MedStar National Rehabilitation Hospital has been at the forefront of Rehabilitation Medicine for the past 30 years. Our mission of Adding Life to Years® has not only propelled the growth of our hospital, it has also allowed us to take on some of the nation’s most complex cases. Driven by our use of the latest technology, our research partnership with Georgetown University School of Medicine, and our nationally recognized Education and Residency program, MedStar National Rehabilitation Hospital continues to strive at providing industry leading inpatient care.

MedStarNRH.org
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Download the #AAPMR2019 Mobile App to:

✓ Customize your daily schedule
✓ Review course handouts
✓ Browse speaker information
✓ View an attendee list
✓ Explore all the research e-posters
✓ Find exhibitors that match your clinical interests
✓ Access maps

Visit www.aapmr.org/app to find download instructions.

Thank You to Our Mobile App Sponsor!

SPaulding
REHABILITATION NETWORK
WELCOME TO SAN ANTONIO FOR AAPM&R’S ANNUAL ASSEMBLY!

Thank you for joining us at physiatry’s premier annual meeting! I’m thrilled you are here during this important time where we can reconnect with each other, refresh our perspectives, and discover new technologies, learnings, and innovations to implement in our practices.

I look forward to this meeting each year, but our 2019 meeting is even more exciting. Our member volunteers have continued to innovate and elevate our Assembly experience to make this a memorable time for all of us. On Thursday, the new Community Day is a great opportunity to meet others who share your similar clinical and practice interests. The state-of-the-art PM&R Pavilion has expanded to not only include the hands-on Learning Center but also the new Research Hub, where you can listen to the latest research updates and explore e-posters. We also have the new PhyzTalks Brunch—if you’re staying until Sunday, don’t miss these exciting presentations from 7 of your fellow peers while enjoying breakfast.

Each session and event that you attend here focuses on the education, discussions, and resources you need to be successful now and into the future. From participating in PM&R BOLD Learning Collaboratives, attending our new advanced sessions, to sharing your thoughts in our Town Hall, you’re helping Unite PM&R Through Evidence & Best Practices.

While on-site, I encourage you to be open to fresh ideas, make new connections, and discover innovative resources. We cannot innovate physiatry without your BOLD engagement and perspective! And of course, make sure to celebrate your colleagues during Physiatry Day on Friday—stop by the Member Solution Center to participate in exciting activities!

This is your time to engage with your peers to advance the specialty and help realize our vision. I wish you an outstanding Annual Assembly experience. Enjoy the meeting and have fun!

Thank You to the AAPM&R Program Planning Committee

Rachel A. Brakke Holman, MD, FAAPMR

Matthew D. Adamkin, MD, FAAPMR
Justin H. Burton, MD, FAAPMR
David S. Cheng, MD, FAAPMR
Peter A. Dawson, MD, FAAPMR
Mehul J. Desai, MD, MPH, FAAPMR
David R. Gater, Jr., MD, PhD, MS, FAAPMR
David J. Haustein, MD, FAAPMR
Sandra L. Hearn, MD, FAAPMR
Thomas Hudgins, MD, FAAPMR
Sarah K. Hwang, MD, FAAPMR
Shawn P. Jorgensen, MD, FAAPMR
Corinne M. Layne Stuart, DO, FAAPMR
Diane Mortimer, MD, FAAPMR
Lisa U. Pascual, MD, FAAPMR
Vishwa S. Raj, MD, FAAPMR
Kevin R. Vincent, MD, PhD, FAAPMR

Whether you have 1 hour to spend with us or a few hours each week, we have the right opportunity to match your interests and skills. “Raise your hand” to volunteer—located near the Member Solution Center on the Meeting Room Level.

Your 2019 AAPM&R Membership Committee

More than 600 members volunteer with the Academy each year to advance our vision for the future of the specialty. By giving back, you receive valuable networking opportunities with peers, gain unique insight into the Academy community, and stay current with specialty-related advancements. Plus, you get to flex your clinical and practice skills!

Interesting in volunteering? Join the Volunteer Resource Forum on PhyzForum, which is your new destination for the resources you need to engage with AAPM&R through volunteerism. Be the first to learn about opportunities to share your expertise, network with colleagues, and enhance your CV. AAPM&R offers many ways for you to get involved with a wide variety of time commitments.

Volunteers are the fuel that power the Academy. With every new volunteer, AAPM&R becomes more energized, more diverse and inclusive, and better equipped to reach our common goals.

Get started today by exploring all the Academy’s volunteer opportunities at www.aapmr.org/volunteer.

WHO DO WE APPRECIATE?

OUR VOLUNTEERS!
Join us for a special Rehabilitation cocktail reception

2019 Quest For Quality Prize
American Hospital Association winner of the
UNITING PM&R THROUGH EVIDENCE
& BEST PRACTICES

The Vault | 314 E. Commerce St.
San Antonio, TX 78205
Thursday, November 14
7:30 to 9:30pm

CARF accredited in 12 programs, including the world’s first CARF-accredited cancer rehabilitation program

Academic medical center with a Physical Medicine & Rehabilitation (PM&R) Residency Program, Brain Injury Fellowship Program and one of the largest PM&R/clinical research faculties in the Southeast

Leading clinical trials, involving investigator-initiated and industry-sponsored research

Full continuum of care for all rehab sub-specialties

General Disclaimer

By virtue of participation, meeting registrants grant to the American Academy of Physical Medicine and Rehabilitation (AAPM&R), its representatives, and employees the right to take photographs and record video of them in connection with the 2019 AAPM&R Annual Assembly. It is agreed that AAPM&R may use such photographs and video of registrants with or without the registrant’s name and for any lawful purpose, including (for example) such purposes as publicity, illustration, advertising, and web content.

Anti-Harassment Policy

If you experience conduct at an Academy event that you believe is inconsistent with the Academy’s behavioral expectations, please contact the Academy’s Director of Human Resources at (847) 737-6068. If you are concerned for your safety or the safety of another person or are the victim of a crime, contact the local police.

AAPM&R is committed to fostering an environment that is welcoming and free from all forms of discrimination and harassment based on race, color, creed, religion, national origin, sex, sexual orientation, disability, age, marital status, status regarding public assistance, veteran or military status or any other legally-protected status. To read the entire AAPM&R Anti-Harassment policy, please visit www.aapmr.org.

Resources for Families

The Annual Assembly is welcoming to attendees and their families. Registration for guests ages 21+ is $85 and children ages 3-20 years is $20 per child, which includes entry to the Job and Fellowship Fair, Welcome Reception, PM&R Pavilion, and Sunday brunch featuring PhyzTalks. Registration does not include complimentary lunch in the PM&R Pavilion. Children must be accompanied by a registered adult attendee and wear their badge for admittance. Children ages 3 and under are free to attend, and registration is not required.

Infant and Child Policy for the Meeting

To provide an optimal learning environment for all attendees, infants and children are not permitted in the educational sessions. Exceptions will be made for nursing mothers. Children must be accompanied by a registered adult and wear their badge for admittance to the PM&R Pavilion.

Mother’s Room

The convention center has a dedicated space for nursing mothers located next to Room 215 on the Meeting Level. It is equipped with lockable doors, comfortable furniture, and access to power outlets. A restroom is located nearby.

Antitrust Compliance Notice

AAPM&R and its members are committed to full compliance with all laws and regulations, and to maintaining the highest ethical standards in the way we do business. This commitment includes strict compliance with federal and state antitrust laws. Visit www.aapmr.org for details regarding the Academy policy and how to follow them.

ADA Statement

AAPM&R conferences are ADA-compliant. We strive to take the appropriate steps required to ensure that no individual with a disability is excluded, denied services, segregated or otherwise treated differently. Individuals requiring special assistance must contact AAPM&R for further information. All requests for special accommodations under ADA must be made allowing enough time for evaluation and appropriate action by AAPM&R.

Cell Phones, Cameras, and Recorders in Educational Sessions

AAPM&R requests that all cell phones and pagers be turned off during sessions as a courtesy to other attendees. The use of cameras and personal recording devices is not permitted. Unauthorized distribution of Annual Assembly meeting content is strictly prohibited.

Seating

Open seating sessions are filled on a first-come, first-served basis. AAPM&R does its best to match room size with anticipated demand; however, interest in a topic occasionally exceeds seating capacity. Seating limits are strictly enforced by the convention center fire marshal. We encourage you to arrive at meeting rooms as early as possible for best seating.
Dear fellow participants of the AAPM&R 2019 Annual Assembly,

Your continued support and thoughtful suggestions have helped our Annual Assembly be the model of accessibility for national and international medical meetings. Our Academy is grateful to all the members who have made this possible.

The Henry B. González Convention Center will house this year’s Annual Assembly events in the ADA-compliant indoor area. The convention center is located in the heart of San Antonio’s tourism district surrounded by historic art and culture. The closest hotel to the Annual Assembly’s space at the convention center is the Grand Hyatt San Antonio, our headquarters hotel. View the maps on the next page.

At the convention center, the doors on the second floor as well as the door to the Park View Terrace are heavy. We have requested that the convention center management team release the tension on these doors.

A few of the balcony doors in the Grand Hyatt are heavy and difficult to push. To solve this issue, we’ve asked the hotel management to also release the tension on these doors. The public restrooms at the Grand Hyatt have accessible entrances for participants using wheelchairs and scooters.

The sidewalks around the convention center and the Grand Hyatt are accessible with curb cuts and good width to allow those using mobility devices to travel comfortably with their able-bodied colleagues. The President’s Reception is taking place at the Cowboys Dancehall, which is also ADA-compliant. There are accessible buses to take participants from the convention center to the Cowboys Dancehall.

The restrooms at this venue also have accessible entrances for participants using wheelchairs and scooters. In addition, the bars and tables are at appropriate heights for those using mobility devices. We hope that all attendees will enjoy their time on the dance floor as well as their opportunity to meet an actual Texas longhorn!

In preparation for the 2019 Annual Assembly, our Academy worked with a consultant, Juan Garcia, to tour and assess the convention center, Grand Hyatt San Antonio, and Cowboys Dancehall to ensure that Academy-sponsored events will be accessible to all participants. This assessment was documented in a detailed site survey and made available in the Accessibility Information section of the Annual Assembly website. I am confident that the site evaluation and remediation process has been given the necessary attention.

We understand that despite all the preparations, there may still be unanticipated issues pertaining to accessibility. We again ask for your support and feedback to help us ensure our future Annual Assemblies remain a model for accessibility.

Come enjoy the sights of the River Walk and “Show me your shoes!”

Kind regards,

Sam S. H. Wu, MD, MA, MPH, MBA, FAAPMR
Past AAPM&R Board of Governors Member

Please Share Your Feedback!

While you’re here, stop by the registration desk with your questions about accessibility. Our goal is to ensure that everyone can navigate the Assembly with ease, so please stop over—we would love to hear from you.
What’s Happening at the Grand Hyatt?
- State Society Meetings
- Alumni Receptions
- PM&R BOLD Learning Collaboratives

GENERAL INFORMATION

GRAND HYATT SAN ANTONIO—2ND FLOOR

HENRY B. GONZÁLEZ CONVENTION CENTER

Meeting Level—2nd Floor
- Member Solution Center
- The Oasis
- Speaker Ready Room

Ballroom Level—3rd Floor
- Plenary Sessions

River Level—R
- Plenary Sessions

What’s Happening at the Grand Hyatt?
- State Society Meetings
- Alumni Receptions
- PM&R BOLD Learning Collaboratives

Job and Fellowship Fair
PM&R Pavilion
Research Hub—enter through Exhibit Hall 4AB
Registration
Main Entrance

Street Level—1st Floor
- Job and Fellowship Fair
- PM&R Pavilion

2,317 seats

MEMORIAL INFORMATION
SCHEDULE-AT-A-GLANCE

TUESDAY, NOVEMBER 12
8 am-5 pm  PRECONFERENCE COURSES
Step One: Ultrasound Clinical Applications of the Extremities

WEDNESDAY, NOVEMBER 13
8 am-5 pm  PRECONFERENCE COURSES
2 pm-5:30 pm  SKILLS LABS
6:30 pm-9 pm  JOB AND FELLOWSHIP FAIR

THURSDAY, NOVEMBER 14
8 am-11 am  COMMUNITY DAY SESSIONS
11:15 am-12:30 pm  PLENARY KEYNOTE
12:30 pm-2 pm  LUNCH IN THE PM&R PAVILION/LUNCH AND LEARNS
2 pm-3:15 pm  CONCURRENT SESSIONS
3:45 pm-5 pm  SKILLS LABS
5 pm-7 pm  WELCOME RECEPTION IN THE PM&R PAVILION

FRIDAY, NOVEMBER 15
8 am-9:15 am  CONCURRENT SESSIONS
10 am-11:15 am  SKILLS LABS
11:30 am-12:30 pm  PLENARY KEYNOTE
12:30 pm-2 pm  LUNCH IN THE PM&R PAVILION/LUNCH AND LEARNS
2 pm-3:15 pm  CONCURRENT SESSIONS
3:45 pm-5 pm  SKILLS LABS
7 pm-10 pm  PRESIDENT’S RECEPTION AT COWBOYS DANCEHALL

SATURDAY, NOVEMBER 16
8 am-9:15 am  CONCURRENT SESSIONS
10 am-11:15 am  SKILLS LABS
11:15 am-12:45 pm  LUNCH IN THE PM&R PAVILION/LUNCH AND LEARNS
11:30 am-12:30 pm  AAPMR BUSINESS MEETING
12:45 pm-1:45 pm  PLENARY KEYNOTE
2 pm-3:15 pm  CONCURRENT SESSIONS
3:30 pm-4:45 pm  CONCURRENT SESSIONS
Evening  ALUMNI RECEPTIONS

SUNDAY, NOVEMBER 17
8 am-10 am  BRUNCH AND CLOSING GENERAL SESSION FEATURING PHYZTALKS

A Continuum of Care That Maximizes Recovery

For almost 40 years, you’ve come to know Baylor Scott & White Institute for Rehabilitation as the first choice for traumatic brain injury (TBI), spinal cord injury (SCI), stroke, orthopedic and neuro rehabilitation.

As the only rehabilitation hospital in North and Central Texas to be recognized by U.S. News & World Report as “High Performing,” Baylor Scott & White Institute for Rehabilitation offers patients a continuum of care that maximizes their recovery.

Learn more about our different levels of care at BSWRehab.com/Continuum

*Subject to change

Photography may include models or actors and may not represent actual patients. Physicians provide clinical services as members of the medical staff at Baylor Scott & White and are neither employees nor agents of Baylor Scott & White. Baylor Scott & White is a registered mark of Baylor Health Care System, L.P. All other trademarks are the property of their respective owners. Baylor Scott & White is an equal opportunity employer. For more information, please visit bswhealth.com. ª2018 Baylor Scott & White Health.
UNITING PM&R THROUGH EVIDENCE & BEST PRACTICES

THE #AAPMR2019 AGENDA

TUESDAY, NOVEMBER 12

8 am–5 pm
Step One: Ultrasound Clinical Applications of the Extremities
ROOM 205, MEETING LEVEL

WEDNESDAY, NOVEMBER 13

8 am–5 pm
Step One: Ultrasound Clinical Applications of the Extremities
ROOM 205, MEETING LEVEL
Expert Medical Legal Work in Physiatric Practice
ROOM 216, MEETING LEVEL

1 pm–5:30 pm
Interventional Spasticity Intensive: Case-Based Skills Training and Assessment
ROOM 207A, MEETING LEVEL
1801. Ultrasonography for the Evaluation and Treatment of Upper Extremity Disorders
ROOM 214C, MEETING LEVEL
1802. Advanced Musculoskeletal Ultrasound of the Shoulder
ROOM 214C, MEETING LEVEL

1 pm–7 pm
REGISTRATION, MEMBER SOLUTION CENTER OPEN

1 pm–7 pm
Registration, Member Solution Center Open
Skills Labs

MEET YOUR CME AND MOC® REQUIREMENTS

Accreditation
The American Academy of Physical Medicine and Rehabilitation (AAPM&R) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians.

CME Credit Designation
AAPM&R designates Annual Assembly live educational sessions for a maximum of 26 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAPM&R designates credit separately for the preconference courses held prior to the Annual Assembly. Physicians may claim 4.25 to 17.75 AMA PRA Category 1 Credits™ for participation in one of the preconference courses.

Maintenance of Certification
The American Board of Physical Medicine and Rehabilitation (ABPMPR) has approved the Preconference Courses and Skills Labs for Maintenance of Certification (MOC) Part II Self-Assessment credit. Upon successful completion of the activity requirements, participants will earn Part II Self-Assessment credits equal to the number of CME credits claimed.

Disclosure
AAPM&R requires all individuals who are in a position to control the content of an educational activity to disclose all relevant financial relationships with any commercial interest, which is any entity producing, marketing, re-selling or distributing health care goods or services consumed by, or used on, patients. Disclosures are made in written form prior to the start of the educational activity and any potential conflicts of interest that exist are resolved prior to the start of the activity through AAPM&R’s Conflict of Interest Disclosure and Resolution Policy Process.

WHERE TO GET LUNCH

Grab n’ go box lunches are included in your registration. Pick up yours in the PM&R Pavilion:
- Thursday, November 14: 12:30 pm-2 pm
- Friday, November 15: 12:30 pm-2 pm
- Saturday, November 16: 11:15 am-12:45 pm

Or, eat and learn at the same time during our complimentary Lunch and Learn presentations in the PM&R Pavilion:
- Thursday, November 14: 12:45 pm-1:45 pm
- Friday, November 15: 12:45 pm-1:45 pm
- Saturday, November 16: 11:30 am-12:30 pm

Learn more about Lunch and Learns on page 49.
THURSDAY, NOVEMBER 14

MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN

Physical Medicine and Rehabilitation at Michigan Medicine is a leader in rehabilitation training, research, and clinical care. Michigan Medicine is home to one of the largest health care complexes in the world. It has been the site of many groundbreaking medical and technological advancements since the Medical School first opened in 1850. Visit pmr.med.umich.edu and learn about exciting new developments in the department and for details about James Rae Day and Alumni of Physical Medicine and Rehabilitation.

Physical Medicine and Rehabilitation at Michigan Medicine is a leader in rehabilitation training, research, and clinical care. Michigan Medicine is home to one of the largest health care complexes in the world. It has been the site of many groundbreaking medical and technological advancements since the Medical School first opened in 1850. Visit pmr.med.umich.edu and learn about exciting new developments in the department and for details about James Rae Day and Alumni of Physical Medicine and Rehabilitation.

THURSDAY, NOVEMBER 14

THE #AAPMR2019 AGENDA

THE #AAPMR2019 AGENDA—THURSDAY

10:45 am–12 pm

1101. Advanced Diagnostic and Interventional Ultrasound: Taking it to the Next Level [MSK] Room 207A, Meeting Level
1401. Fundamental Approaches to Capturing Physiatric Interventions and Patient-Reported Outcomes (PRO): 2020 Ischemic Stroke and Low Back Pain Pilots in AAPM&R’s Clinical Data Registry [SPINE AND PAIN] Room 205, Meeting Level
1501. CBD, THC, and Medical Marijuana: What Do I Need to Know to Educate My Patients? [SPINE AND PAIN] Room 206, Meeting Level

12-1 pm

1301. Feeding the Fire: Finding Solutions to the Burnout Epidemic in PM&R [PRACTICE] Room 217B, Meeting Level
1701. Advocacy from A to Z [IN-TRAINING/EARLY-CAREER] Room 208A, River Level
502. AAPM&R’s Transition to Longitudinal Assessment: What Does It Mean for You? Room 216, Meeting Level
1801. Ultrasound Guidance for Peripheral Nerves [ROOM 214A, MEETING LEVEL]
1802. Ultrasound Guidance for Common Joint Injection Views [ROOM 214C, MEETING LEVEL]
1803. Resident Boot Camp: Ultrasound Reviewing Essential Nerve Examination Techniques and Common Joint Intraartic Joint Injection Views Room 214B, Meeting Level
1804. Ultrasound Evaluation of Peripheral Nerves Room 214C, Meeting Level
1805. Ultrasound Guidance for Chemonoceradation Procedures: Upper Limb Room 214D, Meeting Level

1-2 pm

1304. Medical Leadership: Beyond the Medical Director...the Essential New and Evolving Role of the Medical Administrator and the Potential Impacts of Innovative Leadership [PRACTICE] Room 217B, Meeting Level

3-4:30 pm

1102. Pearls for the Sports Medicine Physician [MSK] Room 004A, River Level
1103. Rehabilitation of Chronic Shoulder Pain - Current Evidence and New Treatments [MSK] Room 207A, Meeting Level
1202. Findings from the Football Players Health Study [CNS] Room 005A, River Level
1203. Challenging Electrophysiologic Cases - Meaningful Interpretation with Implications for Diagnosis and Referrals [EMG] Room 205, Meeting Level
1204. Rehabilitation of Patients with Brain Tumors [CANCER] Room 006A, River Level

4:30-6 pm

1305. Reevaluation of the Inpatient Setting [EMG] Room 207A, Meeting Level
1402. Challenging Electrodiagnostic Cases - Meaningful Interpretation with Implications for Diagnosis and Referrals [EMG] Room 205, Meeting Level
1403. Rehabilitation of Patients with Brain Tumors [CANCER] Room 006A, River Level
1404. Electrodiagnosis in the Inpatient Setting [EMG] Room 207A, Meeting Level

5-7 pm

5 pm-7 pm

WELCOME RECEPTION IN THE PM&R PAVILION

STATE SOCIETY MEETINGS (see page 45 for details)

WELCOME RECEPTION IN THE PM&R PAVILION

STATE SOCIETY MEETINGS (see page 45 for details)
<table>
<thead>
<tr>
<th>TIME</th>
<th>CLINICAL SYMPOSIAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:30 am</td>
<td><strong>FOUNDATION FOR PM&amp;R SK RUN/WALK &amp; ROLL</strong></td>
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<tr>
<td></td>
<td><strong>MEMORIAL PARK</strong></td>
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<tr>
<td>7 am-9 am</td>
<td>VOLUNTEER OPEN HOUSE <strong>EL PUENTE CAFE, WEST LOBBY, STREET LEVEL</strong></td>
</tr>
<tr>
<td>7 am-5:30 pm</td>
<td><strong>REGISTRATION, MEMBER SOLUTION CENTER OPEN</strong></td>
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<tr>
<td>7 am-9 am</td>
<td><strong>REGISTRATION, MEMBER SOLUTION CENTER OPEN</strong></td>
</tr>
<tr>
<td></td>
<td>1203. Rare and Well Done - Unusual Spasticity Management Techniques [CNSS] ROOM 006A, RIVER LEVEL</td>
</tr>
<tr>
<td></td>
<td>1204. Parkinson’s Disease: The Quintessential Multidisciplinary Rehabilitation Diagnosis [CNSS] ROOM 207A, MEETING LEVEL</td>
</tr>
<tr>
<td></td>
<td>1404. Cancer-Related Challenges in the Inpatient Rehabilitation Setting [CANCER] ROOM 217A, MEETING LEVEL</td>
</tr>
<tr>
<td>8 am-9:30 am</td>
<td>1505. Spine Imaging Interpretation for the Early-Career PM&amp;R Specialist [SPINE AND PAIN] ROOM 217A, MEETING LEVEL</td>
</tr>
<tr>
<td>9 am-3:45 pm</td>
<td><strong>PM&amp;R PAVILION OPEN</strong></td>
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<tr>
<td>9:15 am-10 am</td>
<td><strong>REFRESHMENT BREAK</strong></td>
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<tr>
<td></td>
<td>1516. Controversies in Spine and Pain Care: A Pro/Con Debate [SPINE AND PAIN] ROOM 217A, MEETING LEVEL</td>
</tr>
<tr>
<td>10 am-11:30 am</td>
<td>1206. Lower Limb Orthotic Prescription Optimization [CNSS] ROOM 217A, MEETING LEVEL</td>
</tr>
<tr>
<td>11:15 am-11:30 am</td>
<td><strong>TRANSITION BREAK</strong></td>
</tr>
</tbody>
</table>

Support of Annual Assembly education, including preconference courses, has been provided through educational grants (financial and in-kind) from the following companies in accordance with ACCME guidelines:

**FINANCIAL**

- Allergan, Inc.
- Arthrex
- Saol Therapeutics

**IN-KIND DURABLE EQUIPMENT**

- Allergan, Inc.
- Cadwell
- Canon
- Eko Bionics
- EmCyte Corporation
- Fujifilm Sonosite, Inc.
- GE Healthcare
- Hanger Clinic
- Intronix
- Ipsen
- Konica Minolta
- Lipogems
- Medtronic
- Natus
- Parker Hannifin
- Philips
- ReWalk
- Terson

**LEARNING CENTER/RESEARCH HUB**

- **FOUNDATION FOR PM&R SK RUN/WALK & ROLL** **MEMORIAL PARK**
- **REGISTRATION, MEMBER SOLUTION CENTER OPEN**
- **VOLUNTEER OPEN HOUSE** **EL PUENTE CAFE, WEST LOBBY, STREET LEVEL**

**PM&R BOLD**

- 1404. AAPM&R Health Advocacy on the Hill and Beyond: The Current Health Policy Landscape and Academy Advocacy Activities [PRACTICE] ROOM 205, MEETING LEVEL
- 1405. TelePM&R: Lessons Learned and the Road Ahead [NEW TECHNOLOGIES] ROOM 216, MEETING LEVEL
- 1601. Advancing Physiatry’s Future: Rehabilitation Care Continuum Learning Collaborative (8 am-11 am) GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL

**HANDS-ON DEMONSTRATIONS**

- Exhibition Hall A, Street Level
- **AAPM&R’s Registry Dashboard**
- **Improving Your Lumbar Puncture Skills**
- **Pediatric Electrodiagnosis: Summary and Update with Live Demonstration of Clinical Approach**

**RESEARCH HUB THEATER**

- **EXHIBIT HALL 4AB, STREET LEVEL**
- **Hands-On Demonstrations**
- **Research Spotlight: Neurological Rehabilitation**
- **Research Spotlight: Musculoskeletal and Sports Medicine**

**THE #AAPMR2019 AGENDA—FRIDAY**

**FRIDAY, NOVEMBER 15 IS OUR SPIRIT DAY: #PHYSIATRYDAY**

This year’s theme—Team Physiatry—puts the spotlight on the team-focused care that physiatrists provide. No other specialty understands the value and importance of team-based care and makes it a priority in their practices each and every day.

**SHOW YOUR TEAM SPIRIT:** Pick up your Team Physiatry t-shirt at the Member Solution Center on Thursday and wear it on Friday.

**MAKE MEMORIES:**
- Take photos and videos that showcase what physiatry looks like to you and post them to social media with #PhysiatryDay.

**SPREAD THE WORD:**
- Engage with us on Facebook (@AAPMRInfo), Twitter (@AAPMR), and Instagram (@AAPMR).

Visit [www.physiatryday.org](http://www.physiatryday.org) for more information.

**GET IN THE GAME:**
- Visit the Team Physiatry Experience near the Member Solution Center. Help us build an eye-catching mural and pose for photos with Team Physiatry-themed props.
### ATTEND THESE IMPORTANT AAPM&R BUSINESS EVENTS

**AAPM&R Town Hall**
- **Date:** Friday, November 15
- **Time:** 5 pm-6 pm
- **Location:** Room 205, Meeting Level

**AAPM&R Business Meeting**
- **Date:** Saturday, November 16
  - **Time:** 11:30 am-12:30 pm
  - **Location:** Room 217C, Meeting Level

All members are encouraged to attend the AAPM&R Town Hall. This is a great way to make an in-person connection with your Board of Governors during the Annual Assembly. Members meet face-to-face with leadership who set aside this time in an informal setting to answer your questions and hear your ideas and feedback. This is an excellent opportunity to share your voice with the Board of Governors!

- **Learn more:**
  - Attend session 1501 on Thursday at 2 pm-3:15 pm
  - Talk to AAPM&R Registry staff in Booth #1537 in the PM&R Pavilion
  - View live demos of the AAPM&R Registry dashboard in the Learning Center

**WHY IS AAPM&R DEVELOPING A DATA REGISTRY?**

AAPM&R’s Registry is essential for the specialty and its future. As a physiatry-owned, single repository of data, the Registry will harness the combined power in numbers of the entire specialty.

This mass of data can then aid the specialty by guiding efforts to reduce burnout and defend our scope of practice.

Learn more:

- Attend session 1501 on Thursday at 2 pm-3:15 pm
- Talk to AAPM&R Registry staff in Booth #1537 in the PM&R Pavilion
- View live demos of the AAPM&R Registry dashboard in the Learning Center on Thursday at 4 pm-6:30 pm and on Friday/Saturday at 9:30 am-10 am
- Visit: [www.aapmr.org/data](http://www.aapmr.org/data)
The #AAPMR2019 Agenda

Saturday, November 16

<table>
<thead>
<tr>
<th>TIME</th>
<th>CLINICAL SYMPOSIA</th>
<th>PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIA</th>
<th>SKILLS LABS</th>
<th>LEARNING CENTER/RESEARCH HUB</th>
<th>PM&amp;R BOLD</th>
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<tr>
<td>7 am-5 pm</td>
<td>REGISTRATION, MEMBER SOLUTION CENTER OPEN</td>
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<td></td>
<td>1113. Advances in Treatment and Prevention of Hamstring Injuries [MSK] ROOM 279, MEETING LEVEL</td>
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<td></td>
<td>1208. It’s Not The Pump! It’s Your Management [SPASTICITY] ROOM 217, MEETING LEVEL</td>
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<td></td>
<td>1412. Regenerative Medicine in Pediatric and Adolescent Sports Injuries [PEDIATRICS] ROOM 007A, RIVER LEVEL</td>
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<td>1509. Intrathecal Therapies: Biologics and Beyond [SPINE AND PAIN] ROOM 204A, MEETING LEVEL</td>
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<td>8 am-9:30 am</td>
<td>1210. More Than Just &quot;Dispo&quot;: Using Evidence and Best Practice to Integrate Physiatry into the Neurologic Intensive Care Unit [SPASTICITY] ROOM 205A, MEETING LEVEL</td>
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<tr>
<td>8 am-4 pm</td>
<td>MEDITICAL STUDENT PROGRAM GRAND HYATT SAN ANTONIO, LONESTAR D, 2ND LEVEL AND RESIDENCY FAIR GRAND HYATT SAN ANTONIO, TEXAS A, 4TH LEVEL</td>
<td>MEDICAL STUDENT PROGRAM GRAND HYATT SAN ANTONIO, LONESTAR D, 2ND LEVEL AND RESIDENCY FAIR GRAND HYATT SAN ANTONIO, TEXAS A, 4TH LEVEL</td>
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<td>9 am-12:45 pm</td>
<td>PM&amp;R PAVILION OPEN</td>
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<td>9:35 am-10 am</td>
<td>REFRESHMENT BREAK</td>
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<td>1515. Shoulder: An Approach to Orthobiologic Injections [MSK] ROOM 007A, RIVER LEVEL</td>
<td>1610. A Program Planning Committee Guide and Q&amp;A Session on Submitting a Strong Proposal for the AAPM&amp;R Annual Assembly (10 am-11 am) ROOM 216, MEETING LEVEL</td>
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<td>1518. Lumbar Spinal Stenosis: A Physiatry Perspective [SPINE AND PAIN] ROOM 204A, MEETING LEVEL</td>
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<tr>
<td>10 am-11:15 am</td>
<td>1519. SPINE AND PAIN</td>
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**Two Special Offers for Our Biggest Fans**

Stop by the Registration Desk to take advantage of these offers:

1. Register on-site in San Antonio for the 2020 Annual Assembly and receive a $100 experience credit*. Apply your credit to:
   - A President’s Reception ticket
   - A Skills Lab
   - The #AAPMR20 Rewind
   - A Preconference Course

2. Receive a 75% discount on the 2019 Annual Assembly Rewind featuring more than 75 clinical and practice symposia—just $99!

*This is a limited-time offer and will expire on December 17, 2019. Your 2020 Annual Assembly registration and membership credit are non-transferable. The conference allows you to register for one package at a time. By registering for the #AAPMR20 Rewind and choosing an option, you will be removed from your current Annual Assembly registration. Any unused credit will be cleared from your account on September 16, 2020.

Learn more about AAPM&R’s BOLD efforts for the specialty at BOLD.aapmr.org.
Stop by the Member Solution Center to see PM&R BOLD in action!
<table>
<thead>
<tr>
<th>TIME</th>
<th>CLINICAL SYMPOSIAS</th>
<th>PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIAS</th>
<th>SKILLS LABS</th>
<th>LEARNING CENTER/RESEARCH HUB</th>
<th>PM&amp;R BOLD</th>
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<tbody>
<tr>
<td>11:15 am-12:45 pm</td>
<td>GRAB ‘N’ GO LUNCH IN THE PM&amp;R PAVILION</td>
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<td>11:30 am-12:30 pm</td>
<td><strong>AAPM&amp;R BUSINESS MEETING</strong> ROOM 217C, MEETING LEVEL</td>
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<td>12:45 pm-1:45 pm</td>
<td><strong>PLENARY KEYNOTE—51ST WALTER J. ZEITTER LECTURE AND AWARDS</strong> VIDEO PRESENTATION, DAVID B. NASH, MD, MBA</td>
<td><strong>PLENARY KEYNOTE—51ST WALTER J. ZEITTER LECTURE AND AWARDS</strong> VIDEO PRESENTATION, DAVID B. NASH, MD, MBA</td>
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<td>1:45 pm-2 pm</td>
<td><strong>TRANSITION BREAK</strong></td>
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<td>2 pm-3:15 pm</td>
<td>1212. Intrathecal Baclofen Pumps: Leave It In... or Take It Out? [SPASTICITY] ROOM 206A, MEETING LEVEL</td>
<td>1314. Physiatric Practice in the SNF: What You Need to Know to Succeed [PRACTICE] ROOM 207A, MEETING LEVEL</td>
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<td>1912. The 2019 PASSOR Legacy Award and Lectureship Winner ROOM 217A, MEETING LEVEL</td>
<td>5018. ABPM&amp;R Practice Improvement Project Workshop ROOM 216A, MEETING LEVEL</td>
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<td>3:15 pm-3:30 pm</td>
<td><strong>REFRESHMENT BREAK</strong></td>
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<td>5 pm-6:15 pm</td>
<td><strong>CHIEF RESIDENTS’ MEETING</strong> GRAND HYATT SAN ANTONIO, LONESTAR C, 2ND LEVEL</td>
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<tr>
<td>7 pm</td>
<td><strong>ALUMNI RECEPTIONS</strong> (see page 45 for details)</td>
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**Saturday, November 16**

**#AAPMR2019 PhyzTalks**

- **Brunch and Closing General Session featuring PhyzTalks**
  - **8 am-10 am**
  - **HEMISFAIR BALLROOM, BALLROOM LEVEL**

**Sunday, November 17**

**SAVE THE DATE**

November 12-15, 2020 in San Diego, California

**#AAPMR2019**

**UNITING PM&R THROUGH EVIDENCE & BEST PRACTICES**
LEARN AND CONNECT AT THE NEW COMMUNITY DAY

On Thursday morning, attend sessions that were created by some of your new Member Communities! Each community has education and networking specific to your needs and interests. You’re welcome to attend any session(s)—all of these are included in your registration.

THURSDAY, NOVEMBER 14

8 am-9:15 am
5006. Pain Medicine
ROOM 006A, RIVER LEVEL
Evidence-Based Pain Medicine: Spine Physical Exam and Multidisciplinary Approach
✓ Share best practices in spine and multidisciplinary pain care.
✓ Focus on the evidence behind various multidisciplinary pain approaches and historical factors in physical examination maneuvers.
✓ Break into small, faculty-led groups to learn appropriate physical examination maneuvers and experience a guided mindfulness exercise.

5007. Pediatric Rehabilitation
ROOM 206A, MEETING LEVEL
Pediatric Rehabilitation – Pearls and Pitfalls from the Trenches
✓ Experienced physiatrists who have started successful pediatrics inpatient or outpatient practices will describe their experiences.
✓ Review 2-3 pearls to enable you to establish your practice as well as 2-3 pitfalls to avoid.
✓ Discuss why establishing pediatric practices in a multitude of settings is valuable for physiatry.

5010. Running Medicine
ROOM 207A, MEETING LEVEL
Running Medicine: Clinically-Applied Biomechanics
✓ Give an overview of abnormal biomechanics and correlation with injury.
✓ Discuss running gait patterns and injury.
✓ Review case presentations that highlight a biomechanical approach for diagnosis and how to formulate a structured rehab plan.

5012. Overhead Athlete
ROOM 217B, MEETING LEVEL
The Overhead Athlete: Translation of Research to Performance and Back Again
✓ An open conversation about career choices.
✓ Discuss how it affects the financial strategy for a prosperous career.
✓ Share strategies of financial soundness regardless of where you are in your career path.

5013. Women Physiatrists
ROOM 217C, MEETING LEVEL
Visioning Women Physiatrists BOLD
Speakers: Martha Borro, Marina Gavito, MBA; Sara Laschever, MA
✓ Understand how the “woman gap” is affecting career, promotions, and compensation.
✓ Employ strategies to find and nourish mentorship opportunities.
✓ Discuss how to be instrumental leaders with upcoming health care changes.

9:45 am-11 am
5001. African American Physiatrists
ROOM 208, MEETING LEVEL
Careers, Cash, and Conversation
Speaker: Sharon Matory, CMPC
✓ An open conversation about career choices.
✓ Discuss how it affects the financial strategy for a prosperous career.
✓ Share strategies of financial soundness regardless of where you are in your career path.

5008. Performing Arts Medicine
ROOM 217B, MEETING LEVEL
Performing Arts Medicine – Get to Know the Community
✓ Review the special issues seen in the performing arts.
✓ A panel discussion will facilitate the sharing of various experiences of providers working with artists.
✓ Topics will range from the logistics of working in the field to the management of specific conditions.

5009. Philippine American Physiatrists
ROOM 205, MEETING LEVEL
Spotlight on Global Health Initiatives in Physiatry
✓ Have an open and lively discussion regarding global health, PM&R initiatives, and international networking opportunities.
✓ A panel will share their personal experiences with service projects (domestic and abroad) and how it has shaped their clinical practice.
✓ Garner creative ideas for collaboration with international PM&R organizations for clinical and research opportunities.

There are more than 35 Member Communities growing and thriving together! Members: Log in to your member profile to enroll in communities that interest you. Plus, join the virtual Member Community discussions happening on Phy2Forum—visit www.phy2forum.org.

Interested in listening to multiple Community Day sessions? All of these recorded sessions will be included in the Annual Assembly Rewind, which will also feature 75+ sessions from #AAPHR2019. Attendees receive a special discounted rate of only $99, which is 75% off the regular price! Stop by the Registration Desk to purchase this valuable resource.
Saturday, November 16
8 am-11 am
1603. Advancing Physiatry’s Future: Rehabilitation Care Continuum Learning Collaborative
GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL

Spasticity
FRIDAY, NOVEMBER 15
3:45 pm-5 pm
1207. Managing the Spasticity Team in Challenging Financial Times
ROOM 217A, MEETING LEVEL
Cindy B. Ivanhoe, MD, FAAPMR (Session Director); Joseph B. Carroll, MD, FAAPMR; Michael Green, DO; FAAPMR; Amrit Nagpal, MD, MS, MS, FAAPMR; Monica Verduzco-Gutierrez, MD, FAAPMR

Saturday, November 16
8 am-11 am
1604. Pain and Opioids: Challenges and Innovations in Pain and Inflammation Management
ROOM 207A, MEETING LEVEL
Joan A. Collier, MD, FAAPMR (Session Director); Erin C. Cooper, MD, FAAPMR; John C. Elmore, MD, FAAPMR; Robert M. Graber, MD, FAAPMR; Sarah L. Petrey, MD, FAAPMR; Stephen G. Salloum, MD, PhD, FAAPMR; Joseph J. Zafonte, MD, FAAPMR (Session Director)

Saturday, November 16
2 pm-3:15 pm
1612. More Than Just ‘Dispo’: Using Evidence and Best Practices to Integrate Physiatry into the Neurologic Intensive Care Unit
ROOM 217A, MEETING LEVEL
Jared L. Wilson, MD, FAAPMR (Session Director); Kevin Franceso, DO, FAAPMR; Gary F. Galang, MD, FAAPMR; Kirk Lerner, MD, FAAPMR; Mark Linsenmayer, MD, FAAPMR; Amy Wagner, MD, FAAPMR

Saturday, November 16
3 pm-4:15 pm
1212. Intrathecal Baclofen Pumps: Leave it in...or Take it Out?
ROOM 207A, MEETING LEVEL
Kat Kosloski, MD, FAAPMR (Session Director); Jil Mahan, DO, FAAPMR; Elizabeth Moberg-Wolf, MD, FAAPMR
## EDUCATION BY THEME

### THURSDAY, NOVEMBER 14

### NEW TECHNOLOGIES/EMG

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 2 pm-3:15 pm | **Electrodiagnosis in the Inpatient Setting**  
**Room 207A, Meeting Level**  
Sandra L. Hearne, MD, FAAPMR (Session Director);  
Erik R. Ensrud, MD, FAAPMR;  
Deborah A. Venesy, MD, FAAPMR                                                                 |
| 3:45 pm-5 pm | **Challenging Electrodiagnostic Cases – Meaningful Interpretation with Implications for Diagnosis and Referrals**  
**Room 207, Meeting Level**  
Faran H. Williams, MD, FAAPMR;  
Erik R. Ensrud, MD, FAAPMR;  
Deborah A. Venesy, MD, FAAPMR                                                                  |

### FRIDAY, NOVEMBER 15

### PRACTICE MANAGEMENT AND EVOLUTION

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 8 am-9:15 am | **AAPM&R Health Advocacy on the Hill and Beyond: A Town Hall Discussion**  
**Room 216, Meeting Level**  
Corinne M. Layna Stuart, DO, FAAPMR;  
Diane M. Ford, MD, FAAPMR (Session Directors)                                                   |
| 10 am-11 am | **Population Health, Payment Models, and Predictive Analytics: Opportunities and Challenges for Physiatry Looking Forward in the Era of Value-Based Health Care**  
**Room 205, Meeting Level**  
Chloe S. Stoum, MD, MPH, FAAPMR (Session Director);  
Anna Okutuc, RN, BSN, PhD, Ross Zarofsky, DO, FAAPMR                                             |
| 10:15 am-11:30 am | **Tips and Tricks for Establishing and Maintaining a Successful Clinical Practice in Musculoskeletal/Sports Spine Medicine in the Current Health Care Environment**  
**Room 217B, Meeting Level**  
Ellis J. Charlesworth, MS, MD, FAAPMR;  
Monica Verduzco-Gutierrez, MD, FAAPMR (Session Directors);  
Allison C. Bean, MD, PhD, Julia Rely, MD                                                        |

### CANCER REHABILITATION

### THURSDAY, NOVEMBER 14

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 3:45 pm-5 pm | **Cancer-Related Challenges in the Inpatient Rehabilitation Setting**  
**Room 207A, Meeting Level**  
Shawn P. Jorgensen, MD, FAAPMR (Session Director);  
William D. Arnold, MD, FAAPMR;  
Erik R. Ensrud, MD, FAAPMR;  
Sandra L. Hearn, MD, FAAPMR;  
Todd R. Rowland, MD, FAAPMR;  
Rafael S. Garb, DO, FAAPMR;  
Gary Goldberg, MD, FAAPMR                                                                    |

### FRIDAY, NOVEMBER 15

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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| 8 am-9:15 am | **Adenocarcinoma: The Treatment of Long Survivors**  
**Room 207A, Meeting Level**  
Lori M. Grafton, MD, FAAPMR (Session Director);  
Justin S. Hosman, MD, FAAPMR;  
Maria T. Moran, PhD                                                                   |

### SATURDAY, NOVEMBER 16

### CANCER REHABILITATION

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 8 am-9:15 am | **Advances in Neuromuscular and Rehabilitation Part 1 – Nerve**  
**Room 205, Meeting Level**  
Colin K. Franz, MD, PhD, FAAPMR (Session Director);  
William D. Arnold, MD, FAAPMR;  
Arya Gian, MD, FRCPC;  
Richard L. Lieber, MD, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                   |
| 9:30 am-11:30 am | **Advances in Neuromuscular Medicine and Rehabilitation Part 2 – Muscle**  
**Room 205, Meeting Level**  
Sandra Pagano, MD, FAAPMR;  
Mark Huang, MD, FAAPMR;  
Erik R. Ensrud, MD, FAAPMR;  
Deborah A. Venesy, MD, FAAPMR                                                                 |

### SATURDAY, NOVEMBER 17

### CANCER REHABILITATION

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 8 am-9:15 am | **Cancer Rehabilitation: The New Normal**  
**Room 217A, Meeting Level**  
Anthony E. Mancuso, MD, FAAPMR;  
Steven M. Gnatz, MD, MHA, FAAPMR;  
Erik R. Ensrud, MD, FAAPMR;  
Mark Huang, MD, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                   |
| 9:30 am-11:30 am | **Cancer Rehabilitation: The New Normal**  
**Room 217A, Meeting Level**  
Anthony E. Mancuso, MD, FAAPMR;  
Steven M. Gnatz, MD, MHA, FAAPMR;  
Erik R. Ensrud, MD, FAAPMR;  
Mark Huang, MD, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                   |
| 10 am-11:30 am | **Balancing Rehabilitation with Prognosis in Cancer Patients: An Evidence-Based Review of When and How to Intervene**  
**Room 205, Meeting Level**  
Jennifer A. Swenson, MD, FAAPMR;  
Samuel L. Koo, MD, MPH, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                    |
| 11 am-12 pm | **The Art of Referral to the Oncologic Rehabilitation Setting**  
**Room 205, Meeting Level**  
Sandra Pagano, MD, FAAPMR;  
S. Kaufman, MD;  
Mary E. Matsumoto, MD, FAAPMR;  
Joel S. Kaufman, MD, FACSM, FAAPMR                                                            |

### Saturday, November 17

### CANCER REHABILITATION

<table>
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**Room 205, Meeting Level**  
Jennifer A. Swenson, MD, FAAPMR;  
Samuel L. Koo, MD, MPH, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                    |
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**Room 205, Meeting Level**  
Jennifer A. Swenson, MD, FAAPMR;  
Samuel L. Koo, MD, MPH, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                    |
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Jennifer A. Swenson, MD, FAAPMR;  
Samuel L. Koo, MD, MPH, FAAPMR;  
Sandra Pagano, MD, FAAPMR                                                                    |
| 11 am-12 pm | **The Art of Referral to the Oncologic Rehabilitation Setting**  
**Room 205, Meeting Level**  
Sandra Pagano, MD, FAAPMR;  
S. Kaufman, MD;  
Mary E. Matsumoto, MD, FAAPMR;  
Joel S. Kaufman, MD, FACSM, FAAPMR                                                            |
Friday, November 15

8 am-9:15 am
1504. Mind-Body Pain Medicine: Reinventing Yourself in a Dynamic Practice Environment
ROOM 217A, MEETING LEVEL
Ira G. Radbaum, MD, FAAPMR (Session Director); Francois S. Anderson, PhD, SEP; David L. Baguil, MD, FAAPMR; Stuart J. Glassman, MD, FAAPMR

8 am-9:30 am
1505. Spine Imaging Interpretation for the Early-Career PM&R Specialist (Limited seating available)
ROOM 217A, MEETING LEVEL
Patricia Z. Zhang, MD, FAAPMR (Session Director); D.J. Kennedy, MD, FAAPMR; Zachary L. McCormick, MD, FAAPMR; Adrian Popescu, MD, FAAPMR; Byron J. Schneider, MD, FAAPMR; Matthew Smuck, MD, FAAPMR

10 am-11:15 am
1516. Controversies in Spine and Pain Care: A Pro/Con Debate
ROOM 007A, RIVER LEVEL
Mahul J. Desai, MD, MPH, FAAPMR (Session Director); Alexios G. Carayannopoulos, DO, MPH, FAAPMR; Ami S. Nagpal, MD, MS, MD, FAAPMR; Saloni Sharma, MD, FAAPMR

2 pm-3:30 pm
1570. Neuroradiology for Physiatrists: A Comprehensive Review
ROOM 217C, MEETING LEVEL
Eva T. Shaw, DO, FAAPMR (Session Director); Mahul J. Desai, MD, MPH, FAAPMR; Michael F. Saulino, MD, PhD, FAAPMR

2 pm-3:30 pm
1506. Spine Imaging Interpretation for the Experienced PM&R Specialist (Limited seating available)
ROOM 217A, MEETING LEVEL
Patricia Z. Zhang, MD, FAAPMR (Session Director); D.J. Kennedy, MD, FAAPMR; Zachary L. McCormick, MD, FAAPMR; Adrian Popescu, MD, FAAPMR; Byron J. Schneider, MD, FAAPMR; Matthew Smuck, MD, FAAPMR

3:45 pm-5 pm
1508. Vertebral Compression Fractures: Current Guidelines for Treatment
ROOM 216, MEETING LEVEL
Mahul J. Desai, MD, MPH, FAAPMR (Session Director); Alexios G. Carayannopoulos, DO, MPH, FAAPMR; Amy S. Nagpal, MD, ME, FAAPMR; Shervin Ashkan, MD, FAAPMR

Saturday, November 16

8 am-9:15 am
1510. An Interactive Session on Finding Best Practices for Regenerative Interventions for Spinal Disorders
ROOM 217A, MEETING LEVEL
Vinei Akuthota, MD, FAAPMR (Session Director); Gerard A. Malanga, MD, FAAPMR; Wenchun Qu, MD, PhD

10 am-11:15 am
1511. Lumbar Spinal Stenosis: A Physiatry Perspective
ROOM 206A, MEETING LEVEL
Mahul J. Desai, MD, MPH, FAAPMR (Session Director); Alexios G. Carayannopoulos, DO, MPH, FAAPMR

12 pm-2 pm
1512. Best Papers for Recent Advances in Pain Management
ROOM 216, MEETING LEVEL
Paul M. Schotten, MD, FAAPMR (Session Director); Zachary L. McCormick, MD, FAAPMR; Steven P. Stanos, Jr., DO, FAAPMR

12 pm-2 pm
1515. Evaluation of Cervical Spine Pain and Correlation with Injection Procedures
ROOM 007A, RIVER LEVEL
Amit Bhargava, MD, FAAPMR (Session Director); Michael J. DePalma, MD, FAAPMR; Omar El Abid, MD, FAAPMR; William F. Michaels, MD, FAAPMR; Fernando Sepulveda-Irurzun, MD, FAAPMR
**Achieving Health Equity: Tools for a Campaign Against Racism**
Camara P. Jones, MD, MPH, PhD
- **Friday, November 15**
  - 11:30 am-12:30 pm
  - HEMISFAIR BALLROOM, BALLROOM LEVEL

Camara Phyllis Jones is the 2019-2020 Evelyn Green Davis Fellow at the Radcliffe Institute for Advanced Study at Harvard University and a Past President of the American Public Health Association (2015-2016). Dr. Jones is a family physician and epidemiologist whose work focuses on the impacts of racism on the health and well-being of the nation. She seeks to broaden the national health debate to include not only universal access to high-quality health care, but also attention to the social determinants of health (including poverty) and equity (including racism).

**51st Walter J. Zeiter Lecture and Awards Video Presentation—**
*Population Health: Shut Off the Faucet and Stop Mopping Up the Floor*
David B. Nash, MD, MBA
- **Saturday, November 16**
  - 12:45 pm-1:45 pm
  - HEMISFAIR BALLROOM, BALLROOM LEVEL

Our annual AAPM&R Awards Video Presentation will kick-off this plenary session, where our 2019 award winners will be recognized for their significant contributions to both the specialty and to people with disabilities.

Then, David B. Nash, Founding Dean and the Dr. Raymond C. and Doris N. Grandon Professor of Health Policy at the Jefferson College of Population Health, will share his presentation on leadership in population health. Dr. Nash is internationally-recognized for his work in public accountability for outcomes, physician leadership development, and quality-of-care improvement.
## INTERACTIVE EDUCATION IN THE LEARNING CENTER

Held in the PM&R Pavilion, the Learning Center is your destination for highly-interactive, hands-on education. Leading experts in physiatry will be offering demonstrations, giving you exposure to new technologies available in different clinical areas. The Learning Center is open throughout the Assembly and is included in your registration.

### Hands-On Demonstrations and Presentations

#### FRIDAY, NOVEMBER 15 (CONTINUED)

<table>
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<th>Time</th>
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<tr>
<td>9:30 am-11 am</td>
<td>Improving Your Lumbar Puncture Skills&lt;br&gt;Michael F. Saulino, MD, PhD, FAAPMR (Director)</td>
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<tr>
<td>10 am-11:30 am</td>
<td>Pediatric Electrodiagnosis: Summary and Updates with Live Demonstration of Clinical Approach&lt;br&gt;Maurén R. Nelson, MD, FAAPMR (Director)</td>
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<tr>
<td>1 pm-2:45 pm</td>
<td>Refill and Program Intrathecal Pump Using the Innovative SynchroMed II Clinician Programmer&lt;br&gt;A Hands-On Sponsored Experience by: Medtronic</td>
</tr>
<tr>
<td>2 pm-3:30 pm</td>
<td>Incorporating Commerically-Available Technologies into the Physiatric Practice&lt;br&gt;Michael H. Hager, MD (Director)</td>
</tr>
<tr>
<td>2 pm-3:30 pm</td>
<td>Migraine Management&lt;br&gt;Atul T. Patel, MD, MHS, FAAPMR (Director)</td>
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</tbody>
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#### SATURDAY, NOVEMBER 16

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 am-10 am</td>
<td>AAPM&amp;R’s Registry Dashboard Demonstration</td>
</tr>
<tr>
<td>9:30 am-10:15 am</td>
<td>Evidence-Based Prosthetic Care: Using Data to Demonstrate the Value of Rehabilitation Medicine&lt;br&gt;A Hands-On Sponsored Experience by: Össur</td>
</tr>
<tr>
<td>9:30 am-11 am</td>
<td>Radial Nerve Injuries: Etiology, Workup, and Prognosis for Recovery with Implications for Treatment&lt;br&gt;Faren H. Williams, MD, FAAPMR (Director)</td>
</tr>
</tbody>
</table>

### HANDS-ON SKILLS LABS LED BY YOUR PM&R PEERS

Our Skills Labs are 3-hour immersive educational experiences, offering a blend of didactic and hands-on learning. Stop by the registration desk (Hall 4 West Lobby on the Street Level) to see if tickets are still available for purchase—space is limited to 40 participants per Lab.

#### WEDNESDAY, NOVEMBER 13

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 pm-5 pm</td>
<td>1801. Ultrasonography for the Evaluation and Treatment of Upper Extremity Disorders&lt;br&gt;Mary L. Apaft, MD, FAAPMR (Director)</td>
</tr>
<tr>
<td>2 pm-5 pm</td>
<td>1802. Advanced Musculoskeletal Ultrasound of the Shoulder&lt;br&gt;Jaimy C. On Castilo, MD, RMSK, DABRM, FAAPMR (Director)</td>
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</tbody>
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#### FRIDAY, NOVEMBER 15 (CONTINUED)

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 pm-5 pm</td>
<td>1803. Advanced Musculoskeletal Ultrasound of the Shoulder&lt;br&gt;Mary L. Apaft, MD, FAAPMR (Director)</td>
</tr>
<tr>
<td>2 pm-5 pm</td>
<td>1804. Ultrasound Evaluation of Peripheral Nerves&lt;br&gt;Amit Bhargava, MD, FAAPMR (Director)</td>
</tr>
<tr>
<td>2 pm-5 pm</td>
<td>1805. Ultrasound Guidance for Chemodenervation Procedures: Upper Limb&lt;br&gt;Katharine E. Altar, MD, FAAPMR; Michael C. Munin, MD, FAAPMR (Directors)</td>
</tr>
</tbody>
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#### SATURDAY, NOVEMBER 16

<table>
<thead>
<tr>
<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
<td>8 am-11 am</td>
<td>1807. Fundamental Ultrasound of the Lower Extremity&lt;br&gt;Prathap Jayaram, MD, FAAPMR; Joshua B. Rothenberg, DO, FAAPMR; Adam J. Suimanski, DO, FAAPMR (Directors)</td>
</tr>
</tbody>
</table>

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<tr>
<th>Time</th>
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</tr>
</thead>
<tbody>
<tr>
<td>8 am-11 am</td>
<td>1808. Ultrasound Guidance for Lower Limb Chemodenervation Procedures&lt;br&gt;Katharine E. Altar, MD, FAAPMR (Director)</td>
</tr>
</tbody>
</table>

Please check the mobile app for the most up-to-date schedule.
IN-TRAINING/EARLY-CAREER PHYSIATRISTS

THURSDAY, NOVEMBER 14

2 pm-3:15 pm
1701. Advocacy from A to Z
ROOM 205, MEETING LEVEL
Justin M. Bishop, MD, MBA, MS (Director)

2 pm-5 pm
1803. Resident Boot Camp 1: Ultrasound - Reviewing Essential Nerve Examination Techniques and Common Joint Injection Views
ROOM 214A, MEETING LEVEL
Donald Kastion, MD, Stephanie Tow, MD, FAAPMR (Directors)

FRIDAY, NOVEMBER 15

8 am-9:15 am
1702. To the Point: Evidence, Evolution, and Experience of Acupuncture
ROOM 205, MEETING LEVEL
Amy L. Tenaglia, MD (Director)

10 am-11 am
1806. Resident Boot Camp 2: Introduction to Upper Extremity Prosthetics/Lower Extremity Orthotics and Prosthetics
ROOM 214A, MEETING LEVEL
Stephanie Tow, MD, FAAPMR; Julie E. Witkowski, MD (Directors)

10 am-11:15 am
1703. Mastering Leadership Competencies for Early Career and Beyond
ROOM 008A, RIVER LEVEL
Vishrav Raj, MD, FAAPMR (Director)

PHIT FEST (CONTINUED)

5:30 pm-6:30 pm
PHIT Reception
HEMISFAIR BALLROOM, BALLROOM LEVEL
Before you head to Cowboys Dancehall for the President’s Reception, spend an hour networking with your peers while enjoying appetizers and drinks. Resident and Fellow-in-Training registration fees include admittance to this reception.

SATURDAY, NOVEMBER 16

10 am-11:15 am
1705. PHIT Fire: Rapid-Fire Presentations on “Uniting PM&R Through Evidence and Best Practices”
HEMISFAIR BALLROOM, BALLROOM LEVEL
Charles D. Kenyon, DO (Moderator)

2 pm-3:15 pm
1704. Unbiased Physiatric Finances: Considerations for Residents and Early-Career Faculty
ROOM 008A, RIVER LEVEL
Matthew J. McLaughlin, MD, MS, FAAPMR (Director)

2 pm-5 pm
1817. Resident Boot Camp 3: Spasticity Management - Reviewing Chemodenervation Techniques including the Use of Ultrasound Guidance and Baclofen Pump Management
ROOM 214A, MEETING LEVEL
Stephanie Tow, MD, FAAPMR; Justin L. Wepner, DO, FAAPMR (Directors)
Thank you to our sponsors!

5 pm-6:15 pm
Chief Residents’ Meeting
GRAND HYATT SAN ANTONIO, LONESTAR C, 2ND LEVEL
Hear chief residents share best practices, learn the “ins and outs” of PM&R residency operations, and participate in an interactive dialogue. This is another great opportunity to build your network of lifelong colleagues.

NEW! RESEARCH HUB

THURSDAY, NOVEMBER 14

12:30 pm-7 pm
AAPM&R’s Research Hub in the PM&R Pavilion is the ONLY place where you’ll discover the highest quality of PM&R research—all from your physiatry peers!

Live Theater—Top Research Abstracts
You’re invited to see 50+ authors present the best-of-the-best research at the live theater stage of the Research Hub.

THURSDAY, NOVEMBER 14

12:30 pm-1:15 pm
Research Spotlight: Practice Management and Leadership
Joseph E. Hornyak, MD, PhD, FAAPMR (Moderator)

1:30 pm-2:15 pm
Research Spotlight: General Rehabilitation
Nitin B. Jain, MD, MSPH, FAAPMR (Moderator)

2:30 pm-3:15 pm
Research Spotlight: Spine and Pain Medicine
Mark I. Ellen, MD, FAAPMR (Moderator)

FRIDAY, NOVEMBER 15

10 am-10:45 am
Research Spotlight: Neurological Rehabilitation
Joseph E. Hornyak, MD, PhD, FAAPMR (Moderator)

11 am-11:45 am
Research Spotlight: Musculoskeletal and Sports Medicine
Alexios G. Carayannopoulos, DO, MPH, FAAPMR (Moderator)

12 pm-1:15 pm
Best Cases in Musculoskeletal and Sports Medicine
Samuel K. Chu, MD, FAAPMR (Moderator)

2 pm-2:45 pm
Research Spotlight: Late-Breaking Research
Joseph E. Hornyak, MD, PhD, FAAPMR (Moderator)

SATURDAY, NOVEMBER 16

9:30 am-10:45 am
Integrating Top Pediatric Rehabilitation Research in Practice: A Review of the Most Clinically-Influential Papers
Matthew J. McLaughlin, MD, MS, FAAPMR (Session Director)

Visit pages 26-31 for additional research sessions.

Lunch-Time Presentations
Listen to 50+ presenters as they discuss their research, results, and case presentations through their electronic posters displayed at kiosks within the Research Hub. Topic areas include: general rehabilitation, musculoskeletal and sports medicine, neurological rehabilitation, pediatrics, practice management, quality improvement, and spine and pain.

THURSDAY, NOVEMBER 14

12:30 pm-2 pm
12:30 pm-2 pm
12:30 pm-2 pm

AT YOUR LEISURE—ALL E-POSTERS
Explore e-posters at your own pace by using the self-directed digital kiosks.

UNITING PM&R THROUGH EVIDENCE & BEST PRACTICES
Advancing Physiatry’s Future: Cancer Rehabilitation Medicine Learning Collaborative

Saturday, November 16
2 pm-5 pm
GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL

Cancer Rehabilitation Medicine (CRM) is a relatively new focus area for PM&R. While we know the physiatrist provides immense value to the oncological care team, if you asked 5 different oncologists what a CRM physiatrist does, you’ll likely get 5 different answers. It’s time to gather input and define the core services and commonalities across all CRM specialists. Send your input as we work to define the future of cancer rehabilitation medicine.

Advancing Physiatry’s Future: Musculoskeletal Medicine Learning Collaborative

Friday, November 15
8 am-11 am
GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL

Through physiatrist input, we heard that increased alignment with Primary Care is a huge opportunity for MSK physiatrists to provide appropriate care earlier in the patient’s care continuum. In order to best align with Primary Care, we need to engage in dialogues to understand how they are positioning themselves in the new health care landscape. To jump-start the conversation, we’re bringing in a speaker to discuss the future of Primary Care with an emphasis on medical home neighborhoods and other models. Consider this 3-hour Learning Collaborative part dialogue, part working session, and all crucial to your success as a front-line partner for musculoskeletal care.

Teamwork Makes the Dream Work.

Attend 1 of 4 PM&R BOLD Learning Collaboratives. These 3-hour sessions dive deep into dialogue with your peers. Are you considering changes to your practice? What barriers are you facing? What have you tried that has been successful or unsuccessful? What can you learn from your peers working through the same challenges?

More information about PM&R BOLD and opportunities to get involved can be found at: BOLD.aapmr.org.
Current Openings

Penn State Health Milton S. Hershey Medical Center is committed to the provision of comprehensive physical medicine and rehabilitation programs and services to maximize the health, function and quality of life to those we serve, ultimately returning those persons to their communities. Applications are now being accepted for the following positions:

Consult Physiatrist – This position involves a diverse and exciting consult service including inpatient and outpatient neurosciences, trauma, hematology/oncology, organ transplant and pediatrics programs. MD/DO required; must be BC/BE in PM&R.

General Physiatrist – This position involves primarily inpatient rehabilitation, with additional outpatient musculoskeletal clinics, procedures, EMGs and/or spasticity management depending on your interests. MD/DO required; must be BC/BE in PM&R.

Pediatric Physiatrist – Provide inpatient and outpatient pediatric rehabilitation care in our 10 bed specialized pediatric unit within the Penn State Hershey Rehabilitation Hospital, as well as perform consults at Penn State Health Milton S. Hershey Medical Center. Position includes coverage of a concussion clinic, neuromuscular disease clinic, spina bifida clinic as well as other OP clinics as discussed. Candidates should be proficient with spasticity management. MD/DP required; must be BC/BE in PM&R and Pediatric Rehabilitation Medicine.

Successful applicants for these positions will be expected to contribute to the mission areas of patient care, education and research. Penn State Health Rehabilitation Hospital offers flexible schedules, manageable call and a team-oriented approach to patient care. A competitive salary and an excellent benefits package await you!

Located in Hershey, Pennsylvania, we offer a great place to live, work, play and learn. Home of Hershey’s chocolate, the Hershey community is rich in history and is a short distance from major cities including Baltimore, New York City, Philadelphia, Pittsburgh and Washington DC. The local neighborhoods boast a reasonable cost of living whether you prefer a more suburban setting or thriving urban setting rich in theater, arts and culture. We are proud of our community involvement and encourage you to learn more about our organization by visiting our website at PennStateHershey.org.

For immediate consideration, please send curriculum vitae to:
Ashley Nippert, Physician Recruiter
Email: anippert@pennstatehealth.psu.edu
Tel: 717-531-0003 x320184

Penn State Health
Milton S. Hershey Medical Center

The Penn State Health Milton S. Hershey Medical Center is committed to professional, equal opportunity and work-life balance. We also maintain a smoke-free campus. We believe in the development of our employees. We believe in diversity and inclusion of all people and environments and are committed to a workplace that is free of all forms of discrimination. This commitment extends to every level of employment, and therefore to every qualified applicant, in all areas of employment, including hiring, promotion and training.

President’s Reception at Cowboys Dancehall

Join our Boot Scootin’ BBQ!

President’s Reception at Cowboys Dancehall

Saturday, November 16

7 pm-10 pm

Wondering what to do Friday night? Join your fellow attendees and enjoy exclusive access to Cowboys Dancehall for our President’s Reception! Stop by the registration desk on the Street Level to get your tickets to experience this famous concert hall, where you will enjoy food, entertainment, and fun—Texas style.

What’s included in your ticket?

★ A BBQ dinner.
★ Live country band and line dancing.
★ Have your photo taken on top of a live Texas longhorn steer.
★ Billiards and other bar games will be available all evening.

Shuttles will begin departing at 6:30 pm from the convention center at the intersection of Bowie and Market streets (see map below for boarding location). Transportation will rotate between Cowboys Dancehall and the convention center throughout the event, so you can come and go as you please.

Tickets to the President’s Reception are $50 for attendees, non-attendee guests, and children. Children under 3 are free.

Thank You to Our Sponsor!

★ ★ Don’t miss the party ★ ★

Tickets are limited and sold on a first-come, first-served basis. Please check with the registration desk for availability.
Penn Physical Medicine and Rehabilitation

As the first program of its kind in the nation, Penn PM&R has pioneered some of the most essential treatments and technological advancements for rehabilitation medicine. That spirit of progress fosters an environment for our faculty to optimize patient outcomes, advance research, and elevate PM&R education.

- Penn Medicine has been named #2 on Forbes magazine’s first-ever “America’s Best Employers for Women” list, and #6 in the Forbes list of Best Employers in the US.
- Our new nanotechnology initiative in PM&R in partnership with the Penn Singh Center, under the direction of Dr. Flavia Vitale, holds great promise for new rehabilitation technologies.

There are exciting things happening at Penn PM&R. To learn more about the ways we are advancing care, research and academics, visit PennMedicine.org/PMR.

To inquire about joining our faculty, please visit https://www.med.upenn.edu/fapd.

The Oasis

Thursday, November 14-Saturday, November 16
MEETING LEVEL

Looking for a place to take a break from it all? The Oasis is the perfect spot to relax, catch up on email, meet other attendees or join your peers in games.

Career Corner

Visit the Career Corner booth #1537 in the PM&R Pavilion to connect with industry experts and colleagues who will answer your career-related questions and provide advice about navigating all aspects of physiatry. We will also be offering sessions for CV reviews and fellowship advice. Flip to page 47 to learn more.

Welcome Reception

Thursday, November 14
5 pm-7 pm
EXHIBIT HALL 4AB, STREET LEVEL

Mingle with your peers for drinks and hors d’oeuvres, while building your professional and social networks. The Welcome Reception provides a valuable opportunity to meet your fellow attendees and exhibitors, as well as catch up with old friends in a relaxed social setting. Guests and children must be registered for admittance to this event.

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STATE SOCIETY MEETINGS
GRAND HYATT SAN ANTONIO

THURSDAY, NOVEMBER 14
7 pm-8 pm
Ohio Society of PM&R
PRESIDIO A, 3RD LEVEL

7 pm-8:30 pm
Fall Meeting of the Indiana Society of Physical Medicine and Rehabilitation
TRAVIS A, 3RD LEVEL

7 pm-9 pm
South Carolina Society of PM&R
TRAVIS B, 3RD LEVEL

ALUMNI RECEPTIONS
GRAND HYATT SAN ANTONIO

THURSDAY, NOVEMBER 14
7 pm-9 pm
All Michigan Statewide Reception at AAPM&R
BOWIE B, 2ND LEVEL

7:30 pm-10 pm
Mount Sinai Health System Alumni Reception/AAPM&R
PRESIDIO C, 3RD LEVEL

SATURDAY, NOVEMBER 16
6:30 pm-8 pm
University of Colorado PM&R Resident and Fellow Alumni Event
TRAVIS D, 3RD LEVEL

6:30 pm-8:30 pm
Baylor College of Medicine Alumni Reception
TRAVIS B, 3RD LEVEL

Rusk Rehabilitation Reunion
PRESIDIO C, 3RD LEVEL

UT Health San Antonio Alumni Reception
REPUBLIC A, 4TH LEVEL

UT Southwestern Medical Center
SEGUIN A, 4TH LEVEL

VA Greater Los Angeles/UCLA PM&R and Pain Fellowship Alumni Reception
TRAVIS A, 3RD LEVEL

AAPM&R Mayo Alumni Reception 2019
PRESIDIO B, 3RD LEVEL

Montefiore Medical Center
BOWIE A, 2ND LEVEL

NewYork Presbyterian - The University Hospitals of Columbia and Cornell Annual Alumni Reception
CROCKETT C, 4TH LEVEL

Spaulding Rehabilitation Hospital/Harvard Medical School Department of PM&R Reception
BOWIE C, 2ND LEVEL

7 pm-9:30 pm
Jefferson Faculty, Alumni and Resident Reception
BOWIE A, 2ND LEVEL

University of Washington Department of Rehabilitation Medicine Alumni Event
REPUBLIC C, 4TH LEVEL

7 pm-10 pm
MedStar NRH Alumni and Friends Reception
REPUBLIC B, 4TH LEVEL

Temple/Moss PM&R Residency Program
PRESIDIO A, 3RD LEVEL

7:30 pm-10 pm
JFK Johnson Rehabilitation Institute, Rutgers-Robert Wood Johnson Medical School
CROCKETT D, 4TH LEVEL

JFK JOHNSON REHABILITATION INSTITUTE
The Leader in Providing Quality Rehabilitation Care

Named Best Rehab Facility
- More than 40 years of providing quality rehabilitation to obtain optimal function and independence.
- Comprehensive Inpatient, Outpatient Adult and Pediatric Rehabilitation Services

Accreditation Council for Graduate Continuing Medical Education (ACGME) Programs Includes:
- Physical Medicine & Rehabilitation Residency Program
- Pain Medicine Fellowship
- Brain Injury Medicine Fellowship

Specialized Care:
- Amputation
- Brain Injuries
- Neurological Disorders
- Stroke
- Balance Disorders
- Cardiopulmonary Disorders
- Orthopedics

Hackensack Meridian Health
JFK Johnson Rehabilitation Institute

JFKJohnson.org | 732-321-7733
Stop by the PM&R Pavilion to see the best-of-the-best from more than 175 product and service providers, pharmaceutical and device companies, rehabilitation providers, and more! The PM&R Pavilion is the central hub where attendees come to network, find innovative solutions to their practice needs and challenges, and get ahead on the latest education in the interactive Learning Center, the new Research Hub, and during Lunch and Learn presentations. No registration is required for any of these activities—just stop on by!

**Hours**
- **Thursday, November 14**
  - 12:30 pm-7 pm (Welcome Reception from 5 pm-7 pm)
- **Friday, November 15**
  - 9 am-3:45 pm
- **Saturday, November 16**
  - 9 am-12:45 pm

**What to Do in the Pavilion**
- Explore more than 175 exhibiting organizations and learn about the products and services they offer to assist you and your patients.
- Experience hands-on education in the Learning Center—visit page 34.
- Attend the live Research Hub presentations in the Learning Center—visit page 37.
- Receive advice at the Career Corner—visit page 47.
- Enjoy Lunch and Learn Presentations and Sponsored Educational Forums—visit page 49.
- Explore more than 175 exhibiting organizations and network with your peers.
- Grab lunch on Thursday, Friday, and Saturday, and attend the live Research Hub presentations in the Learning Center—visit page 37.
- Attend the Career Corner—visit page 47.
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**Two Lunch Options***

1. **Grab N’ Go**: Enjoy complimentary lunch while walking around and seeing the latest innovations. Lunch will be provided on Thursday and Friday from 12:30 pm-2 pm and on Saturday from 11:15 am-12:45 pm.
2. **Lunch and Learn Presentations**: Grab a bite to eat and further your education. These 60-minute sessions are presented by thought-leaders and include relevant scientific information. They also provide attendees with in-depth information on specific disease states and clinical patient solutions. Lunch and Learn are independent from the Academy and do not offer CME credit. View the full schedule on page 49.

**Medical Affairs Booths**

**Why do some pharmaceutical companies have 2 exhibit booths in the PM&R Pavilion?**

Sometimes, you’ll see that pharmaceutical companies have 2 exhibit booths in the PM&R Pavilion, or a separate booth within a booth. One is often designated as “Medical Affairs.” Medical Affairs booths are independent from commercial booths. Staffed by Medical Science Liaisons (MSLs), Medical Affairs booth staff are in attendance to answer your clinical questions, including any off-label questions you may have. Staff at commercial booths are not allowed to discuss off-label uses of their products.

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MANAGING OPIOID-INDUCED CONSTIPATION
Translating Guidelines Into Patient Care

THURSDAY NOVEMBER 14
7:00 am–11:15 am 12:30 pm–1:00 pm 2:00 pm–5:00 pm
FRIDAY NOVEMBER 15
7:00 am–11:30 am 1:45 pm–5:00 pm
SATURDAY NOVEMBER 16
7:00 am–12:15 pm 1:45 pm–5:00 pm

Program occurs throughout the day EVERY MINUTES 30

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

TARGET AUDIENCE
The educational design of this activity addresses the needs of physiatrists, pain specialists, and other clinicians involved in the identification and multidisciplinary management of patients with opioid-induced constipation (OIC).

EDUCATIONAL OBJECTIVES
After completing this activity, the participant should be better able to:
• Describe the clinical profiles and prescribing recommendations for FDA-approved medications for OIC.
• Discuss recent updates to national evidence-based guidelines on the management of OIC.
• Tailor bowel regimens for patients with opioid-treated chronic pain who do not respond adequately to traditional laxative therapy.

ABIM MOC Recognition Statement
Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 15 medical knowledge MOC points in the American Board of Internal Medicine’s (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider’s responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Physician Accreditation Statement
This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Global Education Group (Global) and Integritas Communications. Global is accredited by the ACCME to provide continuing medical education for physicians. This CME/CPE activity complies with all requirements of the National Board of Medical Examiners’ (NBME) Educational Activities Recognition Requirements (EAR-R). It is the responsibility of the provider to ensure continuing medical education that is relevant, fair, and free of commercial bias. This activity is planned to be relevant to the needs of the intended audience. The American Board of Internal Medicine (ABIM) needs this activity to be relevant and fair. The activity is also planned to be relevant to the needs of the intended audience. This activity is planned to be relevant and fair. This activity is planned to be relevant to the needs of the intended audience. This activity is planned to be relevant and fair. This activity is planned to be relevant and fair.

Artist’s Note
This activity is jointly presented by Global Education Group and Integritas Communications.

Check this out on the Meeting Level near the Member Solution Center!
Our primary needs associated with spinal cord injury and disease and general wellness inventory, and assistance with insurance authorization. The comprehensive approach includes individualized consulting and providing the physician, their staff, and community professionals on homeopathic medicines. Funded in 1966, California has been enhancing the quality of services in medical rehabilitation through standards reflecting best practices and leadership in the field internationally. CARF focuses on helping providers implement an internal process of continuous quality improvement and person-centered services to achieve outcomes by persons served.

**Boiron, world leader in homeopathic medicines, is best known for Oscillococcinum, a top-selling flu medicine, and its Arnica line of pain relievers. Since 1932, Boiron has committed to funding scientific research and educating the public and health care professionals on homeopathic medicines.**

Brooks Rehabilitation  
[www.brooksrehab.org](http://www.brooksrehab.org)

Foundation has been serving the Southeast region for more than 40 years. A non-profit organization based in Jacksonville, FL, Brooks operates a coordinated system of health care, including one of the nation’s largest inpatient rehabilitation hospitals, skilled nursing, home health care, 28 outpatient clinics, research division, assisted living, and memory care.

Bryan Maew Rehab Hospital  
[www.lmnieal health.org/BryanMaewRehab](http://www.lmnieal health.org/BryanMaewRehab)

Bryan Maew Hospital, a 148-bed acute care rehab hospital and a member of Main Line Health in Philadelphia’s suburbs, is a leader in the field of physical medicine and rehabilitation.

Burge Rehabilitation Hospital  
[www.burge.org](http://www.burge.org)

Patient navigation and care coordination. Patients receive an interdisciplinary approach to care to promote independence as well as maximize function and community integration.

**CIR Systems, Inc./GAITrite®**  
[www.gaitrite.com](http://www.gaitrite.com)

GAITrite®’s Portable Gait Analysis System automates measuring temporal spatial parameters of gait. The rollout electronic walkway can be laid over flat surfaces: connects PC USB port; up to two cameras high. It is the most advanced, most accurate device. GAITrite®’s rollout walkway: minimal setup (1 min); quick, easy; accurate data collection, walkway measurement.

**Cleveland Clinic**  
[www.ccf.org](http://www.ccf.org)

Employing more than 1,200 rehabilitation professionals, Cleveland Clinic features a fully operational disease-based care delivery system. All Cleveland Clinic PM&R doctors work side-by-side with world-class specialists from our medical schools who share their subspecialty interests. Cleveland Clinic’s unique health care delivery system helps patients maintain good health and improve their function.

**2019 LaVine Award**

The Alliance for Physician Certification and Advancement (APCA)®, the largest inpatient medical rehabilitation hospital on the west coast, is a partnership between Cedars-Sinai, UCLA Health, and Select Medical offering cutting-edge care to patients by specializing in the treatment of brain and spinal cord injuries, stroke, neurological disorders, cancer, and other medical conditions.

**California Rehabilitation Institute**  
[www.californiarehabilitationinstitute.com](http://www.californiarehabilitationinstitute.com)

The largest inpatient medical rehabilitation hospital on the west coast, is a partnership between Cedars-Sinai, UCLA Health, and Select Medical offering cutting-edge care to patients by specializing in the treatment of brain and spinal cord injuries, stroke, neurological disorders, cancer, and other medical conditions.

**Calmoseptine, Inc.**  
[www.calmoseptine.com](http://www.calmoseptine.com)

Calmoseptine® promotes Calmoseptine® Ointment for the prevention and treatment of minor cuts, abrasions, burns from moisture such as urinary and fecal incontinence. It also provides effective relief for irritations, wound drainage, fecal, and vaginal fistulae and feeding tube site leakage. Calmoseptine® Ointment temporarily relieves discomfort and itching.

**CAREstream America**  
[www.carestreamamerica.com](http://www.carestreamamerica.com)

**CARF International**  
[www.carf.org](http://www.carf.org)

As the world’s first CARF-accredited cancer program and one of the most advanced rehabilitation provider systems in the nation, Carolinas Rehabilitation treats brain and spinal cord injury, stroke, cancer, pediatric and other injuries and diseases in the inpatient and outpatient settings.

**Carolinas Rehabilitation**  
[www.carf.org](http://www.carf.org)

CIR Systems, Inc./GAI**

**CIR Systems, Inc./GAI**

**Children’s Healthcare of Atlanta Rehab Services**  
[www.choa.org/rehab](http://www.choa.org/rehab)

**Children’s Healthcare of Atlanta, Inpatient Rehabilitation, offers therapy designed for pediatrics, adolescents, and young adults (birth through young adulthood) to address needs after an illness or a traumatic injury.** Patients receive an interdisciplinary approach to care to promote independence as well as maximize function and community integration.
PLEASE JOIN US FOR AN INTERACTIVE PRESENTATION
Sponsored by Ipsen Biopharmaceuticals, Inc.

Learn About a New Treatment Option for Pediatric Spasticity

Thursday, November 14, 2019 • 12:45 PM - 1:45 PM

Location: Lunch & Learn B, Exhibit Hall
Henry B. González Convention Center
American Academy of Physical Medicine and Rehabilitation Annual Meeting

Speaker: Sally Evans, MD
Pediatric Neurologist
Children’s Hospital of Philadelphia (CHOP)

Visit Booth 901

LocumTenens.com
www.locumtenens.com
Founded in 1995, LocumTenens.com is a full-service staffing agency serving physicians and advanced practice professionals in all health care settings.

Logistics Health Incorporated
www.logisticshealth.com
LHI is dedicated to serving our nation’s military and veterans. We design and manage workforce health programs, veteran disability examinations, and secure data management for government agencies. We consider it our duty to deliver health care solutions to those who keep America safe and running.

Mary Free Bed Rehabilitation Hospital
www.maryfreebed.com
Mary Free Bed Rehabilitation Network is committed to helping patients regain independence following serious injury or illness. Our network of collaborative organizations expands access to Mary Free Bed’s comprehensive services with an exclusive focus on rehabilitation, enabling our clinicians to achieve outstanding clinical outcomes.

Mayo Clinic
www.mayoclinic.org

MedStar National Rehabilitation Network
www.MedStarHRH.org
MedStar National Rehabilitation Network (MedStar NRH) is a regional system of rehabilitation care that offers inpatient, day treatment, and outpatient services in Washington D.C., Maryland, Virginia, and Delaware. We provide programs to aid in the rehabilitation of adults and children recovering from neurologic and orthopedic conditions.

Medtronic
www.professional.medtronic.com
As a global leader in medical technology, services, and solutions, Medtronic improves the lives and health of millions of people each year. We use our deep clinical, therapeutic, and economic expertise to address the complex challenges faced by health care systems today. Let’s take health care further. Together.

Merz Pharmaceuticals, LLC
www.merzusa.com
Merz Neurosciences is dedicated to delivering a better total experience to patients and physicians in neurosciences. We strive to deliver meaningful treatment options and a better patient experience in order to meet the needs of each person we serve. Merz Neurosciences is an important contributor to the U.S. neurosciences space, offering a well-balanced product portfolio.

MimeDx
www.mimedx.com
MimeDx® is a biopharmaceutical company developing, manufacturing, and marketing regenerative biologic therapies utilizing human placental allografts and patient-protected processes for multiple sectors of health care. MimeDx is the leading supplier of placental tissue allografts, supplying over 1 million allografts for a variety of applications in many sectors of health care.

Miner/Mason & Associates
www.minermason.com
We are the oldest search firm recruiting only physiatrists. Due to our longevity, focus, and dedication, we understand the rehab arena better than other recruiting firms. By working closely with a wide range of physicians, administrators, and management-level clinicians, we have built a strong reputation and many trusting relationships.

MossRehab
www.mossrehab.com
MossRehab, ranked among the nation’s top 10 rehabilitation hospitals by U.S. News & World Report, is a global pioneer in the use and research of rehabilitation robotics. Our outcomes surpass regional and national averages for patients with brain injury, spinal cord injury, stroke and neurological diagnosis, amputation, and musculoskeletal conditions.

Motorika USA
www.motorika.com
Motorika develops and commercializes robot-assisted solutions to help restore or maintain upper and lower limb mobility that is inherent to a better quality of life. Neuro, the company’s flagship product helps “retrain the brain” after neurological or orthopedic injury, improving function, accelerating motor recovery, and providing better clinical outcomes.

Mount Sinai Health System
www.mountsinai.org

Movendo Technology SRL
www.movendo.technology
Movendo Technology is a biomedical company, financed by Dompé Farmaceutici Group, that designs and produces innovative robotic technologies for rehabilitation using the know-how within the Italian Institute of Technology, a research center leader in robotics, neuroscience, nanotechnology, renewable energies, graphene, and computation.

Multi Radiance Medical
www.multiradiance.com
Multi Radiance manufactures FDA-cleared laser therapy devices for drug-free pain relief. Used by multiple health care disciplines as well as professional sports for managing injuries and maximizing recovery; and the only therapeutic lasers validated in-vivo, in-vivo, in laboratory trials, and clinical trials.

MyndTec, Inc.
www.myndtec.com

Myomo
www.myomo.com
Myomo® develops MyoPro®, a powered upper limb orthosis designed to restore function to the weakened or paralyzed arms of patients suffering from stroke, brachial plexus injury or other neuromuscular disease or injury. Sensing EMG signals through non-invasive sensors on the arm, it can restore the ability to perform activities of daily living.

Myoscience
www.myoscience.com
Myoscience, the creator of the iovera® system, is a medical technology company that has harnessed the natural heating power of cold to develop the Focused Cold Therapy™ delivery system for the treatment of peripheral nerves for the blocking of pain. The iovera® system is the first and only minimally invasive pain treatment to provide immediate results without the use of injections or oral medications.

NASS
www.spine.org
The North American Spine Society (NASS) is a global multidisciplinary medical society that utilizes education, research, and advocacy to foster the highest quality, ethical, value, and evidence-based spine care for patients. New applicants may apply for a free 2019 membership.

National Health Rehabilitation
www.nationalhealthrehab.com
National Health Rehabilitation is a national PM&R physician group, providing acute physiatry care in the sub-acute rehabilitation setting. Our mission is to maximize functional potential, reduce pain, and optimize patient’s quality of life.

Nature-Fit
www.nature-fit.com
Nature-Fit helps “retrain the brain” after neurological or orthopedic injury, improving function, accelerating motor recovery, and providing better clinical outcomes.

Natus Neuro
www.natus.com
Natus Neuro is a global market leader that provides diagnostic, therapeutic, and surgical solutions built on a strong heritage in neurodiagnostics, neurological care, and neurosurgery. Natus Neuro delivers clinician-led products that improve outcomes and enhance care for neuro patients through leading-edge equipment, service, education, and supplies.
Navigating towards a new future.
Congratulations
Hackensack Meridian Health JFK Johnson Rehabilitation Institute is proud to support the American Academy of Physical Medicine & Rehabilitation as they present the 2019 Distinguished Member Award to our colleague and friend
Sara Cuccurullo, M.D. for her exceptional efforts and contributions toward promoting the field of PM&R through her leadership, teaching, research and compassion for patients.

Life years ahead
Hackensack Meridian Health JFK Johnson Rehabilitation Institute
JFKJohnson.org

EXHIBITOR PROFILES

QTC Medical Services, A Leidos Co.
www.qtcm.com
QTC, a Leidos Company, is the largest private provider of government-sourced occupational health and disability examination services in the nation.
Quinn Medical | Thusaue USA
www.thusaueusa.com
Quinn Medical offers a full line of spinal compression braces with its innovative SLEEQ Spinal Therapy System. Due to its breakthrough InnoAdjust™ Technology, SLEEQ fits the vast majority of patients with only a single model. It’s elegant, easy-to-use, and patient friendly design offers best-in-class comfort for improved patient compliance and outcomes.
Rancho Los Amigos National Rehab Center
www.rancho.org
Regenexx
www.regenexx.com
Regenexx® is the world’s most advanced stem cell and blood platelet procedures for treating orthopedic injuries, arthritis, and other degenerative conditions. Our patented procedures use precise injections of your own stem cells or platelets to help your body’s ability to heal damaged muscles, tendons, ligaments, cartilage, spinal disc, and bone.
Reha Technology USA
www.rehatechnology.com
Reha Technology is a leader in advanced medical robotic technologies for rehabilitation of upper and lower extremity neurological movement disorders. Reha Technology’s robotic-assisted therapy devices maximize functional clinical outcomes for adult and pediatric patients with neurological impairments resulting from stroke, traumatic brain spinal cord injuries, and more.
RGS Healthcare
www.rgshealthcare.com
For more than 10 years, RGS Healthcare has assisted physicians with the smooth implementation of ultrasound and c-arms into their practices. By us having access to multiple brands and manufacturers, we have the insight knowledge to recommend the best solution that fits both your clinical and budgetary requirements.
Rochester Electro-Medical, Inc.
www.advantage-med.com
Rochester (Lifescan), is a company committed to the development, marketing, and sale of innovative products and accessories for Cardiology, Patient Monitoring, and Neurodiagnostics providing one of the most robust and diverse product lines in ECG, SpO2, NIBP, IBP, EMG, EEG, IOM, PSG, ED, and Cath Labs.
Rusk Rehabilitation at NYU Langone Medical Center
www.nyu.org
Rusk Rehabilitation at NYU Langone Medical Center provides the full spectrum of inpatient and outpatient rehabilitation care for a wide range of conditions in patients of all ages. Rusk is the world’s first university-affiliated facility devoted entirely to rehabilitation medicine.
RxFunction, Inc.
www.rxfunction.com
RxFunction’s® pleased to show our Walkasins® wearable lower limb sensory neuroprosthesis for individuals with peripheral neuropathy who have gait and balance impairments, RxFunction has recently registered and listed Walkasins with the FDA, but Walkasins is yet not available for sale.
Sao Therapeutics
www.saostrx.com
Sao Therapeutics (pronounced “Sail”) is a privately-held specialty pharmaceutical company focused on providing therapies to patients with serious medical conditions. Sao is the new strategic partner with Medtronic in the advancement of ITB Therapy™ (intrathecal baclofen therapy) with Lioness™ Intrathecal (baclofen) injection.
Select Medical Corporation
www.selectmedical.com
Select Medical, one of the nation’s leading providers of post-acute care, features a network of 26 inpatient rehabilitation hospitals. This growing network brings together the highest levels of care to help individuals with brain and spinal cord injuries, stroke, neurological disorders, amputation, cancer, and orthopedic conditions rebuild their lives.
Select Rehabilitation Hospital
www.sanantonio-rehab.com
Shepherd Center
1418 www.shepherd.org
Shepherd center, located in Atlanta, Georgia, specializes in medical treatment, research, and rehabilitation for people with spinal cord injury, brain injury, multiple sclerosis, spine and chronic pain, and other neuromuscular conditions. Shepherd Center is ranked by U.S. News & World Report among the top 10 rehabilitation hospitals in the nation.
Shirley Ryan AbilityLab
1300 www.sralab.org
Shirley Ryan AbilityLab, formerly the Rehabilitation Institute of Chicago (RIC), is the global leader in physical medicine and rehabilitation for adults and children with the most severe, complex conditions. We are leaders in the field with our care and research designated the “No. 1 Rehabilitation Hospital in America” by U.S. News & World Report.

EXHIBITOR PROFILES

356
280
537
1211
611
1036
500
537
611
360
523
360
728
619
628
1418
1300
59
The Children’s Healthcare of Atlanta pediatric rehabilitation services are accredited by the Commission on Accreditation of Rehabilitation Facilities (CARF).

At our Scottish Rite hospital, we offer:

- An expansive Inpatient Rehabilitation Program
- A spinal cord system of care and brain injury and pediatric specialty programs that have received CARF specialty recognition
- A team of board-certified pediatric physiatrists and nurse practitioners specializing in acute physical and rehabilitation needs of pediatric patients
- A dedicated therapy and rehabilitation team
- Comprehensive care for young patients from birth to age 21
- Therapy seven days a week
- 28 private patient rooms
- A Day Rehabilitation Program to assist patients during recovery
- Technology-assisted therapy through our Center for Advanced Technology and Robotic Rehabilitation
- A full-service hospital, with emergency services that were recognized by the Magnet Recognition Program®
- Technology-assisted therapy through our Center for Advanced Technology and Robotic Rehabilitation
- An expansive Inpatient Rehabilitation Program
- Facilities (CARF).

Southcentral Foundation

www.southcentralfoundation.com/employment/physician-opportunities

Our Nuka Model of Care offers a wide variety of services to our customers including Traditional Healing, Complementary Medicine (Massage Therapists, Acupuncturists, and Chiropractors), as well as a large Health Education Department. We are co-managers of the Alaska Native Medical Center, which is the tertiary care center for the Native population in the state of Alaska.

Spaulding Rehabilitation Network

www.spauldingrehab.org

The Spaulding Rehabilitation Network is anchored by Spaulding Rehabilitation Hospital Boston, which is nationally ranked by U.S. News & World Report and is the official teaching hospital of the Harvard Medical School Department of Physical Medicine and Rehabilitation. Spaulding’s mission is to provide exceptional patient care, promote medical education, and advance research.

Spine Intervention Society

www.spineintervention.org

The Spine Intervention Society has more than 2,800 members internationally. Today, over 1,000 physical medicine and rehabilitation physicians rely on SIS to help ensure patient access to quality care. SIS membership is your key to staying at the top of your game.

SPR Therapeutics, Inc.

www.sptrtherapeutics.com

Styku

www.styku.com

Terason

www.terason.com

Terason revolutionizes ultrasound with our high-performance portable systems, now with SuperHarmonic Imaging, and our unique features and functionality, including exclusive open architecture and ENV. These complete ultrasound solutions optimize workflow and increase productivity for everyday clinical needs.

TerSera Therapeutics LLC

www.tersera.com

Jazz Pharmaceuticals plc (NASDAQ: JAZZ) is an international biopharmaceutical company focused on improving patients’ lives by identifying, developing, and commercializing meaningful products that address unmet medical needs. The company has a diverse portfolio of products and product candidates in the areas of sleep, hematology/oncology, and pain.

The Electrode Store

www.electrodestore.com

The Electrode Store is an ISO13485-certified manufacturer and distributor of a wide variety of needle electrodes, surface electrodes, leads, gels, and accessories for EMG and EEG procedures. Products offered include proprietary Electrode Store designs, 3rd party products, and custom-designed products. Competitive prices and quick shipping.

Thera-Trainer USA, LLC

www.thera-trainer.de/en

ThERA-Trainer USA® LLC, situated in Huntington Valley PA, proudly announces the launch of its U.S. operations and its complete line of state-of-the-art solutions for lower extremity, balance, and gait training rehabilitation.

Treloar & Heisel, Inc.

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Treloar & Heisel is the premier financial services provider to dental and medical professionals across the country. We assist thousands of clients from residency to practice and through retirement with a comprehensive suite of financial services, custom-tailed advice, and a strong national network focused on delivering the highest level of service.

Tyromotion GmbH

www.tyromotion.com

Tyromotion GmbH is one of the worldwide leading manufacturers and distributors of robot- and computer-assisted therapy units for the rehabilitation sector. The company focuses on the development of novel technologies based on the use of powerful mechatronic systems for rehabilitation.

U. S. Physiatry, LLC

www.usphysiatry.com

A growing national network of PM&R physicians using evidence-based medicine, cutting edge technology, and collaborative management with post-acute and acute care institutions. USP physicians provide better, more cost-effective rehabilitation care for their patients.

Uniform Data System for Medical Rehabilitation

www.udsmr.org

UDSMR is the originator of the FIM™ instrument and the leader in outcome measurement systems for post acute care. Our data collection, on-demand reporting, and documentation solutions are second to none. We maintain the largest database of medical rehabilitation outcomes, which yields the best benchmarks for case management and quality improvement.

University of Kansas

www.kumc.edu

University of Louisville

www.louisville.edu/medicine/departments/neurosurgery/pm

Frazier Rehab Institute, located in Louisville, Kentucky, provides therapy across a number of specialties for inpatient and outpatient rehab needs. Frazier Rehab works in conjunction with the University of Louisville in the Human Locomotion Research Center and is a member of the NeuroRecovery network.

University of Utah

www.healthcare.utah.edu/rehab

The University of Utah Rehabilitation Center, in Salt Lake City, is a 38-bed inpatient program with CARF specialty-accreditation for Spinal Cord Injury. The Spinal Cord Injury Program is the only CARF-accredited program in Utah and provides the most comprehensive rehabilitation program in the region.

Unity Point Health - Yunken Rehabilitation

www.unitypoint.org

A growing national network focused on delivering the highest level of care, promote medical education, and advance research.

University of Louisville

www.louisville.edu/medicine/departments/neurosurgery/pm

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University of Utah

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Unity Point Health - Yunken Rehabilitation

www.unitypoint.org

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University of Louisville

www.louisville.edu/medicine/departments/neurosurgery/pm

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University of Utah

www.healthcare.utah.edu/rehab

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University of Louisville

www.louisville.edu/medicine/departments/neurosurgery/pm

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University of Utah

www.healthcare.utah.edu/rehab

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Meet the world's first mechatronic stance and swing phase control orthosis system (SSCO®), which controls both the stance and swing phase hydraulically with microprocessor sensor technology. For patients with neurological conditions affecting their legs, C-Brace supports the user during the entire gait cycle and adapts to everyday situations in real-time. It's time to step into the future.

- Request a C-Brace Trial at professionals.ottobockus.com/c-brace

**Don’t Miss the Foundation for PM&R Activities**

**Donor Lounge**  
- Thursday, November 14-Saturday, November 16  
- 8 am-5 pm  
- PARK VIEW TERRACE, MEETING LEVEL

Check out this new benefit for top donors, including those who commit to give $1,000/year for the next 5 years. There will be comfortable seating, Wi-Fi, and beverages available.

**Donor Appreciation Reception**  
(by invitation only)  
- Thursday, November 14  
- 7:30 pm-9 pm  
- GRAND HYATT SAN ANTONIO, LONESTAR A, 2ND LEVEL

Join your colleagues for cocktails and hors d’oeuvres! The Foundation will present $100,000 in research grant awards. Hear from the recipients about their Foundation-funded research.

**Proof of the Pudding Debate**  
- Thursday, November 14  
- 9 pm-10 pm  
- GRAND HYATT SAN ANTONIO, LONESTAR A, 2ND LEVEL

Enjoy coffee and dessert while George Chang Chen, DO, Zachary McCormick, MD, FAAPMR, and Byron J. Schneider, MD, FAAPMR debate the merits of various epidural steroid injection techniques for LBP with radial leg pain. George Kevorkian, MD, FAAPMR will moderate.

**Rehab 5k Run/Walk & Roll and Residency Program Challenge**  
- Friday, November 15  
- 6:30 am  
- HEMISFAIR PARK

Join in the fun or just come to cheer on your residency program in this 5k fundraising event. On-site registration is available at the Foundation booth in the PM&R Pavilion on Thursday or at the race site from 6 am-6:20 am.

**Presentation of Foundation for PM&R Awards and Grants**  
- Saturday, November 16  
- 12:45 pm-1:45 pm  
- HEMISFAIR BALLROOM, BALLROOM LEVEL

During the 51st Walter J. Zeiter Lecture and Awards Video Presentation, the Foundation will be recognizing their Fall 2019 research grant award winners who are receiving more than $100,000 in support.

**Presentation of Results from the 2018 Nadler Research Grant Winner**  
- Saturday, November 16  
- 3:30 pm-4:45 pm  
- ROOM 217B, MEETING LEVEL

Ellen Casey, MD, FAAPMR, of the Hospital for Special Surgery will present the results of her 2018 Scott F. Nadler PASSOR Research Grant study, “Differential Effect of Oral Contraceptives on the Structure and Function of Ligament and Tendon.”
Make your hospital a better place for rehabilitation

We offer a complete solution to:

- have the highest standard for your patients
- work economically
- achieve best results with existing resources
- implement guidelines in everyday clinical practice
- achieve satisfaction by clear therapy structures

Benefit from our proven expertise and experience...

... and visit us at AAPM&R | San Antonio TX | November 14 to 17, 2019 | booth 1037

or contact us for further information.

THERA-Trainer USA | 2617 Huntingdon Pike | Huntingdon Valley PA 19006
Phone 215 534 5123 | www.thera-trainer.com | info.us@thera-trainer.com
CHRONIC PAIN: UNMET NEEDS, NEW FRONTIERS
PRESENTED BY PFIZER AND LILLY

FRIDAY, NOVEMBER 15, 2019 • 12:45 PM–1:45 PM
(LUNCH WILL BE SERVED)

Henry B. Gonzales Convention Center | Theater A | San Antonio, TX

DESCRIPTION
This Lunch & Learn Presentation will provide an overview of classifications, epidemiology, and treatment guidelines in the management of chronic pain (CP), with a focus on unmet medical needs and the burden of chronic musculoskeletal pain. An in-depth review of the current understanding of CP pathophysiology – the various mediators, their role in central and peripheral sensitization; and an overview of mechanisms of current treatment and mechanistic targets under investigation. Review of best practices in setting, communicating and working with patients toward individual treatment goals in chronic pain.

FACULTY
Jimmy Mali, MD
EmergeOrtho, PA
Durham, NC

Steven P. Stanos, DO
Swedish Health
System Pain Medicine and Services
Seattle, WA

EXHIBITORS BY CATEGORY

PHYSICIAN EMPLOYMENT
Baystate Health
Brooks Rehabilitation
Farr Healthcare
FIO Education
Integrated Rehab Consultants
Integrative Physiatry
Legacy Physiatry Group
LocumTenens.com
Logistics Health Incorporated
Mary Free Bed Rehabilitation Hospital
Miner/Mason & Associates
National Health Rehabilitation
NextLocums
Rhino Medical Services
QTC Medical Services, A Leidos Co.
Sanford Health
Southcentral Foundation
U.S. Physiatry, LLC

PHYSICIAN PROFESSIONAL SERVICES
Integrated Rehab Consultants
Integrative Physiatry
Logistics Health Incorporated
Myoscience
Miner/Mason & Associates
National Health Rehabilitation
NextLocums
Physician Life Care Planning
Post Acute Medical, LLC
Pt Pal
Treloar & Heisel, Inc.
U.S. Physiatry, LLC
University of Louisville

PUBLISHERS
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Pain Medicine News
Wolters Kluwer

REGENERATIVE MEDICINE
AcCELLerated Biologics, LLC
Arthrex, Inc.
Foundation for the Advancement of Wound Care
Lipogems
MiMedx
Organogenesis Surgical & Sports Medicine
Pain Care Labs
Regenexx

REHABILITATION PROGRAMS
Baylor Scott & White Institute for Rehabilitation
Brooks Rehabilitation
Bryn Mawr Rehab Hospital
Burke Rehabilitation Hospital
California Rehabilitation Institute
CARF International
Carolina Rehabilitation
Children’s Healthcare of Atlanta Rehab Services
CIR Systems, Inc./GaTriTe
Cleveland Clinic
CuraMedix, LLC
DIERS Medical Systems
EB Neuro SPA
Encompass Health
Gaylord Specialty Healthcare
Gorbel, Inc.
Hanger Clinic
Integrated Physiatry
JFK - Johnson Rehabilitation Institute
Kennedy Krieger Institute
Kessler Institute for Rehabilitation
Mary Free Bed Rehabilitation Hospital
MedStar National Rehabilitation Network
MossRehab
Mount Sinai Health System
Movenda Technology SRL
National Health Rehabilitation
Ochser Health System
Penn State Health Milton S. Hershey Medical Center
ProtoKinetics Gait Analysis Walkways
Reha Technology USA
Restorative Therapies
Rusk Rehabilitation at NYU Langone Medical Center
Saol Therapeutics
Select Medical Corporation
Select Rehabilitation Hospital
Shepherd Center
Shirley Ryan AbilityLab
Spaulding Rehabilitation Network
Thera-Trainer USA, LLC
Tyromotion GmbH
UF Health Rehab Hospital
Uniform Data System for Medical Rehabilitation
Unity Point Health - Younker Rehab

SPASTICITY MANAGEMENT
Basic Home Infusion
Bryn Mawr Rehab Hospital
Carolina Rehabilitation
Children’s Healthcare of Atlanta Rehab Services
Flowonix
Ipsen Biopharmaceuticals, Inc.
JFK - Johnson Rehabilitation Institute
Medsoronic, Inc.
MossRehab
Pentec Health
Restorative Therapies
Saol Therapeutics
Shepherd Center
University of Louisville

ULTRASOUND DEVICES AND SUPPLIES
7D Imaging
APCA
Arthrex, Inc.
Cadwell Laboratories, Inc.
FujiFilm Sonosite
GE Healthcare
Konica Minolta Healthcare Americas, Inc.
Natus Neuro
Philips
IGS Healthcare
Stryker
TeraSon
Zehm Imaging
Rusk Insights on Rehabilitation Medicine

PODCAST FOR PM&R PROFESSIONALS

Various topics covered, including but not limited to:
• Improving navigation in brain injury patients
• Integrative medicine approach in pediatric care
• Intersection of cardiac rehabilitation, mHealth, and telemedicine

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Rusk Rehabilitation at NYU Langone Health is the world’s first university-affiliated facility devoted entirely to rehabilitation medicine, and has been voted the best rehabilitation hospital in New York and among the top ten in the country by U.S. News & World Report since it began its rankings.
CORPORATE SUPPORT

INDUSTRY’S PARTICIPATION AT THE ANNUAL ASSEMBLY IS IMPORTANT AND VALUABLE FOR MANY REASONS

Physicians use industry’s products and services to care for our patients

Nearly every tool, service, intervention or medication we use to care for our patients and run our practices was developed and provided to us by industry, often with our physician involvement. Some examples include pharmaceuticals, devices, EHRS, wearable technology, and more. As the developers of new medical products and services, industry is in the unique position to provide us with cutting-edge information regarding new innovations in medicine.

Industry participation provides significant financial support

Not only does industry serve as a valuable educational resource to attendees, they also provide important financial support to AAPM&R, enabling our organization to achieve its established mission and vision while limiting the financial burden on its members.

Look at industry’s presence at our meeting through a refreshed lens

Since many physicians have limited interactions with industry outside of the Annual Assembly, attendees can learn about advances in medicine by engaging with our industry partners in the PM&R Pavilion and at Lunch and Learn Presentations. Think of it as an additional educational resource that extends your learning “beyond the classroom” as ways to learn about new or expanded ways of improving the care you provide patients or your practice.

AAPM&R takes compliance seriously

AAPM&R’s Board of Governors (BOG) and AAPM&R’s Corporate Relations Committee (CRC) are committed to maintaining valued industry relations without compromising the independence and credibility of AAPM&R activities and programs. As such, the Academy, officers, faculty, and staff follow guidelines, policies, and processes that are based on, and usually surpass recommendations from the following organizations:

- The Accreditation Council for Continuing Medical Education (ACCME)
- American Medical Association (AMA)
- The Council of Medical Specialty Societies (CMSS)
- Companies are also required to follow local, state, and federal laws as well as policies set forth by other applicable governing bodies.

Additionally:

- AAPM&R, its officers, and staff do not endorse or promote any company or product involved in this year’s Annual Assembly.
- AAPM&R publicly discloses corporate support received on www.aapmr.org on a quarterly basis to foster transparency.
- AAPM&R develops all educational content without the influence of industry.

INDUSTRY AT THE AAPM&R ANNUAL ASSEMBLY

The BOG and CRC would like to take a moment to inform you of various ways industry involvement is included in this year's Annual Assembly.

AAPM&R CME Programming

AAPM&R is an accredited provider (with accreditation) of certified medical education (CME) by the ACCME. As such, AAPM&R develops and provides CME activities that are free from the influence, bias, and input of industry. AAPM&R has the sole responsibility of selecting program topics, Faculty, and planning program content and has established policies and guidelines for disclosing and resolving relevant financial relationships and conflicts.

Educational Grants and In-Kind Support

AAPM&R obtains financial support from industry for CME activities through educational grants. AAPM&R also obtains in-kind support from industry through educational grants. In these cases, AAPM&R secures equipment or products from industry for use during hands-on CME activities.

For all educational grants, companies sign letters of agreement (LOA) documenting strict compliance with all established guidelines and policies, including the fact that they are not involved in content development. AAPM&R will acknowledge and disclose all corporate sponsors, sponsors, and relationships, but does not endorse any companies or their products or services.

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Lunch and Learn Presentations

AAPM&R allows (for a fee) industry to host Lunch and Learn Presentations, which are independent, non-CME sessions offered at the Annual Assembly.

Satellite Symposia

AAPM&R allows third-party sponsored CME activities called Satellite Symposia. The third-party often garners support for their activity from industry. This third-party CME provider is required to follow all guidelines outlined by ACCME. AAPM&R does not control or endorse the content of these activities.

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Exhibiting companies pay a fee to exhibit their products and services.

Advertising

Companies that advertise pay a fee to include an advertisement in AAPM&R’s publications.

Sponsorships

Companies sometimes provide monetary support for AAPM&R in the form of a product, service or event (i.e., banners, lanyards, receptions, etc.).

Ready to step up your game?

The University of Iowa Department of Orthopedics and Rehabilitation have current positions for spine physiatrists and an injector. If you have the skills and mindset to provide exceptional patient care, inspired teaching, and innovative scholarship, we want you on our team. Learn more at jobs.uiowa.edu or send your CV and letter of interest to:

Philip Chen, M.D.
Clinical Assistant Professor of Orthopedics and Rehabilitation
Email philip.chen@uiowa.edu
Web medicine.uiowa.edu/orthopedics

The University of Iowa Department of Rehabilitation Science is a vibrant and growing area with current and future funding for research. Our department is committed to health and wellness, and our faculty, staff, and students have diverse research interests, including outcomes measurement, physical therapy, orthopedics, stroke, sports medicine, cancer rehabilitation, and aging.

For more information about AAPM&R policies, which focus on relationships with industry, CME, disclosure, transparency, and compliance, please email corporatesupport@aapmr.org.
AAPM&R is the national medical specialty society representing physical medicine and rehabilitation physicians. To learn more about AAPM&R or to join, visit www.aapmr.org.

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AAPM&R is the only organization advancing more than 9,000 practicing and in-training physiatrists and the care they offer to a diverse patient population. As the premier medical society for the specialty, AAPM&R is leading physiatry’s impact throughout health care and is the voice for PM&R. You can play a role in transforming the specialty by becoming an AAPM&R member.

Stop by the Member Solution Center to speak with an AAPM&R staff member. We’d love to hear your thoughts and answer any questions you may have.
THANK YOU FOR ATTENDING #AAPMR2019!

For more physiatry-focused learning, explore our educational events happening next year:

**Next Step Interventional Ultrasound: Hands-On PM&R Applications Course**
February 21-22, 2020
Downers Grove, IL

**Navigating the Opioid Crisis: Perils, Pitfalls, and Practical Solutions Course**
May 1-2, 2020
Nashville, TN

**STEP Spasticity Certificate Program**
May 29-30, 2020
Chicago, IL

**Leadership Institute Business and Administration Program: Part 1**
May 15-17, 2020
Evanston, IL

**Navigating Early-Career Decisions for Success in Physiatry Practice Courses (2 options!)**
March 14-15, 2020
April 3-4, 2020
Seattle, WA
New York, NY

**Leadership Institute Business and Administration Program: Part 2**
July 24-26, 2020
Evanston, IL

**Step One: Ultrasound Clinical Applications of the Extremities**
June 5-6, 2020
Downers Grove, IL

**AAPM&R Annual Assembly**
November 12-15, 2020
San Diego, CA

**Next Step Interventional Ultrasound: Hands-On PM&R Applications Course**
August 2020
Downers Grove, IL

Thank you for attending #AAPMR2019!

For more physiatry-focused learning, explore our educational events happening next year:

Get these events on your calendar and learn more at www.aapmr.org/calendar.
Membership in AAPM&R is about YOU advancing.

HERE’S HOW:

Expand Your Clinical and Practice Expertise:
- Participate in STEP Certificate Programs on ultrasound and interventional spasticity
- Get the latest in evidence-based medicine direct from your peers at the Annual Assembly
- Explore the best in PM&R digital learning on mē® (me.aapmr.org)

Get Involved in Your PM&R Community:
- Raise your hand for volunteer opportunities
- Join a Member Community (or several!) that aligns with your interests
- Participate in Learning Collaboratives to advance our BOLD vision for physiatry

Further Develop Your Career:
- Find opportunities on the Job and Fellowship Board
- Discover fellowship programs on our Find a Fellowship Program Directory
- Develop leadership skills with our Leadership Institute
- Asking questions and seek advice on PhyzForum

Stay Up-to-Date on the Latest Physiatry News:
- PM&R publications delivered weekly and monthly
- In-depth research articles delivered monthly via the PM&R Journal
- Access to 50+ valuable position statements and white papers focused on PM&R

The result is Team Physiatry winning.
AAPM&R is focused on advancing the vision for physiatry. We are implementing transformations across the organization to support members, developing new resources, and BOLDLY stepping up our advocacy on behalf of physiatry and the patients we serve. We’re in this together, and we will be successful as we compete in the future of health care!

Be an active member of Team Physiatry in 2020 and maximize the value of your investment. Engage in forward-thinking discussions, get the best in PM&R-focused training to successfully compete and win, and give back to your specialty and help it advance. Visit www.aapmr.org/renew.

A Training Incentive
Renew your dues for 2020 before the December 31 renewal deadline and you’ll automatically be entered to win an Apple Watch. Stop by the Registration Desk to renew today!
A LIFETIME OF EXCELLENCE

DR. ALBERTO ESQUENAZI
The John Otto Haas Chair of Physical Medicine and Rehabilitation, MossRehab

2019 Frank H. Krusen, MD, Lifetime Achievement Award Recipient

MossRehab has stood as an industry pioneer in rehabilitation, technology, and physical therapy techniques for more than 100 years. This year at AAPM&R, Dr. Esquenazi will receive the Frank H. Krusen, MD, Lifetime Achievement Award for his three decades of extraordinary contributions in the field. The entire MossRehab family is deeply honored by this recognition and eager to continue its groundbreaking work for many years to come.

1900 – MossRehab opens
1909 – The first electromechanical prosthetic arm developed at MossRehab in collaboration with PHILCO
1928 – Frank Krusen founds Department of Rehabilitation at Temple University, home of MossRehab’s residency program
1969 – The first electromechanical prosthetic arm developed at MossRehab
1982 – Clinical Gait Laboratory established
1986 – The Dr. Krusen Lifetime Achievement Award established – Dr. Esquenazi joins MossRehab
1992 – Moss Rehabilitation Research Institute established
1993 – MossRehab first appears on US News & World Report Best Hospital Rankings
2009 – MossRehab first in the U.S. to use the ReWalk motorized exoskeleton robotic technology
2019 – MossRehab named top-10 Best Hospital for 10 years running – Dr. Esquenazi receives Krusen Lifetime Achievement Award
2020 – MossRehab celebrates 120 years and more to come