a member of Massachusetts Governor Baker’s Special Commission on Opioids, where he advocates for patient access to pain care.

Edward C. Covington, MD

In recognition of his role as a pioneer-leader of the multidisciplinary Chronic Pain Rehabilitation Center, his significant and longstanding contributions to the Academy, and his distinguished career as a pain physician.

AAPM Past President Edward C. Covington, MD, was trained in psychiatry at Mayo Clinic. He is certified by the American Board of Psychiatry and Neurology in psychiatry with added qualifications in addiction psychiatry and pain management. He also is certified by the American Board of Pain Medicine. Dr. Covington founded the Chronic Pain Rehabilitation Program at Cleveland Clinic in 1979 and served as its director until his retirement last July. He developed a hospital pain consultation service for the diagnosis and management of problematic acute, chronic, and malignant pain.

Dr. Covington has published articles and chapters on subjects related to the psychology, physiology, and pharmacology of chronic pain. He is a reviewer for the Clinical Journal of Pain, and a member of the Editorial Review Board for Pain Medicine and continues to lecture nationally and internationally on subjects related to chronic pain and the interface of pain and addiction.

He has been active in medical organizations and served as president of the Ohio Psychiatric Association. He serves as secretary of the American Board of Pain Medicine and was a longtime member of the Board of Directors of the American Chronic Pain Association. Currently, Dr. Covington chairs AAPM’s Opioid Advisory Committee.

“\nI am very grateful for this award; however, I have to say that the greatest reward comes from having been involved in the work of the Academy for many years. It has provided me with diversity in my career, a chance to develop enduring friendships with people who share my challenges, and an opportunity to be a part of the development of our new medical specialty. I have received much more than I ever gave, and the Academy has been one of the most meaningful parts of my professional life.”

Edward C. Covington, MD
Presidential Commendation Award Recipient

Scott M. Fishman, MD

In recognition of his role in advancing interprofessional pain education broadly, and in particular in ensuring that pain is appropriately represented within American medical education through efforts to utilize the United States Medical Licensure Examination as a vehicle for doing so.

Dr. Scott M. Fishman is professor of anesthesiology and psychiatry (secondary), chief of the Division of Pain Medicine, and executive vice chair for the Department of Anesthesiology at the University of California (UC), Davis. He also is the director of the UC Davis Center for Advancing Pain Relief. He is past president of AAPM and served in leadership of other professional organizations. He has authored multiple books and more than 100 peer-reviewed articles in medical literature and serves as senior editor of Pain Medicine, executive section editor for cancer and supportive care for Anesthesia & Analgesia, and editor for acute and chronic pain for UpToDate. He advocates with physicians, consumers, regulators, and lawmakers for the safe and effective use of pain treatments. He has led national and international efforts to transform pain education through developing and enacting core competencies for pain education.
tion in the immediate and subacute postsurgical periods was sparked when she sustained a severe crush injury that left her with daily back pain.

The f... Massachusetts College of Emergency Physicians; has served three terms on the Public Health Committee of the American College of Emergency... policy at the Tufts University School of Medicine: develop shared competencies in pain for medical students statewide.

The following individuals also are recognized for their contributions to the success of the program on pain research, education, and policy at the Tufts University School of Medicine:

- Zahid H. Bajwa, MD
- Carol Curtiss, MS RN
- Richard Glickman-Simon, MD
- Ronald Kulich, PhD
- Ewan McNicol, RPh MS
- Srdjan Nedeljkovic, MD
- Pamela Ressler, MS RN HN-BC
- Sharan Schwartzberg, EdD OTR/L FAOTA CGP FAGPA
- Steven Scrivani, DDS DmedSc
- Maureen Strafford, MD
## SCHEDULE AT A GLANCE

### WEDNESDAY, MARCH 15 | PRECONFERENCE SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 am–Noon</td>
<td>Essential Tools for Treating the Patient in Pain™—Part 1 of 2 (PME)</td>
</tr>
<tr>
<td>Noon–1 pm</td>
<td>Lunch Break (Not Provided)</td>
</tr>
<tr>
<td>1–5 pm</td>
<td>Essential Tools for Treating the Patient in Pain™—Part 2 of 2 (PME)</td>
</tr>
<tr>
<td>6–9 pm</td>
<td>Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient—Part 1 of 2 (002)</td>
</tr>
</tbody>
</table>

### THURSDAY, MARCH 16 | PRECONFERENCE SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8–11:30 am</td>
<td>Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient—Part 2 of 2 (002)</td>
</tr>
<tr>
<td>11:30 am–Noon</td>
<td>AAPM-Provided Lunch</td>
</tr>
<tr>
<td>Noon–1 pm</td>
<td>Satellite Symposium [FREE EVENT]</td>
</tr>
<tr>
<td>1:15–4:45 pm</td>
<td>SAFE Opioid Prescribing Program (003) [FREE EVENT]</td>
</tr>
</tbody>
</table>

### THURSDAY, MARCH 16 | ANNUAL MEETING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5–6 pm</td>
<td>Opening Session and Award Presentations (101)</td>
</tr>
<tr>
<td>6–7:30 pm</td>
<td>Welcome Reception</td>
</tr>
</tbody>
</table>

### FRIDAY, MARCH 17 | ANNUAL MEETING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30–7 am</td>
<td>AAPM-Provided Breakfast</td>
</tr>
<tr>
<td>7–8 am</td>
<td>Satellite Symposium [FREE EVENT]</td>
</tr>
<tr>
<td>8:15–9:15 am</td>
<td>General Session I and Award Presentations (102)</td>
</tr>
<tr>
<td>9:15–10 am</td>
<td>General Session II and Award Presentations (103)</td>
</tr>
<tr>
<td>10–11 am</td>
<td>NETWORKING BREAK</td>
</tr>
<tr>
<td>11 am–Noon</td>
<td>CONCURRENT SESSIONS</td>
</tr>
<tr>
<td>Noon–12:30 pm</td>
<td>AAPM-Provided Lunch</td>
</tr>
<tr>
<td>12:30–1:30 pm</td>
<td>Satellite Symposium [FREE EVENT]</td>
</tr>
<tr>
<td>1:45–2:45 pm</td>
<td>CONCURRENT SESSIONS</td>
</tr>
<tr>
<td>2:45–3:45 pm</td>
<td>NETWORKING BREAK</td>
</tr>
<tr>
<td>3:45–6 pm</td>
<td>Practice Management Workshop: Tools to Thrive in an Era of Healthcare Transformation (210)</td>
</tr>
<tr>
<td>3:45–4:45 pm</td>
<td>Advocacy for Pain Medicine on Capitol Hill During the Current Opioid Crisis (207)</td>
</tr>
<tr>
<td>4:45–5 pm</td>
<td>NETWORKING BREAK</td>
</tr>
<tr>
<td>5–6 pm</td>
<td>CONCURRENT SESSIONS</td>
</tr>
<tr>
<td>6–7:30 pm</td>
<td>Opioid Prescribing Guidelines: Practical and Ethical Considerations with Clinical Pearls for PCP and Specialty Pain Management (211)</td>
</tr>
<tr>
<td>7–9:30 pm</td>
<td>Special Evening Session: Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop (004)</td>
</tr>
</tbody>
</table>
SATURDAY, MARCH 18 | ANNUAL MEETING SESSIONS

6:30–6:45 am  AAPM-Provided Breakfast

6:45–7:45 am  Satellite Symposium  FREE EVENT

8–9:15 am  General Session III and Award Presentations (104)

  Robert G. Addison Award & Patient Advocacy Award Presentations
  Behavioral and Self-Management Resources for Immediate Implementation: Align Your Practice with the Changes in Public Healthcare

9:15–10:15 am  NETWORKING BREAK

  Exhibits & Poster Sessions (Group 2)
  Meet the Faculty: 9:30–10 am

10:15–11:45 am  CONCURRENT SESSIONS

  Neuropathic Pain: Still Unrecognized and Undertreated: Where Are We in 2017? (301)
  Complex Regional Pain Syndrome: Proper Diagnosis Leads to Appropriate Treatment Including Ketamine and Neuromodulation: Do Different Subtypes Require Different Treatment Algorithms? (302)

11:45 am–12:15 pm  AAPM-Provided Lunch

12:15–1:15 pm  Satellite Symposium  FREE EVENT

1:30–2:30 pm  CONCURRENT SESSIONS

  Comprehensive Pain Management in the Department of Defense (DoD): A Public Health Approach to Easing the Pain Burden Among America’s Warriors (304)
  Behavioral Health and Pain Education Interventions: Helping Patients Understand and Change Their Pain (305)
  Obesity Management in Interventional Pain Practice (306)

2:30–2:45 pm  NETWORKING BREAK

2:45–4:15 pm  AACPM Pain Psychology Task Force: Behavioral Pain Management Training for Healthcare Professionals (310)

2:45–6 pm  A 4-Dimensional Response to the Opioids Crisis: Health Care Policy, Clinical Practice, Community Education, and Law Enforcement (307)
  American Headache Society: Chronic Migraine Education Program (308)
  Innovations in Neuromodulation and Evidence-Based Review: How to Apply Them to Your Clinical Practice (309)

4:15–4:30 pm  NETWORKING BREAK

4:30–6 pm  CONCURRENT SESSIONS

  Preventing Pain Chronification After Amputation and Nerve Injury: Military Significance, Diagnostic Advancements, and Novel Analgesic Pathways (311)
  Collaborative Health Outcomes Information Registry (CHOIR): Treatment Lessons Learned (312)
  Managing Challenging Headaches: Evidence-Based Medicine and the Roles of IV Infusions, Nerve Blocks, Neuromodulation, and Behavioral Therapy (313)

SUNDAY, MARCH 19 | ANNUAL MEETING SESSIONS

7–7:45 am  Special Event: Pain Medicine Journal and National Institutes of Health (NIH): How to Succeed as an Academic Clinical Pain Researcher
  This is not a CME program.

8–9:30 am  CONCURRENT SESSIONS

  Interpreting and Using Laboratory Tests for Pain Management Patients Correctly: Interactive Case Studies (401)
  Embracing the Porcupine of Change: A Practical Toolkit for Difficult Conversations About Opioids (402)
  Conundrums in Palliative Medicine: Managing Difficult Symptoms and Managing the Patient with Aberrant Opioid Behavior (403)
  Optimizing Clinical Practice: Interprofessional Perspectives on Assessing Pain More Effectively (404)

9:30–9:45 am  NETWORKING BREAK

9:45–10:45 am  CONCURRENT SESSIONS

  Research Update on Controversies in Pain Medicine: A Pearls Session (405)
  Oncologic Pain Medicine: Cancer Pain Syndromes and Treatment Paradigms (406)
  Ketamine for Chronic Pain: Panacea or Snake Oil? (407)
  Pain and the Reward Pathway: Preclinical Studies on the Impact of Pain on Opioid-Seeking Behavior (408)

10:45–11 am  NETWORKING BREAK

11 am–Noon  CONCURRENT SESSIONS

  Safe Opioid Prescribing and Risk Mitigation Practices in Pediatrics (410)
  Preventing Inpatient Sentinel Events While Controlling Pain (411)

#PainMed2017 | 19
AAPM 33rd Annual Meeting Receptions

Welcome Reception:
Thursday, March 16, 6–7:30 pm

AAPM 33rd Annual Meeting Reception:
Friday, March 17, 6–7:30 pm
Join AAPM leadership, fellow meeting attendees, and industry partners during evening receptions in the Resource Center. Receptions provide an excellent opportunity to socialize and network with colleagues, view more than 150 scientific poster abstracts featuring the latest pain research, and learn about the newest technologies and products to improve your practice and patient care.

Pain Medicine Program Directors, Fellows, Residents, and Students Reception
Friday, March 17, 5–6 PM
Meet with program directors and learn more about the specialty of pain medicine. Pain medicine fellows, residents, and students are welcome to attend.

AAPM Shared Interest Groups (SIGs)
Meeting registrants are invited to participate in SIG meetings, offering an opportunity for attendees to connect with a niche community of practitioners who share similar interests. Meeting times and locations will be posted at www.painmed.org and on the 2017 AAPM Annual Meeting mobile app when available. SIGs include:
• Acute Pain Medicine
• Interdisciplinary Pain Medicine
• Military/Veterans Affairs (VA)
• Pain Psychology
• Primary Care
• Resident Fellow Education

Easily Identify Colleagues with Similar Interests
The AAPM Annual Meeting is the must-attend meeting of the year because it brings together a multimodal, multidisciplinary group of pain medicine clinicians. New this year, badge ribbons will help attendees identify colleagues with similar backgrounds and interests to facilitate networking. Visit the ribbon kiosk at Registration and select ribbons to help you connect with your peers.

Connect Through Social Media and the AAPM Annual Meeting App
Build your meeting schedule, access important meeting information, and connect with your fellow attendees by downloading the AAPM Annual Meeting mobile app. To download, search “AAPM 2017 Annual Meeting” in the App Store for Apple devices and Google Play for Android devices. Follow AAPM on Facebook, Twitter, and LinkedIn using #PainMed2017 for the latest 33rd Annual Meeting news and updates.

Special Event: Pain Medicine Journal & National Institutes of Health (NIH): How to Succeed as an Academic Clinical Pain Researcher
Sunday, March 19, 7–7:45 am
Learn how to succeed as a pain researcher by writing compelling research grant proposals and eye-catching manuscripts. During this special networking event, expert pain medicine researchers; the editor of AAPM’s journal, Pain Medicine; and National Institutes of Health representatives will present invaluable tips and strategies on how to get your research projects funded and published.

NEW! Meet the Faculty

Friday, March 17, 10:15–10:45 am, 3–3:30 pm
Saturday, March 18, 9:30–10 am
New in 2017, AAPM is excited to feature Meet the Faculty events during meeting breaks. Plan to attend for the opportunity to get your questions answered by pain medicine experts and to engage in discussion with fellow meeting attendees. Meet the Faculty events will take place in the Resource Center.
Get more meeting.

Download the AAPM 2017 Annual Meeting mobile app.

Stay informed about hot issues, event program changes, upcoming events, and organizer messages.

- Access the full meeting schedule
- Navigate the meeting venue with interactive maps and room assignments
- Discover local attractions near the venue
- Connect with fellow attendees
- Build your personal schedule
- Bookmark sessions and speakers
- Access handouts & CME evaluations

To download, search for AAPM 2017 Annual Meeting in the App Store or on Google Play.
WAPMU Ultrasound/Cadaver Program (001)*
Comprehensive Ultrasound-Guided Procedures for the Pain Practitioner: Cadaver-Based Training of Neurological, Musculoskeletal, and Regenerative Procedures

Grand Caribbean 8-10

Back by popular demand, the World Academy of Pain Medicine Ultrasonography (WAPMU) is again collaborating with AAPM to offer an advanced ultrasound/cadaver preconference program. The target audience for this program includes pain medicine, orthopedic, sports medicine, physical medicine and rehabilitation, radiologists, and family medicine specialists interested in expanding and improving their knowledge and techniques of ultrasound-guided pain procedures and the use of regenerative medicine in the healing of musculoskeletal injuries. Attendees will be led by expert faculty during this hands-on cadaver program featuring lower extremity musculoskeletal and nerve ultrasonography, ultrasound and regenerative medicine, and spinal and sympathetic chain ultrasonography procedures.

Co-Chairs
Mark Hurdle, MD
Matthew Pingree, MD

Faculty
Stephan Esser, MD
Amitabh Gulati, MD
Einar Ottestad, MD
David Spinner, DO

Agenda, Wednesday, March 15
6:45–7 am
Registration
7 am–Noon
Cadaver Laboratory Rotation Training
1–5 pm
Cadaver Laboratory Rotation Training

LEC TURE TOPI CS & CAD AVER LABORATORY TRAINING ROTATIONS

Station 1—Lumbar, Cervical, & Thoracic Spine 2 hours
Attendees will review and practice the following procedures in station 1:
- Neck, Cervical Sympathetic Trunk: Cervical medial branch, cervical nerve roots, stellate ganglion, suprascapular n. ventral
- Pelvic, Lumbar/Sacral Area: Caudal, SIJ, piriformis muscle, pudendal nerve, lumbar medial branch, Z-joint
- Head/Thorax: Greater occipital nerve, intercostal nerves, thoracic facet joint, sphenopalatine ganglion block, TMJ blocks, chemodenervation injections for migraines

Station 2—Regenerative Medicine: PRP & Stem Cell 2 hours
Attendees will review and practice the following procedures in station 2:
- PRP and Stem Cell Process: Sample collection, basic technology of equipment, and demonstration
- Platelet-Rich Plasma: History, studies, patient candidates, results, what to expect, postoperative instructions and care
- Stem Cell: History, studies, patient candidates, results, what to expect, postoperative instructions and care

Station 3—Upper Extremity 2 hours
Attendees will review and practice the following procedures in station 3:
- Shoulder: Suprascapular nerve, AC-joint, subacromial bursa
- Gleno-humeral joint
- Arm: Biceps tendon, carpal tunnel

Station 4—Lower Extremity 2 hours
Attendees will review and practice the following procedures in station 4:
- Hip Joint: Trochanteric complex
- Knee Joint: Saphenous nerve
- Peripheral Nerve: Iliinguinal nerve, lateral femoral cutaneous nerve, tibial nerve, tarsal canal

*All attendees must complete a WAPMU-provided online evaluation to receive a certificate of credit. The number of credits awarded will be based on the hours of attendance indicated on the evaluation.

There is an additional fee to attend this preconference program. Registration is required.

WAPMU and AAPM will determine eligibility for each registrant, and reserve the right to refuse any registrant.

Comprehensive Ultrasound-Guided Procedures for the Pain Practitioner: Cadaver-Based Training of Neurological, Musculoskeletal, and Regenerative Procedures is supported in part by educational grants from the following commercial supporters as of February 16, 2017: Biorich Medical Inc.; Boston Biolife; Complete Medical Services; Diros Technologies; Gator Medical Books, LLC; GE Healthcare; Havel’s Inc.; Konica Minolta; and Whale Imaging.
Essential Tools for Treating the Patient in Pain™: What Every Clinician Treating Pain Patients Needs to Know (PME)*

Co-Chairs
Gagan Mahajan, MD
Farshad M. Ahadian, MD

Essential Tools for Treating the Patient in Pain™ is AAPM’s flagship preconference program. Each year, this program features the most cutting-edge, relevant topics on the fundamentals of pain medicine and practical approaches to the treatment of common pain disorders. Clinically focused lectures on the assessment, diagnosis, and treatment of patients with various acute, cancer, end-of-life, and chronic pain syndromes enable attendees to make immediate improvements in their practice. Year after year, attendees attest that this course leads to significant improvements in their pain medicine knowledge, practice, and competence.

Agenda, Wednesday, March 15
7 am–Noon
Part 1 of 2
Difficult Patient, Difficult Drugs, Difficult Doctors: Pain Management Doesn’t Have to Be Difficult
Farshad M. Ahadian, MD
Psychiatric Evaluation of the Patient with Chronic Pain
Ravi Prasad, PhD
Evaluation of the Adult Patient with Head Pain
James C. Watson, MD

1–5 pm
Part 2 of 2
Physical Exam of the Spine
Steven P. Stanos, DO
Physical Exam of the Shoulder and Hip
Steven P. Stanos, DO
Opioid-Induced Central Sleep Apnea: A Case-Based Approach to Diagnosis and Treatment
W. Michael Hooten, MD, R. Robert Auger, MD

Agenda, Thursday, March 16
8–11:30 am
Part 2 of 2
Anticonvulsants for Neuropathic Pain
James C. Watson, MD
Analgesic Antidepressants for Chronic Pain
Ajay D. Wasan, MD, MSc
NSAIDs for Acute and Chronic Pain
Jeffrey Fudin, PharmD FCCP FASHP
Topical Analgesics for Acute and Chronic Pain
Steven P. Stanos, DO

Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient (002)* Grand Caribbean 3-5

Co-Chairs
W. Michael Hooten, MD
Steven P. Stanos, DO

The pharmacologic management of chronic pain is an important aspect of most if not all clinicians’ daily practices. However, strategies aimed at optimizing the use of non-opioid analgesics while mitigating the potential risks associated with opioid use can be difficult to implement. This course will provide timely, useful, and practical information about the use of opioid and non-opioid analgesics to treat adults with chronic pain.

Agenda, Wednesday, March 15
6–9 pm
Part 1 of 2
Opioid Management—Introduction
W. Michael Hooten, MD
Opioid Pharmacology
Robert W. Hurley, MD PhD
Methadone and Buprenorphine: Atypical Opioids?
Charles E. Argoft, MD
Adverse Effects of Opioids
Halena Gazelka, MD

Monitoring Long-Term Opioid Therapy: Risk Mitigation Strategies
Gagan Mahajan, MD
Integrating CDC Guidelines into Clinical Practice
W. Michael Hooten, MD
Opioid Tapering
David A. Fishbain, MD

Agenda, Thursday, March 16
8–11:30 am
Part 2 of 2
Muscles Relaxants for Acute and Chronic Musculoskeletal Pain
Steven P. Stanos, DO
Pharmacologic Management of Migraine Headache
James C. Watson, MD
Pharmacologic Strategies for Pain-Related Sleep Disruption
Ajay D. Wasan, MD, MSc

AAPM designates this live activity for a maximum of 6.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

*There is an additional fee to attend both of the preconference programs on this page. Registration is required.

AAPM designates this live activity for a maximum of 9.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The 2017 Essential Tools for Treating the Patient in Pain™ course is supported in part by educational grants from the following commercial supporters as of February 7, 2017: Depomed and Teva Pharmaceuticals.
SAFE Opioid Prescribing: Risk Evaluation and Mitigation Strategy for Extended-Release and Long-Acting Opioid Analgesics (003)

**Grand Caribbean 6**

**Faculty**
Charles E. Argoff, MD  
Gagan Mahajan, MD  
Oscar de Leon-Casasola, MD

Extended release/long-acting (ER/LA) opioids are highly potent drugs that are approved to treat moderate to severe persistent pain in serious and chronic conditions. The misuse and abuse of these drugs have resulted in a serious public health crisis of addiction, overdose, and death.

The Risk Evaluation and Mitigation Strategy (REMS) is part of a multi-agency federal effort to address the growing problem of prescription drug abuse and misuse. REMS introduces new safety measures to reduce risks and improve safe use of ER/LA opioids while continuing to provide access to these medications for patients in pain. This program provides an overview of strategies, assessment, and fundamentals of SAFE opioid prescribing.

**Program Overview, Thursday, March 16**

1:15–4:45 pm

These three sessions, made up of six CME modules, comprise a REMS-compliant training program focused on the safe prescribing of ER/LA opioid analgesics.

- **SAFE Opioid Prescribing: ER/LA Opioids—Perspectives on Patient Assessment and Therapy Management**
  1. Evaluation is Essential for Safe and Effective Pain Management Using ER/LA Opioids
  2. Best Practices for How to Start Therapy with ER/LA Opioids, How to Stop, and What to Do in Between

- **SAFE Opioid Prescribing: Goals of Therapy, Monitoring, and Patient Education of ER/LA Opioids**
  3. Evidence-Based Tools for Screening for Patients at Risk and Monitoring for Adherence to Prescribed ER/LA Opioids
  4. Talk to Me: Proven Methods to Counsel Your Patients on ER/LA Opioids and Achieve Positive Outcome

- **SAFE Opioid Prescribing: Assessing ER/LA Opioid Products: Similarities and Differences Prescribers Need to Know**
  5. Everything You Always Wanted to Know About ER/LA Opioids as a Drug Class
  6. Getting the Most Clinical Insights from Specific ER/LA Product Information Sources

This preconference program is **free. Advance registration is required.**
For your career.
For your profession.
For your patients.

Join the distinguished community of physicians, researchers, and other pain professionals.

The American Academy of Pain Medicine (AAPM) has been the premier non-profit professional medical association serving this community for more than 30 years.

Resources. Members receive the Academy’s journal, Pain Medicine, the premier source of peer-reviewed research and commentary on pain medicine. The robust AAPM website includes a library of pain medicine resources, patient education materials, practice management resources, an online career center, and more.

Engagement. Get discounts on conference registration to AAPM’s Annual Meeting. This preeminent annual event features expert faculty, outstanding educational sessions on the hottest topics in pain, and an unparalleled opportunity to network with fellow pain medicine practitioners and nationally recognized leaders in the field. Participating in a Shared Interest Group, Task Force, or AAPM Committee provides another forum for engagement with your colleagues.

Education. Easy online access to Continuing Medical Education (CME) programs for physicians and other pain professionals by top experts and researchers. AAPM is accredited by the Accreditation Council for Continuing Medical Education (ACCME).

Updates. Stay on top of the latest news in the field of pain medicine with AAPM’s bimonthly e-news. Members also receive AAPMail Alerts—timely emails on FDA alerts, advocacy updates, member information and more.

Advocacy. AAPM voices your concerns — the needs of both patients and professionals. As part of the Pain Care Coalition in Washington DC, and through representation in the AMA House of Delegates (HOD), the Academy advocates for a balanced approach to safe and effective pain treatment.

Questions? Contact Member Services at info@painmed.org or 847.375.4731, or visit painmed.org.

Join today.
Apply online at painmed.org/membercenter.
Thursday, March 16

5–6 pm
Grand Caribbean 6
Opening Session and Award Presentations (101)

Presentation of the Founders Award to R. Norman Harden, MD

Presentation of the Presidential Excellence Award for Education to Col. Kevin Galloway, U.S. Army (retired)
MHA BSN

Mobilizing Societies, Healthcare Systems, and Pain Clinicians in Advocating for Quality Patient Care: Lessons Learned from Washington State
When the Washington State Healthcare Authority decided to re-examine the evidence and safety of a standard, accepted procedure performed by many pain clinicians—lumbar epidural injections—a grassroots effort led to a successful legal challenge that can be applied to challenges in other states.
Moderator: Steven P. Stanos, DO

Friday, March 17

8:15–9:15 am
Grand Caribbean 6
General Session I and Award Presentations (102)

8:15–8:30 am
Grand Caribbean 6
President’s Opening Remarks
Daniel B. Carr, MD

8:30–8:45 am
Grand Caribbean 6
Presentation of the Philipp M. Lippe Award to Rollin M. Gallagher, MD MPH

Presentation of the Distinguished Service Award to Sean Mackey, MD PhD

8:45–9:15 am
Grand Caribbean 6
Keynote Address
The Prescription Opioid and Heroin Crisis: A Public Health Response
Rachel Levine, MD

9:15–10 am
Grand Caribbean 6
General Session II and Award Presentations (103)
Presentation of the Pain Medicine Fellowship Excellence Awards

Plenary Research Highlights
Increasing the quality and quantity of scientific pain research is a primary goal of the AAPM Annual Meeting. The Scientific Poster Abstract Committee has selected two of the highest-ranking 2017 poster submissions for live presentation during this plenary event.
Moderator: James C. Watson, MD

Background: 2015–16 Washington State Healthcare Authority Re-Review Decision on Approving Epidurals for Lumbar Radicular Pain and Local Pain Management Crisis After Closure of Large Pain Clinic
Steven P. Stanos, DO

I Need a Refill: 8,000 Patients Search for a New Pain Home in a Statewide Response to a Real Medical Crisis
Brett R. Stacey, MD

Multisociety Pain Work Group (MPW): How Societies Work Together to Make a Difference
Virtaj Singh, MD

6–7:30 pm
Kingston Hall
Welcome Reception

Kick off your meeting by networking with AAPM leadership, fellow attendees, and industry partners in the Resource Center. View scientific posters (Group 1) and meet the authors. Attend the Corporate Showcase and visit more than 100 booths representing companies showcasing products and services designed for leaders in the study and treatment of pain. Cocktails and refreshments will be served. Entry is included with registration.

8:15–8:30 am
President’s Opening Remarks
Daniel B. Carr, MD

8:30–8:45 am
Presentation of the Philipp M. Lippe Award to Rollin M. Gallagher, MD MPH

Presentation of the Distinguished Service Award to Sean Mackey, MD PhD

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Moderator: James C. Watson, MD

Cost Savings Associated with Intensive Outpatient Pain Management of Duke Health System High Utilizers (Poster 181—Group 2)
Steven D. Prakken, MD

Successful Implementation of the Opioid Safety Initiative in the Department of Veterans Affairs (Poster 206—Group 2)
Friedhelm Sandbrink, MD

10–11 am
Networking Break
Visit exhibits, see scientific posters (Group 1), and attend Meet the Faculty and Corporate Showcase events in the Resource Center!

11 am–Noon
Concurrent Sessions
Grand Caribbean 8-10

Beyond Acute Opioid Tapering: Medical and Behavioral Associations of Latent Opioid Withdrawal (201)
The underreported secondary phase of opioid withdrawal has received little attention and is especially important considering that many patients relapse within the first months following opioid cessation. This session will focus on the neurobiological, pharmacological, and psychological considerations during the latent phase of opioid withdrawal with recommendations to maximize long-term success.
Moderator: Jennifer L. Murphy, PhD

Mental Health Considerations Following Opioid Tapering and Keys for Behavioral Management
Jennifer L. Murphy, PhD

Neurobiological Mechanisms of Latent Opioid Withdrawal and Pharmacological Treatment Options
W. Michael Hooten, MD
Risk Stratification for Persistent Post-Surgical Pain and Opioid Use, Misuse, and Overdose
Michael L. Kent, MD CDR MC USN

Expanding the Role of the Perioperative Surgical Home: Engaging Patients and Providers to Optimize Acute Pain Management
David A. Edwards, MD PhD

Preventing Persistent Post-Surgical Pain and Promoting Opioid Cessation After Discharge
Jennifer Hah, MD MS

1:45–2:45 pm
Grand Caribbean 3-5
Empower Veterans Program (EVP): Innovative Integrated Self-Care Well-Being Training (205)
The EVP coaches clients with high-impact chronic pain to help them live a fuller life. Intensive, integrated self-care coaching with a psychologist, chaplain or social worker, and physical therapist has shown to clinically improve pain interference, depression and anxiety, and physical well-being. This session will model program sustainability through cost avoidance.
Moderator: Michael Saenger, MD FACP

Empower Veterans Program (EVP): For a Fuller Life in Spite of Chronic Pain
Michael Saenger, MD FACP
Developer/Mentor of EVP Mindful Movement
Jennifer Gansen, DPT CPE

Poster Research Highlights (202)
This scientific session will present cutting-edge research from four additional award-winning scientific poster submissions.
Moderator: James C. Watson, MD

Use of Simulation and Immersive Learning to Teach Safe Opioid Prescribing (Poster 159—Group 1)
Jordan L. Newmark, MD

Chronic Outpatient Opioid Use and Hospital-Acquired Infections (Poster 163—Group 1)
Andrea Rubinstein, MD

Changes in Central Sensitization Among Chronic Pain Patients Participating in an Interdisciplinary Chronic Pain Rehabilitation Program: A Preliminary Assessment (Poster 224—Group 2)
Xavier F. Jimenez, MD MA

Stem Cell Transplantation for Neuropathic Pain in Rats (Poster 239—Group 2)
Kathleen Cheng

11 am–Noon
Grand Caribbean 11-12
The State of Evidence-Based Stem Cell and Platelet-Rich Plasma (PRP) Therapy for Degenerative Musculoskeletal and Spine Conditions (203)
Mesenchymal stem cells (MSCs) and PRP therapy for pain conditions have attracted interest because of evidence regarding their capacity to decrease local inflammatory responses, promote indigenous cell activity, increase matrix productions, and ultimately relieve pain. This session will review the current knowledge regarding technology for MSCs and PRP therapy, summarize evidence in animal and clinical trials, and discuss future applications in pain medicine.
Moderator: Wenchun Qu, MD PhD

The State of Evidence-Based Stem Cell and PRP Therapy for Degenerative Musculoskeletal and Spine Conditions
Wenchun Qu, MD PhD

Mechanism of Mesenchymal Stem Cells in Management of Painful Degenerative Musculoskeletal and Pain Conditions
Jianguo Cheng, MD PhD

Treatment of Degenerative Spine Conditions with Stem Cell and PRP Therapy
Gerard A. Malanga, MD

11 am–Noon
Grand Caribbean 3-5
Grand Caribbean 11-12
1:45–2:45 pm
Grand Caribbean 8-10
Addressing the Opioid Crisis While Treating Acute Pain: Strategies for Optimal Care (204)
Forty-five million Americans undergo surgery annually, resulting in acute pain and obligatory opioid use. This session will present an interdisciplinary approach to perioperative pain management that optimizes nonopioid analgesic treatments while monitoring opioid dose escalations and limiting adverse effects.
Moderator: Jennifer Hah, MD MS

Moderator: Michael L. Kent, MD CDR MC USN

Moderator: Michael Saenger, MD FACP

Networking Break
Visit exhibits and attend Meet the Faculty events in the Resource Center!

2:45–3:45 pm
Networking Break

3:45–4:45 pm
Concurrent Sessions
Grand Caribbean 3-5
Advocacy for Pain Medicine on Capitol Hill During the Current Opioid Crisis (207)
Pain management advocacy has become extremely difficult in this era of opioid epidemic in the United States. Our leaders on Capitol Hill and the public need to be educated on how multidisciplinary treatment, such as the Department of Veterans Affairs stepped care model, can prevent opioid overuse while still administering optimal pain care.
Moderator: Michael S. Leong, MD

Central Neuropathic Pain Syndromes: Unique Features and Emerging Treatments (206)
Central neuropathic pain is extremely challenging to treat. This session will present the unique mechanisms necessary to develop a central neuropathic pain state and to differentiate neuropathic pain from other pain types in a neurologically devastated patient. It also will provide an evidence-based pharmacologic and interventional treatment approach to central neuropathic pain.
Moderator: James C. Watson, MD

Central Neuropathic Pain: Incidence, Unique Mechanisms, and Clinical Challenges
James C. Watson, MD

Central Neuropathic Pain Treatment: Traditional, Interventional, Cannabinoid, and Emerging
Paola Sandroni, MD PhD

Central Caribbean 8-10
Addressing the Opioid Crisis While Treating Acute Pain: Strategies for Optimal Care
Moderator: Jennifer Hah, MD MS

Noon–1:45 pm
Networking & Lunch Break

Central Caribbean 3-5
Empower Veterans Program (EVP): Innovative Integrated Self-Care Well-Being Training
Empower Veterans Program (EVP): For a Fuller Life in Spite of Chronic Pain
Empower Veterans Program (EVP) Mindful Movement
Developer/Mentor of EVP Mindful Movement
Jennifer Gansen, DPT CPE

Poster Research Highlights
This scientific session will present cutting-edge research from four additional award-winning scientific poster submissions.

11 am–Noon
Grand Caribbean 3-5
Grand Caribbean 11-12
Central Caribbean 8-10
Central Caribbean 3-5

Central Caribbean 3-5
Empower Veterans Program (EVP): Innovative Integrated Self-Care Well-Being Training
Empower Veterans Program (EVP): For a Fuller Life in Spite of Chronic Pain
Empower Veterans Program (EVP) Mindful Movement
Developer/Mentor of EVP Mindful Movement
Jennifer Gansen, DPT CPE

Central Caribbean 8-10
Addressing the Opioid Crisis While Treating Acute Pain: Strategies for Optimal Care
Moderator: Jennifer Hah, MD MS
Introduction to Pain Medicine Advocacy on Capitol Hill
Michael S. Leong, MD

Opioid Abuse and Chronic Pain: Twin Epidemics
Mehul J. Desai, MD

The Veterans Affairs (VA) Stepped Care Model for Pain Management
Rollin M. Gallagher, MD MPH

3:45–4:45 pm
Grand Caribbean 8-10
Addressing Safe Prescribing Competencies in Health Professions Curricula (208)
Explore the gaps in pain education and demonstrate how three U.S. medical schools have addressed safe prescribing with the design of a new curriculum. Each school will share its approach to training at a different point in the continuum of medical education.
Moderator: Patricia A. Thomas, MD FACP

Addressing Safe Prescribing Competencies in Medical Education
Patricia A. Thomas, MD FACP

Prescription Drug Misuse and Addiction for Practicing Clinicians
Theodore V. Parran Jr., MD FACP

The O.P.I.A.T.E. Curriculum: Outpatient Principles to Improve Addiction Training and Education
Audrey L. Tankersley, MD

3:45–4:45 pm
Grand Caribbean 11-12
Fibromyalgia and Other Functional Pain Syndromes: Pathophysiology, Assessment, and Management (209)
Functional pain syndromes commonly are seen by primary care and pain medicine practitioners. This session will review common functional pain syndromes and will underline pathophysiologies, diagnostic strategies, and effective interventions, including both pharmacological and nonpharmacological approaches.
Moderator: Martin Cheatle, PhD

Functional Pain Syndromes: Novel Nonpharmacological Interventions—It Is All Above C1
Martin Cheatle, PhD

Pharmacological Interventions: Balancing Risk and Benefit
Michael A. Ashburn, MD MPH MBA

Pathophysiology and Assessment
Ignacio Badiola, MD

3:45–6 pm
Extended Session
Grand Caribbean 1-2
Practice Management Workshop: Tools to Thrive in an Era of Healthcare Transformation (210)
The increasingly complex world of emerging organized systems of care, population health, and value-based care require new approaches to practice development and management. This extended session will provide attendees with tools that can be applied to develop professionally and personally satisfying careers in pain medicine.
Moderator: Fred N. Davis, MD

Regulatory Changes Affecting Pain Medicine
Kevin E. Vorenkamp, MD

Challenges and Opportunities in Building a Successful Small Group Independent Practice
B. Todd Sitzman, MD

Creating a Scalable Practice Culture for Success
Fred N. Davis, MD

Choosing the Right Practice at Any Stage of Your Career
Cyndy Walsh

A Systematic Approach Toward Practice Management to Maximize Success
Jennifer Britten, CPC

4:45–5 pm
Networking Break

5–6 pm
Concurrent Sessions
Grand Caribbean 11-12
Opioid Prescribing Guidelines: Practical and Ethical Considerations with Clinical Pearls for PCP and Specialty Pain Management (211)
This session will present information on the potential effects of the Centers for Disease Control and Prevention’s and other guidelines on physicians providing opioid management for persons with chronic pain. It also will provide helpful clinical hints to assist with opioid and nonopioid pain management.
Moderator: James W. Atchison, DO

Pharmacologic and Medical Literature Considerations When Prescribing Opioids for Continuous Use in Non-Cancer Pain Management
Jeffrey Fudin, PharmD FASHP FCCP

How Opioid Prescribing Guidelines May Affect (Help or Hinder) a Primary Care Physician’s Ability to Provide Pain Management
Bill McCarberg, MD

How Opioid Prescribing Guidelines May Affect (Help or Hinder) a Pain Specialist’s Ability to Provide Pain Management
James W. Atchison, DO

Ethical Implications of Recent Opioid Prescribing Guidelines and the Need to Address All Patients Individually
Michael E. Schatman, PhD CPE

5–6 pm
Grand Caribbean 3-5
Evaluation of Interdisciplinary Functional Restoration Programs—Peri-Op to Primary Care: Is the Juice Worth the Squeeze? (212)
This session will highlight emerging efforts to re-establish intensive outpatient functional restoration pain programs in support of civilian, Department of Defense, and Veterans Affairs primary, subspecialty, and perioperative care environments. Topics include successes and difficulties, methodologies to maximize reimbursement, and utilization of technology to tailor patient treatment programs and gauge programmatic effectiveness.
Moderator: Steven R. Hanling, MD CDR MC

Functional Restoration Pain Programs (FRPP): Clinically Compelling but Financially Foreboding. Can Technology Help?
Steven R. Hanling, MD CDR MC
Functional Restoration in Primary Care Setting: Veterans Affairs (VA)
Aram Mardian, MD

Functional Restoration Program in a Pain Clinic Setting: Veterans Affairs (VA)
Timothy C. Dawson, MD

Communicating FRP Value: Selection of Measures Relevant to Your Population
Diane M. Flynn, COL (Ret.) MC USA MD MPH

5–6 pm
Grand Caribbean 8-10
Updates and Controversies in Radiofrequency Denervation and Anticoagulation Therapy for Interventional Pain Medicine (213)
This session will provide updates and controversies on topics that are important to interventional pain medicine practitioners, including radiofrequency denervation for knee and hip arthritis, facet joint radiofrequency denervation, and anticoagulation before interventional procedures.
Moderator: Steven P. Cohen, MD

Improving Patient Selection and Optimizing Outcomes for Facet Joint Radiofrequency Denervation
Steven P. Cohen, MD

Anticoagulation Therapy Before Interventional Procedures: Should We Continue or Hold It? Weighing the Risks and Benefits
David A. Provenzano, MD

Radiofrequency Denervation for Joint Pain: What Is the Evidence?
Michael B. Jacobs, MD MPH

6–7:30 pm
AAPM 33rd Annual Meeting Reception
Kingston Hall
AAPM 33rd Annual Meeting Reception
Cap off your day by networking with fellow meeting attendees in the Resource Center. View scientific posters (Group 2) and meet the authors. Attend the Corporate Showcase and visit more than 100 booths representing companies showcasing products and services designed for leaders in the study and treatment of pain. Cocktails and refreshments will be served. Entry is included with registration.

7–9:30 pm
Grand Caribbean 3-5
Special Evening Session: Advanced Clinical Skills for Low Back Pain: A Hands-On Workshop* (004)
This interprofessional hands-on workshop will utilize demonstration tables to highlight advances in assessing and treating common forms of low back pain. The session will encompass the anatomy and physiology; mechanistic underpinnings, including neuroscientific, psychological, and biomechanical perspectives; and the initiation of nonpharmacological and pharmacological treatment, focusing on evidence-based recommendations.
*There is an additional fee to attend this special evening session. Registration is required.
Co-chairs: James W. Atchison, DO; Beth B. Hogans, MD PhD

Stations:
Physical and Structural Exams and Treatment of Lumbar Spine, Sacroiliac Joint, Pelvic Dysfunction, and Lumbar Spine
Mansol Arcila, MD; James W. Atchison, DO; Carlos J. Placer, MD; Javier A. Placer, MD; Max Shokat, DO
Neurological Assessment and Treatment of Neuropathic and Muscular Elements of Low Back Pain
Beth B. Hogans, MD PhD
Physiatrist (PM&R) Assessment and Treatment of Low Back Pain
Marlis Gonzalez-Fernandez, MD PhD
Podiatric Diagnosis and Treatment of Stance and Gait Mechanics Contributing to Low Back Pain
Stuart Goldman, DPM

Saturday, March 18
8–9:15 am
Grand Caribbean 6
General Session III and Award Presentations (104)
Presentation of the Robert G. Addison Award to the Faculty of Pain Medicine of the Australian and New Zealand College of Anaesthetists (FPMANZCA)
Presentation of the Patient Advocacy Award to Judith A. Paice, PhD RN FAAN

Behavioral and Self-Management Resources for Immediate Implementation: Align Your Practice with the Changes in Public Healthcare
In this unique session, international experts from the United States and United Kingdom will bring you state-of-the-art behavioral and self-management resources and approaches that are no- or low-cost, scalable, plug-and-play solutions—without hiring new staff!
Moderator: Beth D. Darnall, PhD

9:15–10:15 am
Networking Break
Visit exhibits and scientific posters (Group 2) in the Resource Center!

10:15–11:45 am
Concurrent Sessions
Grand Caribbean 8-10
Neuropathic Pain: Still Unrecognized and Undertreated: Where Are We in 2017? (301)
Neuropathic pain is underdiagnosed and commonly mistreated, leading to unnecessary suffering. This session reviews appropriate
identification and evaluation of a neuropathic pain patient to make the correct diagnosis, as well as current treatment options and short-falls. Emerging treatments ranging from cannabinoids to mechanism-based interventions will be reviewed.

Moderator: Robert R. Stacey, MD

Neuropathic Pain: Overview of Epidemiology and Impact
Brett R. Stacey, MD

Neuropathic Pain: Making the Diagnosis
Miroslav Backonja, MD

Small Fiber Peripheral Neuropathy: New and Often Missed
Miroslav Backonja, MD

Treatment Options for Neuropathic Pain
Charles E. Argoff, MD

Rediscovered, New, and Upcoming: From Devices to Cannabinoids for Neuropathic Pain
Brett R. Stacey, MD

10:15–11:45 am
Grand Caribbean 3-5

Complex Regional Pain Syndrome: Proper Diagnosis Leads to Appropriate Treatment Including Ketamine and Neuromodulation: Do Different Subtypes Require Different Treatment Algorithms? (302)

With the publication and acceptance of validated diagnostic criteria for complex regional pain syndrome (CRPS), there is now an appreciation of different subtypes of CRPS, which mandate different treatment emphases. This session will raise awareness of different presentations of CRPS and provide variations in treatment algorithms, including incorporation of ketamine infusions.

Moderator: Joshua P. Prager, MD

Validated Diagnostic Criteria for CRPS
R. Norman Harden, MD

Behavioral Considerations in the Evaluation of Patients for CRPS Treatment
Marilyn S. Jacobs, PhD

Physiology of CRPS and Interventional Approaches to Address the Syndrome
Michael D. Stanton-Hicks, MB BS Dr med

Integrating Appropriate Diagnosis and Special Therapies in the Comprehensive Interdisciplinary Functional Rehabilitation Program
Joshua P. Prager, MD

10:15–11:45 am
Grand Caribbean 11-12

Contemporary Strategies for Intrathecal Drug Delivery: Polyanalgesic Consensus Guidelines, Efficacy, Safety, and Cost Effectiveness (303)

This session highlights recent notable changes in management strategies for patients with a targeted drug delivery system. It will review safety, efficacy, and best practices when employing intrathecal therapy and compare pharmacodynamic risks with oral analgesics, including the risks of respiratory depression, endocrinopathy, hyperalgesia, and addiction. Systemic opioid cessation alongside an appraisal of the economics of utilizing targeted drug delivery in a contemporary pain practice also will be addressed.

Moderator: Robert Bolash, MD

Current Comparison of Intrathecal and Oral Opioid and Nonopioid Analgesics: Selected Adverse Effects and Efficacy
Michael S. Leong, MD

Polyanalgesic Consensus Guidelines: An Update
Timothy R. Deer, MD

The Choice of Targeted Drug Delivery Versus Spinal Cord Stimulation for Chronic Pain
Nagy A. Mekhail, MD PhD

Cost Effectiveness of Targeted Drug Delivery
Robert Bolash, MD

11:45 am–1:30 pm
Networking & Lunch Break

1:30–2:30 pm
Concurrent Sessions

Comprehensive Pain Management in the Department of Defense (DoD): A Public Health Approach to Easing the Pain Burden Among America's Warriors (304)

This session highlights the achievements of the Army and Navy Comprehensive Pain Management Campaign Plans. Components include establishing regional interdisciplinary pain management Centers, strengthening the partnership between specialty and primary care, and implementing a pain registry and outcomes tracking system.

Moderator: Diane M. Flynn, COL (Ret) MC USA MD MPH

First Things First: Building Capacity for Interdisciplinary Care
Patrick A. Sherman, MHS DSc PA-C

Lessons Learned and Shared Between the Army and Navy Health Systems
Steven R. Hanling, MD CDR MC

Strengthening the Partnership Between Specialty Care and Primary Care Through Telementoring
William J. Grief, MD

Developing Capability for Outcomes-Guided Therapy
Diane M. Flynn, COL (Ret.) MC USA MD MPH

1:30–2:30 pm
Grand Caribbean 3-5

Behavioral Health and Pain Education Interventions: Helping Patients Understand and Change Their Pain (305)

This session will provide an overview of two approaches to behavioral intervention for pain, functional limitations, and affective distress: cognitive-behavioral therapy with a special emphasis on relaxation training and mindfulness-based stress reduction. Application of these interventions in various medical settings will be reviewed.

Moderator: Steven P. Stanos, DO

Integrating Traditional Behavioral Health into Your Management Plan
Steven P. Stanos, DO

Pain Care Is Everyone’s Job: Pain Education as a Treatment Intervention
Nora Stern, PT

Mindfulness-Based Stress Reduction (MBSR): A Physical Therapist’s Perspective
Carolyn McManus, PT

#PainMed2017
1:30–2:30 pm
Grand Caribbean 11-12
Obesity Management in Interventional Pain Practice (306)
Obese patients frequently present with pain complaints and comorbidities that challenge the scope of practice of any single medical specialty. Although the infrastructure for obesity treatment already exists in the realm of pain medicine, the simultaneous management of obesity and chronic pain requires additional office staff and physician training.
Moderator: Dmitri Souzdalnitski, MD PhD

Specifics of Treatment of Chronic Pain in Obese Individuals
Dmitri Souzdalnitski, MD PhD

Obesity and Chronic Pain: The Aching Fat!
Samer Narouze, MD PhD

2:30–2:45 pm
Networking Break

2:45–4:15 pm
Concurrent Sessions
Grand Caribbean 3-5
A 4-Dimensional Response to the Opioids Crisis: Healthcare Policy, Clinical Practice, Community Education, and Law Enforcement (307)
The opioid epidemic is at the forefront of national healthcare concerns. There is consensus that healthcare organizations and professionals, community organizers, legislators, and law enforcement should work harmoniously in a proactive manner. This session focuses on four areas for intervention and resource allocation to address the crisis.
Moderator: Rollin M. Gallagher, MD MPH

Opioids Management Education for Clinical Providers and the Community: A Critical Dimension and Task
Ali S. Mchaourab, MD

Addressing the Opioids Crisis at the State and Community Levels: The Role of Legislators, Providers, and Healthcare Organizations
Daniel M. Sullivan, MD FACP

The Opioids Crisis and Law Enforcement: A Transformational Role to Fit the Crisis
Carole S. Rendon, U.S. Attorney, ND OH

2:45–4:15 pm
Grand Caribbean 8-10
American Headache Society: Chronic Migraine Education Program (308)
The Chronic Migraine Education Program (CMEP), developed by the American Headache Society®, includes new advances and addresses acute and preventive treatment options. The CMEP is designed to provide a comprehensive understanding of migraine with an emphasis on chronic migraine, as well as on how to better diagnose and treat these serious problems.
Moderator: Richard Lipton, MD

Epidemiology, Diagnosis, and Pathophysiology of Chronic Migraine
Richard Lipton, MD

Acute, Preventative, and Emerging Treatments for Chronic Migraine
Matthew S. Robbins, MD

2:45–4:15 pm
Grand Caribbean 11-12
Innovations in Neuromodulation and Evidence-Based Review: How to Apply Them to Your Clinical Practice (309)
Neuromodulation is a rapidly advancing and changing therapy for the treatment of chronic pain. Data that is vital to ensuring proper patient selection and therapeutic utilization of these new therapies is rapidly becoming available, along with new treatment modalities and methods of stimulation.
Moderator: Timothy R. Deer, MD

Evidence-Based Review and Stimulation of the Dorsal Root Ganglion for the Treatment of Pain
Timothy R. Deer, MD

Neuromodulation Strategies: Current Evidence
Jason E. Pope, MD

Frequencies, Waveforms, and Feedback Loop
Tim J. Lamer, MD

2:45–6 pm
Extended Session
Grand Caribbean 1-2
AAPM Pain Psychology Task Force: Behavioral Pain Management Training for Healthcare Professionals (310)
This workshop aligns with the National Pain Strategy’s goal for biopsychosocial pain care and is suitable for all healthcare professionals. Participants will (1) learn about the science and critical role of psychology in pain management and (2) acquire skills and resources to enhance patient engagement in active pain management. Case studies, interactive exercises, and practical tip sheets will be included.
Moderator: Beth D. Darnall, PhD; Co-Introduction: Sean Mackey, MD PhD

What You Don’t Know CAN Hurt You: The Science of Pain Psychology
Beth D. Darnall, PhD

A Shifting Paradigm: From Biomedical to Biopsychosocial Interactions
Jennifer L. Murphy, PhD

How to Engage Patients in Optimal Pain Care
Sara A. Davin, PsyD MPH

Effective Strategies for Challenging Clinical Interactions
Jennifer L. Murphy, PhD

Putting It All Together: Interactive Application of Workshop Material
Judith Scheman, PhD

This workshop has been reviewed and approved by the American Psychological Association’s (APA’s) Office of Continuing Education in Psychology (CEP) to offer continuing education (CE) credit for psychologists. Full attendance is required at the workshop to receive CE credit. Partial credit is not awarded. The CEP Office maintains responsibility for delivery of the workshop. Approval #2017002

4:15–4:30 pm
Networking Break
4:30–6 pm  
**Concurrent Sessions**  
**Grand Caribbean 11-12**  
**Preventing Pain Chronification After Amputation and Nerve Injury: Military Significance, Diagnostic Advancements, and Novel Analgesic Pathways (311)**  
More than 50% of patients suffer persistent pain after surgical amputation, and research demonstrates an association between the use of regional anesthesia and a reduction in chronic pain. This session explores diagnostic tools available to parse pain subtypes, as well as identification of molecular pathways in chronic pain that will define future therapeutic targets.  
Moderator: Thomas E. Buchheit, MD

**Nerve Injury Phenotypes and Targeted Therapies**  
Thomas E. Buchheit, MD

**Military Significance and the Use of Early Regional Anesthesia**  
Chester Buckenmaier, MD

**The Search for Novel Analgesics**  
Thomas Van de Ven, MD PhD

4:30–6 pm  
**Grand Caribbean 3-5**  
**Collaborative Health Outcomes Information Registry (CHOIR): Treatment Lessons Learned (312)**  
We now have the tools to capture the power of Big Data. CHOIR is one of the most extensive patient care registries to date, specifically for pain medicine providers and their patients. Following up on last year’s CHOIR symposium, this session discusses treatment lessons learned from the analysis of such data.  
Moderator: Ajay D. Wasan, MD MSC

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**Sunday, March 19**

7–7:45 am  
**Grand Caribbean 1-2**  
**Special Event: Pain Medicine Journal & National Institutes of Health (NIH): How to Succeed as an Academic Clinical Pain Researcher**  
CME not provided.  
Moderator: Sean Mackey, MD PhD

**The Career of a Clinician Scientist in Pain Research from the Early Stages to Senior Investigator**  
Sean Mackey, MD PhD

**National Institutes of Health (NIH) Funding Mechanisms for Early Stage Investigators**  
Yu Lin, MD PhD

**What Editors of Peer-Reviewed Journals Are Looking for in Your Manuscript**  
Rollin M. Gallagher, MD MPH; R. Norman Harden, MD

8–9:30 am  
**Concurrent Sessions**  
**Grand Caribbean 11-12**  
**Interpreting and Using Laboratory Tests for Pain Management Patients Correctly: Interactive Case Studies (401)**  
Urine drug testing commonly is incorporated into the management of pain patients. This session will discuss the advantages and limitations of these assays and use interactive case studies to directly apply this knowledge to correctly interpret patient test results.  
Moderator: Paul J. Jannetto, PhD

**Interactive Clinical Case Studies: Understanding Metabolic Profiles, Drug Impurities, and Adulterated Urine Samples in Pain Management Patients**  
Paul J. Jannetto, PhD

**Clinical Utility and Limitations of Qualitative and Quantitative Laboratory Testing for Pain Management**  
Loralie Langman, PhD

**Additional Interactive Pain Management Case Studies: Correctly Interpreting Urine Drug Test Results**  
Robin J. Hamill-Ruth, MD

8–9:30 am  
**Grand Caribbean 8-10**  
**Embracing the Porcupine of Change: A Practical Toolkit for Difficult Conversations About Opioids (402)**  
Front-line providers face conflict daily regarding opioid prescribing. Much of the information available simply describes guidelines rather than how to practically implement them or discuss them with patients who may not be open to change. This session provides key discussion tools and practical tips/scripts for challenging scenarios.  
Moderator: Meredith C. Adams, MD MS

**Roadmap for Uncomfortable Conversations About Opioids**  
Meredith C. Adams, MD MS
Navigating Perception and Managing Expectations in a Changing Prescribing Environment
Rebecca C. Anderson, PhD

Translating Opioid Guidelines and Policies to Clinical Practice
Robert W. Hurley, MD PhD

Painful Conversations Made Easier: Tips and Scripts
Jeanie Sperry, PhD

8–9:30 am
Grand Caribbean 1-2
Conundrums in Palliative Medicine: Managing Difficult Symptoms and Managing the Patient with Aberrant Opioid Behavior (403)
This session provides a practical guide to caring for patients suffering from chronic pain in the setting of aberrant opioid use disorder and complex medical illness. Management plans for difficult-to-manage symptoms related to life-threatening illnesses and pearls applicable to the practice of primary care, pain, and palliative medicine also will be presented.
Moderator: Halena Gazelka, MD
Managing Risk: Developing a Monitoring and Treatment Strategy for Patients on Opioids
Halena Gazelka, MD

Rising to the Challenge: Identifying Aberrant Opioid Use Behaviors in Patients with a Serious Illness
Mihir M. Kamdar, MD

Dyspnea, Nausea, and Constipation: Practical Pearls to Manage These Common End-of-Life Symptoms
April Zehm, MD

8–9:30 am
Grand Caribbean 3-5
Optimizing Clinical Practice: Interprofessional Perspectives on Assessing Pain More Effectively (404)
Pain intensity measures are imperfect tools we use for communicating with patients and providers as well as for reporting outcomes. Designed for the pain-interested primary care practitioner and pain specialist, this session will demonstrate innovations in pain assessment to improve patient-provider communication and outcome appraisal in clinical practice.
Moderator: Beth B. Hogans, MD PhD

9:30–9:45 am
Networking Break

9:45–10:45 am
Concurrent Sessions
Grand Caribbean 8-10
Research Update on Controversies in Pain Medicine: A Pearls Session (405)
This session reviews reports on the prevalence of addiction and iatrogenic addiction in the chronic pain population from addiction facilities and the general population. It also will review morphine equivalent daily dosage (MEDD) clinical and research implications, as well as naloxone as a mitigating strategy for opioid-induced respiratory depression.
Moderator: Kayode A. Williams, MD MBA FFARCSI

Opioid Addiction and Iatrogenic Opioid Addiction
David A. Fishbain, MD

Morphine Equivalent Daily Dosage (MEDD) and Susceptibility to Opioid-Induced Respiratory Depression (OIDR)/Naloxone Use
Jeffrey Fudin, PharmD FCCP FASHP

The Myth of Morphine Equivalent Daily Dosage (MEDD): Ethical Implications for Practice and Research
Michael E. Schatman, PhD CPE

9:45–10:45 am
Grand Caribbean 1-2
Oncologic Pain Medicine: Cancer Pain Syndromes and Treatment Paradigms (406)
This session will explore newer multidisciplinary approaches for treatments in the cancer pain population treatment paradigms for breast, thoracic, and abdominopelvic tumors, as well as management strategies to address addiction and opioid usage in this population.
Moderator: Amitabh Gulati, MD

Advances and Paradigms in Breast and Chest Wall Cancer Pain Management
Vinay Puttanniah, MD

Advances and Paradigms in Abdominopelvic and Bone Cancer Pain Management
Amitabh Gulati, MD

Cancer Pain and Addiction: When 1+1 > 2
Dhanalakshmi Koyyalagunta, MD

9:45–10:45 am
Grand Caribbean 11-12
Ketamine for Chronic Pain: Panacea or Snake Oil? (407)
This session will provide an overview on the use of ketamine in the perioperative period and for chronic refractory pain. It will include basic science data, methodological flaws in the existing studies, and a synthesis of the evidence.
Moderator: Steven P. Cohen, MD

Ketamine for Chronic Pain: Neuropathic Pain, Fibromyalgia, and Beyond
Ayaj D. Wasan, MD MSC

Ketamine in the Perioperative Period: Preventive Analgesia and Use in Opioid-Tolerant Patients
Aubrey Verdun Jr., MD

Ketamine: Miracle Drug or the Latest Fad?
Steven P. Cohen, MD
9:45–10:45 am
Grand Caribbean 3-5
Pain and the Reward Pathway: Preclinical Studies on the Impact of Pain on Opioid-Seeking Behavior (408)
This session will highlight the functional relationship between pain, opioid receptor dysregulation, and motivated and affective behavior, providing new insights into the critical neurochemical and neuroanatomical mechanisms that underlie pain-induced changes in opioid reward and comorbid affective disorders. It also will discuss novel opioid-based therapeutic strategies for the treatment of pain.
Moderator: Jose Moron-Concepcion, PhD
Pain Increases Opioid Intake and Associated Motivated Behavior
Jose Moron-Concepcion, PhD
Neuroimmune Regulation of Reward Circuitry During Chronic Pain
Catherine Cahill, PhD
Alleviating Opiate Withdrawal by Targeting Microglia
Tuan Trang, PhD

10:45–11 am
Networking Break

11 am–Noon
Concurrent Sessions
Grand Caribbean 11-12
Physician payment reform is happening. It is critical that physicians understand what impact reform will have on their practice. This session will discuss the Merit Based Incentive Payment System (MIPS) and the Medicare Access and CHIP Reauthorization Act (MACRA). Challenges will be discussed and implementable strategies and solutions will be presented.
Moderator: Jason E. Pope, MD
Defining the Acronyms Within the New Proposals: MACRA, APM, and MIPS
Jason E. Pope, MD
Navigating Quality Payment Programs: Private Practice
David A. Provenzano, MD
Navigating Quality Payment Programs: Academic Practice
Steven M. Falowski, MD

11 am–Noon
Grand Caribbean 3-5
Safe Opioid Prescribing and Risk Mitigation Practices in Pediatrics (410)
Chronic recurring pain is common in up to 20% of children and adolescents in the United States, a small subset of whom may benefit from opioid therapy. This session will focus on the appropriateness, safety, and monitoring of opioid prescribing in children, as well as opioid risk mitigation strategies in pediatrics.
Moderator: Lynne Sterni, MD
Safe Prescribing of Opioids in Children: Indications and Assessment of Efficacy
Alexandra Szabova, MD
Opioid Risk Mitigation Strategies in Pediatrics: Assessment of the Problem and Reducing Risk in Practice
Lynne Sterni, MD

11 am–Noon
Grand Caribbean 8-10
Preventing Inpatient Sentinel Events While Controlling Pain (411)
This session describes the experience of Penn State Hershey Medical Center in combating opioid-related sentinel events. The Inpatient Opioid Task Force and Stewardship Program is a joint effort of the departments of anesthesiology, nursing, and pharmacy. It is providing safe pain management to complex inpatients.
Moderator: Vitaly Gordin, MD
Safe Opioid Use in Patients: Approach to Sentinel Event Alert
Vitaly Gordin, MD
Controlling Pain While Avoiding Complications in High-Risk Hospitalized Patients
Jennifer E. Hubbell, MSN CRNP FNP-C
Opioid Stewardship Program
Tom Vissering, RPh MBA

Noon
Meeting Adjournment

Save the Date!
Mark your calendar for the AAPM 34th Annual Meeting & Preconferences, April 26–29, 2018, in Vancouver, BC, Canada!

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Faculty disclosures can be found online at www.painmed.org/2017disclosures.
Saturday, March 18

6:30–6:45 am
AAPM Provided Breakfast

6:45–7:45 am
Optimizing Acute Pain Management: Balancing Efficacy and Adverse Effects of Opioids

Grand Caribbean 7

Join an expert faculty panel to discuss the current clinical and societal issues surrounding opioid-based pain management and the latest views among your peers in the management of moderate-to-severe acute pain. Given the risks of adverse effects, such as opioid-induced nausea and vomiting, successful pain management involves adequate analgesia while minimizing these risks. This practical, real-world discussion will focus on acute pain treatment options, clinical trial data from current and emerging therapies, and best practices in patient management. The panel will highlight the latest in pathophysiology of the current and emerging treatment options as well as the adverse effects of these options, to help you better manage the impact on your patients.

Educational Objectives
- Discuss the potential risks and benefits of using opioids to manage acute pain.
- Integrate practices that promote patient-centered communication to achieve personalized, effective pain management.
- Formulate opioid treatment strategies based on outcomes data of approved and emerging acute pain agents, in concert with individual patient concerns, that will optimize treatment, minimize opioid-induced adverse effects, and improve the patient’s quality of life.

CME: Physicians

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Projects In Knowledge® designates this Live activity for a maximum of 1 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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Upon completion of this course, participants will be awarded 1 nursing contact hour(s).

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This activity is supported by an educational grant from Daiichi Sankyo, Inc.

11:45 am–12:15 pm
AAPM Provided Lunch

12:15–1:15 pm
A Framework for Successful Intrathecal Pain Management: New Insights from the 2017 Polyanalgesic Consensus Conference (PACC) Guidelines

Grand Caribbean 6

Gladstone C. McDowell II, MD; Jason E. Pope, MD

Once perceived to be an approach reserved for salvage therapy, intrathecal drug delivery (IDD) has been established as a cost-effective and efficacious pain management strategy for patients with refractory chronic pain. As the use of IDD expands, there is a need to reduce variability among health care providers in medications used, patient selection, trialing, and dosing in order to improve safety and patient outcomes. This symposium will provide expert translation of the new PACC: Recommendations on Intrathecal Drug Infusion Systems Best Practices and Guidelines to help clinicians apply patient-centric strategies to clinical decision-making in patients with refractory chronic pain.

Learning Objectives
- Translate updates and recommendations in the 2017 PACC guidelines to clinical decision-making for patients with refractory chronic pain who are candidates for intrathecal (IT) therapy.
• Apply PACC recommendations for trialing of appropriate patients who are candidates for IT therapy.
• Implement dosing and titration strategies in patients utilizing IDD to maximize results while mitigating risks.

CME:
CME Outfitters, LLC, is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
CME Outfitters, LLC, designates this live activity for a maximum of 1 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

CNE:
Provider approved by the California Board of Registered Nursing, Provider Number CEP 15510, for 1 contact hours.

CPE:
CME Outfitters, LLC, is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. 1 contact hours (0.10 CEUs) Universal Activity Number: 0376-0000-17-007-H01-P
0376-0000-17-007-L01-P
Type: knowledge-based
This activity is supported by an educational grant from Jazz Pharmaceuticals, Inc.

Non-CME Satellite Symposia

Thursday, March 16

11:30 am–Noon
AAM Provided Lunch

Noon–1 pm
How Policy, Guidelines, and the Media Challenge Patient Access to Opioid Pain Management: Shifting the Focus from Politics to Patients
Grand Carribbean 7
Michael C. Barnes, Esq; Martin C. Cheattle, PhD; Bill H. McCarberg, MD
The concept of pain management as a fundamental human right is being challenged due to the public health crisis of opioid misuse, addiction, and overdose. Media reports often blame this crisis on clinicians prescribing opioids in excess of clinical need. Although over-prescribing contributes to the problem, opioids are still under-prescribed for many legitimate patients who need these medications to function. Policymakers, however, struggle to develop balanced policies to address the opioid crisis, which also safeguard appropriate patient access. Polarization between permissive and restrictive opioid-prescribing camps in the pain community is growing. Caught in the middle are patients who need chronic opioid therapy to function. Fewer clinicians are willing to prescribe opioids chronically—quoting guidelines, flawed systematic reviews, or media stories to claim no evidence supports such use. These actions can stigmatize patients, worsen their sense of isolation, and undermine their resilience and self-esteem. It’s time to shift the focus from politics to patients.

Educational Objectives
After attending this symposium, participants should be better able to:
• Monitor the effect of opioid policies and guidelines to ensure that they do not inadvertently encourage under-treatment, marginalization, and stigmatization of the many patients with chronic pain using opioids appropriately.
• Advocate for patients to receive the treatment they need to adequately control chronic pain and improve function, which may include opioid analgesics when appropriate, as part of patient-centered care that meets their biopsychosocial needs.
• Develop communication strategies to interact with patients to help empower them to deal with their pain and improve their quality of life instead of feeling stigmatized and struggling to maintain their dignity.

This activity is funded by Pernix Therapeutics.

Friday, March 17

6:30–7 am
AAM Provided Breakfast

7–8 am
Opioid-Induced Constipation: The Science, the Struggle, and an Orally Administered Treatment Option
Grand Carribbean 7
Srinivas Nalamachu, MD; Jeffrey Gudin, MD
Please join us for a presentation on one of the most common side effects of opioids, opioid-induced constipation (OIC), its impact on the patient, and an orally administered treatment option for adult patients with chronic non-cancer pain.

This activity is funded by Daiichi Sankyo, Inc.
**Noon–12:30 pm**
AAPM Provided Lunch

**12:30–1:30 pm**
**A New Path to Pain Relief: Time for Change with a Peripherally Acting Kappa Opioid Receptor Agonist (KORA)**
*Grand Caribbean 7*

Joseph Stauffer, DO MBA; Ajay D. Wasan, MD MSc

Clinicians who treat chronic pain are being urged to consider alternatives to mu opioid analgesics due to the public health epidemics of abuse, addiction, and overdose. Unfortunately, limited pharmacologic classes of analgesics are available to treat pain, which also have side effects/safety warnings limiting their use. The science of analgesia has remained substantially unchanged in recent years and analgesics that act on novel targets have not been developed. The National Pain Strategy calls for research to discover safer opioids and non-opioid analgesics. A novel peripherally acting kappa opioid receptor agonist, CR845, is currently in Phase 3 trials for post-operative pain and Phase 2 trials for chronic pain. Because of its unique pharmacologic properties, CR845 produces analgesia with low abuse potential and little-to-no traditional mu opioid side effects (e.g., nausea/vomiting, respiratory depression). The faculty will identify the need for novel analgesics, describe the pharmacology of CR845, and present clinical trial data for CR845 in acute and chronic pain.

**Educational Objectives**
After attending this symposium, participants should be better able to:
- Recognize the clinical need for analgesics with novel mechanisms of action in the current analgesic landscape.
- Describe the unique pharmacologic properties of a new class of opioid—the peripherally acting kappa opioid receptor agonist, CR845.
- Identify the potential benefits of oral CR845 in the management of acute and chronic pain, and IV CR845 for post-operative pain.

*This activity is funded by Cara Therapeutics.*

**12:30–1:30 pm**
**Three Categories of Evidence: Introducing a Single-Agent, Abuse-Deterrent, Extended-Release Morphine**
*Grand Caribbean 6*

Jeffrey Gudin, MD

**Educational Objectives**
- Understand the various categories of evidence to support an ADF per FDA industry guidance.
- Become familiar with the standard instruments and scales used in abuse potential trials.
- Learn about the only single-agent, extended-release morphine expected to reduce abuse via multiple routes.
- Gain deep understanding of the categories of evidence supporting the abuse-deterrent properties of the product.

*This activity is funded by Daiichi Sankyo, Inc.*

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**Saturday, March 18**

**11:45 am–12:15 pm**
AAPM Provided Lunch

**12:15–1:15 pm**
**The ‘Nuts and Bolts’ of Coprescribing Naloxone and Implementing an Opioid Emergency Plan in Your Practice**
*Grand Caribbean 7*

Christopher G. Gharibo, MD; Mark A. Kallgren, MD; Gay K. Owens, PharmD

Prescription opioid-related fatalities have more than quadrupled between 1999 and 2015 in the United States, which the CDC has termed an “epidemic” and what is perceived as a major public health crisis. Prescription opioid-related fatalities have more than quadrupled between 1999 and 2015 in the United States, which the CDC has termed an “epidemic” and what is perceived as a major public health crisis. Despite the potentially life-saving nature of naloxone, clinicians may be unsure of how to evaluate patients for risk and what components should constitute an opioid emergency plan. In addition, even with this knowledge, practitioners may be uncomfortable discussing them with patients.

During this roundtable discussion, the faculty will provide guidance on how to help identify patients at risk for OIRD. We will also describe strategies on how to implement the discussion and creation of an opioid emergency plan that includes take-home naloxone for patients and family members. In addition, the faculty will offer tips on conducting conversations about these topics with patients.

**Educational Objectives**
After attending this symposium, participants should be better able to:
- Identify patients at increased risk for an opioid emergency.
- Implement recommendations in your practice that address opioid emergencies.
- Create a strategy that you can use in your practice to help initiate the discussion and creation of an opioid emergency plan that includes education and coprescribing take-home naloxone for patients and family members.

*This activity is funded by Kaléo, Inc.*

Please refer to the Commercially Supported Satellite Symposia addendum in your onsite packet or mobile app for the most current information. The content provided and opinions expressed have not involved any verification of the findings, conclusions, and opinions by the AAPM.
New for Attendees of the AAPM 33rd Annual Meeting

Distance Tracking Competition

The AAPM Movement Challenge is a distance tracking activity designed to encourage AAPM attendees to recognize the importance of exercise and movement in their own lives, and the lives of their patients.

PRIZES INCLUDE:

>Complimentary 1-Year Membership to AAPM Awarded Daily to Distance Leader!

>Overall Winner will be Awarded Complimentary Registration to the 2018 AAPM Annual Meeting in Vancouver

EASY TO PARTICIPATE

>REGISTER at the booth in the main registration area

>TRACK your distance in miles each day

>SUBMIT your distance to aapmmoves.com or via text

>WIN daily prizes & check your standing on the leaderboard
Contact Kathy Checea, Director of Professional Relations, to learn how you can support the AAPM Foundation at kchecea@painmed.org.
Why should you support the AAPM Foundation?

For our patients. And our profession.

We advocate for patient safety by providing funding support to expand and enhance education and research.

Our priorities include:

• leading comprehensive prescriber education efforts to ensure patient safety
• furthering the clinical validity of appropriate and effective treatment and care
• advancing education and research to lessen the likelihood of acute pain becoming chronic
• providing readily accessible education — for pain specialists and primary care clinicians alike
• instilling research values in the next generation of pain clinicians via early career investigator grants.

Visit aapmfoundation.org and click the “Donate” button to make a tax-deductible contribution.
This presentation group, with posters numbered 100–172, includes posters categorized by the following clinical topics: Procedures, Psychosocial, and Pharmacologic.

These posters will be on display in the Resource Center from Thursday, March 16, at 6 pm until Friday, March 17, at 11 am.

### Procedures

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Pharmacodynamic Effects from a Category 3 Oral Human Abuse Potential Study of an Abuse-Deterrent, Extended-Release Morphine Product Candidate in Nondependent, Recreational Opioid Users

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Pharmacodynamic Effects from a Category 3 Intranasal Human Abuse Potential Study of an Abuse-Deterrent, Extended-Release Morphine Product Candidate in Nondependent, Recreational Opioid Users

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This presentation group, with posters numbered 173–245, includes posters categorized by the following clinical topics: Basic Science, Epidemiology/Health Policy/Education, Rehabilitation, and Translational.

These posters will be on display in the Resource Center from Friday, March 17, at 6 pm until Saturday, March 18, at 10:15 am.

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AAPM RESOURCE CENTER

Reasons to Visit the AAPM Resource Center

- Compare relevant products and services in one convenient place.
- Stay current with new and advanced technology.
- Gain firsthand knowledge of how devices work and how they will benefit your patients and practice.
- Network with peers and colleagues in a dynamic and synergistic atmosphere.

Meeting Receptions and Breaks

Attend evening receptions in the Resource Center on Thursday and Friday evenings beginning at 6 pm. All networking breaks throughout the meeting also will take place inside the Resource Center to provide attendees ample time to connect with colleagues while learning about the latest technological and pharmacological advances in the field of pain medicine.

Scientific Posters

More than 150 posters will be on display, with posters categorized by the following clinical topics:

- basic science
- epidemiology/health policy/education
- late-breaking
- pharmacologic
- procedures
- psychosocial
- rehabilitation
- translational

Networking

Join us to network with your colleagues during the unopposed hours of educational programming. More than 1,000 clinicians who specialize in pain medicine, plus a growing number of primary care physicians from across the country, will be attending this meeting. Take advantage of the opportunity to network with your colleagues to discuss research and diagnosis, treatment, and management of acute, chronic, cancer, recurrent, and noncancer pain.

Interactive Exhibits

Visit more than 150 booths from companies and organizations showcasing products and services specially designed for leaders in the study and treatment of pain. The AAPM Resource Center is an additional benefit of educational learning. By visiting these vendors, you will learn more about advancements that will keep you and your practice at the forefront of your field. Products and information from pharmaceutical companies, medical supplies and equipment, laboratory testing, medical publications, and alternative delivery systems will be featured.

Learn about new research, products, and services from companies specializing in the field of pain medicine.

Invisible Project by the U.S. Pain Foundation

View firsthand the photography and stories of real pain survivors. Nearly 100 million Americans deal with pain. Chronic pain is an all-encompassing problem that knows no boundaries.

AAPM Showcase Schedule

Attend showcase sessions that feature products, services, or programs in the field of pain medicine. All attendees are invited to the 30- to 60-minute sessions that will be held in the AAPM Resource Center. Please refer to the onsite information or your mobile app regarding updated topics and faculty.

Thursday, March 16

6:15–7:15 pm
Lawful Prescribing and the Prevention of Diversion
Speaker: William Van Hoose, Associate Director, Law Enforcement Liaison/Education, Purdue Pharma L.P.

This session will provide the attendee with a national overview of the abuse of prescription drugs, an understanding of the Controlled Substance Act as it applies to prescription controlled substances and a description of prescription drug crimes and their victims. Actual case examples will be used throughout the program. What constitutes a lawful prescription, within the guidelines of the Code of Federal Regulations will be discussed. Methods to protect a pharmacy and medical practice from common scams also will be discussed.

Supported by Purdue Pharma L.P.

Friday, March 17

10:15–10:45 am
Postherpetic Neuralgia Treatment: Understanding the Neuropathic Disease
Speaker: Steven A. Norris, MD, PA, General Neurology, Manatee Memorial Hospital, Bradenton, FL, Sarasota Memorial Hospital, Sarasota, FL.

The purpose of this session is to provide Healthcare Providers with information on the management and treatment of postherpetic neuralgia (PHN) in adults. Key areas related to PHN: Complications of Herpes Zoster will be presented.

The presentation for this Product Theater is not designated for CME credit. This presentation is neither sponsored nor endorsed by the American Academy of Pain Medicine.

Supported by Arbor Pharmaceuticals.

6:30–7 pm
Next Generation Analgesia: The First and Only FDA Approved Long Acting Opioid Designed to Control Both Nociceptive Pain and the Neuropathic Pain Associated with Diabetic Peripheral Neuropathy
Speaker: Michelle Brown, MD

Supported by Depomed.

Visit the AAPM, AAPM Foundation, and Pain Medicine Booths

The AAPM, AAPM Foundation, and Pain Medicine booths are conveniently located just outside of the Resource Center. Stop by to learn more about the Academy, Journal, and Foundation.

The AAPM booth is your one-stop destination for the latest in practice resources, products and publications, guidance on educational offerings, and AAPM member assistance.

Visit the AAPM Foundation booth to meet representatives from the AAPM Foundation, make a contribution, and learn how donations have contributed to today’s practices and benefitted patients.

Pain Medicine offers the latest in clinical and scientific innovations every month, and is among the most highly referenced pain journals, highlighting peer-reviewed research and commentary on multidisciplinary clinical practice. Visit the Pain Medicine booth to meet journal editorial staff, stock up on the latest Pain Medicine issues, and learn how you can contribute to the journal.

Resource Center Schedule

| Thursday, March 16 | 6–7:30 pm |
| Welcome Reception with Exhibits and Posters (Group 1) |

| Friday, March 17 |
| Exhibits Open | 10–11 am, 2:45–7:30 pm |
| Break with Exhibits and Poster (Group 1) | 10–11 am |
| Break with Exhibits | 2:45–3:45 pm, 4:45–5 pm |
| Reception with Exhibits and Poster (Group 2) | 6–7:30 pm |

| Saturday, March 18 |
| Break with Exhibits and Poster (Group 2) | 9:15-10:15 am |
| Prize Drawing | 10 am |
## EXHIBITORS BY PRODUCT/SERVICES CATEGORY

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<td>AllMeds Specialty Practice Services</td>
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<td>Office Compounding Solutions</td>
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- **Billing Services**: Booth 503
- **Medical Equipment/Supplies**: Booth 315
- **Medical Devices**: Booth 428
- **Compounding Pharmacy**: Booth 118
- **Diagnostic/Imaging**: Booth 324
- **Electronic Health Records**: Booth 503
- **Laboratory Equipment & Testing**: Booth 424
- **Laboratory Testing**: Booth 229
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- **Medical Devices**: Booth 428

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**Medical Devices**

- Aspen Medical Products
- Bioness
- Boston Scientific
- Dr Fuji/ACIGI
- Electromedical Products International, Inc.
- ElectroMedic
- Feel Good, Inc
- Halcyon Health
- Magneceutical Health, LLC
- Medtronic
- Multi Radiance Medical
- Neuron Corp
- Stryker Interventional Spine
- Vertiflex

**Medical Equipment/Supplies**

- ARP Wave LLC
- Dr Fuji/ACIGI
- Electromedical Products International, Inc.
- Flowonix Medical, Inc.
- Halcyon Health
- Stryker Interventional Spine
EXHIBITORS BY PRODUCT/SERVICES CATEGORY

**Pharmaceutical**
- Adapt Pharma
- AIS Pain Care
- Arbor Pharmaceuticals, LLC
- BioDelivery Sciences International, Inc.
- Collegium Pharmaceutical, Inc.
- Daiichi Sankyo, Inc.
- Depomed
- Endo Pharmaceuticals
- Jazz Pharmaceuticals, Inc.
- Kaléo, Inc.
- Linden Care LLC
- MediNatura
- Pernix Therapeutics
- Purdue Pharma L.P.
- Salix Pharmaceuticals
- Shionogi, Inc.
- Teva Pharmaceuticals

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**Prescription Dispensing**
- AIS Pain Care
- Linden Care LLC
- Office Compounding Solutions

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**Recruitment**
- Maximus Federal Services

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**Software**
- 1st Providers Choice–Pain EMR
- Advanced Data Systems Corporation
- Compulink Business System
- Modernizing Medicine
- Pain Care Select EHR
- Raintree Systems Inc

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**Ultrasound**
- Konica Minolta Healthcare Americas, Inc.

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IMS for Pain Medicine is a user-friendly, fully certified EMR and practice management solution. Pain medicine doctors across the country have helped us to design and customize the software for maximum efficiency and profitability in your practice. Save hours of time on visit notes and documentation with pain medicine specific templates.

Booth 412
Adapt Pharma
www.adaptpharma.com
Adapt Pharma is a privately held pharmaceutical company committed to positively impacting the lives of patients. Adapt Pharma’s strategy is to identify, evaluate, selectively acquire, and enhance the value of late stage development, and FDA-approved pharmaceutical products. Adapt Pharma’s company headquarters is in Dublin, Ireland and its U.S. headquarters is in Radnor, PA. For more information, please visit www.adaptpharma.com.

Booth 503
Advanced Data Systems Corporation
www.adsc.com
Medics Suite for Pain Management: a specialty-specific set of clinical, financial, and management automation tools used by pain management practices to ensure payment for every visit, maximized efficiency/workflow, relevant reports/analytics, and for its complete Stage 2 certified EHR, also ideal for MACRA/MIPS reporting and for the CCM/TCM initiatives. And, Medics FlowText will revolutionize your transcription. Visit booth 503. See why thousands of physicians rely on ADS and our systems!

Booth 219
AIS Pain Care
www.aispaincare.com
AIS Pain Care is the industry leader in injectable medications for patients with implanted intrathecal pain pumps. Founded in 1998 and serving more than 16,000 pump patients from our state-of-the-art pharmacy and clean room at AIS headquarters in Jackson, MS, AIS is USP 797 compliant and licensed to provide medications to all 50 states. Our patient first, always approach combined with knowledgeable and experienced pharmacists with more than 400 years of experience can meet all of your intrathecal needs, 24 hours a day, 7 days a week.

Booth 112
AllMed Specialty Practice Services
www.allmeds.com
AllMed provides pain management’s most successful specialty EHR, practice management, and RCM/billing and collection services. AllMed’s specialty nature better ensures rapid implementation periods, higher adoption rates, real returns on investment, and greater rates of success. Leverage AllMed’s nearly 20 years of successful service to pain management today.

Booth 527
American Board of Pain Medicine
www.abpm.org
The mission of the American Board of Pain Medicine is to improve access to comprehensive pain care through a rigorous certification process for pain medicine physician specialists. The 2018 application window will open later this summer. Please visit our booth for more information.

Booth 224
American Chronic Pain Association
www.theacpa.org
The American Chronic Pain Association has been helping people live fuller lives in spite of their pain for 37 years. Our goal is to provide them with the tools they need, in addition to what their health care provider offers, so that they can improve their skills in the self-management of their chronic pain. We focus on helping the person with pain become an active partner on the health care team. To learn more, visit our website at www.theacpa.org.

Booth 126
The American Interventional Headache Society
www.interventionalheadache.net
AIHS works for the benefit of people suffering from intractable headache, neck, and orofacial pain that is not responding to conventional treatment. AIHS’s goal is to educate and train pain physicians, neurologists, PMR physicians, and primary care physicians to better manage patients with head, neck, and face pain through both didactic and hands-on training on different interventional treatment options.

Booth 424
Anchor Diagnostics
www.anchordiagnostics.com

Booth 322
Aprima Medical Software, Inc.
www.aprima.com
Aprima provides innovative EHR, PM, and RCM solutions for pain medicine practices. It uses a fast, flexible design that adapts automatically to a physician’s workflow and sets the benchmark for ease-of-use, speed, and flexibility, and is one of the few companies with a 19-year track record of success, including a long history of meeting each and every government certification since its inception. Based in Richardson, TX, Aprima performs all development, implementation, and support from the United States. To learn more about how Aprima can help your practice, visit www.aprima.com, e-mail us at info@aprima.com, or call us at 844.4APRIMA.

Booth 318
Arbor Pharmaceuticals, LLC.
www.arborpharma.com
Arbor Pharmaceuticals, headquartered in Atlanta, GA, is a specialty pharmaceutical company currently focused on the cardiovascular, hospital, neuroscience, and pediatric markets. The company has more than 700 employees including approximately 600 sales professionals promoting its products to physicians, hospitals, and pharmacists. Arbor currently markets more than 20 NDA- or ANDA-approved products with more than 35 more in development. For more information regarding Arbor Pharmaceuticals or any of its products, visit www.arborpharma.com or send e-mail enquiries to info@arborpharma.com.

Booth 315
ARP Wave, LLC
www.arpwave.com

Booth 428
Aspen Medical Products
www.aspenmp.com
Aspen Medical Products is a leader in the development of innovative spinal bracing for post-trauma stabilization, pre- and post-surgical stabilization, pain management, and long-term patient care. Aspen Medical Products offers multiple orthotic options that provide unsurpassed motion restriction, superior comfort, and an economic advantage, encouraging better patient compliance.

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www.bdsi.com
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Bioness
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Bioness is the leading provider of innovative technologies helping people regain mobility and independence. Bioness solutions include external and implantable functional electrical stimulation (FES) systems, robotic systems, and software-based therapy programs providing functional and therapeutic benefits for individuals affected by pain, central nervous system disorders, and orthopedic injuries.

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Boston Scientific
www.controlyourpain.com
Investing in innovative products, clinical initiatives, and world-class service, Boston Scientific is committed to leading the way in spinal cord stimulation by providing better pain relief to a broad range of patients.

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Collegium Pharmaceutical, Inc.
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Daiichi Sankyo, Inc. (DSI), headquartered in Parsippany, NJ, is the U.S. subsidiary of Daiichi Sankyo Co., Ltd., a global pharmaceutical company. The company is focused on the development of cardiovascular and oncology therapies and concentrates in the therapy areas of hypertension, thrombosis, dyslipidemia, diabetes, and acute coronary syndrome.

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www.expoeventgroup.com

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www.halyardhealth.com
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Booth 324 Konica Minolta Healthcare Americas, Inc. www.konicaminolta.com/medicalusa Making more accurate diagnoses earlier in the care path has real clinical and economic benefits. Now Konica Minolta is making that possible with the SONIMAGE® HS1 Compact Ultrasound System. The HS1 System delivers image quality that is categorically sharper and a probe that goes deeper, all in a surprisingly small device that’s exceptionally easy to use. That allows you to make diagnoses that you simply couldn’t before and provide treatment more confidently at the point of care.

Booth 327 LabCorp-Medtox www.labcorp.com

Booth 110 Linden Care LLC www.lindencare.com Linden Care, headquartered in Woodbury, NY, is a leading provider of specialty pharmacy services to the pain management industry. The company is licensed in 50 states and the District of Columbia and services the needs of patients and physicians in the highly regulated pain industry. Linden Care works closely with leading pain pharmaceutical manufacturers and pain management physicians to deliver medications that provide a solid foundation of patient safety and better patient outcomes.

Booth 312 Magneceutical Health, LLC www.magneceutical.com

Booth 128 Maximus Federal Services www.maximus.com

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Booth 228 Modernizing Medicine www.modmed.com

Booth 120 Multi Radiance Medical www.multiradiance.com Multi Radiance manufactures FDA-cleared super pulsed laser devices for non-invasive drug-free pain relief: the answer for chronic pain with the new opioid restrictions. MR4 lasers are used by professional and college teams, PTs, MDs, and DOs for managing injuries and maximizing recovery, and are the only therapeutic lasers validated in-vitro, in-vivo, in laboratory trials, and in clinical trials. Console models for the clinic and cordless models for anywhere, including homecare patient rentals.

Booth 98 NANS www.neuromodulation.org

Booth 308 Nevro Corp www.nevro.com

Booth 528 Nova Labs www.novalabs.com

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Booth 114
Pain Medicine News
Pain Medicine News (PMN), the best-read pain publication in the United States according to Kantar Media, is mailed 10 times annually to 47,475 pain-treating physicians. This newspaper offers extensive coverage of pain-related presentations at major clinical meetings and feature articles on topics relevant to practicing clinicians. PMN also presents in-depth clinical and educational reviews written by thought leaders, as well as cutting-edge practice management articles.

Booth 209
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www.pernixtx.com
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Booths 401 & 508
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www.salix.com
For more than 20 years, Salix Pharmaceuticals, a wholly owned subsidiary of Valeant Pharmaceuticals International, Inc., has been committed to providing solutions for the management of many chronic and debilitating conditions. Salix currently markets products to U.S. healthcare providers in the areas of gastroenterology, hepatology, internal medicine, primary care, infectious disease, and allergy/immunology.
better and, together with our customers, we are driven to make healthcare more accessible, effective, and patient-centered. Stryker is one of the world’s leading medical technology companies, with a focus in pain care. We believe there is a gap in the continuum of care between long-term pain management and traditional surgery. Our mission is to improve the standard of care with new solutions that put patient safety and comfort first. We are relentlessly focused on providing the most advances, least invasive treatments for lumbar stenosis.

Shionogi Inc. is the U.S. subsidiary of Shionogi & Co. Ltd., a pharmaceutical company with headquarters in Osaka, Japan. For over 135 years, Shionogi has been dedicated to developing medicines that protect the health and well-being of patients worldwide. Addressing unmet medical needs and improving quality of life for patients and their families is what drives our company, our philosophy, and our teams.

Vertiflex is committed to delivering clinically proven treatments for lumbar stenosis that are minimally invasive in order to help people take back their lives. We believe there is a gap in the continuum of care between long-term pain management and traditional surgery. Our mission is to improve the standard of care with new solutions that put patient safety and comfort first. We are relentlessly focused on providing the most advances, least invasive treatments for lumbar stenosis.

Teva Pharmaceuticals is a leading global pharmaceutical company with a focus in pain care. With a diverse portfolio and pipeline of products, we are committed to supporting responsible pain care that meets the needs of people living with pain as well as healthcare professionals.
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Preconference Sessions: April 25–26, 2018
Exhibits: April 26–27, 2018

For Additional Information

@ www.painmed.org  847.375.4731  info@painmed.org
A Framework for Successful Intrathecal Pain Management
New Insights from the 2017 Polyanalgesic Consensus Conference (PACC) Guidelines

March 18 - Loews Sapphire Falls Resort, Orlando, FL - Grand Caribbean Ballroom 6

**LEARNING OBJECTIVES**

- Translate updates and recommendations in the 2017 PACC guidelines to clinical decision-making for patients with refractory chronic pain who are candidates for intrathecal (IT) therapy.
- Apply PACC recommendations for trialing of appropriate patients who are candidates for IT therapy.
- Implement dosing and titration strategies in patients utilizing IDD to maximize results while mitigating risks.

*The following learning objectives pertain only to those requesting CNE credit:*

- Explain updates and recommendations in the 2017 PACC guidelines to clinical decision-making for patients with refractory chronic pain who are candidates for intrathecal (IT) therapy.
- Identify PACC recommendations for trialing of appropriate patients who are candidates for IT therapy.
- Describe dosing and titration strategies in patients utilizing IDD to maximize results while mitigating risks.

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THREE CATEGORIES OF EVIDENCE:
Introducing a Single-Agent, Abuse-Deterrent, Extended-Release Morphine

Friday, March 17, 2017 • 12:30 PM – 1:30 PM

LEARNING OBJECTIVES

• Understand the various categories of evidence to support an ADF per FDA industry guidance
• Become familiar with the standard instruments and scales used in abuse potential trials
• Learn about the only single-agent, extended-release morphine expected to reduce abuse via multiple routes
• Gain deep understanding of the categories of evidence supporting the abuse-deterrent properties of the product

FACULTY

Jeffrey Gudin, MD
Director, Pain Management and Wellness Center
Englewood Hospital and Medical Center
Englewood, New Jersey

LOCATION

Grand Caribbean Ballroom 6
Lobby/Grand Caribbean Level
Loews Sapphire Falls Resort
Orlando, Florida

AAPM will provide lunch for all attendees from noon to 12:30 PM

An official independent commercially supported satellite symposium held in conjunction with the American Academy of Pain Medicine’s 33rd Annual Meeting and Pre-meeting activities.

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