AAPM 35th Annual Meeting & Preconferences
State-of-the-Art Advancements in Pain Medicine
Colorado Convention Center | Denver, CO

Preconference Sessions: March 6–7, 2019 | Annual Meeting: March 7–10, 2019
Exhibits: March 7–9, 2019
About the Meeting

A Message from AAPM’s President

It is my pleasure as president of the American Academy of Pain Medicine (AAPM) to invite you to attend the AAPM 35th Annual Meeting & Preconferences, March 6–10, 2019, in Denver, CO.

More than 100 million American adults suffer from chronic pain, making pain more prevalent than heart disease, cancer, and diabetes combined. Addressing this public health problem of pain while also facing our nation’s opioid crisis continues to be a primary challenge, responsibility, and—ultimately—opportunity for the field of pain medicine. The 2019 AAPM Annual Meeting features state-of-the-art advancements in pain medicine and is a must-attend event for clinicians and their team members treating patients in pain. It has been designed to advance clinical practice that is mechanism-guided, evidence-based, and personalized in nature.

The 2019 AAPM Program Committee—chaired by Steven Cohen, MD, and Patrick Tighe, MD—has designed an enlightening educational program. Exciting features of this year’s meeting include

• keynote speeches by some of the most well-known star speakers on best practices of pain medicine, new insights and discoveries from the latest research, and emerging innovative solutions to address the dual crises of chronic pain and the opioid epidemic
• multiple tracks on the full spectrum of pain management modalities including nonpharmacological, pharmacological, interventional, and surgical approaches
• informative pro-con debates on controversial topics by influential leaders in pain medicine
• problem-based learning discussions moderated by renowned experts on topical, provocative, and underserved areas of pain medicine
• programs specifically designed for physicians in training, taught by outstanding pain fellowship program directors
• premier education focusing on best practices to treat patients with acute, chronic, and end-of-life pain through an integrated multidisciplinary approach.

All meeting activities will take place at the Denver Colorado Convention Center, in downtown Denver, with mountain views and in walking distance of local attractions. Learn more about visiting Denver and hotel amenities on page 6.

Be sure to register and book your hotel room early, and visit annualmeeting.painmed.org for the latest information about the meeting.

I look forward to seeing you in Denver this March.

Sincerely,
Jianguo Cheng, MD PhD
President, American Academy of Pain Medicine

Important Dates

January 9, 2019
Early-bird registration deadline. Save $100 when you register on or before this deadline.

February 1, 2019
Housing reservation deadline. Secure your space at the host resort by booking early!* Book rooms online at annualmeeting.painmed.org or by calling 303.436.1234.

March 1, 2019
Advance registration deadline. Save time and money by registering for the meeting in advance online or over the phone. After the advance registration deadline, only in-person, onsite registration is available and rates increase.
AAPM nonmembers, March 1 also is your last chance to capitalize on join-and-register pricing.

*AAPM recommends that attendees reserve their hotel rooms as early as possible. Space is limited and provided on a first-come, first-served basis. After the February 1, 2019 cutoff date—or once the AAPM room block has been filled—other rates may apply and availability is not guaranteed.
Who Should Attend
Clinicians treating patients in pain are invited to join leading experts in pain medicine at AAPM35. The program has been designed by a multidisciplinary, multimodal committee of experts at the forefront of pain medicine practice. It is geared toward a primary audience of physicians whose scope of practice is targeted at the multidisciplinary practice of pain medicine and nonphysician healthcare clinicians including nurses, nurse practitioners, physician assistants, physical therapists, psychologists, and pharmacists who are part of the multidisciplinary pain management team.

Objectives and Desired Outcomes
After attending the meeting, participants should be better able to

- describe the recent advancements in research, clinical best practices, patient management, practice management, and the diagnosis and treatment of patients in pain
- assess, treat, and improve outcomes for patients suffering from multiple types of pain through the use of evidence-based, integrative/multidisciplinary pain management strategies and patient-centered treatment plans
- improve patient safety and decrease the rate of opioid- and pain analgesic-related adverse events.

Continuing Medical Education Information

Accreditation Statements
The American Academy of Pain Medicine (AAPM) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians.

- **35th Annual Meeting:** AAPM designates this live activity for a maximum of 15.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- **Pain Medicine Best Practices: Integrative Solutions for Critical Challenges Preconference:** AAPM designates this live activity for a maximum of 7 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- **Opioid and Non-Opioid Medications Management: Filling the Gaps, Prescribing for the Whole Patient Preconference:** AAPM designates this live activity for a maximum of 6 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

- **Ultrasound-Guided Acute and Chronic Pain Medicine Interventions Preconference:** AAPM designates this live activity for a maximum of 6 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

American Academy of Physician Assistants (AAPA)
The National Commission on Certification of Physician Assistants (NCCPA) accepts AMA PRA Category 1 Credits™ from organizations accredited by ACCME or a recognized state medical society.

American Psychological Association (APA)
This activity will be submitted to the APA for approval to award contact hours. If awarded, APA credit will only be offered for the AAPM 35th Annual Meeting.

Nursing Credits
This activity will be submitted to the American Association of Neuroscience Nurses (AANN) for approval to award contact hours. AANN is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation. Nursing credit only will be offered for the AAPM 35th Annual Meeting if awarded.

MOCA 2.0® Credits
Participants in the AAPM 35th Annual Meeting, Pain Medicine Best Practices: Integrative Solutions for Critical Challenges Preconference, Opioid and Non-Opioid Medications Management: Filling the Gaps, Prescribing for the Whole Patient Preconference and/or Ultrasound-Guided Acute and Chronic Pain Medicine Interventions Preconference will receive MOCA 2.0® credit after evaluations have been submitted online. AAPM will report participant completion data to the American Board of Anesthesiology via the ACCME’s Program and Activity Reporting System (PARS) on behalf of the participant in a timely manner. Maintenance of Certification in Anesthesiology Program® and MOCA 2.0® are registered trademarks of the American Board of Anesthesiology®. This activity contributes to the CME component of the American Board of Anesthesiology’s redesigned Maintenance of Certification in Anesthesiology™ (MOCA®) program, known as MOCA 2.0®. Please consult the ABA website, www.theABA.org, for a list of all MOCA 2.0 requirements.

MOC Part II Lifelong Learning
Participants in the AAPM 35th Annual Meeting, Pain Medicine Best Practices: Integrative Solutions for Critical Challenges Preconference, Opioid and Non-Opioid Medications Management: Filling the Gaps, Prescribing for the Whole Patient Preconference and/or Ultrasound-Guided Acute and Chronic Pain Medicine Interventions Preconference will receive ABPMR MOC Part II Lifelong Learning CME credit after evaluations have been submitted online. Participants will need to report these CME credits directly into their ABPMR MOC Homepage.

Note: Attendees cannot receive credit for simultaneous sessions.
About the Meeting

Networking Activities
The AAPM Annual Meeting is the must-attend meeting of the year because it brings together a multidisciplinary group of pain medicine clinicians. Time for attendees to network and interact has been built into the AAPM35 program. The following are highlights of the meeting.

AAPM35 Receptions
Socialize and network with colleagues, view scientific poster abstracts featuring the latest pain research, and learn about the newest technologies and products to improve your practice and patient care during evening receptions in the Resource Center. Special receptions for pain medicine program directors, fellows, residents, students, and women practicing pain medicine also will be held during the meeting.

Meet the Faculty
Head to the Resource Center at designated times for the opportunity to have your questions answered by expert faculty members and engage in discussion with fellow meeting attendees.

AAPM Shared Interest Groups (SIGs)
Connect with a niche community of practitioners who share common interests during AAPM SIG meetings. The following AAPM SIGs are expected to meet in Denver:
- Acute Pain Medicine
- APRNs/PAs in Pain Medicine
- Federal Medicine
- Headache and Orofacial Pain Medicine
- Interdisciplinary Pain Medicine
- Pain Psychology
- Primary Care
- Resident Fellow Education
- Women in Pain Medicine

Problem-Based Learning Discussions
Enjoy time away from the convention center exploring the Denver dining scene while engaging in active discussion about a special topic or case. An expert discussion leader will facilitate small group peer-to-peer conversation about common challenges pain medicine practitioners face.

AAPM Town Hall
It’s an extraordinary time as the specialty of pain medicine undergoes dynamic changes and endures continuing challenges. The AAPM Town Hall will offer an opportunity to discuss the changing landscape of pain medicine with fellow pain practitioners and stakeholders.

Resource Center
The AAPM Resource Center is the home base for AAPM35 networking events. At the Resource Center, you can
- enjoy complimentary beverages and network with colleagues during meeting breaks
- continue your education by viewing more than 170 poster presentations
- visit the AAPM booth to learn about membership, education products, and the Pain Medicine journal
- meet more than 100 exhibitors and compare relevant products and services that will benefit your practice and patients
- stop by the presentation center to attend short programming that demonstrate multimodal methods of pain management
- relax and recharge in the AAPM Lounge.

Want to exhibit or know a company that should be exhibiting? Go to annualmeeting.painmed.org or e-mail info@painmed.org.

Americans with Disabilities Act
AAPM works 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 auxiliary aids or services 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 at least 4 weeks in advance of the program.

Disclaimer
AAPM Annual Meeting & Preconference schedules and faculty are subject to change and cancellation. If AAPM must cancel a meeting, registrants will receive a full credit or refund, minus a processing fee of $100. AAPM is not liable for any other loss, cost, or expense, however caused, incurred, or arising from cancellation.
Registration
Register online at annualmeeting.painmed.org or call 847.375.4731 to register over the phone. Register by January 9, 2019, to take advantage of early-bird pricing. Advance registration is available until March 1, 2019; after this date you must register onsite at the annual meeting at an increased rate.

Join-and-Register*
AAPM members receive reduced registration rates. Members consistently rank the annual meeting as one of the most important membership benefits. Not a member? Join today to take advantage of special join-and-register rates and become part of the premier association for pain medicine.* The deadline to secure reduced join-and-register pricing is March 1, 2019.

In addition to a reduced meeting registration rate, AAPM members enjoy the following benefits:
• a subscription to Pain Medicine, AAPM’s monthly peer-reviewed indexed journal
• reduced member pricing on on-demand education products
• a subscription to AAPM e-News, AAPM’s biweekly e-newsletter with the most current information on pain medicine
• access to an online library of pain medicine resources, position statements, and coding information.

*Individuals who are affiliated with a pharmaceutical company; device manufacturer; medical, healthcare education, or communications company; screening lab; or other AAPM sponsor or exhibitor are not eligible for join-and-register rates. Industry attendees must register at the industry rate regardless of membership status.

### AAPM 35th Annual Meeting

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<th>By 1/9</th>
<th>After 1/9</th>
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<tbody>
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### Pain Management Best Practices Preconference

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### Medications Management Preconference

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### Ultrasound-Guided Acute and Chronic Pain Medicine Interventions Preconference

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<td>Nonmember</td>
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<tr>
<td>AAPM Student, Resident, or Fellow Member</td>
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Preorder AAPM35 On-Demand Courses and Continue Your Education Online
AAPM35 includes several stand-alone pre- and postconference courses as well as more than 50 educational sessions highlighting state-of-the-art advancements in pain medicine. With so much education taking place over 5 days, it’s impossible to view each presentation live throughout the course of the annual meeting. AAPM35 On Demand allows you to view presentations you weren’t able to attend live in Denver or refer back to content of interest with a full library of course and session voiceover PowerPoint videos—all from the comfort of your home or office.

The following AAPM35 education will be recorded and made available as on-demand courses following the meeting:
• AAPM35 On Demand
• Pain Medicine Best Practices Preconference On Demand
• Medications Management Preconference On Demand

Learn more at annualmeeting.painmed.org and save by preordering on-demand courses when you register for the annual meeting.

*CME is not available for the 2019 AAPM Annual Meeting & Preconference on-demand courses. Prices will increase at the conclusion of the live annual meeting event. The on-demand courses will be available in the AAPM Education Center within 6 weeks of the annual meeting. Specific presentations with a session may not be available or may be audio only if the presenter has confidential patient information or otherwise declines to be recorded.
Travel Details

Explore Denver
Set at the foothills of the Rocky Mountains, AAPM’s 2019 meeting destination, Denver, is the perfect place to take in premier education content and enjoy your colleagues’ company. The city hosts 300 days a year of sunshine, a thriving craft beer scene, world class museums, and quick and easy access to incredible nature with parks throughout the city as well as state and national parks nearby. Learn more and start planning your time in Denver at denver.org.

Meeting Venue
AAPM35 events will take place at the Colorado Convention Center, situated in downtown Denver and within walking distance from some of the city’s top attractions. AAPM has secured a limited number of sleeping rooms at the Hyatt Regency Denver, which is adjacent to the convention center.

Colorado Convention Center
700 14th Street
Denver, CO 80202

Hyatt Regency Denver
650 15th Street
Denver, CO 80202

A block of rooms will be held at the Hyatt Regency Denver until February 1, 2019, at a special group rate of $199/night (single or double occupancy). This special rate will apply until the cutoff date, or when AAPM’s room block has been filled, after that time, availability will be limited and higher rates may apply.

Book your room online at annualmeeting.painmed.org or by calling 303.436.1234.

Getting to Denver
The Colorado Convention Center and Hyatt Regency Denver are located approximately 26 miles from the Denver International Airport (DEN). Visit the Denver International Airport website for additional information and airport transportation options at flydenver.com.
Identify Sessions of Interest with Special Topic Tracks

Five special topic tracks will run throughout the AAPM35 Annual Meeting.

**Procedural and Surgical Interventions Track**
Sessions included will feature newer interventional approaches and include pro/con debates that address various treatments and implantable devices, such as stem cell therapy, radiofrequency, spinal cord stimulation, sacral nerve stimulation, neuromodulation, and other surgical and nonsurgical treatments of various pain conditions including back pain, complex regional pain syndrome, headache, leg pain, neuropathic pain, spinal pain, and pelvic pain.

**Pain Treatment for Special Populations Track**
Sessions included will focus on providing pain care to various special patient populations including the cancer, athlete, obese, adolescent, elderly, and military/veteran patient, among others. Sessions in this track also will address clinicians coping with burnout.

**Research: New & Translational Track**
Sessions included will highlight new techniques and methodologies used to treat patients and report and analyze treatment outcomes.

**Behavioral Medicine/Pain Psychology Track**
Sessions included will highlight the critical role pain psychology plays in successfully treating the pain patient from a multidisciplinary, team-based approach.

**Headache Track**
Sessions included will focus on the interdisciplinary and interventional treatment of headaches and facial pain.

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### WEDNESDAY, MARCH 6 | PRECONFERENCE SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8 am–Noon</td>
<td><strong>FEE</strong> Pain Medicine Best Practices: Integrative Solutions for Critical Challenges—Part 1 of 2 (PME)</td>
</tr>
<tr>
<td>Noon–12:30 pm</td>
<td>Potential AAPM-Provided Lunch</td>
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<tr>
<td>12:30–1:30 pm</td>
<td>Potential Satellite Symposium</td>
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<tr>
<td>1:30–4:30 pm</td>
<td><strong>FEE</strong> Pain Medicine Best Practices: Integrative Solutions for Critical Challenges—Part 2 of 2 (PME)</td>
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### THURSDAY, MARCH 7 | PRECONFERENCE SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8 am–Noon</td>
<td><strong>FEE</strong> Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient—Part 1 of 2 (001)</td>
</tr>
<tr>
<td>Noon–12:30 pm</td>
<td>Potential AAPM-Provided Lunch</td>
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<tr>
<td>12:30–1:30 pm</td>
<td>Potential Satellite Symposium</td>
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<tr>
<td>1:30–3:30 pm</td>
<td><strong>FEE</strong> Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient—Part 2 of 2 (001)</td>
</tr>
<tr>
<td>1:30–4:30 pm</td>
<td><strong>FEE</strong> Ultrasound-Guided Acute and Chronic Pain Medicine Interventions—Part 2 of 2 (002)</td>
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### THURSDAY, MARCH 7 | ANNUAL MEETING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>3:30–5:30 pm</td>
<td>Opening Session and Award Presentation (101)</td>
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<tr>
<td>5:45–7:15 pm</td>
<td>AAPM35 Welcome Reception</td>
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<td>Exhibits &amp; Posters</td>
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### FRIDAY, MARCH 8 | ANNUAL MEETING SESSIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>6:30–7 am</td>
<td>Potential AAPM-Provided Breakfast</td>
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<tr>
<td>7–8 am</td>
<td>Potential Satellite Symposium</td>
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<tr>
<td>8:15–9:15 am</td>
<td>General Session I and Award Presentations (102)</td>
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<td>President’s Opening Remarks</td>
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<td>Keynote: Medical Cannabis Pro/Con Debate</td>
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<tr>
<td>9:15–10 am</td>
<td>General Session II and Award Presentations (103)</td>
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<td>Pardon the Interruption: Rapid-Fire Neuromodulation—Interventions</td>
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<tr>
<td>10–11 am</td>
<td>NETWORKING BREAK</td>
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<td>Exhibits &amp; Posters</td>
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<td>Meet the Faculty: 10:15–10:45 am</td>
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Learn more and register at annualmeeting.painmed.org.
## FRIDAY, MARCH 8 | ANNUAL MEETING SESSIONS (continued)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11 am–Noon</td>
<td><strong>CONCURRENT SESSIONS</strong></td>
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<tr>
<td></td>
<td>Oncologic Treatment Related Pain: Updates and Paradigms for Management of Cancer Treatment–Related Pain (201) SP</td>
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<tr>
<td></td>
<td>Controversial Topics in Neuromodulation (202)</td>
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<td></td>
<td>The &quot;Newish&quot; Skill of Measuring Pain Care in Routine Clinical Practice and Outcomes So Far (203) R</td>
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<td>The Pain Clinician’s Diagnostic Armamentarium: Demystifying Appropriate Utilization and Limitations (204)</td>
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<tr>
<td>Noon–12:30 pm</td>
<td>AAPM-Provided Lunch</td>
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<tr>
<td>12:30–1:30 pm</td>
<td>Satellite Symposium</td>
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<td>1:45–2:45 pm</td>
<td><strong>CONCURRENT SESSIONS</strong></td>
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<td></td>
<td>Addressing Barriers to Effective Pain Care Faced by a Special Population: Clinician, Psychology, and Economic Perspectives (205) SP</td>
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<td>Indications and Outcomes of Surgical Treatment of Back Pain: Getting the Right Patient to the Right Provider(s) (206) I</td>
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<td>I Got Them All: Pathophysiology and Treatment of Overlapping Pain Conditions (207) R</td>
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<tr>
<td></td>
<td>Updates in Pain Medicine Ultrasonography: Evidence-Base, Safety, and Emerging Applications (208)</td>
</tr>
<tr>
<td>2:45–3:45 pm</td>
<td>NETWORKING BREAK</td>
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<td>Exhibits &amp; Posters</td>
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<td>Meet the Faculty: 3–3:30 pm</td>
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<td>3:45–4:45 pm</td>
<td><strong>CONCURRENT SESSIONS</strong></td>
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<tr>
<td></td>
<td>Pain Management in Competition Athletes: Neurophysiological, Biomechanical, and Psychosocial Considerations (209) SP</td>
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<td></td>
<td>Peripheral Nerve Stimulation: A New Paradigm for Treatment of Neuropathic Pain (210) I</td>
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<td></td>
<td>Pain Education—Innovative Solutions (212)</td>
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<td>4:45–5 pm</td>
<td>NETWORKING BREAK</td>
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<tr>
<td>5–6 pm</td>
<td><strong>CONCURRENT SESSIONS</strong></td>
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<td></td>
<td>Obesity and Chronic Pain (213) SP</td>
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<td>The Use of Anesthetic Blocks to Select Patients for Joint Denervation: An Update on the Best Evidence (214) I</td>
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<tr>
<td></td>
<td>Cutting Edge Science and Clinical Practice: Buprenorphine/Naloxone for Pain and Opioid Use Disorder (215) R</td>
</tr>
<tr>
<td>6–7:30 pm</td>
<td>AAPM35 Reception</td>
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<td>Exhibits &amp; Posters</td>
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## SATURDAY, MARCH 9 | ANNUAL MEETING SESSIONS

<table>
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<th>Time</th>
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<tbody>
<tr>
<td>6:30–6:45 am</td>
<td>Potential AAPM-Provided Breakfast</td>
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<tr>
<td>6:45–7:45 am</td>
<td>Potential Satellite Symposium</td>
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<tr>
<td>8–9 am</td>
<td>General Session III and Award Presentations (104) I</td>
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<td>Radiofrequency Plenary Session</td>
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<tr>
<td>9–9:15 am</td>
<td>NETWORKING BREAK</td>
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<td>9:15–10:15 am</td>
<td><strong>CONCURRENT SESSIONS</strong></td>
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<td>Pediatric and Adolescent Pain (301) SP</td>
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<td>Pain Debate! Complex Regional Pain Syndrome, Radiofrequency Ablation for Back Pain, and Sacral Stimulation (302) I</td>
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<td>Patient-Centered Prescription Opioid Tapering: Recipes for Success Across Practice Settings (303)</td>
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<tr>
<td></td>
<td>Poster Research Highlights Session 2 of 2 (304) R</td>
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<td>10:15–11:15 am</td>
<td>NETWORKING BREAK</td>
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<td>Exhibits &amp; Posters</td>
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<td>Meet the Faculty: 10:30–11 am</td>
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<td>11:15 am–12:15 pm</td>
<td><strong>CONCURRENT SESSIONS</strong></td>
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<td>Pain in the Elderly: Chronic Pain, Delirium, and Dementia (305) SP</td>
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<td>Pain Debate! CGRP Drugs, Ketamine, and Opioids for Back Pain (306) I</td>
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<td>Chronic Pain Patient-Physician Scenarios Which Can Lead to Violence (307) B</td>
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<td>Special Event: Getting Your Research Funded (308)</td>
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<tr>
<td>12:15–12:45 pm</td>
<td>AAPM-Provided Lunch</td>
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<tr>
<td>12:45–1:45 pm</td>
<td>Satellite Symposium</td>
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</table>
## Schedule-at-a-Glance

### 2-3 pm

**CONCURRENT SESSIONS**

- Pain Management in Service Members and Veterans (309)
- Pain Debate! Stem Cell Therapy, Cooled Radiofrequency Ablation for Legs, and Stimulation for Back Pain (310)
- Just the Facts, Ma’am: A Broad Overview of Evidence-Based Pain Psychology Treatments (311)
- It Takes a Village to Raze a Headache: Interdisciplinary Management of Primary Headaches (312)

### 3-3:30 pm

**NETWORKING BREAK**

### 3:30-4:30 pm

**CONCURRENT SESSIONS**

- Burnout in Pain Clinicians—Keys to Remaining a State-of-the-Art Practitioner (313)
- Multidisciplinary Care Leading to Contemporary Strategies for Intrathecal Drug Delivery (314)
- Speed Dating: Brief Pain Psychology Interventions That Work (315)
- Headache for the Pain Practitioner (316)

### 4:30-4:45 pm

**NETWORKING BREAK**

### 4:45-5:45 pm

**CONCURRENT SESSIONS**

- Pain Medicine in the Crosshairs: Government Enforcement Priorities in the Pain Space (317)
- Regenerative Medicine and Pain (318)
- The Pain Psychology Imperative: Increasing Access, Improving Care (319)
- Facial Pain Syndromes: A Practical Approach to Orofacial, Dental, Cranial Neuralgia, and Atypical Facial Pain Syndromes (320)

### 6-7 pm

- AAPP Town Hall

### 7:30-9 pm

**Problem-Based Learning Discussions**

### SUNDAY, MARCH 10 | ANNUAL MEETING SESSIONS

#### 7-8:30 am

- Pain Medicine Trainees Session

#### 8:30-9:30 am

**CONCURRENT SESSIONS**

- Practical Manual Medicine Techniques to Use in the Office for Cervicogenic Headache and Sacroiliac Pain (401)
- Interventional Spine Procedures: Adverse Events, Long-Term Complications, and Management of Anticoagulation Medications (402)
- The Power of Groups: How, Why, When and Where to Start a Pain Psychology Group (403)
- How to Get Published in Peer-Reviewed Journals (404)

#### 9:30-9:45 am

- Networking Break

#### 9:45-10:45 am

**CONCURRENT SESSIONS**

- Managing Complex Chronic Pelvic Pain: An Interdisciplinary Approach (405)
- New Safety Considerations for Interventional Pain: Anticoagulation Management, Early Adverse Events, Long-Term Complications (406)
- Neuropathic Pain: Beyond Adjuvants and Opioids—A Look at New and Reemerging Treatments (407)
- Mobile-Assisted Treatment: Health-Tech Innovations to Enhance Pain Care and Addiction Treatment (408)

#### 10:45-11 am

- Networking Break

#### 11 am-Noon

**CONCURRENT SESSIONS**

- Lumbar Medial Branch Radiofrequency Neurotomy: How Understanding Anatomy, Patient Selection, and Technique Affect Outcomes (410)
- Neuropathic Pain Pharmacologic Management: Maximizing Success with Available Agents and Emerging Therapies (411)

#### Noon

- Meeting Adjournment

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### Support a Fellows Scholarship

AAPM provides future leaders in the pain medicine field the opportunity to engage with current thought leaders and researchers through the AAPM Pain Medicine Fellows Scholarship. The scholarship program is offered annually to fellows currently enrolled in an accredited ACGME or AOA Pain Medicine Fellowship Program.

Scholarships cover registration to attend the AAPM Annual Meeting, a 1-year AAPM membership, and a monetary award to be used to offset travel and lodging expenses.

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| Learn more and register at annualmeeting.painmed.org |
Make the most of your time in Denver by participating in AAPM35 preconference sessions. Preconference program and faculty details are available at annualmeeting.painmed.org.

### Wednesday, March 6

<table>
<thead>
<tr>
<th>8 am–4:30 pm</th>
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| **Pain Medicine Best Practices: Integrative Solutions for Critical Challenges (PME)**  
**Co-Chairs:** Farshad M. Ahadian, MD, and Gagan Mahajan, MD  
This program addresses the most critical challenges facing pain medicine in meeting the needs of and improving outcomes for a growing population of patients suffering from chronic pain. Timely and practical information will be delivered through didactic lectures, case studies with audience participation, and interactive small group discussions. Together, faculty and attendees will explore current evidence, best practices, and emerging therapies in order to develop practical and integrative solutions.  
Session topics include the following:  
• Not Your Parents’ Stimulator: Making Sense of SCS Algorithms  
• SCS for Low Back Pain and Spinal Stenosis  
• SCS for Limb Pain: CRPS, Neuropathies, and Phantom Limb  
• Peripheral Nerve Stimulation  
• Maximizing Success with Neurostimulation: Pre-Op Psych Screen  
• Knee Pain: Diagnostic Challenge  
• Knee Pain: Intra-Articular Steroids vs. Viscosupplement vs. Radiofrequency Ablation vs. Surgery  
• Mental Health Disorder and Effect on Short- and Long-Term Pain Management  
• Regenerative Medicine: Spine Pain and Musculoskeletal Pain  
Small group interactive breakouts will feature the following:  
• Care of the Complex Patient  
• Headache Evaluation and Management: Medical and Interventional Approaches  
• Sacroiliac Joint, Hip Joint, and Shoulder Joint—Evaluation, PE, and Treatment Options |

### Thursday, March 7

<table>
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| **Opioid and Non-Opioid Medications Management: Filling in the Gaps, Prescribing for the Whole Patient (001)**  
**Co-Chairs:** W. Michael Hooten, MD, and 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.  
Session topics include the following:  
• Opioid Pharmacology  
• Buprenorphine and Ketamine: Atypical Analgesics?  
• Monitoring Long-Term Opioid Therapy: Risk Mitigation and CDC Guideline Integration  
• Opioid Tapering and Case Presentation  
• Anticonvulsants for Neuropathic Pain  
• Analgesic Antidepressants for Chronic Pain  
• Arachnoiditis and Aberrant Drug-Related Behavior: Management and Treatment Options  
Rapid-fire pharmacotherapy reviews will cover the following:  
• NSAIDs and Muscle Relaxants for Chronic Pain  
• Topical Analgesics for Acute and Chronic Pain  
• Anticoagulant Management in Pain Medicine  
• Pharmacologic Management of Migraine Headache  
• Pharmacologic Management of Pain-Related Sleep Disruption |

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<th>8 am–3:30 pm</th>
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| **Ultrasound-Guided Acute and Chronic Pain Medicine Interventions**  
**Co-Chairs:** Jennifer Hah, MD MS, and Dmitri Souza, MD PhD  
The field of pain medicine ultrasonography is evolving with new applications for acute and chronic pain that can be rapidly applied to clinical practice. This program provides an overview of the advantages and limitations of ultrasound guidance in the practice of pain medicine and provides hands-on applications for the ultrasound (US) novice.  
Attendees will practice real-time techniques while rotating through live model, hands-on stations covering the following treatments:  
• Head and Neck: Including third occipital nerve, cervical medial branch, cervical facet joint, TMJ, cervical selective nerve root block,stellate ganglion, occipital nerve, V2/V3, and US guidance for nerve ablation  
• Lumbar Spine, Sacrum, Pelvis: Including lumbar facet joint injection, lumbar medial branch, SI joint, SI joint denervation (posterior sacral network), caudal epidural, piriformis, iliopsoas bursa, IL/IH nerve, genitofemoral nerve, pudendal nerve, lateral femoral cutaneous nerve, and US guidance for nerve ablation  
• Upper Extremity Musculoskeletal and Nerve: Including AC joint, glenohumeral joint, subacromial/subdeltoid bursa, biceps tendon, suprascapular nerve, cubital tunnel, carpal tunnel, US guidance for nerve ablation, and brachial plexus blocks  
• Lower Extremity: Including hip joint, knee joint, trochanteric bursa, saphenous nerve, common peroneal nerve at the fibular head, superficial peroneal nerve, deep peroneal nerve, tibial nerve, sural nerve, and US guidance for nerve ablation  
• US Guidance for Peripheral Nerve Stimulation  
• US Guidance for Regenerative Medicine |
Thursday, March 7, 2019

3:30–5:30 pm
Opening Session and Award Presentation: Basic Science Night (101)
Sensory Disturbances in CRPS: The Robert G. Addison, MD, Award Presentation
Lone Knudsen

The Neurobiology of Placebo Analgesia: How Expectation Modulates Pain
Howard Fields, MD PhD

5:45–7:15 pm
AAPM35 Welcome Reception

Friday, March 8, 2019

8:15 am–9:15 am
General Session I and Award Presentations (102)
President’s Opening Remarks
Jianguo Cheng, MD PhD

Keynote: Medical Cannabis Pro/Con Debate (non-CME)
Moderator: Patrick Tighe, MD
Pro: Mark S. Ware, MD
Con: David J. Casarett, MD MA

9:15–10 am
General Session II and Award Presentations (103)
Pardon the Interruption: Rapid-Fire Neuromodulation—Interventions
Moderator: Robert W. Hurley, MD PhD
Panelists: Timothy R. Deer, MD; Salim M. Hayek, MD PhD; Michael S. Leong, MD

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

11 am–Noon
Concurrent Sessions
Oncologic Treatment–Related Pain: Updates and Paradigms for Management of Cancer Treatment–Related Pain (201)
Advanced Treatment Options for Post-Surgical Pain in the Oncologic Population
Vinay Puttanniah, MD (Moderator)
Advanced Treatment Options for Post-Surgical Pain in the Oncologic Population
Thomas Van de Ven, MD PhD
Treatment Paradigms for Chemotherapy and Immunotherapy–Related Pain
Amitabh Gulati, MD

Controversial Topics in Neuromodulation (202)
Can We Predict Success with Spinal Cord Stimulation?
Sanjog Sharad Pangarkar, MD (Moderator)
Can We Predict Success with Spinal Cord Stimulation?
Ameet S. Nagpal, MD MEd MS
Not All Waveforms Are Equal: Comparing and Contrasting Different Methods of Stimulation
Faculty TBD

The “Newish” Skill of Measuring Pain Care in Routine Clinical Practice and Outcomes So Far (203)
Overcoming the Challenges to Deploying an Electronic Patient-Reported Outcomes Tracking System
Ajay D. Wasan, MD MSc (Moderator)
Overcoming the Challenges to Deploying an Electronic Patient-Reported Outcomes Tracking System
Robert W. Hurley, MD PhD
Advances In Medical Informatics and Cutting-Edge Data Analysis of Registry Data
Sean Mackey, MD

The Pain Clinician’s Diagnostic Armamentarium: Demystifying Appropriate Utilization and Limitations (204)
Neuropathic Pain Diagnostic Modalities
James C. Watson, MD (Moderator)
Spine Imaging: When MRI Is Not Enough
Felix E. Diehn, MD

Noon–1:45 pm
Networking & Lunch Break

1:45–2:45 pm
Concurrent Sessions
Addressing Barriers to Effective Pain Care Faced By a Special Population: Clinician, Psychology, and Economic Perspectives (205)
Unrecognized and Undervalued Barriers to Effective Treatment of Chronic Pain: Public Health and Economic Perspectives for Special Populations
Belinda Udeh

Medical and Interventional Spine: The Barriers to Effective Treatment of Chronic Pain in Special Populations from a Spine Specialist’s Perspective
Marzena Buzanowska, MD

Adaptation of a Functional Restoration Program for a Special Population: A Focus on Hispanic Patients with Barriers to Effective Care
Sarah Rispinto, PhD (Moderator)

Indications and Outcomes of Surgical Treatment of Back Pain: Getting the Right Patient to the Right Provider(s) (206)
Treating Back Pain Is a Team Sport
Judith Scheman, PhD (Moderator)
AAPM35 Program | Friday

To Cut or Not to Cut: That is the Question
Edward Benzel, MD

Who to Needle, Block, Pump, or Stimulate: The Right Patient for the Right Intervention
Manu Mathews

I Got Them All: Pathophysiology and Treatment of Overlapping Pain Conditions (207)
Molecular Pathophysiology of Overlapping Pain Conditions: The Lesson From UK Biobank
Luda Diatchenko, MD PhD (Moderator)
The Art and the Science of Integrative Health Approach to Management of Comorbid Pain Conditions
Michael Schatman, PhD

Multiple Pain Conditions in Quebec Pain Registry: Their Impact on Treatment Outcomes
Gabrielle Pagé, PhD

Updates in Pain Medicine Ultrasonography: Evidence Base, Safety, and Emerging Applications (208)
State of the Evidence Base: Ultrasound Guidance in Pain Procedures
Jennifer Hah, MD MS (Moderator)
Diagnostic Ultrasonography in Pain Medicine, Incidental Findings, and Point-of-Care Assessment
Amitabh Gulati, MD

Innovations in Ultrasound Therapeutics and Emerging Applications
Einar Ottestad, MD

2:45–3:45 pm
Networking Break
Visit exhibits and scientific posters and attend Meet the Faculty events at 3–3:30 pm in the Resource Center!

3:45–4:45 pm
Concurrent Sessions
Pain Management in Competition Athletes: Neurophysiological, Biomechanical, and Psychosocial Considerations (209)
Moderator and Presenter: Brian Hainline, MD
Peripheral Nerve Stimulation: A New Paradigm for Treatment of Neuropathic Pain (210)
Peripheral Nerve Stimulation Patient Selection and Nerve Targets
Scott Pritzlaff, MD (Moderator)
Peripheral Nerve Stimulation: History and Basic Principles
Amitabh Gulati, MD

Lessons from the Experienced Implanter: PNS Pitfalls and Pearls
Einar Ottestad, MD

Risk Factors, Management, and Preventative Strategies
May L. Chin, MD (Moderator)

Epidemiology and Pathophysiology
David Clark, MD PhD

3:45–4:45 pm
Pain Education—Innovative Solutions (212)
Online, Advanced Pain Education for All Clinicians
Steven Richeimer, MD (Moderator)

Primary Care Pain Fellowships
Scott M. Fishman, MD

Project ECHO for Pain Education
Joanna G. Katzman, MD

4:45–5 pm
Networking Break

5–6 pm
Concurrent Sessions
Obesity and Chronic Pain (213)
Treatment of Chronic Pain in Obese Individuals: Challenges and Solutions
Dmitri Souza, MD PhD (Moderator)
The Aching Fat: Obesity and Chronic Pain
Samer N. Narouze, MD PhD

The Use of Anesthetic Blocks to Select Patients for Joint Denervation: An Update on the Best Evidence (214)
Genicular Nerve Blocks: Developments Toward a More Accurate Protocol
Zachary McCormick (Moderator)

Medial Branch Nerve Blocks: Evidence-Based Best Practices
Steven P. Cohen, MD

Lateral Branch Nerve Blocks: The Foundational Science and Elements Yet to Be Defined
Byron Schneider, MD

Cutting Edge Science and Clinical Practice: Buprenorphine/Naloxone for Pain and Opioid Use Disorder (215)
Opioid Use Disorder Cascade of Care and Adoption of Evidence-Based Practices
Kristen Huntley, PhD (Moderator)
The Role of Buprenorphine When Benefit No Longer Outweighs Harm of Long-Term Opioid Therapy for Chronic Pain
William Becker, MD

Acute and Perioperative Pain Management in Patients Taking Buprenorphine
Andrew A. Herring, MD

Poster Research Highlights—Session 1 of 2 (216)
Moderators: Robert Bolash, MD, and Susan M. Moeschler, MD

6–7:30 pm
AAPM35 Reception
Saturday, March 9, 2019

8–9 am
General Session III and Award Presentations (104)
Radiofrequency Plenary Session
Stephen P. Cohen, MD

9–9:15 am
Networking Break

9:15–10:15 am
Concurrent Sessions

Pediatric and Adolescent Pain (301)
Details coming soon!

Pain Debate! Complex Regional Pain Syndrome, Radiofrequency Ablation for Back Pain, and Sacral Stimulation (302)
Moderator: Steven P. Cohen, MD

Complex Regional Pain Syndrome
Vivianne Tawfik (Pro); Jason Pope (Con)

Lumbar Spondylosis The MINT Study—Radiofrequency Ablation Is NOT Effective
Ajay B. Antony, MD (Pro); Steven P. Cohen, MD (Con)

Sacral Nerve Stimulation Is Better than Conservative Care for Pelvic Pain
Kirin V. Patel, MD (Pro); Jennifer Hah, MD MS (Con)

Patient-Centered Prescription Opioid Tapering: Recipes for Success Across Practice Settings (303)
Threading the Needle: Psychological Strategies to Achieve the Goals of Opioid Deprescribing and Patient-Centered Pain Care
Beth Darnall, PhD (Moderator)

Opioid Tapering in the VA Healthcare System: Resources, Pitfalls, and Best Practices
Aram Mardian, MD

Boots on the Ground for the Private Practice Prescriber: Patient-Centered Opioid Tapering
Richard L. Stieg, MD

9:15–10:15 am
Poster Research Highlights—Session 2 of 2 (304)
Moderators: Robert Bolash, MD, and Susan M. Moeschler, MD

10:15–11:15 am
Networking Break
Visit exhibits, see scientific posters, and attend Meet the Faculty events at 10:30–11 am in the Resource Center!

11:15 am–12:15 pm
Special Session
Getting Your Research Funded (308)
Non-CME session

12:15–2 pm
Networking & Lunch Break

2–3 pm
Concurrent Sessions

Pain Management in Service Members and Veterans (309)
Interventional Treatment of Back Pain in Service Members & Veterans
Steven P. Cohen, MD

VA Collaborative Stepped Care Model for Pain
Rollin M. Gallagher, MD MPH

DoD Pain Patient Reported Outcomes Measures
Chester C. Buckenmaier III, MD COL (Ret.) MC USA (Moderator)

Pain Debate! Stem Cell Therapy, Cooled Radiofrequency Ablation for Legs, and Stimulation for Back Pain (310)
Moderator: Michael S. Leong, MD

Stem Cell Therapy Should Be Used Prior to Other Injections for Joint and Spinal Pain
Corey W. Hunter, MD (Pro); James Khan, MD MSc (Con)

Cooling Radiofrequency Ablation Is the Best Treatment for Hip and Knee Arthritis
Faculty TBA

Low Back Pain: Spinal Cord Stimulation Is Better than Percutaneous or Peripheral Therapies
Michael S. Leong, MD (Pro); Mehul Desai, MD MPH (Con)

Just the Facts, Ma’am: A Broad Overview of Evidence-Based Pain Psychology Treatments (311)
Where the Past Meets the Future: Pain Psychology in a Changing World
Judith Scheman, PhD (Moderator)

Just the Facts, Ma’am: A Broad Overview of Evidence-Based Pain Psychology Treatments
Alison M. Vargovich, PhD

Learn more and register at annualmeeting.painmed.org.
AAPM35 Program | Saturday–Sunday

It Takes a Village to Raze a Headache: Interdisciplinary Management of Primary Headaches (312)
Psychological Approaches to Headache Management
Ravi Prasad, PhD (Moderator)
Medical Approaches to Headache Management
Robert P. Cowan, MD

3–3:30 pm
Networking Break

3:30–4:30 pm
Concurrent Sessions

Burnout in Pain Clinicians—Keys to Remaining a State-of-the-Art Practitioner (313)
Burnout in Healthcare Professionals—A Looming Crisis, Especially in Pain Care? What Can We Do About It?
Larry C. Driver, MD (Moderator)
Burnout in Pain Medicine Clinicians: What Do We Know?
Faculty TBA

Multidisciplinary Care Leading to Contemporary Strategies for Intrathecal Drug Delivery (314)
Multidisciplinary Care with Oral Analgesics Can Lead to Intrathecal Therapy: Selected Adverse Effects and Efficacy
Michael S. Leong, MD (Moderator)

Intrathecal Drug Delivery: Is Bolus Administration Better than Continuous?
Jason E. Pope, MD

Cost Effectiveness of Targeted Drug Delivery
Robert Bolash, MD

Speed Dating: Brief Pain Psychology Interventions That Work (315)
Where the Past Meets the Future: Pain Psychology in a Changing World
Judith Scheman, PhD (Moderator)

Speed Dating: Brief Pain Psychology Interventions That Work
Jennifer Murphy, PhD

Headache for the Pain Practitioner (316)
Chronic Migraine: I Have Tried Everything I Know How to Do, Now What?
Meredith J. Barad, MD (Moderator)

Is There a Role for Nerve Blocks in Headache?
Nathaniel Marc. Schuster, MD
Cervicogenic Headache: Diagnosis and Treatment
Narayan R. Kissoon, MD

4:30–4:45 pm
Networking Break

4:45–5:45 pm
Concurrent Sessions

Pain Medicine in the Crosshairs: Government Enforcement Priorities in the Pain Space (317)
Moderator & Presenter: Scott Grubman, JD

Regenerative Medicine and Pain (318)
How Mesenchymal Stem Cells (MSCs) Control Pain and their Use Clinically
Arnold Caplan, PhD

Regenerative Medicine
TBA

The Pain Psychology Imperative: Increasing Access, Improving Care (319)
Physician Perspectives on the Role and Value of Pain Psychology
W. Michael Hooten, MD

Psychologist Perspectives on the Role and Value of Pain Psychology
Jennifer Murphy, PhD

The Ethical Imperative to Train More Pain Psychologists
Michael Schatman, PhD (Moderator)

Facial Pain Syndromes: A Practical Approach to Orofacial, Dental, Cranial Neuralgia, and Atypical Facial Pain Syndromes (320)
Cranial Neuralgias and Atypical Facial Pain
James C. Watson, MD (Moderator)

Oromaxillofacial and Dental Pain Syndromes
Kevin I. Reid, DDS

Multimodal Facial Pain Treatments
Alexander Feoktistov, MD

6–7 pm
AAPM Town Hall

7:30–9 pm
Problem-Based Learning Discussions
Special Ticketed Event

Sunday, March 10, 2019

7–8:30 am
Special Event
Pain Medicine Trainees Session
A new AAPM Annual Meeting program designed to provide practical early career information to pain medicine physicians in training.

8:30–9:30 am
Concurrent Sessions

Manual Medicine Techniques for Headache Management (401)
Muscle Energy in the Cervical Spine
James W. Atchison, DO (Moderator)
Muscle Energy in the Cervical Spine
Arthur Kalman, DO
Counterstrain Techniques in the Cervicothoracic Region
Ben Marshall, DO
Interventional Spine Procedures: Adverse Events, Long-Term Complications, and Management of Anticoagulation Medications (402)
Managing Anticoagulation Medications During Spine Procedures
Byron Schneider, MD (Moderator)

Immediate and Delayed Adverse Events of Epidural Steroid Injections
David J. Kennedy, MD

Long-Term Outcomes of Lumbar Intervertebral Discography
Zachary McCormick, MD

The Power of Groups: How, Why, When, and Where to Start a Pain Psychology Group (403)
Where the Past Meets the Future: Pain Psychology in a Changing World
Judith Scheman, PhD (Moderator)

The Power of Groups
Sara Davin, PhD

8:30–9:30 am
How to Get Published in Peer-Reviewed Journals (404)
Non-CME session

9:30–9:45 am
Networking Break

9:45–10:45 am
Concurrent Sessions
Managing Complex Chronic Pelvic Pain: An Interdisciplinary Approach (405)
New Insights into Neurological Disorders Associated with Complex Pelvic Pain: Impact on Assessment and Treatment
Charles E. Argoff, MD (Moderator)

How Can Neuromodulation Be Effectively Incorporated into the Treatment of the Person with Complex Chronic Pelvic Pain
Julie Pilitis, MD PhD

Complex Chronic Pelvic Pain: Principles of Assessment and Treatment
Elise De, MD PhD

New Safety Considerations for Interventional Pain: Anticoagulation Management, Early Adverse Events, and Long-Term Complications (406)
The Risks and Benefits of Ceasing Versus Maintaining Anticoagulation Medications During Interventional Pain Procedures
Byron Schneider, MD

Immediate and Early Adverse Events of Epidural Steroid Injections: What Does the Most Rigorous Evidence Teach Us?
David J. Kennedy, MD

What Are the Long-Term Risks of Lumbar Provocation Discography? Emergence of New Data
Zachary McCormick, MD (Moderator)

Neuropathic Pain: Beyond Adjuvants and Opioids—A Look at New and Reemerging Treatments (407)
The Role of Low-Dose Naltrexone for the Treatment of Neuropathic Pain Syndromes
Neel D. Mehta, MD (Moderator)

Buprenorphine in Neuropathic Pain Treatment
James C. Watson, MD

Cancer Neuropathic Pain: What’s New?
Amitabh Gulati, MD

Mobile-Assisted Treatment: Health-Tech Innovations to Enhance Pain Care and Addiction Treatment (408)
Taming the Two-Headed Monster: Managing the Patient with Dual Diagnoses of Chronic Pain and Substance Use Disorder
Vitaly Gordin, MD (Moderator)

Connecting the Disconnected: Online Support Networks for Addiction Recovery
Thomas Simpatico, MD

Enhancing Hub and Spoke Medication-Assisted Treatment with Mobile Applications and Biosensors
Eric Dentler

10:45–11 am
Networking Break

11am–Noon
Concurrent Sessions
Lumbar Medial Branch Radiofrequency Neurotomy: How Understanding Anatomy, Patient Selection, and Technique Affect Outcomes (410)
Lumbar Medial Branch Blocks to Accurately Diagnose Lumbar Zygaphophyseal Joint Pain: False Positives, Disease Prevalence, and Diagnostic Confidence
Byron Schneider, MD

Anatomy of the Lumbar Medial Branch Block and How This Relates to Ideal Procedural Technique
Zachary McCormick, MD (Moderator)

Evidence-Based Review of Lumbar Medial Branch Radiofrequency Neurotomy Outcome
David J. Kennedy, MD

Neuropathic Pain: Beyond Adjuvants and Opioids—A Look at New and Reemerging Treatments (411)
Mitigating Neuropathic Pain Pharmacologic Failures
James C. Watson, MD (Moderator)

Emerging Therapies in the Treatment of Neuropathic Pain
Charles E. Argoff, MD

Noon
Meeting Adjournment
35th Annual Meeting & Preconferences
Colorado Convention Center | Denver, CO

Annual Meeting: March 6–10, 2019
Register now for the must-attend pain medicine meeting of the year at annualmeeting.painmed.org.

Register by January 9, 2019, for early-bird registration discounts.