

# UNITING PM&R THROUGH EVIDENCE & BEST PRACTICES

## OFFICIAL PROGRAM

Connect on Social Media Using #AAPMR2019



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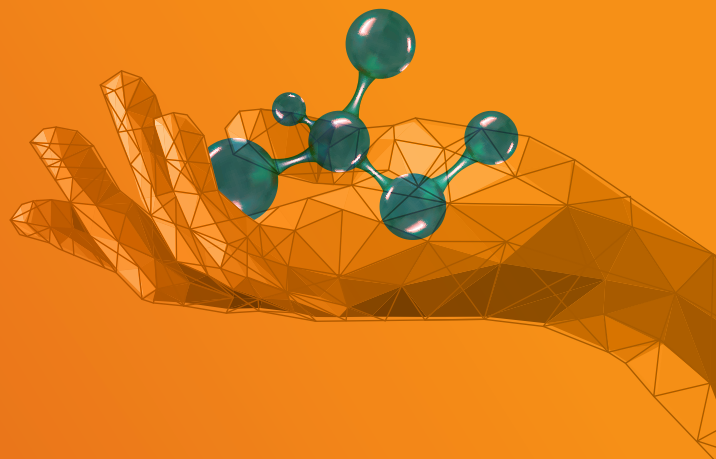
Download the mobile app  
at [www.aapmr.org/app](http://www.aapmr.org/app).



# aapm&r

ANNUAL ASSEMBLY 2019

NOVEMBER 14-17, 2019 • SAN ANTONIO, TX







# One of the Nation's Best Rehabilitation Hospitals for a Reason

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](http://MedStarNRH.org)



MedStar National  
Rehabilitation Hospital



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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](http://www.aapmr.org/app)**  
to find download instructions.

*Thank You to Our Mobile App Sponsor!*



**SPAULDING**  
REHABILITATION NETWORK





# 2, 4, 6, 8... WHO DO WE APPRECIATE? OUR VOLUNTEERS!

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](http://www.aapmr.org/volunteer).



**Your Academy.  
Powered by Volunteers.**  
[www.aapmr.org/volunteer](http://www.aapmr.org/volunteer)

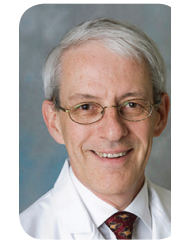
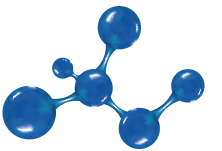


Your 2019 AAPM&R Membership Committee

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.



## WELCOME TO SAN ANTONIO FOR AAPM&R'S ANNUAL ASSEMBLY!



Thank you for joining us at psychiatry'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 psychiatry without your BOLD engagement and perspective! And of course, make sure to celebrate your colleagues during Psychiatry 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!

**Peter C. Esselman, MD, FAAPMR**  
2019 AAPM&R President



### Thank You to the AAPM&R Program Planning Committee

**Rachel A. Brakke Holman, MD, FAAPMR, Chair**

Matthew D. Adamkin, MD, FAAPMR

Justin M. 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



# Carolinas Rehabilitation

Winner of the  
American Hospital Association  
2019 Quest For Quality Prize



Join us for a special  
cocktail reception { **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 INFORMATION

### 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](http://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 PhyszTalks. 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.

### Internet Access



Complimentary wireless Internet access is available in the Henry B. González Convention Center. Please be considerate of Wi-Fi usage and avoid downloading large files over the network. For Wi-Fi access, please use the following:

**Network:** AAPMR  
**Password:** Physiatry

Thank You  
to Our Wi-Fi  
Sponsor!



### 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](http://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.



IMPORTANT SCHEDULES

Registration and Digital Assistance

Hall 4 West Lobby, Street Level

📅	Wednesday, November 13	1 pm-7 pm
📅	Thursday, November 14	7 am-7 pm
📅	Friday, November 15	7 am-5:30 pm
📅	Saturday, November 16	7 am-5 pm
📅	Sunday, November 17	8 am-11 am

You may begin claiming CME for the preconference courses on Thursday, November 14 at 10 am and for the entire Annual Assembly starting at 12 pm on Friday, November 15. To claim CME, visit [me.aapmr.org](http://me.aapmr.org). For in-person assistance, CME claim stations will be available from 7 am-5 pm on Saturday, November 16 and 8 am-11 am on Sunday, November 17.

Member Solution Center

Park View Terrace, Meeting Level

📅	Wednesday, November 13	1 pm-7 pm
📅	Thursday, November 14	7 am-7 pm
📅	Friday, November 15	7 am-5:30 pm
📅	Saturday, November 16	7 am-5 pm

What Can You Do at the MSC?

- Discover your benefits and renew your 2020 membership dues
- Learn more about Team Psychiatry and how you can play a role in advancing the specialty
- Sign up to participate in a Learning Collaborative on-site
- Pick up your Psychiatry Day t-shirt on Thursday
- Claim your CME
- Sign up for a Member Community
- Explore volunteer opportunities
- Ask questions!

PM&R Pavilion

Exhibit Hall 4AB, Street Level

See page 46 for a full list of activities in the PM&R Pavilion.

📅	Thursday, November 14	12:30 pm-7 pm
📅	Friday, November 15	9 am-3:45 pm
📅	Saturday, November 16	9 am-12:45 pm

Research Hub Presentations

Exhibit Hall 4AB, Street Level

See page 37 for details about the poster presentations.

📅	Thursday, November 14	12:30 pm-4:45 pm
📅	Friday, November 15	9 am-3:45 pm
📅	Saturday, November 16	9:30 am-10:30 am

Speaker Ready Room

Room 209, Meeting Level

Faculty: Use this room to check in at least 3 hours prior to your session(s) and make minor adjustments to your slides.

📅	Wednesday, November 13	1 pm-7 pm
📅	Thursday, November 14	7 am-5 pm
📅	Friday, November 15	7 am-5 pm
📅	Saturday, November 16	7 am-5 pm

Where to Find Your Session Handouts



All handouts will be available in the #AAPMR2019 mobile app and in your Assembly e-newsletters. Printed handouts are not available on-site. Please be considerate of Wi-Fi usage at the convention center and avoid downloading large files over the network.



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 ballroom 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,

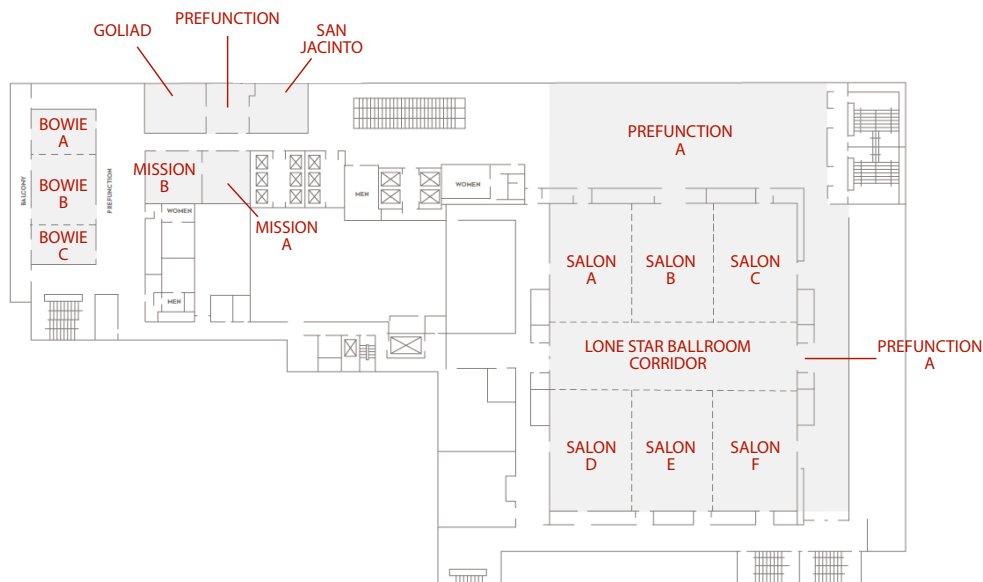
**Sam S. H. Wu, MD, MA, MPH, MBA, FAAPMR**  
Past AAPM&R Board of Governors Member

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.



GRAND HYATT SAN ANTONIO—2ND FLOOR

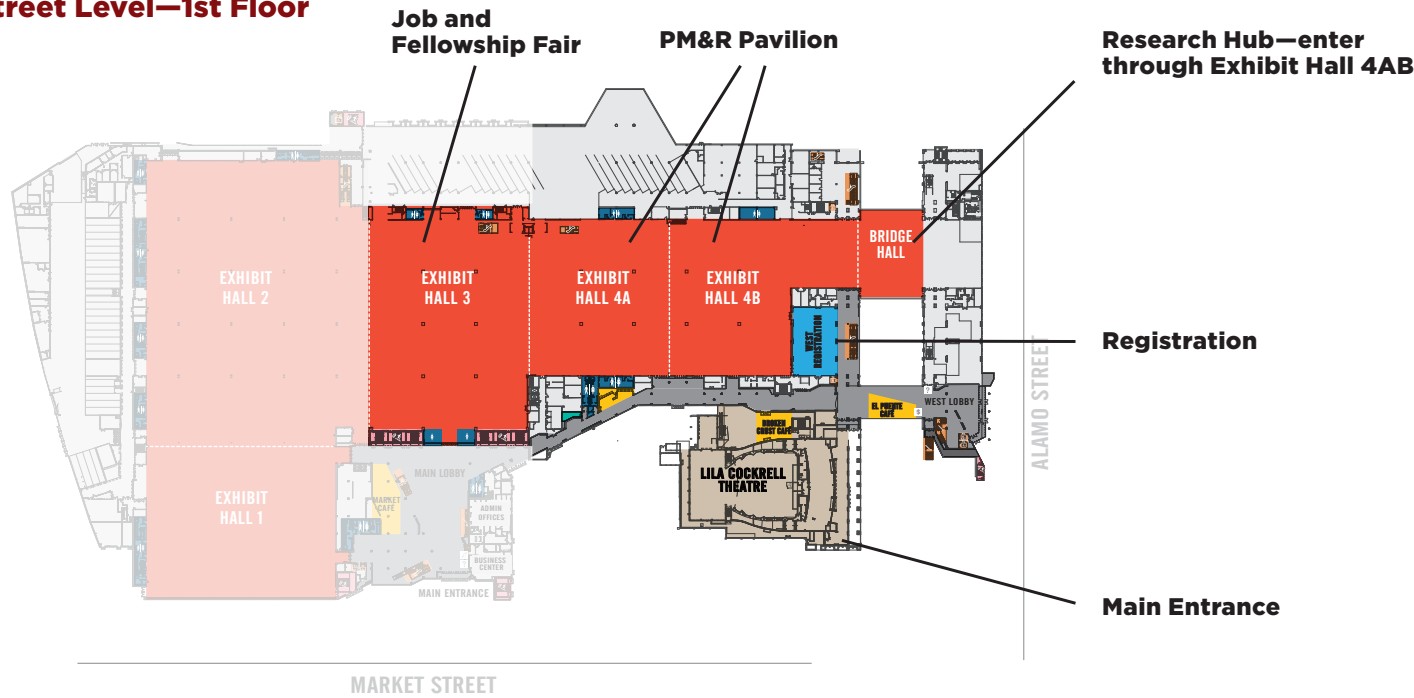


What's Happening at the Grand Hyatt?

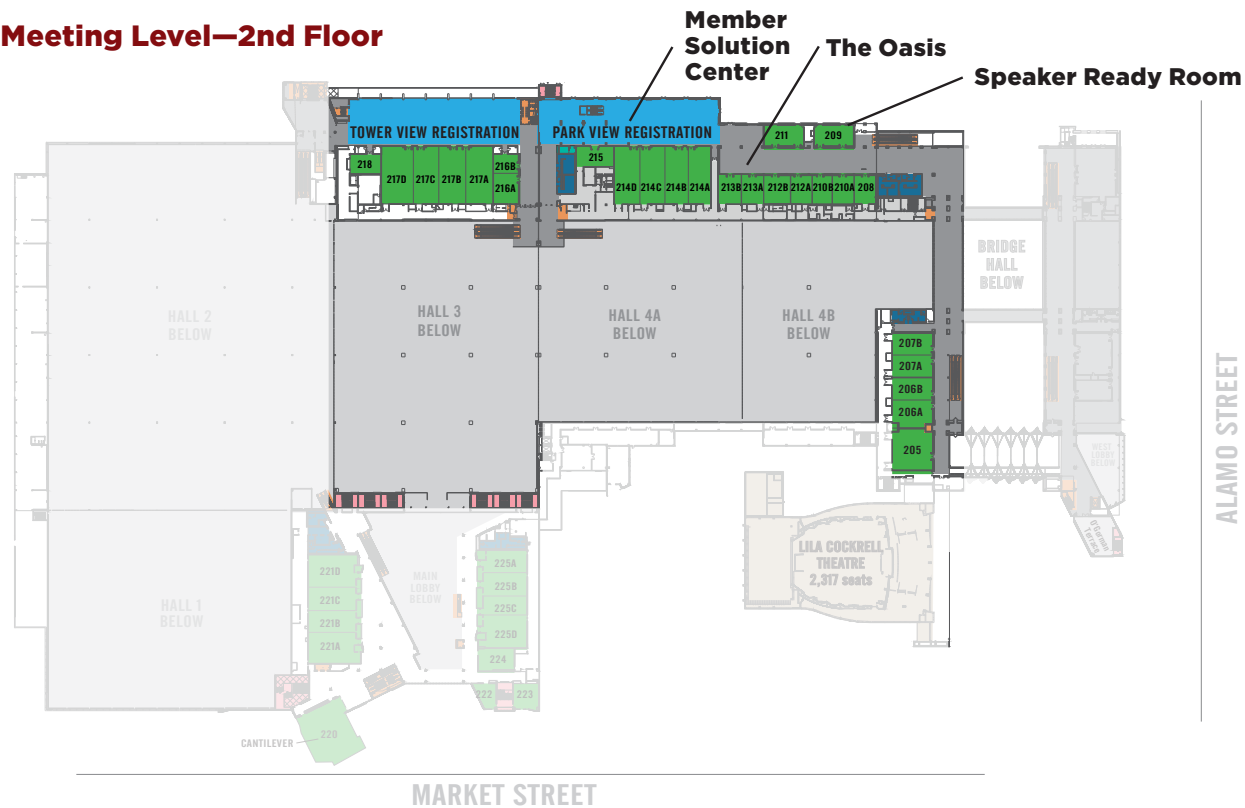
- State Society Meetings
- Alumni Receptions
- PM&R BOLD Learning Collaboratives

HENRY B. GONZÁLEZ CONVENTION CENTER

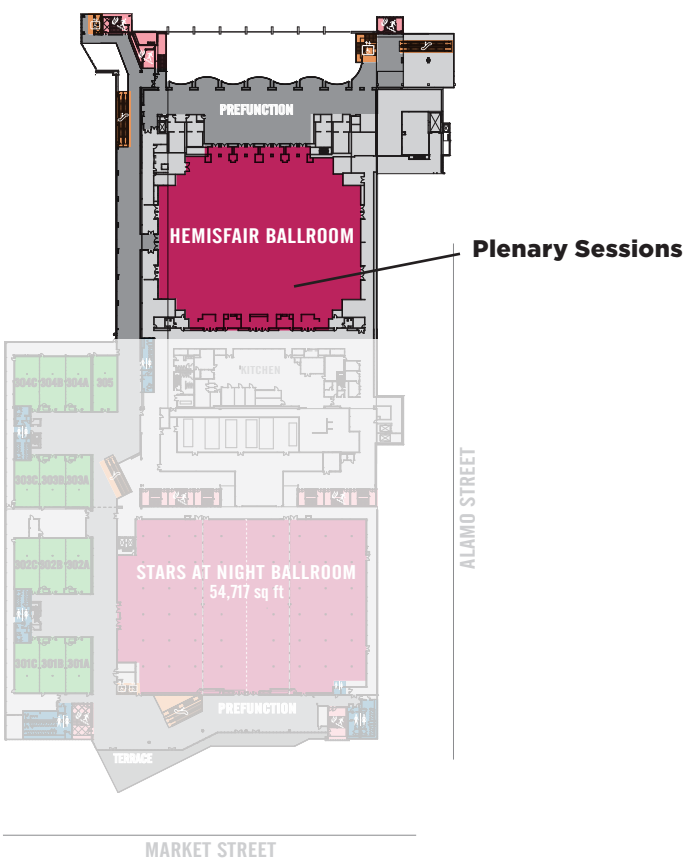
Street Level—1st Floor



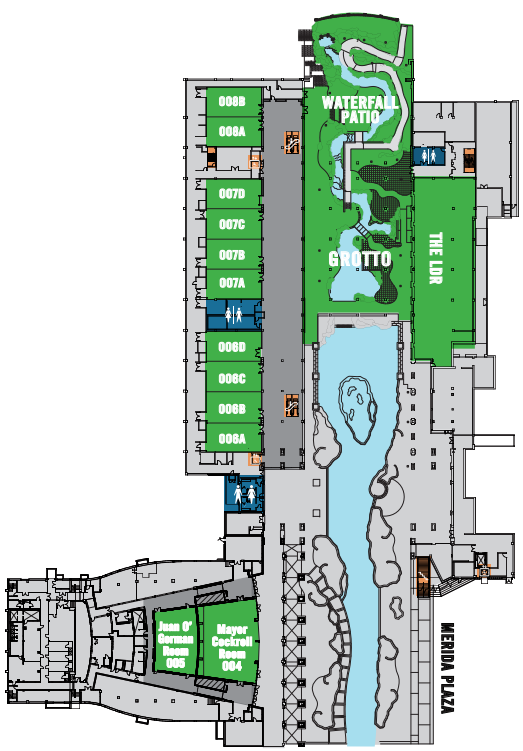
Meeting Level—2nd Floor



Ballroom Level—3rd Floor



River Level—R







# 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](https://BSWRehab.com/Continuum)



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## SCHEDULE-AT-A-GLANCE

TUESDAY, NOVEMBER 12			
8 am-5 pm	<div>PRECONFERENCE COURSES</div> <div><div>Step One: Ultrasound Clinical Applications of the Extremities</div></div>		
WEDNESDAY, NOVEMBER 13			
8 am-5 pm	<div>PRECON</div> <div><div></div><div></div><div></div></div> <div>PRECONFERENCE COURSES</div>		
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	SKILLS LABS	<div>• PM&amp;R Pavilion</div> <div>• Learning Center</div> <div>• Research Hub</div>
3:45 pm-5 pm	CONCURRENT SESSIONS		
5 pm-7 pm	WELCOME RECEPTION IN THE PM&R PAVILION		
FRIDAY, NOVEMBER 15			
8 am-9:15 am	CONCURRENT SESSIONS	SKILLS LABS	<div>• PM&amp;R Pavilion</div> <div>• Learning Center</div> <div>• Research Hub</div> <div><div>Beginning at 9 am</div></div>
10 am-11:15 am	CONCURRENT SESSIONS		
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	SKILLS LABS	
3:45 pm-5 pm	CONCURRENT SESSIONS		
7 pm-10 pm	PRESIDENT'S RECEPTION AT COWBOYS DANCEHALL		
SATURDAY, NOVEMBER 16			
8 am-9:15 am	CONCURRENT SESSIONS	SKILLS LABS	<div>• PM&amp;R Pavilion</div> <div>• Learning Center</div> <div>• Research Hub</div> <div><div>Beginning at 9 am</div></div>
10 am-11:15 am	CONCURRENT SESSIONS		
11:15 am-12:45 pm	LUNCH IN THE PM&R PAVILION/LUNCH AND LEARNS		
11:30 am-12:30 pm	AAPM&R BUSINESS MEETING		
12:45 pm-1:45 pm	PLENARY KEYNOTE		
2 pm-3:15 pm	CONCURRENT SESSIONS	SKILLS LABS	
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		

\*Subject to change

= paid ticket required

SCHEDULE-AT-A-GLANCE



All sessions are held at the Henry B. González Convention Center unless otherwise noted.

TIME	PRECON PRECONFERENCE COURSES	SKILLS LABS
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 214A, MEETING LEVEL  1802. Advanced Musculoskeletal Ultrasound of the Shoulder ROOM 214C, MEETING LEVEL
1 pm–7 pm	REGISTRATION, MEMBER SOLUTION CENTER OPEN	
6:30 pm–9 pm	Job and Fellowship FAIR JOB AND FELLOWSHIP FAIR EXHIBIT HALL 3, STREET LEVEL	

## MEET YOUR CME AND MOC® REQUIREMENTS

### Accreditation

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

### CME Credit Designation

AAPMR 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.

AAPMR 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 (ABPMR) 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

AAPMR 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 AAPMR's Conflict of Interest Disclosure and Resolution Policy Process.

TIME	
7 am–7 pm	REGISTRATION, MEMBER SOLUTION CENTER OPEN
7:15 am–8 am	FIRST-TIME ATTENDEE MEET-UP ROOM 207A, MEETING LEVEL
	COMMUNITY DAY SESSIONS
8 am–11 am	Cancer Rehabilitation Medicine ROOM 008A, RIVER LEVEL Central Nervous System ROOM 007A, RIVER LEVEL Exercise as Medicine ROOM 213A, MEETING LEVEL Medical Educators ROOM 216, MEETING LEVEL Pain Medicine ROOM 006A, RIVER LEVEL Pediatric Rehabilitation ROOM 206A, MEETING LEVEL Running Medicine ROOM 207A, MEETING LEVEL Women Physiatrists ROOM 217C, MEETING LEVEL
8 am–9:15 am	Performing Arts Medicine ROOM 217B, MEETING LEVEL Philippine American Physiatrists ROOM 205, MEETING LEVEL
9:15 am–9:45 am	REFRESHMENT BREAK
9:45 am–11 am	African American Physiatrists ROOM 205, MEETING LEVEL Overhead Athlete ROOM 217B, MEETING LEVEL Sports Medicine Fellowship ROOM 217A, MEETING LEVEL
11 am–11:15 am	TRANSITION BREAK
11:15 am–12:30 pm	PRESIDENTIAL ADDRESS—PETER C. ESSELMAN, MD, FAAPMR PLENARY KEYNOTE—BONNIE ST. JOHN HEMISFAIR BALLROOM, BALLROOM LEVEL
12:30 pm–2 pm	GRAB N' GO LUNCH IN THE PM&R PAVILION
12:45 pm–1:45 pm	LUNCH AND LEARN PRESENTATIONS IN THE PM&R PAVILION

See pages 14-15 for the remainder of Thursday's schedule.

## 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.





TIME	CLINICAL SYMPOSIA	PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIA	SKILLS LABS	LEARNING CENTER / RESEARCH HUB	PM&R BOLD
2 pm–3:15 pm	1101. Advanced Diagnostic and Interventional Ultrasound: Taking it to the Next Level [MSK] ROOM 007A, RIVER LEVEL 1201. Stroke Rehabilitation: What's New, Shocking, and Out of the Box? [CNS] ROOM 006A, RIVER LEVEL 1501. Fundamental Approaches to Capturing Physiatric Interventions and Patient-Reported Outcomes (PRO): 2020 Ischemic Stroke and Low Back Pain Pilots in AAPMR's Clinical Data Registry [SPINE AND PAIN] ROOM 205, MEETING LEVEL 1502. CBD, THC, and Medical Marijuana: What Do I Need to Know to Educate My Patients? [SPINE AND PAIN] ROOM 217C, MEETING LEVEL	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 008A, RIVER LEVEL 5014. ABPMR's Transition to Longitudinal Assessment: What Does It Mean for You? ROOM 216, MEETING LEVEL	1803. Resident Boot Camp 1: Ultrasound Reviewing Essential Nerve Examination Techniques and Common Joint Injection Views ROOM 214A, MEETING LEVEL	<b>HANDS-ON DEMONSTRATIONS</b> EXHIBIT HALL 4AB, STREET LEVEL <ul style="list-style-type: none"><li>Sono-Anatomy and Injection Techniques Around the Neck</li><li>Ultrasound Probe: Stethoscope of Sports Medicine Physiatrists, Point of Care, and On-Field Assessment</li><li>AAPMR's Registry Dashboard Demonstration</li><li>Ultrasound-Guided Intrathecal Pump Refills</li></ul>	1601. Advancing PM&R BOLD: Team Physiatry's Game Plan (2 pm-3:15 pm) ROOM 207A, MEETING LEVEL 1602. Advancing Physiatry's Future: Pediatric Rehabilitation Medicine Learning Collaborative (2 pm-5 pm) ROOM 206A, MEETING LEVEL
2 pm–3:30 pm	1401. Electrodiagnosis in the Inpatient Setting [EMG] ROOM 217A, MEETING LEVEL				
3:15 pm–3:45 pm	REFRESHMENT BREAK	REFRESHMENT BREAK			
3:45 pm–5 pm	1102. Pearls for the Sports Medicine Physician [MSK] ROOM 006A, 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 007A, RIVER 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 008A, RIVER LEVEL 1503. The Sacroiliac Joint and Dorsal Ligament Complex: Procedural Considerations and Review of the Evidence [SPINE AND PAIN] ROOM 217C, MEETING LEVEL	1302. The Physiatrist Health Care Advocate: Leadership Strategies for Health Systems, Insurance Companies, and the State House [PRACTICE] ROOM 216, MEETING LEVEL 1303. 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	1804. Ultrasound Evaluation of Peripheral Nerves ROOM 214C, MEETING LEVEL 1805. Ultrasound Guidance for Chemodenervation Procedures: Upper Limb ROOM 214D, MEETING LEVEL	<b>RESEARCH HUB THEATER</b> EXHIBIT HALL 4AB, STREET LEVEL <ul style="list-style-type: none"><li>Research Spotlight: Practice Management and Leadership</li><li>Research Spotlight: General Rehabilitation</li><li>Research Spotlight: Spine and Pain Medicine</li></ul>	
5 pm–7 pm	WELCOME RECEPTION IN THE PM&R PAVILION	WELCOME RECEPTION IN THE PM&R PAVILION			
7 pm	STATE SOCIETY MEETINGS (see page 45 for details)	STATE SOCIETY MEETINGS (see page 45 for details)			



MICHIGAN MEDICINE  
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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](http://pmr.med.umich.edu) and learn about exciting new developments in the department and for details about James Rae Day and Alumni Football Tailgate, September 6 and 7, 2019.

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Sandra Hearn, M.D., Assistant Professor and Program Director with PM&R resident physicians

UW Medicine  
DEPARTMENT OF  
REHABILITATION MEDICINE

# A higher degree of healthcare

We congratulate University of Washington alumnus **Peter Esselman, MD, MPT**, professor and chair, Department of Rehabilitation Medicine, and 2018-2019 president of the American Academy of Physical Medicine and Rehabilitation.

**JOIN US! UNIVERSITY OF WASHINGTON ALUMNI RECEPTION**  
November 16, 7-9 pm | Grand Hyatt | Republic C  
Meet us at the JOB AND FELLOWSHIP FAIR | Booth 418



THE #AAPMR2019 AGENDA—THURSDAY

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TIME	CLINICAL SYMPOSIA		PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIA	SKILLS LABS 	LEARNING CENTER/ RESEARCH HUB	PM&R BOLD
6:30 am	FOUNDATION FOR PM&R 5K RUN/WALK & ROLL <small>HEMISFAIR PARK</small>		FOUNDATION FOR PM&R 5K RUN/WALK & ROLL <small>HEMISFAIR PARK</small>			
7 am-5:30 pm	REGISTRATION, MEMBER SOLUTION CENTER OPEN		REGISTRATION, MEMBER SOLUTION CENTER OPEN			
7 am–9 am	VOLUNTEER OPEN HOUSE <small>EL PUENTE CAFE, WEST LOBBY, STREET LEVEL</small>		VOLUNTEER OPEN HOUSE <small>EL PUENTE CAFE, WEST LOBBY, STREET LEVEL</small>			
8 am-9:15 am	1104. Exercise Across the Rehabilitation Spectrum: Evidence and Implementation <b>[MSK]</b> <small>ROOM 206A, MEETING LEVEL</small> 1105. Extracorporeal Shockwave Therapy. What is the Evidence? <b>[MSK]</b> <small>ROOM 007A, RIVER LEVEL</small> 1203. Rare and Well Done - Unusual Spasticity Management Techniques <b>[CNS]</b> <small>ROOM 006A, RIVER LEVEL</small> 1204. Parkinson’s Disease: The Quintessential Multidisciplinary Rehabilitation Diagnosis <b>[CNS]</b> <small>ROOM 207A, MEETING LEVEL</small> 1404. Cancer-Related Challenges in the Inpatient Rehabilitation Setting <b>[CANCER]</b> <small>ROOM 217B, MEETING LEVEL</small> 1504. Mind-Body Pain Medicine: Reinventing Yourself in a Dynamic Practice Environment <b>[SPINE AND PAIN]</b> <small>ROOM 217C, MEETING LEVEL</small>		1304. Everyone’s a Little Bit Biased (Even Physiatrists) <b>[PRACTICE]</b> <small>ROOM 008A, RIVER LEVEL</small>  1702. To the Point: Evolution, Evidence, and Experience of Acupuncture <b>[IN-TRAINING/EARLY-CAREER]</b> <small>ROOM 205, MEETING LEVEL</small>  5015. ABPMR Town Hall <small>ROOM 216, MEETING LEVEL</small>	1806. Resident Boot Camp 2: Introduction to Upper Extremity Orthotics and Prosthetics <small>ROOM 214A, MEETING LEVEL</small>  1807. Fundamental Ultrasound of the Lower Extremity <small>ROOM 214C, MEETING LEVEL</small>  1808. Ultrasound Guidance for Lower Limb Chemodenervation Procedures <small>ROOM 214D, MEETING LEVEL</small>	<b>HANDS-ON DEMONSTRATIONS</b> <b>EXHIBIT HALL 4AB, STREET LEVEL</b> <ul style="list-style-type: none"><li>AAPM&amp;R’s Registry Dashboard Demonstration</li><li>Improving Your Lumbar Puncture Skills</li><li>Pediatric Electrodiagnosis: Summary and Updates with Live Demonstration of Clinical Approach</li></ul> <b>RESEARCH HUB THEATER</b> <b>EXHIBIT HALL 4AB, STREET LEVEL</b> <ul style="list-style-type: none"><li>Research Spotlight: Neurological Rehabilitation</li><li>Research Spotlight: Musculoskeletal and Sports Medicine</li></ul>	1603. Advancing Physiatry’s Future: Rehabilitation Care Continuum Learning Collaborative (8 am-11 am) <b>GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL</b>
8 am-9:30 am	1505. Spine Imaging Interpretation for the Early-Career PM&R Specialist <b>[SPINE AND PAIN]</b> <small>ROOM 217A, MEETING LEVEL</small>					
9 am-3:45 pm	PM&R PAVILION OPEN		PM&R PAVILION OPEN			
9:15 am-10 am	REFRESHMENT BREAK		REFRESHMENT BREAK			
10 am-11:15 am	1106. Foot and Ankle: An Approach to Orthobiologic Injections <b>[MSK]</b> <small>ROOM 217C, MEETING LEVEL</small> 1107. Clinical Pearls and Current Updates in Pediatric Sports Medicine <b>[MSK]</b> <small>ROOM 207A, MEETING LEVEL</small> 1205. Chronic Traumatic Encephalopathy: Understanding Facts, Caveats, and Practical Discussion with Patients <b>[CNS]</b> <small>ROOM 006A, RIVER LEVEL</small> 1406. Balancing Rehabilitation with Prognosis in Cancer Patients: An Evidence-Based Review of When and How to Intervene <b>[CANCER]</b> <small>ROOM 206A, MEETING LEVEL</small> 1516. Controversies in Spine and Pain Care: A Pro/Con Debate <b>[SPINE AND PAIN]</b> <small>ROOM 217B, MEETING LEVEL</small>		1305. AAPM&R Health Advocacy on the Hill and Beyond: The Current Health Policy Landscape and Academy Advocacy Activities <b>[PRACTICE]</b> <small>ROOM 205, MEETING LEVEL</small>  1405. TelePM&R: Lessons Learned and the Road Ahead <b>[NEW TECHNOLOGIES]</b> <small>ROOM 216, MEETING LEVEL</small>  1611. Pearls and Pitfalls for Submitting a Strong Research Proposal and Journal Manuscript <small>ROOM 217B, MEETING LEVEL</small>  1703. Mastering Leadership Competencies for Early-Career and Beyond <b>[IN-TRAINING/EARLY-CAREER]</b> <small>ROOM 008A, RIVER LEVEL</small>			
10 am-11:30 am	1206. Lower Limb Orthotic Prescription Optimization <b>[CNS]</b> <small>ROOM 217A, MEETING LEVEL</small>					
11:15 am-11:30 am	TRANSITION BREAK		TRANSITION BREAK			

THE #AAPMR2019 AGENDA—FRIDAY

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:

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### 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.




✓

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



✓

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




✓

**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.

Visit **www.physiatryday.org** for more information.

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UNITING PM&R THROUGH EVIDENCE & BEST PRACTICES

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TIME	CLINICAL SYMPOSIA	PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIA	SKILLS LABS	LEARNING CENTER/ RESEARCH HUB	PM&R BOLD
11:30 am-12:30 pm	PLENARY KEYNOTE—CAMARA P. JONES, MD, MPH, PHD HEMISFAIR BALLROOM, BALLROOM LEVEL	PLENARY KEYNOTE—CAMARA P. JONES, MD, MPH, PHD HEMISFAIR BALLROOM, BALLROOM LEVEL			
12:30 pm-2 pm	GRAB N' GO LUNCH IN THE PM&R PAVILION	GRAB N' GO LUNCH IN THE PM&R PAVILION			
12:45 pm-1:45 pm	LUNCH AND LEARN PRESENTATIONS IN THE PM&R PAVILION	LUNCH AND LEARN PRESENTATIONS IN THE PM&R PAVILION			
2 pm-3:15 pm	1108. An Evidence and Best Practice Approach Toward Standardizing Regenerative Rehabilitation [MSK] ROOM 006A, RIVER LEVEL 1109. Youth Running-Strategies for Preventing Injury [MSK] ROOM 007A, RIVER LEVEL 1407. From Population Health to Autonomic Health in the Wearable Age: Decoding the Heart Brain Connection with Heart Rate Variability [EMG] ROOM 206A, MEETING LEVEL 1408. Past, Present, and Future of Pediatric Rehabilitation: Research Updates and State-of-the-Field [PEDIATRICS] ROOM 205, MEETING LEVEL 1507. Neuromodulation for Physiatrists: A Comprehensive Review [SPINE AND PAIN] ROOM 217C, MEETING LEVEL	1306. Supporting Female Colleagues in the Field of PM&R [PRACTICE] ROOM 217B, MEETING LEVEL 1307. 2019 Office Coding & Documentation E/M Updates - Preparing for 2021 [PRACTICE] ROOM 008A, RIVER LEVEL	1809. Pelvic Pain: Clinical Evaluation with Complementary Ultrasonography and Intervention ROOM 214A, MEETING LEVEL  1810. Ultrasound Guidance for Head and Neck Chemodeneration Procedures ROOM 214C, MEETING LEVEL  1811. Interpretation of MRI Knee and Ankle with Ultrasound Correlations ROOM 214D, MEETING LEVEL	HANDS-ON DEMONSTRATIONS EXHIBIT HALL 4AB, STREET LEVEL <ul style="list-style-type: none"><li>Incorporating Commercially-Available Technologies into the Physiatric Practice</li><li>Migraine Management</li><li>5016. ABPMR Longitudinal Assessment (CertLink) Demo</li></ul> RESEARCH HUB THEATER EXHIBIT HALL 4AB, STREET LEVEL <ul style="list-style-type: none"><li>Best Cases in Musculoskeletal and Sports Medicine</li><li>Research Spotlight: Late-Breaking Research</li></ul>	1604. Advancing Physiatry's Future: Cancer Rehabilitation Medicine Learning Collaborative (2 pm-5 pm) GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL  1612. Graduate Medical Education Interactive Summit (1:30 pm-5 pm —invite only) ROOM 005, RIVER LEVEL
2 pm-3:30 pm	1506. Spine Imaging Interpretation for the Experienced PM&R Specialist [SPINE AND PAIN] ROOM 217A, MEETING LEVEL				
3:15 pm-3:45 pm	REFRESHMENT BREAK	REFRESHMENT BREAK			
3:45 pm-5 pm	1110. AMSSM Exchange Lecture: Return to Exercise   Running Postpartum [MSK] ROOM 217B, MEETING LEVEL 1111. Meniscus Update: Evolving Research Models and Clinical Practice [MSK] ROOM 006A, RIVER LEVEL 1207. Managing the Spasticity Team in Challenging Financial Times [SPASTICITY] ROOM 217C, MEETING LEVEL 1409. EMG Express - Using EMG, NCV, and US to Get the Right Answer Right Away [EMG] ROOM 007A, RIVER LEVEL 1508. Vertebral Compression Fractures: Current Guidelines for Treatment [SPINE AND PAIN] ROOM 216, MEETING LEVEL	1308. Multiculturalism in Physiatry: The Business Case and the Clinical Need [PRACTICE] ROOM 206A, MEETING LEVEL 1309. 2020 MIPS: Preparing Your Practice for Reporting and Strategies to Improve Performance [PRACTICE] ROOM 207A, MEETING LEVEL 1310. 2019 Inpatient/SNF Physiatry Reimbursement Hurdles [PRACTICE] ROOM 008A, RIVER LEVEL			
3:45 pm-6:30 pm	PHIT FEST: TOWN HALL; QUIZ BOWL; RECEPTION HEMISFAIR BALLROOM, BALLROOM LEVEL Sponsored by: Allergan Treloar & Heisel, Inc.	PHIT FEST: TOWN HALL; QUIZ BOWL; RECEPTION HEMISFAIR BALLROOM, BALLROOM LEVEL Sponsored by: Allergan Treloar & Heisel, Inc.			
5 pm-6 pm	AAPM&R TOWN HALL ROOM 205, MEETING LEVEL	AAPM&R TOWN HALL ROOM 205, MEETING LEVEL			
7 pm-10 pm	PRESIDENT'S RECEPTION AT COWBOYS DANCEHALL Sponsored by: RUSK REHABILITATION AT NYU LANGONE	PRESIDENT'S RECEPTION AT COWBOYS DANCEHALL Sponsored by: RUSK REHABILITATION AT NYU LANGONE			

ATTEND THESE IMPORTANT AAPM&R BUSINESS EVENTS

AAPM&R Town Hall

Friday, November 15  
5 pm-6 pm  
ROOM 205, 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!

AAPM&R Business Meeting

Saturday, November 16  
11:30 am-12:30 pm  
ROOM 217C, MEETING LEVEL

The AAPM&R Business Meeting is where the Membership Report, the Nominating Committee Report, and bylaws recommendations are formally presented for voting. This includes an amendment to the Advanced Practice Provider (APP) membership bylaws. Attendees will hear a review of 2019 activities and a preview of 2020 initiatives. Only voting members of the Academy may vote, but all members are encouraged to attend.

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-4:30 pm and on Friday/Saturday at 9:30 am-10 am
- Visit [www.aapmr.org/data](http://www.aapmr.org/data)






TIME	CLINICAL SYMPOSIA	PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIA	SKILLS LABS	LEARNING CENTER / RESEARCH HUB	PM&R BOLD
7 am-5 pm	REGISTRATION, MEMBER SOLUTION CENTER OPEN	REGISTRATION, MEMBER SOLUTION CENTER OPEN			
8 am-9:15 am	1112. Best Practices in Gait Analysis: Understanding Normal Gait, Clinical Applications for Runners including Injury Prevention, Prosthetic Innovations, and Return to Running After Lower Extremity Amputation [MSK] ROOM 205, MEETING LEVEL 1113. Advances in Treatment and Prevention of Hamstring Injuries [MSK] ROOM 217B, MEETING LEVEL 1208. It's Not The Pump! It's Your Management [SPASTICITY] ROOM 217C, MEETING LEVEL 1209. Neurogenic Bowel Management in Adults with Spinal Cord Injury - New Clinical Practice Guidelines from the Consortium for Spinal Cord Medicine [CNS] ROOM 207A, MEETING LEVEL 1410. Advances in Neuromuscular Medicine and Rehabilitation Part 1 - Nerve [EMG] ROOM 008A, RIVER LEVEL 1412. Regenerative Medicine in Pediatric and Adolescent Sports Injuries [PEDIATRICS] ROOM 007A, RIVER LEVEL 1509. Intradiscal Therapies: Biologics and Beyond [SPINE AND PAIN] ROOM 206A, MEETING LEVEL	1311. AAPM&R Health Advocacy on the Hill and Beyond: A Town Hall Discussion [PRACTICE] ROOM 216, MEETING LEVEL	1812. Ultrasound-Guided Upper/Lower Extremity Nerve Blocks with Alcohol and Botulinum Toxin Injections in Head, Neck, and Paraspinal Muscles for Spasticity Management ROOM 214A, MEETING LEVEL	<b>HANDS-ON DEMONSTRATIONS</b> EXHIBIT HALL 4AB, STREET LEVEL <ul style="list-style-type: none"><li>AAPM&amp;R's Registry Dashboard Demonstration</li><li>Radial Nerve Injuries: Etiology, Workup, and Prognosis for Recovery with Implications for Treatment</li></ul> <b>RESEARCH HUB THEATER</b> EXHIBIT HALL 4AB, STREET LEVEL <ul style="list-style-type: none"><li>1913. Integrating Top Pediatric Rehabilitation Research in Practice: A Review of the Most Clinically-Influential Papers</li></ul>	Learn more about AAPM&R's BOLD efforts for the specialty at <b>BOLD.aapmr.org</b> .  Stop by the Member Solution Center to see PM&R BOLD in action!
8 am-9:30 am	1210. More Than Just 'Dispo': Using Evidence and Best Practice to Integrate Physiatry into the Neurologic Intensive Care Unit [SPASTICITY] ROOM 217A, MEETING LEVEL				
8 am-4 pm	MEDICAL STUDENT PROGRAM GRAND HYATT SAN ANTONIO, LONESTAR D, 2ND LEVEL AND RESIDENCY FAIR GRAND HYATT SAN ANTONIO, TEXAS A, 4TH LEVEL	MEDICAL STUDENT PROGRAM GRAND HYATT SAN ANTONIO, LONESTAR D, 2ND LEVEL AND RESIDENCY FAIR GRAND HYATT SAN ANTONIO, TEXAS A, 4TH LEVEL		1813. Advanced Sports Ultrasound Pearls ROOM 214C, MEETING LEVEL  1814. Regenerative Injections for Osteoarthritis: A Practical Office-Based Approach ROOM 214D, MEETING LEVEL	
9 am-12:45 pm	PM&R PAVILION OPEN	PM&R PAVILION OPEN			
9:15 am-10 am	REFRESHMENT BREAK	REFRESHMENT BREAK			
9:45 am-11:15 am	1510. An Interactive Session on Finding Best Practices for Regenerative Interventions for Spinal Disorders [SPINE AND PAIN] ROOM 217A, MEETING LEVEL	1312. Population Health, Payment Models, and Predictive Analytics: Opportunities and Challenges for Physiatry Looking Forward in the Era of Value-Based Health Care [PRACTICE] ROOM 205, MEETING LEVEL  1313. Tips and Tricks to Establishing and Maintaining a Successful Clinical Practice in Musculoskeletal/Sports/Spine Medicine in the Current Health Care Environment [PRACTICE] ROOM 217B, MEETING LEVEL  1610. A Program Planning Committee Guide and Q&A Session on Submitting a Strong Proposal for the AAPM&R Annual Assembly (10 am-11 am) ROOM 217C, MEETING LEVEL  1705. PHiT Fire: Rapid-Fire Presentations on "Uniting PM&R Through Evidence and Best Practices" [IN-TRAINING/EARLY-CAREER] HEMISFAIR BALLROOM, BALLROOM LEVEL  5017. Achieving Board Certification: Demystifying the ABPMR Part II (Oral) Examination ROOM 216, MEETING LEVEL			
10 am-11:15 am	1114. Performing Arts Medicine 101: Relevance and Concepts for Physical Medicine and Rehabilitation Clinicians [MSK] ROOM 006A, RIVER LEVEL 1115. Shoulder: An Approach to Orthobiologic Injections [MSK] ROOM 007A, RIVER LEVEL 1211. Where Have All The Brain Injuries Gone?: Biases, Realities, and Solutions [CNS] ROOM 207A, MEETING LEVEL 1411. Advances in Neuromuscular Medicine and Rehabilitation Part 2 - Muscle [EMG] ROOM 008A, RIVER LEVEL 1511. Lumbar Spinal Stenosis: A Physiatry Perspective [SPINE AND PAIN] ROOM 206A, MEETING LEVEL				

THE #AAPMR2019 AGENDA—SATURDAY

## TWO SPECIAL OFFERS FOR OUR BIGGEST FANS

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

\*This is a limited-time offer and it will expire on December 17, 2019. Your 2020 Annual Assembly registration and experience credit are non-transferable. The experience credit cannot be applied to the base registration rate and is only valid for the 2020 AAPM&R Annual Assembly. Registration will launch in the spring of 2020. At that time, your credit will be available in your account, and you can log in to add the experience-of-choice to your registration. Any unused credits will be cleared from your account on September 16, 2020.



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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

⌚ The #AAPMR20 Rewind


⌚ A Skills Lab

⌚ A Preconference Course

2

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

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UNITING PM&R THROUGH EVIDENCE & BEST PRACTICES

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TIME	CLINICAL SYMPOSIA	PRACTICE, TECHNOLOGY, AND RESEARCH SYMPOSIA	SKILLS LABS	LEARNING CENTER / RESEARCH HUB	PM&R BOLD
11:15 am-12:45 pm	GRAB N' GO LUNCH IN THE PM&R PAVILION	GRAB N' GO LUNCH IN THE PM&R PAVILION			
11:30 am-12:30 pm	AAPM&R BUSINESS MEETING ROOM 217C, MEETING LEVEL	AAPM&R BUSINESS MEETING ROOM 217C, MEETING LEVEL			
11:30 am-12:30 pm	LUNCH AND LEARN PRESENTATIONS IN THE PM&R PAVILION	LUNCH AND LEARN PRESENTATIONS IN THE PM&R PAVILION			
12:45 pm-1:45 pm	PLENARY KEYNOTE—51ST WALTER J. ZEITER LECTURE AND AWARDS VIDEO PRESENTATION, DAVID B. NASH, MD, MBA HEMISFAIR BALLROOM, BALLROOM LEVEL	PLENARY KEYNOTE—51ST WALTER J. ZEITER LECTURE AND AWARDS VIDEO PRESENTATION, DAVID B. NASH, MD, MBA HEMISFAIR BALLROOM, BALLROOM LEVEL			
1:45 pm-2 pm	TRANSITION BREAK	TRANSITION BREAK			
2 pm-3:15 pm	1212. Intrathecal Baclofen Pumps: Leave It In... or Take It Out? [SPASTICITY] ROOM 206A, MEETING LEVEL 1213. Debating Topics Across the Spectrum of Traumatic Brain Injury Rehabilitation: A Point-Counterpoint [CNS] ROOM 006A, RIVER LEVEL 1415. Exploring the Benefits, Evidence, and Implementation of Virtual Reality for the Treatment of Acute and Chronic Pain in the Outpatient Rehabilitation Setting [EMG] ROOM 205, MEETING LEVEL 1513. Evaluation of Cervical Spine Pain and Correlation with Injection Procedures [SPINE AND PAIN] ROOM 007A, RIVER LEVEL 1912. The 2019 PASSOR Legacy Award and Lectureship Winner ROOM 217B, MEETING LEVEL	1314. Physiatry Practice in the SNF: What You Need to Know to Succeed [PRACTICE] ROOM 207A, MEETING LEVEL 1413. Physiatric Medical Missions: A Look at Traditional and 3D-Printed Prosthetics and Orthotics in Underserved Populations Abroad [NEW TECHNOLOGIES] ROOM 217C, MEETING LEVEL 1512. Best Papers for Recent Advances in Pain Management [SPINE AND PAIN] ROOM 216, MEETING LEVEL 1704. Unbiased Physiatric Finances: Considerations for Residents and Early-Career Faculty [IN-TRAINING/EARLY-CAREER] ROOM 008A, RIVER LEVEL 5018. ABPMR Practice Improvement Project Workshop ROOM 217A, MEETING LEVEL	1815. Exoskeleton Interventions After Spinal Cord Injury and Acquired Brain Injury ROOM 214A, MEETING LEVEL 1816. Manual Medicine Treatment for Low Lumbar, Sacroiliac, and Pelvic Dysfunction ROOM 214C, MEETING LEVEL 1817. Resident Boot Camp 3: Spasticity Management—Reviewing Chemodenervation Techniques Including the Use of Ultrasound Guidance and Baclofen Pump Management ROOM 214D, MEETING LEVEL		1605. Advancing Physiatry's Future: Musculoskeletal Medicine Learning Collaborative (2 pm-5 pm) GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL
3:15 pm-3:30 pm	REFRESHMENT BREAK	REFRESHMENT BREAK			
3:30 pm-4:45 pm	1214. Controversies in Neurorehab: Point-Counterpoints on Pharmacologic Agents Impacting Neurorecovery [CNS] ROOM 006A, RIVER LEVEL 1215. Night and Day: Use of Actigraphy to Aid in the Understanding of Sleep and Activity in Brain Injury Populations [CNS] ROOM 008A, RIVER LEVEL 1416. Spinal Muscular Atrophy: Interventions, Recommendations, and Evidence for Facilitation of Functional Outcomes [PEDIATRICS] ROOM 207C, MEETING LEVEL 1417. Update in Cardiopulmonary Rehabilitation: New Opportunities with New Frontiers and Diagnoses [EMG] ROOM 207A, MEETING LEVEL 1514. Current State of Radiofrequency Ablation [SPINE AND PAIN] ROOM 206A, MEETING LEVEL 1515. Optimize PM&R Interventional Procedures [SPINE AND PAIN] ROOM 007A, RIVER LEVEL 1913. The 2018 Scott F. Nadler PASSOR Musculoskeletal Research Grant Winner ROOM 217B, MEETING LEVEL	1414. Best Papers in Cancer Rehabilitation [CANCER] ROOM 205, MEETING LEVEL			
5 pm-6:15 pm	CHIEF RESIDENTS' MEETING GRAND HYATT SAN ANTONIO, LONESTAR C, 2ND LEVEL	CHIEF RESIDENTS' MEETING GRAND HYATT SAN ANTONIO, LONESTAR C, 2ND LEVEL			
7 pm	ALUMNI RECEPTIONS (see page 45 for details)	ALUMNI RECEPTIONS (see page 45 for details)			

THE #AAPMR2019 AGENDA—SATURDAY-SUNDAY



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

SAVE THE DATE  
November 12-15, 2020  
in San Diego, California

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aapm&r  
ANNUAL ASSEMBLY 2020



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-11 am

5002. Cancer Rehabilitation Medicine

ROOM 008A, RIVER LEVEL

Practical, Evidence-Based Ways to Build Cancer Rehabilitation Medicine in Your Practice

- ✓ Focus on evidence-based and practical ways to build a clinical practice with cancer rehabilitation.
- ✓ Educate attendees on how to expand or incorporate cancer rehabilitation in their current practice.
- ✓ Review the latest research on lymphedema management and clinical pearls of experience, how to develop a prehabilitation and exercise program, and more.

5003. Central Nervous System

ROOM 007A, RIVER LEVEL

Concussions, Disorders of Consciousness, and Networking

- ✓ Focus on current practices for disorders of consciousness.
- ✓ Concussion management.
- ✓ CNS community meeting and networking opportunities.

5004. Exercise as Medicine

ROOM 213A, MEETING LEVEL

Integrating Aerobic Exercise into the Continuum of Rehabilitation Care: Basic and Clinical Science Guides are the Prescription to Support Recovery in Brain Injury, Cancer, and Cardiovascular Disease

- ✓ Review the science supporting the benefit of aerobic exercise in disease prevention.
- ✓ A panel discussion with experts in cancer, neurologic, and cardiopulmonary rehabilitation.
- ✓ Breakout sessions where groups can sit with like-minded colleagues to discuss practical issues of program development and implementation, as well as consider collaborative research initiatives.

5005. Medical Educators

ROOM 216, MEETING LEVEL

Teaching the Next Generation of Physiatrists: Promoting Lifelong Learning for New Settings and New Technologies

- ✓ Review how to facilitate lifelong learning so that learners can adapt to new changes.
- ✓ Discuss the importance of deciding which technologies to include in the curriculum.
- ✓ Why you need to overcome structural barriers to incorporate new practice settings into your rotations.

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/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 pediatric 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.

5013. Women Physiatrists

ROOM 217C, MEETING LEVEL

Visioning Women Physiatrists BOLD

Speakers: Marisa Bono; 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.



8 am-9:15 am

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.

9:45 am-11 am

5001. African American Physiatrists

ROOM 205, MEETING LEVEL

Careers, Cash, and Conversation

Speaker: Sharon Mallory, CMFC

- ✓ 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.

5012. Overhead Athlete

ROOM 217B, MEETING LEVEL

The Overhead Athlete: Translation of Research to Performance and Back Again

- ✓ Introduce new concepts and topics related to the overhead athlete.
- ✓ Develop a forum for discussion in this niche population.
- ✓ Provide an environment for the development of new and novel research ideas.

5011. Sports Medicine Fellowship

ROOM 217A, MEETING LEVEL

Sports Medicine Fellowships: A Summary of Recent PM&R Fellow Candidates' Applications, Interview Experiences, and What They Value in Programs

- ✓ Identify trends in the sports medicine fellowship application process and PM&R candidates' approaches/values toward the process.
- ✓ Provide useful information to future candidates to help guide their approach.
- ✓ Guide sports medicine fellowship programs on the value of candidates, which may influence the recruitment process or potential future program development.

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 PhyzForum—visit [www.phyzforum.org](http://www.phyzforum.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 #AAPMR2019. 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.





MUSCULOSKELETAL/SPORTS MEDICINE AND ULTRASOUND

📅 THURSDAY, NOVEMBER 14

2 pm-3:15 pm

**1101. Advanced Diagnostic and Interventional Ultrasound: Taking it to the Next Level**  
**ROOM 007A, RIVER LEVEL**  
Jonathan Finnoff, DO, FAAPMR (Session Director); Ryan C. Kruse, MD, FAAPMR; Jeffrey Strakowski, MD, FAAPMR

3:45 pm-5 pm

**1102. Pearls for the Sports Medicine Physician**  
**ROOM 006A, RIVER LEVEL**  
Jonathan Finnoff, DO, FAAPMR (Session Director); Arthur J. De Luigi, DO, FAAPMR; Ryan C. Kruse, MD, FAAPMR; Jacob Sellon, MD, FAAPMR

**1103. Rehabilitation of Chronic Shoulder Pain – Current Evidence and New Treatments**  
**ROOM 207A, MEETING LEVEL**  
Richard D. Wilson, MD, MS, FAAPMR (Session Director); John Chae, MD, FAAPMR; Nitin B. Jain, MD, MSPH, FAAPMR; Chong Kim, MD, FAAPMR

📅 FRIDAY, NOVEMBER 15

8 am-9:15 am

**1104. Exercise Across the Rehabilitation Spectrum: Evidence and Implementation**  
**ROOM 206A, MEETING LEVEL**  
Patrick Kortebein, MD, FAAPMR (Session Director); Gary Chimes, MD, PhD, FAAPMR; Arny A. Ferrando, PhD; Michael Roberts, PhD

**1105. Extracorporeal Shockwave Therapy – What is the Evidence?**  
**ROOM 007A, RIVER LEVEL**  
Luis Baerga-Varela, MD (Session Director); Francisco Bentz Brugal, MD; Liza Hernandez-Gonzalez, MD

10 am-11:15 am

**1106. Foot and Ankle: An Approach to Orthobiologic Injections**  
**ROOM 217C, MEETING LEVEL**  
Joanne Borg-Stein, MD, FAAPMR (Session Director); Jonathan Finnoff, DO, FAAPMR; Eugene Y. Roh, MD, FAAPMR

**1107. Clinical Pearls and Current Updates in Pediatric Sports Medicine**  
**ROOM 207A, MEETING LEVEL**  
Mary Dubon, MD, FAAPMR; Amy E. Rabatin, MD (Session Directors); Aaron M. Karlin, MD, FAAPMR; Brian Krabak, MD, MBA, FACSM, FAAPMR; Jonathan Napolitano, MD, FAAPMR

2 pm-3:15 pm

**1108. An Evidence and Best Practice Approach Toward Standardizing Regenerative Rehabilitation**  
**ROOM 006A, RIVER LEVEL**  
Prathap Jayaram, MD, FAAPMR (Session Director); John Cianca, MD, FAAPMR; Gerard Malanga, MD, FAAPMR; Kenneth Mautner, MD, FAAPMR

**1109. Youth Running – Strategies for Preventing Injury**  
**ROOM 007A, RIVER LEVEL**  
Brian J. Krabak, MD, MBA, FACSM, FAAPMR (Session Director); Kathryn Ackerman, MD, MPH; Michael Fredericson, MD, FAAPMR; Adam Tenforde, MD, FAAPMR

3:45 pm-5 pm

**1110. AMSSM Exchange Lecture: Return to Exercise | Running Postpartum**  
**ROOM 217B, MEETING LEVEL**  
Constance Lebrun, MD, MDCM, MPE, CCFP (SEM), FACM, FCEP (Guest Speaker)

**1111. Meniscus Update: Evolving Research Models and Clinical Practice**  
**ROOM 006A, RIVER LEVEL**  
Kentaro Onishi, DO, FAAPMR (Session Director); Jonathan Finnoff, DO, FAAPMR; Joshua S. Szabo, MD; Adam Tenforde, MD, FAAPMR

📅 SATURDAY, NOVEMBER 16

8 am-9:15 am

**1112. Best Practices in Gait Analysis: Understanding Normal Gait, Clinical Applications for Runners including Injury Prevention, Prosthetic Innovations, and Return to Running after Lower Extremity Amputation**  
**ROOM 205, MEETING LEVEL**  
Ninad S. Karandikar, MBBS, FAAPMR (Session Director); Gary M. Berke, MS, CP, FAAOP; Rebecca Dutton, MD, FAAPMR; Leif Nelson, DPT, ATP, CSCS

**1113. Advances in Treatment and Prevention of Hamstring Injuries**  
**ROOM 217B, MEETING LEVEL**  
Adam Tenforde, MD, FAAPMR (Session Director); Ellen K. Casey, MD, FACSM, FAAPMR; Irene S. Davis, PhD, PT, FACSM, FAPTA, FASB; Michael Fredericson, MD, FAAPMR

10 am-11:15 am

**1114. Performing Arts Medicine 101: Relevance and Concepts for Physical Medicine and Rehabilitation Clinicians**  
**ROOM 006A, RIVER LEVEL**  
Lauren Elson, MD, FAAPMR; Jennifer Marie J. Yang, MD, FAAPMR (Session Directors); Kathleen Davenport, MD, FAAPMR; Yein Lee, DO, MMS, FAAPMR; Lindsay Ramey, MD, FAAPMR; Sajid A. Surve, DO

**1115. Shoulder: An Approach to Orthobiologic Injections**  
**ROOM 007A, RIVER LEVEL**  
Joanne Borg-Stein, MD, FAAPMR (Session Director); Christine Eng, MD, FAAPMR; Steven Makovitch, DO, FAAPMR; Joshua Rothenberg, DO, FAAPMR

2 pm-5 pm

**1605. Advancing Physiatry’s Future: Musculoskeletal Medicine Learning Collaborative**  
**GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL**

CENTRAL NERVOUS SYSTEM

📅 THURSDAY, NOVEMBER 14

2 pm-3:15 pm

**1201. Stroke Rehabilitation: What’s New, Shocking, and Out of the Box**  
**ROOM 006A, RIVER LEVEL**  
Joel Stein, MD, FAAPMR (Session Director); Gerard E. Francisco, MD; Michael O'Dell, MD, FAAPMR

3:45 pm-5 pm

**1202. Findings from the Football Players Health Study**  
**ROOM 007A, RIVER LEVEL**  
Ross D. Zafonte, DO, FAAPMR (Session Director); Adam Tenforde, MD, FAAPMR

📅 FRIDAY, NOVEMBER 15

8 am-9:15 am

**1203. Rare and Well Done – Unusual Spasticity Management Techniques**  
**ROOM 006A, RIVER LEVEL**  
Michael F. Saulino, MD, PhD, FAAPMR (Session Director); John McGuire, MD, FAAPMR; Andrea Toomer, MD, FAAPMR; Jose Urquidez, MD, FAAPMR

**1204. Parkinson’s Disease: The Quintessential Multidisciplinary Rehabilitation Diagnosis**  
**ROOM 207A, MEETING LEVEL**  
Heather Baer, MD, FAAPMR (Session Director); Jane Ott, PT, DPT, NCS; Christina L. Vaughan, MD, MHS

10 am-11:15 am

**1205. Chronic Traumatic Encephalopathy: Understanding Facts, Caveats, and Practical Discussion with Patients**  
**ROOM 006A, RIVER LEVEL**  
Ross D. Zafonte, DO, FAAPMR (Session Director); Ginger Polich, MD, FAAPMR

10 am-11:30 am

**1206. Lower Limb Orthotic Prescription Optimization**  
**ROOM 217A, MEETING LEVEL**  
Alberto Esquenazi, MD, FAAPMR (Session Director)

📅 SATURDAY, NOVEMBER 16

8 am-9:15 am

**1209. Neurogenic Bowel Management in Adults with Spinal Cord Injury – New Clinical Practice Guidelines from the Consortium for Spinal Cord Medicine**  
**ROOM 207A, MEETING LEVEL**  
Jeffery S. Johns, MD, FAAPMR (Session Director); Gianna Maria M. Rodriguez, MD

10 am-11:15 am

**1211. Where Have All The Brain Injuries Gone? Biases, Realities, and Solutions**  
**ROOM 207A, MEETING LEVEL**  
Mary E. Russell, DO, MS, FAAPMR (Session Director); Flora M. Hammond, MD, FAAPMR; Cindy B. Ivanhoe, MD, FAAPMR; Monica Verduzco-Gutierrez, MD, FAAPMR

2 pm-3:15 pm

**1213. Debating Topics Across the Spectrum of Traumatic Brain Injury Rehabilitation: A Point-Counterpoint**  
**ROOM 006A, RIVER LEVEL**  
Thomas K. Watanabe, MD, FAAPMR (Session Director); Abana Azariah, MD, FAAPMR; Gary Goldberg, MD, FAAPMR; Brian D. Greenwald, MD, FAAPMR; Ross Zafonte, DO, FAAPMR

3:30 pm-4:45 pm

**1214. Controversies in Neurorehab: Point-Counterpoints on Pharmacologic Agents Impacting Neurorecovery**  
**ROOM 006A, RIVER LEVEL**  
Ryan J. Solinsky, MD, FAAPMR (Session Director); Jayne Donovan, MD, FAAPMR; Stephen Hampton, MD, FAAPMR; Ginger Polich, MD, FAAPMR

**1215. Night and Day: Use of Actigraphy to Aid in the Understanding of Sleep and Activity in Brain Injury Populations**  
**ROOM 008A, RIVER LEVEL**  
Thomas K. Watanabe, MD, FAAPMR (Session Director); Kathleen R. Bell, MD, FAAPMR; Simon Driver, PhD; Risa Nakase-Richardson, PhD

REHABILITATION CARE CONTINUUM

📅 FRIDAY, NOVEMBER 15

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 217C, MEETING LEVEL**  
Cindy B. Ivanhoe, MD, FAAPMR (Session Director); Joseph B. Carlock, MD, FAAPMR; Michael Green, DO, FAAPMR; Ameet Nagpal, MD, MS, Med, FAAPMR; Monica Verduzco-Gutierrez, MD, FAAPMR

📅 SATURDAY, NOVEMBER 16

8 am-9:15 am

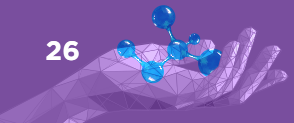
**1208. It’s Not The Pump! It’s Your Management**  
**ROOM 217C, MEETING LEVEL**  
Cindy B. Ivanhoe, MD, FAAPMR (Session Director); Brian M. Bruel, MD, MBA; Radha Korupolu, MD, MS; Michael Saulino, MD, PhD, FAAPMR

8 am-9:30 am

**1210. More than Just ‘Dispo’: Using Evidence and Best Practices to Integrate Physiatry into the Neurologic Intensive Care Unit**  
**ROOM 217A, MEETING LEVEL**  
Justin L. Weppner, DO, FAAPMR (Session Director); Kevin Franzese, DO, FAAPMR; Gary F. Galang, MD, FAAPMR; Kirk Lercher, MD, FAAPMR; Mark Linsenmeyer, MD, FAAPMR; Amy Wagner, MD, FAAPMR

2 pm-3:15 pm

**1212. Intrathecal Baclofen Pumps: Leave it in...or Take it Out?**  
**ROOM 206A, MEETING LEVEL**  
Kat Kolaski, MD, FAAPMR (Session Director); Jill Meilahn, DO, FAAPMR; Elizabeth Moberg-Wolff, MD, FAAPMR





PRACTICE MANAGEMENT AND EVOLUTION

📅 THURSDAY, NOVEMBER 14

2 pm-3:15 pm

1301. Feeding the Fire: Finding Solutions to the Burnout Epidemic in PM&R

ROOM 217B, MEETING LEVEL

Monica Verduzco-Gutierrez, MD, FAAPMR (Session Director); Allison C. Bean, MD, PhD

3:45 pm-5 pm

1302. The Psychiatrist Health Care Advocate: Leadership Strategies for Health Systems, Insurance Companies, and the State House

ROOM 216, MEETING LEVEL

Stuart J. Glassman, MD, FAAPMR; Andrea P. Toomer, MD, FAAPMR (Session Directors); Sally Brooks, MD, FACP, AGS-F; Dexanne B. Clohan, MD, MSA; Max Fitzgerald, MD, FAAPMR

1303. Medical Leadership: Beyond the Medical Director... the Essential New and Evolving Role of the Medical Administrator and the Potential Impacts of Innovative Leadership!

ROOM 217B, MEETING LEVEL

Alan K. Novick, MD, FAAPMR (Session Director); Shelly Delfin, APRN, MSN, NP; Jeffrey E. Oken, MD, FAAPMR

📅 FRIDAY, NOVEMBER 15

8 am-9:15 am

1304. Everyone’s a Little Bit Biased (Even Psychiatrists)

ROOM 008A, RIVER LEVEL

Elissa J. Charbonneau, DO, MS, FAAPMR; Monica Verduzco-Gutierrez, MD, FAAPMR (Session Directors); Allison C. Bean, MD, PhD; Julia Reilly, MD

10 am-11:15 am

1305. AAPM&R Health Advocacy on the Hill and Beyond: The Current Health Policy Landscape and Academy Advocacy Activities

ROOM 205, MEETING LEVEL

Nneka Ifejika, MD, MPH, FAAPMR (Session Director); Stuart J. Glassman, MD, FAAPMR; Matthew Grierson, MD, FAAPMR; Reva Singh, JD, MA; Peter Thomas, JD

1611. Pearls and Pitfalls for Submitting a Strong Research Proposal and Journal Manuscript

ROOM 217B, MEETING LEVEL

Janna Friedly, MD, FAAPMR; Joseph E. Hornyak, MD, PhD, FAAPMR (Session Directors)

2 pm-3:15 pm

1306. Supporting Female Colleagues in the Field of PM&R

ROOM 217B, MEETING LEVEL

Matthew D. Adamkin, MD, FAAPMR (Session Director); Camilo Castillo, MD, FAAPMR; Priya Chandan, MD, MPH; Mary Dubon, MD, FAAPMR; Megan B. Nelson, MD, FAAPMR

1307. 2019 Office Coding & Documentation E/M Updates – Preparing for 2021

ROOM 008A, RIVER LEVEL

Scott Horn, DO, FAAPMR; Annie D. Purcell, DO, FAAPMR (Session Directors); Linda Duckworth, CHC, CPC

3:45 pm-5 pm

1308. Multiculturalism in Physiatry: The Business Case and the Clinical Need

ROOM 206A, MEETING LEVEL

Shahd Haidar, MD; Maurice Sholas, MD, PhD, FAAPMR (Session Directors); Lisa A. Merritt, MD, FAAPMR; Anjum Sayyad, MD, FAAPMR; Sidney S. Welch, JD, MPH

1309. 2020 MIPS: Preparing Your Practice for Reporting and Strategies to Improve Performance

ROOM 207A, MEETING LEVEL

Mark Huang, MD, FAAPMR (Session Director); Robert Jasak, JD

1310. 2019 Inpatient/SNF Physiatry Reimbursement Hurdles

ROOM 008A, RIVER LEVEL

Christopher J. Garrison, MD, MBA, FAAPMR; Jeffery S. Johns, MD, FAAPMR (Session Directors); Linda Duckworth, CHC, CPC

📅 SATURDAY, NOVEMBER 16

8 am-9:15 am

1311. AAPM&R Health Advocacy on the Hill and Beyond: A Town Hall Discussion

ROOM 216, MEETING LEVEL

Nneka Ifejika, MD, MPH, FAAPMR (Moderator); Stuart J. Glassman, MD, FAAPMR; Matthew J. Grierson, MD, FAAPMR; Reva Singh, JD, MA; Peter Thomas, JD

10 am-11 am

1610. A Program Planning Committee Guide and Q&A Session on Submitting a Strong Proposal for the AAPM&R Annual Assembly

ROOM 217C, MEETING LEVEL

Corinne M. Layne Stuart, DO, FAAPMR and Diane Mortimer, MD, FAAPMR (Session Directors)

10 am-11:15 am

1312. 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. Slocum, MD, MPH, FAAPMR (Session Director); Anne Deutsch, RN, CRRN, PhD; Ross Zafonte, DO, FAAPMR

1313. 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

Jennifer A. Soo Hoo, MD, FAAPMR (Session Director); Ellen K. Casey, MD, FACSM, FAAPMR; Adrielle L. Fry, MD, FAAPMR; Kristopher Karvelas, MD, FAAPMR; Monica Rho, MD, FAAPMR

2 pm-3:15 pm

1314. Physiatry Practice in the SNF: What You Need to Know to Succeed

ROOM 207A, MEETING LEVEL

Steve M. Gnatz, MD, MHA, FAAPMR (Session Director); Charlotte H. Smith, MD, FAAPMR; Azlan Tariq, DO, FAAPMR

NEW TECHNOLOGIES/EMG

📅 THURSDAY, NOVEMBER 14

2 pm-3:30 pm

1401. Electrodiagnosis in the Inpatient Setting

ROOM 217A, MEETING LEVEL

Sandra L. Hearn, MD, FAAPMR (Session Director); Anthony E. Chiodo, MD, MBA, FAAPMR; Erik R. Ensrud, MD, FAAPMR; Nassim Rad, MD, FAAPMR

3:45 pm-5 pm

1402. Challenging Electrodiagnostic Cases – Meaningful Interpretation with Implications for Diagnosis and Referrals

ROOM 205, MEETING LEVEL

Faren H. Williams, MD, MS, FAAPMR (Session Director); Erik R. Ensrud, MD, FAAPMR; Deborah A. Venesy, MD, FAAPMR

📅 FRIDAY, NOVEMBER 15

10 am-11:15 am

1405. TelePM&R: Lessons Learned and the Road Ahead

ROOM 216, MEETING LEVEL

Rebecca N. Tapia, MD, FAAPMR (Session Director); Marla S. Kaufman, MD; Mary E. Matsumoto, MD, FAAPMR; Joel D. Scholten, MD

2 pm-3:15 pm

1407. From Population Health to Autonomic Health in the Wearable Age: Decoding the Heart Brain Connection with Heart Rate Variability

ROOM 206A, MEETING LEVEL

Todd R. Rowland, MD, FAAPMR (Session Director); Raouf S. Gharbo, DO, FAAPMR; Gary Goldberg, MD, FAAPMR

3:45 pm-5 pm

1409. EMG Express – Using EMG, NCV, and US to Get the Right Answer Right Away

ROOM 007A, RIVER LEVEL

Shawn P. Jorgensen, MD, FAAPMR (Session Director); William D. Arnold, MD, FAAPMR; Erik R. Ensrud, MD, FAAPMR

📅 SATURDAY, NOVEMBER 16

8 am-9:15 am

1410. Advances in Neuromuscular Medicine and Rehabilitation Part 1 – Nerve

ROOM 008A, RIVER LEVEL

Colin K. Franz, MD, PhD, FAAPMR (Session Director); William D. Arnold, MD, FAAPMR; Ming Chan, MD, FRCPC; Richard L. Lieber, PhD, MBA; Gretchen A. Meyer, PhD; Sabrina Paganoni, MD, PhD, FAAPMR

10 am-11:15 am

1411. Advances in Neuromuscular Medicine and Rehabilitation Part 2 – Muscle

ROOM 008A, RIVER LEVEL

Colin K. Franz, MD, PhD, FAAPMR (Session Director); William D. Arnold, MD, FAAPMR; Ming Chan, MD, FRCPC; Richard L. Lieber, PhD, MBA; Gretchen A. Meyer, PhD; Sabrina Paganoni, MD, PhD, FAAPMR

2 pm-3:15 pm

1413. Physiatric Medical Missions: A Look at Traditional and 3D-Printed Prosthetics and Orthotics in Under-Served Populations Abroad

ROOM 217C, MEETING LEVEL

Stephanie E. Rand, DO, FAAPMR (Session Director); Matthew N. Bartels, MD, MPH, FAAPMR; Rory A. Dixon, MBBS, DM Ortho; Lauren T. Shapiro, MD, MPH, FAAPMR; Vinay P. Vanodia, MD

1415. Exploring the Benefits, Evidence, and Implementation of Virtual Reality for the Treatment of Acute and Chronic Pain in the Outpatient Rehabilitation Setting

ROOM 205, MEETING LEVEL

David S. Binder, MD, MBA (Session Director); Lorna Brown, MSPT, DPT, GCS; Zacharia Isaac, MD

3:30 pm-4:45 pm

1417. Update in Cardiopulmonary Rehabilitation: New Opportunities with New Frontiers and Diagnosis

ROOM 207A, MEETING LEVEL

Matthew N. Bartels, MD, MPH, FAAPMR (Session Director); John R. Bach, MD; David Z. Prince, MD, FAAPMR; Jonathan H. Whiteson, MD, FAAPMR

CANCER REHABILITATION

📅 THURSDAY, NOVEMBER 14

3:45 pm-5 pm

1403. Rehabilitation of Patients with Brain Tumors

ROOM 008A, RIVER LEVEL

Lori M. Grafton, MD, FAAPMR (Session Director); Justin S. Hong, MD, FAAPMR; Maria T. Moran, PhD

📅 FRIDAY, NOVEMBER 15

8 am-9:15 am

1404. Cancer-Related Challenges in the Inpatient Rehabilitation Setting

ROOM 217B, MEETING LEVEL

Jessica P. Engle, DO, FAAPMR (Session Director); Jack B. Fu, MD, FAAPMR; Amy H. Ng, MD, MPH, FAAPMR; Khanh Vu, MD, FACP

10 am-11:15 am

1406. Balancing Rehabilitation with Prognosis in Cancer Patients: An Evidence-Based Review of When and How to Intervene

ROOM 206A, MEETING LEVEL

Samman Shahpar, MD, FAAPMR (Session Director); Andrea L. Cheville, MD, FAAPMR; Ishan Roy, MD, PhD; Sean R. Smith, MD, FAAPMR; Jasmine Y. Zheng, MD, FAAPMR

2 pm-5 pm

1604. Advancing Physiatry’s Future: Cancer Rehabilitation Medicine Learning Collaborative

GRAND HYATT SAN ANTONIO, LONESTAR B, 2ND LEVEL

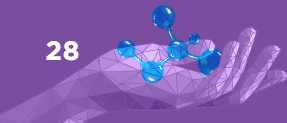
📅 SATURDAY, NOVEMBER 16

3:30 pm-4:45 pm

1414. Best Papers in Cancer Rehabilitation

ROOM 205, MEETING LEVEL

Yevgeniya Dvorkin-Wininger, MD, FAAPMR (Session Director); Sara A. Holz, MD; Julia M. Reilly, MD





PEDIATRICS

THURSDAY, NOVEMBER 14

2 pm-5 pm

1602. Advancing Physiatry’s Future: Pediatric Rehabilitation Medicine Learning Collaborative

ROOM 206A, MEETING LEVEL

FRIDAY, NOVEMBER 15

2 pm-3:15 pm

1408. Past, Present, and Future of Pediatric Rehabilitation: Research Updates and State-of-the-Field

ROOM 205, MEETING LEVEL

Kevin P. Murphy, MD, FAAPMR (Session Director); Joline E. Brandenburg, MD, FAAPMR; Michael Green, DO, FAAPMR; Elaine L. Pico, MD, FAAPMR, FAAP; Brian Sutterer, MD

SATURDAY, NOVEMBER 16

8 am-9:15 am

1412. Regenerative Medicine in Pediatric and Adolescent Sports Injuries

ROOM 007A, RIVER LEVEL

Andrew H. Gordon, MD, PhD (Session Director); Arthur J. De Luigi, DO, FAAPMR; Stephanie Tow, MD, FAAPMR

3:30 pm-4:45 pm

1416. Spinal Muscular Atrophy: Interventions, Recommendations, and Evidence for Facilitation of Functional Outcomes

ROOM 217C, MEETING LEVEL

Caitlin Brady, CPNP (Session Director); Sarah H. Evans, MD, FAAPMR

SPINE AND PAIN

THURSDAY, NOVEMBER 14

2 pm-3:15 pm

1501. 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

ROOM 205, MEETING LEVEL

Michael Hatzakis, Jr., MD, FAAPMR (Session Director); John M. Leshner, MD, MPH, FAAPMR; Kavitha Neerukonda, JD, MHA; Alan K. Novick, MD, FAAPMR; Beth Radtke, MS

1502. CBD, THC, and Medical Marijuana: What Do I Need To Know To Educate My Patients?

ROOM 217C, MEETING LEVEL

Mitchell Prywes, MD, FAAPMR (Session Director); Stuart J. Glassman, MD, FAAPMR; Arum Kim, MD, FAAPMR

3:45 pm-5 pm

1503. The Sacroiliac Joint and Dorsal Ligament Complex: Procedural Considerations and Review of the Evidence

ROOM 217C, MEETING LEVEL

Aaron J. Yang, MD, FAAPMR (Session Director); Zachary L. McCormick, MD, FAAPMR; Byron J. Schneider, MD, FAAPMR; Patricia Z. Zheng, MD, FAAPMR

FRIDAY, NOVEMBER 15

8 am-9:15 am

1504. Mind-Body Pain Medicine: Reinventing Yourself in a Dynamic Practice Environment

ROOM 217C, MEETING LEVEL

Ira G. Rashbaum, MD, FAAPMR (Session Director); Frances S. Anderson, PhD, SEP; David L. Bagnall, 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. Zheng, 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

Mehul J. Desai, MD, MPH, FAAPMR (Session Director); Alexios G. Carayannopoulos, DO, MPH, FAAPMR; Ameet S. Nagpal, MD, MS, MEd, FAAPMR; Saloni Sharma, MD, FAAPMR

2 pm-3:15 pm

1507. Neuromodulation for Physiatrists: A Comprehensive Review

ROOM 217C, MEETING LEVEL

Erik T. Shaw, DO, FAAPMR (Session Director); Mehul 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. Zheng, 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

Mehul J. Desai, MD, MPH, FAAPMR (Session Director); Alexios G. Carayannopoulos, DO, MPH, FAAPMR

SATURDAY, NOVEMBER 16

8 am-9:15 am

1509. Intradiscal Therapies: Biologics and Beyond

ROOM 206A, MEETING LEVEL

Ameet S. Nagpal, MD, MEd, FAAPMR (Session Director); Brian Boies, MD; Mehul J. Desai, MD, MPH, FAAPMR

9:45 am-11:15 am

1510. An Interactive Session on Finding Best Practices for Regenerative Interventions for Spinal Disorders

ROOM 217A, MEETING LEVEL

Venu 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

Mehul J. Desai, MD, MPH, FAAPMR (Session Director); Alexios G. Carayannopoulos, DO, MPH, FAAPMR

2 pm-3:15 pm

1512. Best Papers for Recent Advances in Pain Management

ROOM 216, MEETING LEVEL

Paul M. Scholten, MD, FAAPMR (Session Director); Zachary McCormick, MD, FAAPMR; Steven P. Stanos, Jr. DO, FAAPMR

1513. 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 Abd, MD, FAAPMR; William F. Micheo, MD, FAAPMR; Fernando Sepulveda-Irizarry, MD, FAAPMR

3:30 pm-4:45 pm

1514. Current State of Radiofrequency Ablation

ROOM 206A, MEETING LEVEL

Ameet S. Nagpal, MD, MEd, FAAPMR (Session Director); Maxim Eckmann, MD; D.J. Kennedy, MD, FAAPMR; Zachary L. McCormick, MD, FAAPMR; Byron J. Schneider, MD, FAAPMR

1515. Optimize PM&R Interventional Procedures

ROOM 007A, RIVER LEVEL

Saloni Sharma, MD, FAAPMR; Weibin Shi, MD, PhD, FAAPMR (Session Directors); Hassen Berri, DO, FAAPMR; Everett C. Hills, MD, FAAPMR; Michael J. Mehnert, MD, FAAPMR

GRADUATE MEDICAL EDUCATION LEADERS’ EVENTS

Invitation Only, RSVP Required

AAPM&R Academic Leaders Lunch

Friday, November 15

12:45 pm-1:30 pm

ROOM 004, RIVER LEVEL

The vision for the specialty offers exciting new opportunities for physiatry and will be realized in different ways across the field’s diverse practice settings. To help move the vision forward, AAPM&R has enlisted the assistance of member physiatrists to develop envisioned futures for practice areas addressing this key question:

How will practices look different in the future when aligned with this vision?

These new envisioned futures touch many aspects of PM&R and the Academy’s Graduate Medical Education (GME) Committee has been leading the way to advance strategic efforts related to GME. During this lunch, Academy leadership will provide an update on the outcomes and trajectory of these envisioned futures and commitments of the Academy’s GME Committee to ensure the Academy is supporting the needs of its academic leaders.

GME Leaders Summit: Preparing Residents and Fellows to Move the Specialty Forward

Friday, November 15

1:45 pm–5 pm

ROOM 005, RIVER LEVEL

To support the specialty and the newly-adopted envisioned futures, the Academy is actively engaging the GME community to understand how training must evolve to prepare residents and fellows for new practice models and future opportunities. This interactive session is designed to explore how residency and fellowship programs can work together and with the Academy to share best practices and advance the specialty.

The Academy’s GME Committee will provide an update on the work they have been doing over the last year, which includes convening a GME Specialized Curriculum Work Group that will begin developing specialized curriculum in MSK and participating in the Tri-Organizational GME Initiative, which has the goal of identifying the core knowledge and training requirements for GME within PM&R. After the GME Committee update, the remaining time will be spent in small work groups to discuss the future direction of residency and fellowship training. The goal is to ensure the Academy is representing its members by providing resources to move the specialty forward in a timely manner.



HIGH-PROFILE THOUGHT-LEADERS  
SHARE THEIR INSIGHTS



**Presidential Address and Plenary Keynote**  
Peter C. Esselman, MD, FAAPMR and Bonnie St. John

Thursday, November 14  
11:15 am-12:30 pm  
HEMISFAIR BALLROOM, BALLROOM LEVEL

AAPM&R President Peter C. Esselman, MD, FAAPMR, will officially launch #AAPMR2019 and welcome attendees. Then, Bonnie St. John, Paralympic Ski Medalist, Fortune 500 Business Consultant, Rhodes Scholar, Former White House Official and Best-Selling Author, will provide an inspiring talk focused on High Performance Resilience.



**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.



NEW! Brunch and Closing General Session featuring PhyzTalks

Sunday, November 17  
8 am-10 am  
HEMISFAIR BALLROOM, BALLROOM LEVEL

The top submissions from our Call for PhyzTalks will present their stories live in a fun, real-time competition where the winner will be chosen by the audience. PhyzTalks are TED™-style talks, which feature stories that are compelling and impactful to physiatrists. Come to watch your PM&R peers and stay for the food! Brunch will begin at 8 am and PhyzTalk presentations at 8:30 am. Brunch is included with your registration!

2019 PhyzTalk Finalists



**Mark J. Hinrichs, MD, FAAPMR**  
**90 Days and 20%—Speaking with Families about Prognosis in the Trauma ICU**  
Grady Hospital/Emory University



**Karen H. Knight, MD, FAAPMR**  
**The Healer's Power**  
Panorama Orthopedics and Spine Center



**Anita M. Lowe Taylor, MD**  
**The Top of the World to the End of the Line**  
Stanford University PM&R Program



**Lindsey Migliore, DO**  
**Esports Medicine: Fortnite, Flossing, and the Future of Physiatry**  
MedStar National Rehabilitation Hospital

PhyzTalks Emcee:



**Michelle S. Gittler, MD, FAAPMR**



**Emily K. Miller, MD**  
**Facing Mortality—and Mental Health—in Sports Medicine**  
Stanford University PM&R Program



**Adam H. Saby, MD, FAAPMR**  
**Mind Over Matter? The Evidence-Based Power of Belief**  
Kaiser Permanente



**Ross D. Zafonte, DO, FAAPMR**  
**Transforming Physiatry with Philanthropy**  
Spaulding Rehabilitation Hospital/Harvard

CONGRATULATIONS TO AAPM&R'S 2019 AWARD RECIPIENTS!

Saturday, November 16  
12:45 pm-1:45 pm  
HEMISFAIR BALLROOM, BALLROOM LEVEL

AAPM&R is proud to announce our 2019 awards and lectureships at the Annual Assembly. We recognize lifetime achievement, distinguished membership, and pioneering physiatrists, clinicians, researchers, dedicated volunteers, and public servants who have made significant contributions to both the specialty and to people with disabilities.



**Frank H. Krusen, MD, Lifetime Achievement Award**  
Alberto Esquenazi, MD, FAAPMR



**Distinguished Member Award**  
Sara J. Cuccurullo, MD, FAAPMR



**Distinguished Clinician Award**  
Mark A. Harrast, MD, FAAPMR  
Ai Mukai, MD, FAAPMR  
David W. Pruitt, MD, FAAPMR



**Distinguished Public Service Award**  
Priya Chandan, MD, MPH  
Lisa A. Merritt, MD, FAAPMR



**PASSOR Legacy Award and Lectureship**  
Sheila A. Dugan, MD, FAAPMR



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.

Thank You to Our  
Overall Learning  
Center Sponsor!



Hands-On Demonstrations and Presentations

THURSDAY, NOVEMBER 14

1 pm-2:30 pm	<b>Sono-Anatomy and Injection Techniques Around the Neck</b> Soo Kim, MD, FAAPMR (Director) Sponsored by:  KONICA MINOLTA
3:30 pm-5 pm	<b>Ultrasound Probe: Stethoscope of Sports Medicine Physiatrists, Point of Care, and On-Field Assessment</b> Reina Nakamura, DO, FAAPMR (Director)
3:30 pm-5 pm	<b>Ultrasound-Guided Intrathecal Pump Refills</b>
4 pm-4:30 pm	<b>AAPM&amp;R's Registry Dashboard Demonstration</b>
5:15 pm-6 pm	<b>Meet the Expert Hands-On Anatomy Training</b> A Hands-On Sponsored Experience by:  Allergan
5:15 pm-6 pm	<b>Experience the Merz Virtual Reality Training Tool</b> A Hands-On Sponsored Experience by:
6:05 pm-6:25 pm	<b>Kinesio® Medical Taping Method for Busy Physiatrists and PM&amp;R Residents-in-Training</b> See page 49 for more information. A Sponsored Experience by:

FRIDAY, NOVEMBER 15

9:30 am-10 am	<b>AAPM&amp;R's Registry Dashboard Demonstration</b>
9:30 am-10:15 am	<b>Accurian<sup>TF</sup> RF Ablation for Nerve Tissue</b> A Hands-On Sponsored Experience by:

Please check the mobile app for the most up-to-date schedule.

FRIDAY, NOVEMBER 15 (CONTINUED)

9:30 am-11 am	<b>Improving Your Lumbar Puncture Skills</b> Michael F. Saulino, MD, PhD, FAAPMR (Director)
10 am-11:30 am	<b>Pediatric Electrodiagnosis: Summary and Updates with Live Demonstration of Clinical Approach</b> Maureen R. Nelson, MD, FAAPMR (Director)
1 pm-1:45 pm	<b>Refill and Program Intrathecal Pump Using the Innovative SynchroMed II Clinician Programmer</b> A Hands-On Sponsored Experience by:
1 pm-1:45 pm	<b>Hands-On Educational Spasticity Injection Training Session</b> A Hands-On Sponsored Experience by:
2 pm-3:30 pm	<b>Incorporating Commercially-Available Technologies into the Physiatric Practice</b> Michael H. Hagen, MD (Director)
2 pm-3:30 pm	<b>Migraine Management</b> Atul T. Patel, MD, MHSA, FAAPMR (Director)

SATURDAY, NOVEMBER 16

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

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

2 pm-5 pm	<b>1801. Ultrasonography for the Evaluation and Treatment of Upper Extremity Disorders</b> <b>ROOM 214A, MEETING LEVEL</b> Mary L. Apiafi, MD, FAAPMR (Director)
	<b>1802. Advanced Musculoskeletal Ultrasound of the Shoulder</b> <b>ROOM 214C, MEETING LEVEL</b> Jeimylo C. De Castro, MD, RMSK, DABRM, FAAPMR (Director)

THURSDAY, NOVEMBER 14

2 pm-5 pm	<b>1804. Ultrasound Evaluation of Peripheral Nerves</b> <b>ROOM 214C, MEETING LEVEL</b> Amit Bhargava, MD, FAAPMR (Director)
	<b>1805. Ultrasound Guidance for Chemodenervation Procedures: Upper Limb</b> <b>ROOM 214D, MEETING LEVEL</b> Katharine E. Alter, MD, FAAPMR; Michael C. Munin, MD, FAAPMR (Directors)

FRIDAY, NOVEMBER 15

8 am-11 am	<b>1807. Fundamental Ultrasound of the Lower Extremity</b> <b>ROOM 214C, MEETING LEVEL</b> Prathap Jayaram, MD, FAAPMR; Joshua B. Rothenberg, DO, FAAPMR; Adam J. Susmarski, DO, FAAPMR (Directors)
	<b>1808. Ultrasound Guidance for Lower Limb Chemodenervation Procedures</b> <b>ROOM 214D, MEETING LEVEL</b> Katharine E. Alter, MD, FAAPMR (Director)



FRIDAY, NOVEMBER 15 (CONTINUED)

2 pm-5 pm	<b>1809. Pelvic Pain: Clinical Evaluation with Complementary Ultrasonography and Intervention</b> <b>ROOM 214A, MEETING LEVEL</b> Reina Nakamura, DO, FAAPMR (Director)
	<b>1810. Ultrasound Guidance for Head and Neck Chemodenervation Procedures</b> <b>ROOM 214C, MEETING LEVEL</b> Katharine E. Alter, MD, FAAPMR; Michael C. Munin, MD, FAAPMR (Directors)
	<b>1811. Interpretation of MRI Knee and Ankle with Ultrasound Correlations</b> <b>ROOM 214D, MEETING LEVEL</b> Brian C. Liem, MD, FAAPMR (Director)

SATURDAY, NOVEMBER 16

8 am-11 am	<b>1812. Ultrasound-Guided Upper/Lower Extremity Nerve Blocks with Alcohol and Botulinum Toxin Injections in Head, Neck, and Paraspinal Muscles for Spasticity Management</b> <b>ROOM 214A, MEETING LEVEL</b> Yuxi Chen, MD, FAAPMR (Director)
	<b>1813. Advanced Sports Ultrasound Pearls</b> <b>ROOM 214C, MEETING LEVEL</b> Kentaro Onishi, DO, FAAPMR (Director)
	<b>1814. Regenerative Injections for Osteoarthritis: A Practical Office-Based Approach</b> <b>ROOM 214D, MEETING LEVEL</b> Michael Auriemma, MD, FAAPMR; Joanne Borg-Stein, MD, FAAPMR (Directors)

2 pm-5 pm	<b>1815. Exoskeleton Interventions After Spinal Cord Injury and Acquired Brain Injury</b> <b>ROOM 214A, MEETING LEVEL</b> Alberto Esquenazi, MD, FAAPMR (Director)
	<b>1816. Manual Medicine Treatment for Low Lumbar, Sacroiliac, and Pelvic Dysfunction</b> <b>ROOM 214C, MEETING LEVEL</b> James W. Atchison, DO, FAAPMR; Ronald B. Tolchin, DO, FAAPMR (Directors)

- =Novice
- =Intermediate
- =Advanced



IN-TRAINING/EARLY-CAREER PHYSIATRISTS

THURSDAY, NOVEMBER 14

2 pm-3:15 pm

**1701. Advocacy from A to Z**  
ROOM 008A, RIVER 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** **N**  
ROOM 214A, MEETING LEVEL  
Donald Kasitinon, MD; Stephanie Tow, MD, FAAPMR (Directors)

FRIDAY, NOVEMBER 15

8 am-9:15 am

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

8 am-11 am

**1806. Resident Boot Camp 2: Introduction to Upper Extremity Prosthetics/Lower Extremity Orthotics and Prosthetics** **N**  
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  
Vishwa Raj, MD, FAAPMR (Director)

PHIT FEST

Share, learn, and network during these activities designed for in-training physiatrists:

Thank You to Our Sponsors!



3:45 pm-4:15 pm

**PHIT Town Hall Meeting**  
HEMISFAIR BALLROOM, BALLROOM LEVEL  
Connect with your resident and in-training peers and share your unique PM&R experiences during this In-Training Town Hall, moderated by the Physiatrists in Training (PHiT) Council.

4:15 pm-5:30 pm

**PHIT Quiz Bowl**  
HEMISFAIR BALLROOM, BALLROOM LEVEL  
Test your PM&R knowledge and compete with other residency programs from across the country in our annual Quiz Bowl!

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** **N**  
ROOM 214D, MEETING LEVEL  
Stephanie Tow, MD, FAAPMR; Justin L. Weppner, 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.

N =Novice



NEW! RESEARCH HUB

Thursday, November 14 12:30 pm-7 pm      Friday, November 15 9 am-3:45 pm      Saturday, November 16 9 am-12:45 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	<b>Research Spotlight: Practice Management and Leadership</b> Joseph E. Hornyak, MD, PhD, FAAPMR (Moderator)
1:30 pm-2:15 pm	<b>Research Spotlight: General Rehabilitation</b> Nitin B. Jain, MD, MSPH, FAAPMR (Moderator)
2:30 pm-3:15 pm	<b>Research Spotlight: Spine and Pain Medicine</b> Mark I. Ellen, MD, FAAPMR (Moderator)

FRIDAY, NOVEMBER 15

10 am-10:45 am	<b>Research Spotlight: Neurological Rehabilitation</b> Joseph E. Hornyak, MD, PhD, FAAPMR (Moderator)
11 am-11:45 am	<b>Research Spotlight: Musculoskeletal and Sports Medicine</b> Alexios G. Carayannopoulos, DO, MPH, FAAPMR (Moderator)
12 pm-1:15 pm	<b>Best Cases in Musculoskeletal and Sports Medicine</b> Samuel K. Chu, MD, FAAPMR (Moderator)
2 pm-2:45 pm	<b>Research Spotlight: Late-Breaking Research</b> Joseph E. Hornyak, MD, PhD, FAAPMR (Moderator)

SATURDAY, NOVEMBER 16

9:30 am-10:45 am	<b>Integrating Top Pediatric Rehabilitation Research in Practice: A Review of the Most Clinically-Influential Papers</b> Matthew J. McLaughlin, MD, MS, FAAPMR (Session Director)
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Visit pages 26-31 for additional research sessions.

Lunch-Time Presentations

Listen to 500+ 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      Friday, November 15 12:30 pm-2 pm      Saturday, November 16 11:15 am-12:45 pm

At Your Leisure—All E-Posters

Explore e-posters at your own pace by using the self-directed digital kiosks.



# TEAM PHYSIATRY

It's time to be  
PM&R BOLD.



THE COMPETITION IS FIERCE,  
BUT TEAM PHYSIATRY  
HAS A GAME PLAN  
FOR FUTURE SUCCESS!

AAPM&R will ensure that:

- Physiatrists are the **essential** medical experts in value-based **evaluation, diagnosis, and management** of neuromusculoskeletal and disabling conditions.
- Physiatrists are **indispensable** leaders in **directing rehabilitation and recovery**, and in preventing injury and disease.
- Physiatrists are **vital** in optimizing outcomes and function **early and throughout the continuum of patient care**.

Stop by the Member Solution Center and visit [BOLD.aapmr.org](http://BOLD.aapmr.org) to learn more about Team Physiatry, **because we are stronger together**.



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### Advancing PM&R BOLD: Team Physiatry's Game Plan

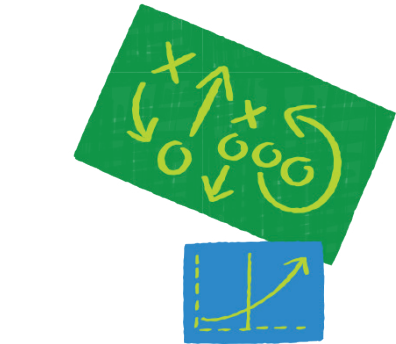
Thursday, November 14  
2 pm-3:15 pm  
**ROOM 207A, MEETING LEVEL**

Have you seen the vision for the specialty as defined by thousands of physiatrists? Have you asked yourself how are we going to get there? We have a game plan.

Join this session to explore what the future of Musculoskeletal Care, Cancer Rehabilitation Medicine, Pediatric Rehabilitation Medicine, and the Rehabilitation Care Continuum (formerly the Acute/Post-Acute Care Continuum) will look like as well as what your Academy is doing to address the systemic barriers our field faces including training, specialty identity and value, data, workforce, and leadership preparedness.

This session is for all physiatrists because a stronger physiatry that is valued by health care is good for each individual on Team Physiatry and the patients we serve. Join to learn more and exchange ideas about how you can evolve your practice to thrive in the future.

Be sure to attend one of the Learning Collaboratives to have in-depth discussions with physiatrists. Check out the four on the next page.



ADVANCING  
PM&R BOLD  
THROUGH COLLABORATION

# 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?

### Advancing Physiatry's Future: Pediatric Rehabilitation Medicine Learning Collaborative

Thursday, November 14  
2 pm-5 pm  
**ROOM 217B, MEETING LEVEL**

In this special 3-hour session, Pediatric Rehabilitation Medicine (PRM) physicians will review workforce issues including those that potentially act as a possible barrier to attracting and training more PRM specialists. We'll begin by discussing the landscape of training requirements and their potential direct and indirect impacts on the field to illuminate possible next steps. Further, how can we tackle this barrier of a smaller workforce that needs to increase? What role can telemedicine play in expanding our workforce? This is a critical conversation for the future of PRM; so, make sure you are part of it!

### Advancing Physiatry's Future: Rehabilitation Care Continuum Learning Collaborative

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

Changes are happening in health care; we know that, and we feel it as we practice every day. As we expand into different settings across the rehabilitation care continuum and treat different patients, the physiatrist should be the quarterback, but who are our key teammates to ensure maximal patient outcome while managing the utilization of resources? Get the system perspective as we invite outside experts into this discussion. Then, work with your peers to share examples of successful co-management models. Join this 3-hour discussion as we focus on these critical conversations.

### Advancing Physiatry's Future: Cancer Rehabilitation Medicine Learning Collaborative

Friday, November 15  
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. Lend your input as we work to define the future of cancer rehabilitation medicine.

### Advancing Physiatry's Future: Musculoskeletal Medicine Learning Collaborative

Saturday, November 16  
2 pm-5 pm  
**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.

More information about PM&R BOLD and opportunities to get involved can be found at: [BOLD.aapmr.org](http://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](http://PennStateHershey.org).



For immediate consideration, please send curriculum vitae to:

**Ashley Nippert, Physician Recruiter**

Email: [anippert@pennstatehealth.psu.edu](mailto:anippert@pennstatehealth.psu.edu)

Tel: 717-531-0003 x320184



**PennState Health**  
Milton S. Hershey Medical Center

The Penn State Health Milton S. Hershey Medical Center is committed to affirmative action, equal opportunity and the diversity of its workforce. EOE-AA-M/F/D/V. All individuals (including current employees) selected for a position will undergo a background check appropriate for the position's responsibilities.

## PRESIDENT'S RECEPTION

# Join our Boot Scootin' BBQ!

## President's Reception at Cowboys Dancehall

Friday, November 15  
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.

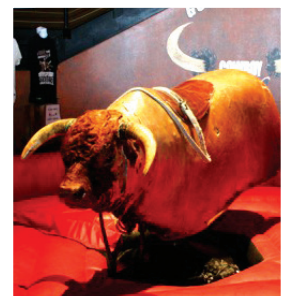
Tickets to the President's Reception are \$50 for attendees, non-attendee guests, and children. Children under 3 are free.

Thank You to Our Sponsor!

## RUSK REHABILITATION AT NYU LANGONE



1. Board Here for Shuttle Transportation
2. Grand Hyatt San Antonio



NETWORKING



★ ★ *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.



# PUSHING THE BOUNDARIES OF REHABILITATION



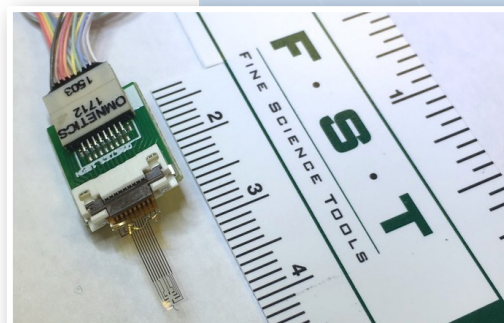
## Penn Physical Medicine and Rehabilitation

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](http://PennMedicine.org/PMR).

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



TIMOTHY R. DILLINGHAM, MD, MS  
CHAIR, DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION  
EMAIL: [Timothy.Dillingham@uphs.upenn.edu](mailto:Timothy.Dillingham@uphs.upenn.edu)

## MAKING CONNECTIONS

### 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.



Connect with thousands of your peers while on-site! Download our mobile app at [www.aapmr.org/app](http://www.aapmr.org/app) and view an attendee list to help you easily see who's here in San Antonio.

### 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.*



*This image has been updated from the printed version of this program, as the former was an inexcusable demonstration of implicit bias.*

## MAKE THE MOST OF YOUR ONSITE EXPERIENCE

Looking to meet other attendees, ask questions, and learn more about how you can get involved? You have 2 exciting opportunities while you're here in San Antonio! Check out the following activities to enjoy coffee, a few breakfast bites, and connect with your PM&R peers:

### First-Time Attendee Meet-Up

Thursday, November 14  
7:15 am-8 am  
**ROOM 207A, MEETING LEVEL**

With so much to see and do at the Assembly, a little help comes in handy! The First-Time Attendee Meet-Up gives you a unique opportunity to ask questions and meet other first-timers.

### NEW! Volunteer Open House

Friday, November 15  
7 am-9 am  
**EL PUENTE CAFE, WEST LOBBY, STREET LEVEL**

The Academy's volunteer program now has opportunities to fit every schedule! Attend this networking event to find out about the new ways to engage through volunteerism. Hear from current volunteers on why and how they engage. Grab coffee and a bagel, join your PM&R peers, and shape the future of your specialty.





# 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



**RUTGERS**  
Robert Wood Johnson  
Medical School

## MAKING CONNECTIONS

### 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 ABC, 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



6:30 pm-9 pm

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

7 pm-9 pm

**Montefiore Medical Center**  
BOWIE B, 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



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.
- ✓ Grab lunch on Thursday, Friday, and Saturday, and network with your peers.

Two Lunch Options



- 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.
- 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 Learns 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.



Stop by the Career Corner in the PM&R Pavilion (booth #1537) to learn more about the Academy’s career development resources. Meet with representatives and staff who can help you post your CV or open position on AAPM&R’s Job and Fellowship Board.

Advanced registration and additional fees are not required. Just stop by the Career Corner for added learning and conversation! All sessions are meant to be casual, interactive, and informative.



ROUNDTABLE SESSIONS

THURSDAY, NOVEMBER 14

**1 pm-1:30 pm**  
**Insurance Basics**  
Shawn Johnson, Financial Services Professional, Treloar & Heisel

**1:30 pm-2 pm**  
**Financial Strategies**  
Shawn Johnson, Financial Services Professional, Treloar & Heisel

**2:30 pm-3 pm**  
**CV Overview & Review**  
Tracey C. Isidro, MD

**4:30 pm-5 pm**  
**How to Market Yourself**  
Gene Tekmyster, DO, FAAPMR

**5:30 pm-6 pm**  
**CV Overview & Review**  
Stephanie Tow, MD, FAAPMR

**6 pm-6:30 pm**  
**How to Land the Fellowship You Want**  
Zachary P. Bailowitz, MD, FAAPMR

FRIDAY, NOVEMBER 15

**9:30 am-10 am**  
**Starting a Private Practice**  
Annie Purcell, DO, FAAPMR

**12:30 pm-1 pm**  
**How to Land the Fellowship You Want**  
Justin Weppner, DO, FAAPMR

**12:30 pm-1 pm**  
**CV Overview & Review**  
Justin Bishop, MD, MBA, MS

**1:30 pm-2 pm**  
**Thinking About General Physiatry?**  
Maria Grabnar, MD and Amy L. Tenaglia, MD

SATURDAY, NOVEMBER 16

**9:30 am-10 am**  
**Financial Strategies**  
Shawn Johnson, Financial Services Professional, Treloar & Heisel

RESIDENT CV REVIEW

Stop by to have your CV reviewed by an AAPM&R member.

THURSDAY, NOVEMBER 14

- 1:30 pm-2:30 pm**
- Tracey Isidro, MD
  - Chelsea Frost, MD, MS
  - Julie Witkowski, MD

FRIDAY, NOVEMBER 15

- 1:30 pm-2 pm**
- Donald Kasitinon, MD
  - Charles Kenyon, DO, MS
  - Nathaniel Zuziak, DO



FELLOWSHIP INSIGHTS

Ask questions, seek feedback or just meet a fellow AAPM&R member.

THURSDAY, NOVEMBER 14

- 5:30 pm-6 pm**
- Zachary Bailowitz, MD, FAAPMR

SATURDAY, NOVEMBER 16

- 11:30 am-12:30 pm**
- Stephanie Tow, MD, FAAPMR

Please check the mobile app for the most up-to-date schedule.



interactive  
**PROFESSOR****EARN**  
**0.50** CREDIT

# MANAGING OPIOID-INDUCED CONSTIPATION

## Translating Guidelines Into Patient Care

**THURSDAY**  
NOVEMBER 147:00 AM–11:15 AM  
12:30 PM–1:00 PM  
2:00 PM–5:00 PM**FRIDAY**  
NOVEMBER 157:00 AM–11:30 AM  
1:45 PM–5:00 PM**SATURDAY**  
NOVEMBER 167:00 AM–12:45 PM  
1:45 PM–5:00 PMProgram occurs  
throughout the day  
**EVERY  
MINUTES** **30**

### FACULTY

**Jeffrey A.  
Gudín, 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 treatment options 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

### 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/CE activity complies with all requirements of the federal Physician Payment Sunshine Act. If a reportable event is associated with this activity, the accredited provider managing the program will provide the appropriate physician data to the Open Payments database.

### Physician Credit Designation

Global Education Group designates this live activity for a maximum of 0.5 AMA PRA Category 1 Credit™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



### ABIM MOC Recognition Statement

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 0.5 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.

### Americans With Disabilities Act

Event staff will be glad to assist you with any special needs (ie, physical, dietary, etc). Please contact Nora Eldasher prior to the live event at neldasher@integritasgrp.com.

### Global Contact Information

For information about the accreditation of this program, please contact Global at 303-395-1782 or cme@globaleducationgroup.com.

This activity is jointly provided by Global Education Group and Integritas Communications.

This activity is supported by an educational grant from AstraZeneca.

### Why Immunogenicity Matters with Botulinum Toxin

Thursday, November 14  
12:45 pm–1:45 pm**PM&R PAVILION, LUNCH & LEARN A**

A look at the science behind potential immunogenicity in botulinum toxin and its meaning for you and your patients.

Speaker: Warner Carr, MD, FAAAAI, FAAAAI, FACP, Allergist and Immunologist

Supported by:



### Learn About a New Treatment Option for Pediatric Spasticity

Thursday, November 14  
12:45 pm–1:45 pm**PM&R PAVILION, LUNCH & LEARN B**

In this Lunch and Learn, Sally Evans, MD, FAAPMR, FAAP, Chief, Division of Physical Medicine and Rehabilitation at Children's National Medical Center, will discuss a new treatment option for pediatric spasticity.

Speaker: Sarah (Sally) Evans, MD, FAAPMR, FAAP, Chief, Division of Physical Medicine and Rehabilitation at Children's National Medical Center, Washington, DC

Supported by:



Check this out on the Meeting Level  
near the Member Solution Center!

## EDUCATIONAL FORUM:

Sponsored Educational Forums are set for 40 attendees in the Learning Center for a 20-minute presentation.

### Kinesio® Medical Taping Method for Busy Physiatrists and PM&R Residents-in-Training

Thursday, November 14  
6:05 pm–6:25 pm**PM&R PAVILION, LEARNING CENTER**

This presentation utilizes a lecture format and hands-on applications to provide current and accurate information about the Kinesio® Medical Taping Method; with the understanding of its core curriculum training designed to aid physiatrists and PM&R residents to maintain their professional expertise in dealing with patient care.

Speakers: John Henry Sloan, MD, MPH, CPE, FAAPMR and Christina M. Lujan, DC, CCSP®, AT, CKTI®

Supported by:



### Chronic Pain: Unmet Needs, New Frontiers

Friday, November 15  
12:45 pm–1:45 pm**PM&R PAVILION, LUNCH & LEARN A**

Speakers: Jimmy Mali, MD, EmergeOrtho and Steven P. Stanos, DP, Swedish Health System Pain Medicine and Services

Supported by:



### Advancing Patient Care and Technology in Spasticity

Friday, November 15  
12:45 pm–1:45 pm**PM&R PAVILION, LUNCH & LEARN B**

Learn about a new treatment option for pediatric upper limb spasticity and an app that brings new life for patient assessment and treatment.

Speakers: Edward Dabrowski, MD, Beaumont Hospital, Grosse Pointe, MI; Mark Gormley, MD, FAAPMR, Gillette Children's Specialty Healthcare, St. Paul, MN; Monica Verduzco-Gutierrez, MD, FAAPMR, TIRR Memorial Hermann Hospital, Houston, TX

Supported by:



### Insights into Adults Living with Spinal Muscular Atrophy

Saturday, November 16  
11:30 am–12:30 pm**PM&R PAVILION, LUNCH & LEARN A**


Speaker: Nanette Joyce, DO, FAAPMR, Physical Medicine and Rehabilitation Specialist, Patient Ambassador, Kane U

Supported by:






<b>1st Providers Choice - PM&amp;R EHR</b> <a href="http://www.1stproviderschoice.com">www.1stproviderschoice.com</a> IMS for Physical Medicine and Rehabilitation is a user-friendly, Fully Certified EHR, and Practice Management System. Providers across the country have helped us to customize the software for maximum efficiency and profitability in your practice. Save hours of time on visit notes and documentation with Physical Medicine specific templates.	<b>636</b>
<b>7D Imaging</b> <a href="http://www.7Dimaging.com">www.7Dimaging.com</a> Accelerated learning systems for MSK ultrasound. Used around the world. Basic to advanced content. Interventional and diagnostic. Sixty-six CME credits included.	<b>737</b>
<b>ABPMR</b> <a href="http://www.abpmr.org">www.abpmr.org</a> The American Board of Physical Medicine and Rehabilitation will provide information regarding online services, residency training, certification, subspecialty certification, and Maintenance of Certification* (MOC)*.	<b>1425</b>
<b>AcCELLerated Biologics, LLC</b> <a href="http://www.acceleratedbiologics.com">www.acceleratedbiologics.com</a> AcCELLerated Biologics, Delivering the Total Biologic™ since 1999, is a nationwide independent medical distribution company focused on consulting and providing the physician, their staff, and community with superior customer service and products related to platelet rich plasma, bone marrow aspirate and concentrate Adipose, Amniotic tissue/fluid, and other products that support the use of biologics.	<b>437</b>
<b>Adamis Pharma/US Compounding</b> <a href="http://www.uscompounding.com">www.uscompounding.com</a>	<b>447</b>
<b>Advanced Arm Dynamics</b> <a href="http://www.armdynamics.com">www.armdynamics.com</a> Advanced Arm Dynamics specializes in providing the most technologically-advanced upper limb prosthetic rehabilitation in the world. Their comprehensive approach includes individualized evaluation and fitting, on-site occupational therapy, a complete wellness inventory, and assistance with insurance authorization. The multidisciplinary clinical team works with thousands of patients across the United States.	<b>533</b>
<b>Allergan Medical Affairs</b> <a href="http://www.allergan.com/home">www.allergan.com/home</a> Allergan plc (NYSE: AGN), is a bold, global pharmaceutical company focused on developing, manufacturing, and commercializing branded pharmaceuticals, devices, and biologic products for patients around the world.	<b>801</b>
<b>Allergan, Inc.</b> <a href="http://www.allergan.com/home">www.allergan.com/home</a> Allergan plc (NYSE: AGN), is a bold, global pharmaceutical company focused on developing, manufacturing, and commercializing branded pharmaceuticals, devices, and biologic products for patients around the world.	<b>909</b>
<b>Alliance Labs</b> <a href="http://www.enemeez.com">www.enemeez.com</a> Enemeez® non-irritating formula produces complete evacuation usually within 2-15 minutes*. Easy twist-off tip; also available with soothing Benzocaine. Enemeez® is effective for bowel care needs associated with spinal cord injury and disease and general constipation. *Federal Reg/Vol. 50, No. 10/Tues, January 15, 1985/ Proposed Rules; pgs. 2124-2158.	<b>536</b>
<b>Ambu, Inc.</b> <a href="http://www.ambuusa.com">www.ambuusa.com</a> Ambu, Inc. develops, produces, and markets diagnostic and life-supporting devices for hospitals and rescue services. Our primary products are ventilation products for artificial respiration, electrodes for ECG tests and neurophysiological tests, and manikins for first aid training.	<b>830</b>

<b>Amputee-Coalition</b> <a href="http://www.amputee-coalition.org">www.amputee-coalition.org</a>	<b>1242</b>
<b>APCA</b> <a href="http://www.APCA.org">www.APCA.org</a> The Alliance for Physician Certification and Advancement™ (APCA™), established in 2016, exclusively serves the physician community of more than 21,000 physicians in support of their enduring commitment to continual learning and providing high-quality and compassionate patient care through certification.	<b>1040</b>
<b>Aretech, LLC</b> <a href="http://www.aretechllc.com">www.aretechllc.com</a> Aretech is a world leader in developing advanced rehabilitation technologies. The ZeroG Gait and Balance System is a robotic body-weight support system designed for a wide range of patients as they practice functional activities of daily living. Aretech's new Ovation is an all-inclusive rehabilitation system for patients up to 700 lbs.!	<b>819</b>
 <b>Arthrex, Inc.</b> <a href="http://www.arthrex.com">www.arthrex.com</a> As an innovation leader in sports medicine and less invasive orthopedics, Arthrex's orthobiologics product lines represent the next generation in orthobiologics with comprehensive solutions for the rapidly advancing field of regenerative medicine. Arthrex is dedicated to its mission of Helping Surgeons Treat Their Patients Better™.	<b>401</b>
<b>Aspen Medical Products</b> <a href="http://www.aspenmp.com">www.aspenmp.com</a> Aspen Medical Products is a leader in the development of innovative spinal bracing for post-trauma stabilization, pre-and-post surgical stabilization, pain management, and long-term patient care. Aspen Medical Products offers multiple orthotic options that provide unsurpassed motion restriction, superior comfort and an economic advantage, encouraging better patient compliance.	<b>1306</b>
<b>Association of Academic Physiatrists (AAP)</b> <a href="http://www.physiatry.org">www.physiatry.org</a> The Association of Academic Physiatrists (AAP) is an intimate and influential professional society of today's and tomorrow's leaders in academic physiatry. With a keen focus on research and education, AAP's programs, events, communities, and publications are creating the future of our specialty.	<b>1545</b>
<b>Avanos Medical</b> <a href="http://www.halyardhealth.com">www.halyardhealth.com</a> Avanos Medical is a medical technology company focused on preventing infection, eliminating pain, and speeding recovery by delivering clinically-superior products and service that help advance health and health care worldwide.	<b>1426</b>
<b>Avcor Healthcare Products</b> <a href="http://www.avcorhealth.com">www.avcorhealth.com</a>	<b>647</b>
<b>Basic Home Infusion</b> <a href="http://www.basichomeinfusion.com">www.basichomeinfusion.com</a> Basic Home Infusion (BHI) is a national home infusion company that provides a better quality of life through effective pump management. Specializing only in intrathecal therapies, BHI provides refills and management of implanted pumps for both specialty and chronic pain.	<b>546</b>
<b>Baylor Scott &amp; White Health</b> <a href="http://www.bswhealth.com">www.bswhealth.com</a>	<b>1342</b>
<b>Baylor Scott &amp; White Institute for Rehabilitation</b> <a href="http://www.baylorhealth.com">www.baylorhealth.com</a> As the largest rehabilitation system in Texas, Baylor Scott & White Institute for Rehabilitation draws patients from around the world. BSW Rehab is designated by the National Institute for Disability, Independent Living, and Rehabilitative Research as a model system for the treatment of patients with traumatic brain injuries.	<b>624</b>

## Baystate Health

<b>Baystate Health</b> <a href="http://www.choosebaystatehealth.org">www.choosebaystatehealth.org</a> Baystate Health (BH) is western Massachusetts' premier health care provider and home to the University of Massachusetts Medical School - Baystate. The cornerstone of our organization is Baystate Medical Center, a 716-bed tertiary care hospital which boasts the state's single busiest ED and the region's only Level-1 trauma center.	<b>1243</b>
<b>BioDelivery Sciences International, Inc.</b> <a href="http://www.bdsi.com">www.bdsi.com</a>	<b>441</b>
<b>Biogen</b> <a href="http://www.biogen.com">www.biogen.com</a>	<b>1145</b>
<b>Bioness, Inc.</b> <a href="http://www.bioness.com">www.bioness.com</a> Bioness is the leading provider of innovative technologies helping people regain mobility and independence. Bioness solutions include external and implantable functional electrical stimulation (FES) systems, robotic systems, and software-based therapy programs providing functional and therapeutic benefits for individuals affected by pain, central nervous system disorders, and orthopedic injuries.	<b>1109</b>
<b>Biophytis, Inc.</b> <a href="http://www.biophytis.com">www.biophytis.com</a>	<b>449</b>
<b>Boiron</b> <a href="http://www.boironusa.com">www.boironusa.com</a> Boiron, world leader in homeopathic medicines, is best known for Oscilloccinum, a top-selling flu medicine, and its Arnicare line of pain relievers. Since 1932, Boiron has been committed to funding scientific research and educating the public and health care professionals on homeopathic medicines.	<b>501</b>
<b>Brooks Rehabilitation</b> <a href="http://www.brooksrehab.org">www.brooksrehab.org</a> Brooks Rehabilitation 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.	<b>529</b>
<b>Bryn Mawr Rehab Hospital</b> <a href="http://www.mainlinehealth.org/brynmawrrehab">www.mainlinehealth.org/brynmawrrehab</a> Bryn Mawr Rehab 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.	<b>912</b>
<b>Burke Rehabilitation Hospital</b> <a href="http://www.burke.org">www.burke.org</a>	<b>936</b>
<b>Butterfly Network</b> <a href="http://www.butterflynetwork.com">www.butterflynetwork.com</a>	<b>542</b>
<b>Cadwell Laboratories, Inc.</b> <a href="http://www.cadwell.com">www.cadwell.com</a> Cadwell is proud to introduce Sierra 3.1 EMG/NCS with fully-integrated ultrasound. We will be presenting in the Learning Center within the PM&R Pavilion as well. Sierra is the only EMG/NCS machine on the market to fully integrate ultrasound on the same system. You can run EMG and ultrasound at the same time.	<b>1319</b>

<b>California Rehabilitation Institute</b> <a href="http://www.californiarehabilitationinstitute.com">www.californiarehabilitationinstitute.com</a> California Rehabilitation Institute, 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.	<b>625</b>
<b>Calmoseptine, Inc.</b> <a href="http://www.calmoseptine.com">www.calmoseptine.com</a> Calmoseptine® Inc. promotes Calmoseptine® Ointment for the prevention and treatment of skin irritations from moisture such as urinary and fecal incontinence. It is also effective for irritations from perspiration, wound drainage, fecal, and vaginal fistulas and feeding tube site leakage. Calmoseptine® Ointment temporarily relieves discomfort and itching.	<b>843</b>
 <b>CAREstream America</b> <a href="http://www.carestreamamerica.com">www.carestreamamerica.com</a>	<b>746</b>
<b>CARF International</b> <a href="http://www.carf.org">www.carf.org</a> Founded in 1966, CARF 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.	<b>1544</b>
<b>Carolinas Rehabilitation</b> <a href="http://www.atriumhealth.org/rehabilitation">www.atriumhealth.org/rehabilitation</a> As the world's first CARF-accredited cancer program and one of the largest not-for profit rehabilitation providers in the nation, Carolinas Rehabilitation treats brain and spinal cord injury, stroke, cancer, pediatrics, and other injuries and diseases in the inpatient and outpatient settings.	<b>813</b>
 <b>Children's Healthcare of Atlanta Rehab Services</b> <a href="http://www.choa.org/rehab">www.choa.org/rehab</a> Children's Healthcare of Atlanta, Inpatient Rehabilitation, offers therapy designed for pediatrics, adolescents, and young adults (birth to 21-years-old) 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.	<b>1542</b>
<b>CIR Systems, Inc./GAITrite®</b> <a href="http://www.gaitrite.com">www.gaitrite.com</a> GAITrite's Portable Gait Analysis Systems 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; use with/without assistive devices. GAITrite's rollout walkway: minimal setup (1 min); quick, easy, accurate data collection, multiple report generation.	<b>409</b>
<b>Cleveland Clinic</b> <a href="http://www.ccf.org">www.ccf.org</a> 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 surgeons and medical specialists who share their subspecialty interests. Cleveland Clinic's unique health care delivery system helps patients maintain good health and improve their function.	<b>629</b>





**Codex Medical Billing, LLC** **643**  
[www.codexmedical.com](http://www.codexmedical.com)  
Codex Medical Billing is a national health care revenue cycle management company servicing Physical Medicine and Rehabilitation practices and physicians.



**Concentra** **1518**  
[www.concerta.com](http://www.concerta.com)  
Concentra has been leading the workforce health industry since 1979. Today, we're the nation's largest provider of workforce health. We provide a full suite of services for employers and their workers, from injury care and workforce health to physical therapy, regulatory tests, wellness, and more.

**Coyote Prosthetics and Orthotics** **540**  
[www.strollnshoe.com](http://www.strollnshoe.com)

**CuraMedix, LLC** **503**  
[www.curamedix.com](http://www.curamedix.com)  
CuraMedix is the U.S. distributor of Storz Medical EPAT devices and an emerging leader in the medical technology field focused on regenerative medicine and non-invasive healing solutions, including Extracorporeal Pulse Activation Technology (EPAT), for treating acute and chronic musculoskeletal pain.

**Cutting Edge Laser Technologies** **1305**  
[www.celasers.com](http://www.celasers.com)  
Cutting Edge Laser Technologies offers a line of patented and clinically validated therapy lasers for the progressive practitioner. MLS\* (Multi-Wave Locked System) Laser Therapy is quickly becoming the standard of care for alleviating pain, reducing inflammation, and speeding recovery without the risk of heating tissue.

**Cyberdyne USA, Inc.** **1244**  
[www.cyberdyne.jp/english](http://www.cyberdyne.jp/english)

**Demos Medical Publishing** **1007**  
[www.demoswebpub.com](http://www.demoswebpub.com)  
Demos Medical Publishing is a publishing leader in PM&R and related disciplines

**Depuy Synthes Mitek** **943**  
[www.depuyssynthes.com](http://www.depuyssynthes.com)

**Desin, LLC - Obi** **741**  
[www.meetobi.com](http://www.meetobi.com)

**DIERS Medical Systems** **726**  
[www.diersmedical.com](http://www.diersmedical.com)  
DIERS Medical Systems is an innovative company offering a comprehensive portfolio of biomedical measurement systems for diagnosis and therapy.

**Easy Walking, Inc.** **1106**  
[www.easy-walking.com](http://www.easy-walking.com)  
Easy Walking, Inc. is the maker of the Up n' Go and the Up n' Free. Two dynamic body weight support Gait Trainers over ground, is excited to introduce the Up n' Tread. A new body weight support over treadmill. Featuring: • Easy in and out • Dynamic standing • True weight shifting over treadmill • Available for adults and children.

**EB Neuro SPA** **1143**  
[www.ebneuro.com](http://www.ebneuro.com)  
EB Neuro is an historical worldwide player in design and manufacturing of Neurophysiology devices. It distributes its MADE IN ITALY products all over the world. EB Neuro Products Lines: - EMG/ NCS and EP/ERP Systems - TMS/rTMS and Neuronavigation Systems - EEG/VideoEEG/LTM/PSG Systems - Holter EEG/PSG Systems - Neurodiagnosis Systems for ICU, aEEG (CFM).

**Ekso Bionics** **1437**  
[www.eksobionics.com](http://www.eksobionics.com)  
Ekso Bionics'(TM) Ekso GT(TM) robotic exoskeleton for gait training is designed to enable individuals with weakness or paralysis of the lower limbs, due to spinal cord injury (SCI), stroke, and other conditions causing lower extremity weakness, to walk overground.

**Electromedical Products International, Inc.** **606**  
[www.alpha-stim.com](http://www.alpha-stim.com)

**Elsevier, Inc.** **707**  
[www.elsevierhealth.com](http://www.elsevierhealth.com)  
Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

**Encompass Health** **1205**  
[www.encompasshealth.com](http://www.encompasshealth.com)  
Encompass Health offers facility-based and home-based patient care through its network of inpatient rehabilitation hospitals, home health agencies, and hospice agencies. With a national footprint that spans 37 states and Puerto Rico, the Company is committed to delivering high-quality, cost-effective care across the post-acute continuum.

**Farr Healthcare** **607**  
[www.farrhealthcare.com](http://www.farrhealthcare.com)  
Farr Healthcare, Inc. is a physician recruitment firm that specializes in psychiatry recruitment. Linda Farr has been in the physician recruitment field for 30+ years and in psychiatry recruitment for 20+ years. She is known for her honesty, reliability, and effectiveness.

**Fidia Pharma USA** **742**  
[www.fidiapharma.us](http://www.fidiapharma.us)  
Fidia Pharma USA Inc. is a fully-owned subsidiary of Fidia Farmaceutici S.p.A., a global pharmaceutical leader in hyaluronic acid (HA) based products. Since its inception, our team of professionals has focused on expanding Fidia's position in the U.S. and Canadian market, providing its customers with unique, innovative, and reliable HA-based treatment options.

**FIG Education** **413**  
[www.figeducation.com](http://www.figeducation.com)  
FIG is an internationally-recognized educational provider, mentor, and coach in the field of Life Care Planning. FIG's Life Care Planning classes are the perfect way to grow your career! As a Life Care Planner, we transitioned from a clinical setting to working from home and spending quality time with family; earning on average \$400+/hour.



**Flowonix** **1236**  
[www.flowonix.com](http://www.flowonix.com)  
Flowonix Medical, Inc. is committed to working with health care professionals to enhance patients' lives through targeted drug delivery innovation and therapy advancements. Our work aims to provide physicians an optimal solution for the treatment of numerous neurological disorders, helping their patients improve their overall quality of living.

**Foundation for PM&R** **1442**  
[www.foundationforpmr.org](http://www.foundationforpmr.org)  
The Foundation for PM&R is committed to restoring health, improving function, minimizing pain, and enhancing quality of life for individuals with disability through research and education in PM&R. Visit our booth to meet Board members, find out about available research grant support, and pick up your race packet (bib and t-shirt) for the Rehab 5k Run/Walk & Roll.

**Foundation for the Advancement of Wound Care** **1447**  
[www.fawconline.org](http://www.fawconline.org)  
The Foundation for the Advancement of Wound Care (FAWC) was established in 2018 to support the American Board of Wound Medicine and Surgery (ABWMS). The Foundation promotes the certification of physicians in the field of wound care.

**Fujifilm Sonosite** **818**  
[www.sonosite.com](http://www.sonosite.com)  
SonoSite hepled pioneer the concept of portable, point-of-care ultrasound, and it continues to be a world-leading manufacturer and innovator of bedside ultrasound systems. SonoSite's portable, compact systems are expanding the use of ultrasound across the clinical spectrum by cost effectively bringing high-performance ultrasound to the point of patient care.

**Gaylord Specialty Healthcare** **403**  
[www.gaylord.org](http://www.gaylord.org)  
Gaylord Specialty Healthcare has the only CARF-accredited Stroke Specialty and Spinal Cord Injury Specialty programs in CT, and the only transitional living facility in the state for acquired brain injury. Gaylord is part of the model SCI system of which there are 14 centers in the nation. Our signature programs are Stroke, Spinal Cord Injury, Traumatic Brain Injury, Pulmonary, and Complex Medical Care.

**GE Healthcare** **642**  
[www.gehealthcare.com](http://www.gehealthcare.com)  
GE is making a new commitment to health. Healthy-magination will change the way people approach health care, with more than 100 innovations focused on addressing 3 critical needs: lowering costs, touching more lives, and improving quality.

**Gorbel, Inc.** **539**  
[www.gorbelrehabilitation.com](http://www.gorbelrehabilitation.com)

**Hanger Clinic** **1331**  
[www.hangerclinic.com](http://www.hangerclinic.com)  
With a network of more than 750 Patient Care Clinics in the country, Hanger Clinic is by far the largest and most experienced prosthetic and orthotic provider in the nation. We specialize in Empowering the Human Potential of our patients through creating customized devices to meet their needs.

**Helen M. Simpson/Penn State Rehab** **630**  
**Hocoma/Motek** **1001**  
[www.hocoma.com](http://www.hocoma.com)  
Hocoma is the global market leader for the development, manufacturing, and marketing of robotic and sensor-based medical devices for functional movement therapy. Motekforce Link is the global leader in virtual reality technology for research and rehabilitation.

**H-Wave** **1136**  
[www.h-wave.com](http://www.h-wave.com)

**iFit Prosthetics** **1536**  
[www.ifitprosthetics.com](http://www.ifitprosthetics.com)  
We are excited to announce that we have the only immediate fit prosthetic device. With our adjustable system you will be able to successfully have your patient walking in less than 2 hours. This is a great tool to expedite the whole process with your patients. Giving better outcomes in many facets.

**Incrediwear** **1337**  
[www.incrediwear.com](http://www.incrediwear.com)

**Infinite Therapeutics** **937**  
[www.infinitymassagechairs.com](http://www.infinitymassagechairs.com)  
Infinity Massage Chairs is the fastest-growing massage chair brand in North America, with an A+ rating from the Better Business Bureau. Our mission is to improve the health and wellness of our customers to live more comfortably and make the most of every day.

**Integrated Rehab Consultants** **1423**  
[www.irehabconsultants.com](http://www.irehabconsultants.com)  
IRC is a physician-owned organization dedicated to providing a higher level of post-acute care, allowing physicians the opportunity to work for themselves while having the backing of a national organization.

**Integrative Physiatriy** **1237**  
[www.iphysiatry.com](http://www.iphysiatry.com)  
Improve More Lives with Integrative Physiatriy! Join our vision to revolutionize patient care through doctor care. By improving the lives of our doctors, we in turn improve patient care. Happy Doctors = Happy Patients. We are a community of local doctors that service skilled nursing facilities nationwide.

**Ipsen Biopharmaceuticals, Inc.** **901**  
[www.ipsenus.com](http://www.ipsenus.com)  
Ipsen Biopharmaceuticals, Inc. is the U.S. affiliate of Ipsen (Euronext: IPN; ADR: IPSEY), a global biopharmaceutical group focused on innovation and specialty care. The company is dedicated to providing hope for patients whose lives are challenged by difficult-to-treat diseases.

**iWALKFree, Inc.** **548**  
[www.iwalk-free.com](http://www.iwalk-free.com)

**JFK - Johnson Rehabilitation Institute** **831**  
[www.jfkhealth.org](http://www.jfkhealth.org)  
JFK Johnson Rehabilitation Institute is the Department of PM&R for Rutgers RWJ Medical School. Our nationally renowned rehabilitation institute includes a full range of services from Orthopedics to Traumatic Brain Injury for adults and pediatric patients who are treated by top specialists in the country for every rehabilitation need.

**Kennedy Krieger Institute** **1203**  
[www.KennedyKrieger.org](http://www.KennedyKrieger.org)  
Kennedy Krieger Institute is internationally-recognized for improving the lives of 24,000 children and young adults with disorders and injuries of the brain, spinal cord, and musculoskeletal system each year, through inpatient and outpatient clinics, home and community services, and school-based programs.

**Kessler Institute for Rehabilitation** **618**  
[www.kessler-rehab.com](http://www.kessler-rehab.com)  
Kessler Institute is one of only eight NIDRR-designated Model Systems for the treatment and research of both traumatic brain and spinal cord injuries. That same pioneering care distinguishes Kessler's programs for stroke, neurological diseases, amputation, orthopedics, cancer, and cardiac recovery. Ranked one of the top rehabilitation hospitals by *U.S. News & World Report*, Kessler, is the nation's largest single center of its kind.

**Kinesio USA** **736**  
[www.kinesiotaping.com](http://www.kinesiotaping.com)

**Konica Minolta Healthcare Americas, Inc.** **731**  
[www.konicaminolta.com/medicalusa](http://www.konicaminolta.com/medicalusa)  
Konica Minolta Healthcare is a world-class provider and market leader in medical diagnostic imaging and health care information technology. With more than 75 years of endless innovation, Konica Minolta is globally-recognized as a leader providing cutting-edge technologies and support aimed at providing real solutions.

**Legacy Physiatriy Group** **837**  
[www.legacyphysiatry.net](http://www.legacyphysiatry.net)  
Legacy Physiatriy Group specializes in providing dedicated PM&R services to individuals receiving therapy to health care facilities offering rehabilitative services. Our purpose is to assist the facility's rehabilitation team with the initial evaluation and ongoing treatment of individuals presenting with a wide-range of debilitating diseases and conditions.

**Lipogems** **1303**  
[www.lipogems.eu](http://www.lipogems.eu)  
LIPOGEMS® is a cutting-edge technology that gently microfragments the patient's adipose tissue to achieve a minimally manipulated and naturally structural product that preserves the cell and tissue microarchitecture. The FDA-cleared LIPOGEMS® device removes inflammatory agents and resizes the tissue for injection in orthopaedics and arthroscopic surgery.



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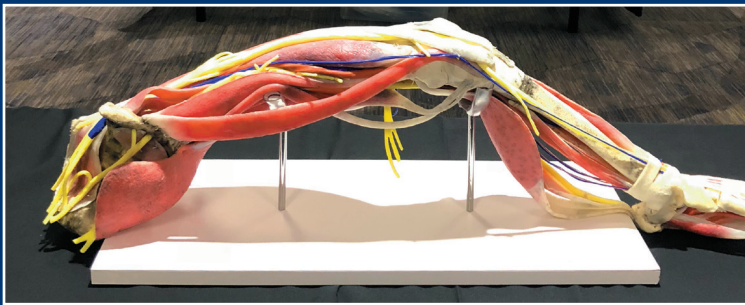
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Henry B. González Convention Center  
American Academy of Physical Medicine  
and Rehabilitation Annual Meeting




Speaker:

Sally Evans, MD  
Pediatric Neurologist  
Children's Hospital of  
Philadelphia (CHOP)

Visit Booth  
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<b>Logistics Health Incorporated</b> <a href="http://www.logisticshealth.com">www.logisticshealth.com</a> 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.	411	<b>Mount Sinai Health System</b> <a href="http://www.mountsinai.org">www.mountsinai.org</a>	1538
<b>Mary Free Bed Rehabilitation Hospital</b> <a href="http://www.maryfreebed.com">www.maryfreebed.com</a> 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.	609	<b>Movendo Technology SRL</b> <a href="http://www.movendo.technology">www.movendo.technology</a> 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.	601
<b>Mayo Clinic</b> <a href="http://www.mayoclinic.org">www.mayoclinic.org</a>	725	<b>Multi Radiance Medical</b> <a href="http://www.multiradiance.com">www.multiradiance.com</a> 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-vitro, in-vivo, in laboratory trials, and clinical trials.	839
<b>MedStar National Rehabilitation Network</b> <a href="http://www.MedStarNRH.org">www.MedStarNRH.org</a> 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.	700	<b>MyndTec, Inc.</b> <a href="http://www.myndtec.com">www.myndtec.com</a>	641
<b>Medtronic</b> <a href="http://www.professional.medtronic.com">www.professional.medtronic.com</a> 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.	711	<b>Myomo</b> <a href="http://www.myomo.com">www.myomo.com</a> 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.	1443
<b>Merz Pharmaceuticals, LLC</b> <a href="http://www.merzusa.com">www.merzusa.com</a> 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.	701	<b>Myoscience</b> <a href="http://www.ioverahealth.com">www.ioverahealth.com</a> Myoscience, the creator of the iovera® system, is a medical technology company that has harnessed the natural healing 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.	939
<b>MiMedx</b> <a href="http://www.mimedx.com">www.mimedx.com</a> MiMedx® is a biopharmaceutical company developing, manufacturing, and marketing regenerative biologics utilizing human placental allografts and patent-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.	1201	<b>NASS</b> <a href="http://www.spine.org">www.spine.org</a> 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.	724
<b>Miner/Mason &amp; Associates</b> <a href="http://www.minermason.com">www.minermason.com</a> 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.	531	<b>National Health Rehabilitation</b> <a href="http://www.nationalhealthrehab.com">www.nationalhealthrehab.com</a> 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 our patient's quality of life.	1338
<b>MossRehab</b> <a href="http://www.mossrehab.com">www.mossrehab.com</a> MossRehab, ranked among the nation's top 10 rehabilitation hospitals by <i>U.S. News &amp; World Report</i> , 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.	807	 <b>Nature-Fit</b>	407
		<b>Natus Neuro</b> <a href="http://www.natus.com">www.natus.com</a> Natus Neuro is a global market leader that provides diagnostic, therapeutic, and surgical solutions built on a strong heritage in neurodiagnostics, neurocritical 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.	924





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<b>NEXTlocums</b> <a href="http://www.nextlocums.com">www.nextlocums.com</a> NEXTLocums places physicians in locum tenens and permanent placement opportunities for all specialties, with a specialization in PM&R. Whether you are looking for a locum tenens assignment or a direct placement opportunity, we can help you find the right position. We can assist you in finding short- or long-term coverage for your existing or expanding practice.	1301	<b>Pentec Health</b> <a href="http://www.pentechealth.com">www.pentechealth.com</a> Pentec Health, Inc. is a Joint Commission-accredited specialty pharmacy and infusion provider that specializes in providing comprehensive care for patients with implanted pumps treating severe pain and/or spasticity. Our proprietary electronic communications platform ensures all disciplines remain informed and focused on improving patient outcomes.	1445
<b>Novus Pain Management</b> <a href="http://www.novuspain.com">www.novuspain.com</a>	640	<b>Penumbra, Inc.</b> <a href="http://www.penumbrainc.com">www.penumbrainc.com</a>	547
<b>Ochsner Health System</b> <a href="http://www.ochsner.org">www.ochsner.org</a> Driven by a mission to Serve, Heal, Lead, Educate, and Innovate, coordinated clinical and hospital patient care is provided across the region by Ochsner's 30 owned, managed and affiliated hospitals and more than 80 health centers and urgent care centers. Ochsner is the only Louisiana hospital recognized by <i>U.S. News &amp; World Report</i> .	502	<b>Pfizer and Lilly</b> <a href="http://www.chronicpaindrivers.com">www.chronicpaindrivers.com</a> The collaboration between Pfizer and Lilly reflects the commitment of both organizations to scientific innovation in pain. Pfizer and Lilly colleagues around the world are devoting their passion and scientific expertise to advancing the understanding of chronic pain with the goal of improving patient treatment, care, and outcomes.	1043
<b>Organogenesis Surgical &amp; Sports Medicine</b> <a href="http://www.organogenesis.com">www.organogenesis.com</a> Organogenesis Surgical & Sports Medicine offers a portfolio of bioactive and acellular biomaterials products in advanced wound care and surgical biologics, including orthopedics and spine. Organogenesis' versatile portfolio is designed to treat a variety of patients with repair and regenerative needs.	525	<b>Philips</b> <a href="http://www.philips.com">www.philips.com</a> At Philips, we look beyond technology to the experiences of patients, providers, and caregivers across the health continuum from healthy living to prevention, diagnosis, treatment, and home care. We unlock insights leading to innovative solutions that help deliver better care at lower costs. It's a unique perspective empowering us all to create a healthier future.	1137
<b>Ossur Americas</b> <a href="http://www.ossur.com">www.ossur.com</a> Ossur is a global leader in the design and manufacture of innovative prosthetics and OA & Injury Solutions for pain management and rehabilitation. Our industry-leading products include: POWER KNEE®, PROPRIO FOOT®, RHEO KNEE®, Pro-Flex®, I-Limb, CTi®, The Unloader®, Form Fit®, Innovator®, Miami Lumbar® and Rebound®.	719	<b>Physician Life Care Planning</b> <a href="http://www.physicianlcp.com">www.physicianlcp.com</a> We are physician life care planners in a field in which less than 1% of life care planners are qualified physicians. As practicing MDs who specialize in physical medicine & rehabilitation, we possess the requisite expertise to independently formulate and defend recommendations for ongoing medical care.	519
<b>Ottobock</b> <a href="http://www.victhom.com">www.victhom.com</a>	1400	<b>Piramal Critical Care</b> <a href="http://www.piramal.com">www.piramal.com</a> With nearly 20 years in the health care industry, Piramal Critical Care, (PCC) is committed to delivering critical care solutions to patients and health care providers worldwide. PCC is leading the way in intrathecal medicine with offerings for pain and spasticity management while representing a culture built on collaboration, innovation, and service.	1110
<b>Pain Care Labs</b> <a href="http://www.paincarelabs.com">www.paincarelabs.com</a> FDA-registered, 510(k)-cleared devices: Treat myofascial pain caused by trigger points, restricted motion, and muscle tension. Mechanical Oscillatory Strain Therapy/MOST recruits the body's pain response system to stop pain. Our wearable therapies attach comfortably anywhere from head to toe. Solid Ice + Patented Amplitude + Compression = Relief.	743	<b>Post Acute Medical, LLC</b> <a href="http://www.postacutemedical.com">www.postacutemedical.com</a> Founded in 2006, Post Acute Medical has grown to become a leading specialty hospital company. Our focus is on providing high-quality, health care through a system of 27 surgical, specialty, and inpatient rehabilitation hospitals in 8 states.	506
<b>Pain Medicine News</b> <a href="http://www.painmedicineneeds.com">www.painmedicineneeds.com</a> Pain Medicine News (PMN), the best-read pain publication in the United States according to Kantar Media, is mailed 10 times annually to 46,450 pain-treating physicians. This newspaper offers extensive coverage of pain-related presentations at major clinical meetings, presents in-depth clinical and educational reviews written by thought-leaders.	1427	<b>ProtoKinetics Gait Analysis Walkways</b> <a href="http://www.protokinetics.com">www.protokinetics.com</a> The Zeno Electronic Walkway powered by PKMAS software has become the most popular "gait mat" technology in the world. Postural control, dynamic balance, and transitional gait performance [starting, turning, braking] are critical components to quantify in clinical practice. The PKMAS Primary Gait Screen (PGS) addresses these transitional movements in a single test.	1431
<b>Parker Hannifin</b> <a href="http://www.indego.com">www.indego.com</a> Indego® is an exoskeleton which allows gait impaired individuals to stand up and walk again thanks to powered hip and knee joints in conjunction with sensor technology and sophisticated control strategies. Indego can be used as a therapy tool or as a mobility assistive device for individuals.	1009	<b>Pt Pal</b> <a href="http://www.ptpal.com">www.ptpal.com</a> Pt Pal is an app and cloud-based clinical platform that allows doctors, therapists, and clinical researchers to send therapies, activities, information, and surveys to the patient's mobile device and provide real-time feedback and actionable data.	510
<b>Penn State Health Milton S. Hershey Medical Center</b> <a href="http://www.pennstatehershey.org">www.pennstatehershey.org</a> Currently led by Lori Grafton, MD, FAAPMR, Penn State Hershey Medical Center's Department of Physical Medicine & Rehabilitation was established in 2010. Its administrative offices and outpatient clinics are located in the Penn State Hershey Rehabilitation Hospital in Hummelstown, PA.	527		

Exhibiting companies submitted exhibitor profiles; slight modifications may have been made to correct typos and maintain AAPM&R brand standards.



# 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](http://JFKJohnson.org)

<b>QTC Medical Services, A Leidos Co.</b> <a href="http://www.qtcm.com">www.qtcm.com</a> QTC, a Leidos Company, is the largest private provider of government-outsourced occupational health and disability examination services in the nation.	<b>1402</b>	<b>Rochester Electro-Medical, Inc.</b> <a href="http://www.advantagemed.com">www.advantagemed.com</a> Rochester (Lifesync), 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, NIPB, IBP, EMG, EEG, IOM, PSG, EP, and Cath Labs.	<b>838</b>
<b>Quinn Medical   Thuasne USA</b> <a href="http://www.thuasneusa.com">www.thuasneusa.com</a> Quinn Medical offers a full line of spinal compression braces with its innovative SLEEQ Spinal Therapy System. Due to its breakthrough InvisiAdjust™ 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.	<b>1436</b>	<b>Rusk Rehabilitation at NYU Langone Medical Center</b> <a href="http://www.nyumc.org">www.nyumc.org</a> 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.	<b>710</b>
<b>Rancho Los Amigos National Rehab Center</b> <a href="http://www.rancho.org">www.rancho.org</a>	<b>1404</b>	<b>RxFunction, Inc.</b> <a href="http://www.rxfunction.com">www.rxfunction.com</a> RxFunction™ is 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 not yet available for sale.	<b>500</b>
<b>Regenexx</b> <a href="http://www.regenexx.com">www.regenexx.com</a> 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.	<b>537</b>	<b>Saebo</b> <a href="http://www.saebo.com">www.saebo.com</a> Saebo, Inc., is a leading global provider of affordable evidenced-based therapy solutions for individuals suffering from impaired mobility and function. Headquartered in Charlotte, NC, the company was founded in 2001 by 2 occupational therapists specializing in upper limb recovery.	<b>637</b>
<b>Reha Technology USA</b> <a href="http://www.rehatechnology.com">www.rehatechnology.com</a> 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.	<b>1211</b>	<b>SafeGait</b> <b>Sanford Health</b> <a href="http://www.sanfordhealth.org">www.sanfordhealth.org</a> Sanford Health is one of the largest health care systems in the nation, with 44 hospitals and nearly 300 clinics in 9 states and 4 countries. Headquartered in Sioux Falls, South Dakota, and serving the upper Midwest, making it the largest employer in the Dakotas.	<b>360</b> <b>523</b>
<b>Restorative Therapies</b> <a href="http://www.restorative-therapies.com">www.restorative-therapies.com</a> Restorative Therapies (RTI), leader in (FES) powered systems since 2005, manufactures therapeutic devices for critical care and neurological rehabilitation targeting upper and lower extremities along with core muscle groups. RTI devices provide a unique, unparalleled approach to FES with a continuum of care from injury/onset to home-based therapy.	<b>1311</b>	<b>Saol Therapeutics</b> <a href="http://www.saolrx.com">www.saolrx.com</a> Saol Therapeutics (pronounced "Sail") is a privately-held specialty pharmaceutical company focused on providing therapies to patients with serious medical conditions. Saol is the new strategic partner with Medtronic in the advancement of ITB Therapy <sup>SM</sup> (intrathecal baclofen therapy) with Lioresal® Intrathecal (baclofen injection).	<b>728</b>
<b>ReWalk™ Robotics</b> <a href="http://www.rewalk.com">www.rewalk.com</a> ReWalk is a wearable robotic exoskeleton that provides powered hip and knee motion to enable individuals with SCI to stand upright and walk. ReWalk's mission is to fundamentally change the health and life experiences of individuals with spinal cord injury.	<b>611</b>	<b>Select Medical Corporation</b> <a href="http://www.selectmedical.com">www.selectmedical.com</a> 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.	<b>619</b>
<b>RGS Healthcare</b> <a href="http://www.rgshealthcare.com">www.rgshealthcare.com</a> 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.	<b>1036</b>	<b>Select Rehabilitation Hospital</b> <a href="http://www.sanantonio-rehab.com">www.sanantonio-rehab.com</a>	<b>628</b>
<b>Rhino Medical Services</b> <a href="http://www.rhinomedical.com">www.rhinomedical.com</a> Rhino Medical Services is a full-service health care staffing company that ensures effective staffing solutions for rehabilitation centers, outpatient medical clinics, hospitals, government health care facilities, and free-standing ERs on a national scale.	<b>638</b>	<b>Shepherd Center</b> <a href="http://www.shepherd.org">www.shepherd.org</a> 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 <i>U.S. News &amp; World Report</i> among the top 10 rehabilitation hospitals in the nation.	<b>1418</b>
		<b>Shirley Ryan AbilityLab</b> <a href="http://www.sralab.org">www.sralab.org</a> 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 <i>U.S. News &amp; World Report</i> .	<b>1300</b>



# Raising the bar for *inpatient* and *day* *rehabilitation* *services*

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:

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  - 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® for nursing excellence

## Learn more or make a referral:

404-785-2274 [choa.org/rehab](http://choa.org/rehab)



## EXHIBITOR PROFILES

**Southcentral Foundation** 942  
[www.southcentralfoundation.com/employment/physician-opportunities](http://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** 1325  
[www.spauldingrehab.org](http://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** 941  
[www.spineintervention.org](http://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.** 541  
[www.sprtherapeutics.com](http://www.sprtherapeutics.com)

**Styku** 740  
[www.styku.com](http://www.styku.com)



**Terason** 600  
[www.terason.com](http://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** 1101  
[www.tersera.com](http://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** 806  
[www.electrodestore.com](http://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** 1037  
[www.thera-trainer.de/en](http://www.thera-trainer.de/en)

THERA-Trainer USA™, LLC, situated in Huntingdon 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.** 1042  
[www.treloaronline.com](http://www.treloaronline.com)

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-tailored advice, and a strong national network focused on delivering the highest level of service.

**Tyromotion GmbH** 511  
[www.tyromotion.com](http://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** 708  
[www.usphysiatry.com](http://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.

**UF Health Rehab Hospital** 622  
[www.ufhealth.org](http://www.ufhealth.org)

**Uniform Data System for Medical Rehabilitation** 825  
[www.udsmr.org](http://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.



**UnityPoint Health**

**Unity Point Health - Yunker Rehab** 739  
[www.unitypoint.org](http://www.unitypoint.org)

**University of Kansas Department of Physical Medicine & Rehabilitation** 512  
[www.kumc.edu](http://www.kumc.edu)

Compassion, function, healing - the department of rehabilitation medicine is a vibrant and energetic academic department at the University of Kansas. Our primary mission is to restore function and decrease pain. Our aim is to integrate our clinical mission with cutting-edge research and educational programs.

**University of Louisville** 827  
[www.louisville.edu/medicine/departments/neurosurgery/pmr](http://www.louisville.edu/medicine/departments/neurosurgery/pmr)

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** 1424  
[www.healthcare.utah.edu/rehab/](http://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, Traumatic Brain Injury, and Stroke Care. Our Spinal Cord Injury Program is the only CARF-accredited program in Utah and provides the most comprehensive rehabilitation program in the region.



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## EXHIBITOR PROFILES

UPnRide

[www.upnride.com](http://www.upnride.com)

UPnRIDE is an innovative wheeled robotic device, providing upright and seated mobility both for wheelchair users, and for anyone who is unable to, or has difficulty standing or walking. UPnRIDE offers numerous medical, psychological, and economic benefits, ensuring safety while standing, sitting, and shifting between positions.

US WorldMeds

[www.usworldmeds.com](http://www.usworldmeds.com)

US WorldMeds holds a fundamental belief that our science has the potential to improve patients' lives. Our portfolio of products and development projects reflects our commitment to bring innovative therapies to patients with unmet medical needs.

1406

Wolters Kluwer

[www.lww.com](http://www.lww.com)

Wolters Kluwer is a leading international publisher of medical books, journals, and electronic media for physicians, nurses, specialized clinicians, health professionals, and students.

507

Ziehm Imaging

[www.ziehm.com](http://www.ziehm.com)

1336

Is your organization or institution interested in securing a spot in the PM&R Pavilion at the 2020 Annual Assembly, November 12-15 in San Diego? Secure your space before you leave at the sales office in the PM&R Pavilion!

## 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'ouerves! 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 Chien, 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."

EXHIBITOR PROFILES

Exhibiting companies submitted exhibitor profiles; slight modifications may have been made to correct typos and maintain AAPMR brand standards.





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- ✓ implement guidelines in everyday clinical practice
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November 14 to 17, 2019 | booth 1037  
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ASSOCIATIONS, FOUNDATIONS, AND PROFESSIONAL SOCIETIES

- American Board of Physical Medicine and Rehabilitation
- Association of Academic Physiatrists (AAP)
- Foundation for PM&R
- North American Spine Society
- Physician Life Care Planning
- Spine Intervention Society

BILLING, DATA, AND SOFTWARE

- 1st Providers Choice - PM&R EHR
- CIR Systems, Inc./GAITrite®
- Codex Medical Billing, LLC
- DIERS Medical Systems
- ProtoKinetics Gait Analysis Walkways
- U.S. Physiatry, LLC
- Uniform Data System for Medical Rehabilitation

ELECTRODIAGNOSTIC DEVICES AND SOFTWARE

- Ambu, Inc.
- Cadwell Laboratories, Inc.
- EB Neuro SPA
- Natus Neuro
- Rochester Electro-Medical, Inc.
- The Electrode Store

LABORATORY SERVICES

- Logistics Health Incorporated

LIFESTYLE

- Alliance Labs
- Easy Walking, Inc.
- FIG Education
- Incrediwear
- Infinite Therapeutics
- Kinesio USA
- Nature-Fit
- Pain Care Labs
- Penumbra, Inc.
- Pt Pal

MOBILITY DEVICES/SYSTEMS

- Aretech, LLC
- Bioness, Inc.
- CuraMedix, LLC
- Easy Walking, Inc.
- Ekso Bionics
- Gorbel, Inc.
- Hanger Clinic
- Hocoma/Motek
- MedStar National Rehabilitation Network
- Motorika USA
- Myomo, Inc.
- Parker Hannifin

MOBILITY DEVICES/SYSTEMS (CONTINUED)

- Reha Technology USA
  - ReWalk™ Robotics
  - RxFUNCTION, Inc.
  - Saebo
  - THERA-Trainer USA, LLC
- ORTHOTIC AND PROSTHETIC DEVICES/SERVICES
- Advanced Arm Dynamics
  - Aspen Medical Products
  - Bryn Mawr Rehab Hospital
  - Desin, LLC - Obi
  - Hanger Clinic
  - iFit Prosthetics
  - Kennedy Krieger Institute
  - Mary Free Bed Rehabilitation Hospital
  - Movendo Technology SRL
  - Myomo, Inc.

Ossur Americas

- Post Acute Medical, LLC
- Quinn Medical | Thuasne USA
- RxFUNCTION, Inc.

Saebo

PAIN MANAGEMENT

- Avanos Medical
- Basic Home Infusion
- Bioness, Inc.
- Boiron
- Cutting Edge Laser Technologies
- Electromedical Products International, Inc.
- H-Wave
- Flowonix
- Infinite Therapeutics
- JFK - Johnson Rehabilitation Institute
- Kennedy Krieger Institute
- Medtronic, Inc.
- MiMedx
- Mount Sinai Health System
- Multi Radiance Medical
- Ossur Americas
- Ottobock
- Pain Care Labs
- Pentec Health
- Post Acute Medical, LLC
- Quinn Medical | Thuasne USA
- Regenexx
- Shepherd Center
- Shirley Ryan AbilityLab
- SPR Therapeutics, Inc.
- TerSera Therapeutics LLC

- University of Kansas Department of Physical Medicine & Rehabilitation

PHARMACEUTICAL MANUFACTURERS

- Adamis Pharma/US Compounding
- Allergan Medical Affairs
- Allergan, Inc.
- Biogen
- Calmoseptine, Inc.
- Fidia Pharma USA
- Ipsen Biopharmaceuticals, Inc.
- Merz Pharmaceuticals, LLC
- Pfizer and Lilly
- Piramal Critical Care
- Saol Therapeutics
- TerSera Therapeutics LLC
- US WorldMeds

PHYSICAL THERAPY PRODUCTS AND TESTING

- Ambu, Inc.
- Aretech, LLC
- Bioness, Inc.
- Brooks Rehabilitation
- Bryn Mawr Rehab Hospital
- CIR Systems, Inc./GAITrite®
- CuraMedix, LLC
- Cutting Edge Laser Technologies
- DIERS Medical Systems
- Easy Walking, Inc.
- EB Neuro SPA
- Ekso Bionics
- Gorbel, Inc.
- Hocoma/Motek
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- Uniform Data System for Medical Rehabilitation



AAPM&R ANNUAL ASSEMBLY 2019  
INDUSTRY-SPONSORED LUNCH & LEARN PRESENTATION

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

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- Baystate Health
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- Integrative Physiatry
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- U.S. Physiatry, LLC

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PUBLISHERS

- Demos Medical Publishing
- Elsevier, Inc.
- Pain Medicine News
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REGENERATIVE MEDICINE

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- Pain Care Labs
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REHABILITATION PROGRAMS

- Baylor Scott & White Institute for Rehabilitation
- Brooks Rehabilitation
- Bryn Mawr Rehab Hospital
- Burke Rehabilitation Hospital
- California Rehabilitation Institute
- CARF International
- Carolinas Rehabilitation
- Children's Healthcare of Atlanta Rehab Services
- CIR Systems, Inc./GAITrite®
- Cleveland Clinic
- CuraMedix, LLC
- DIERS Medical Systems
- EB Neuro SPA
- Encompass Health
- Gaylord Specialty Healthcare
- Gorbel, Inc.
- Hanger Clinic
- Integrative 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
- Movendo Technology SRL
- National Health Rehabilitation
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- 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
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- Unity Point Health - Younker Rehab



REHABILITATION PROGRAMS (CONTINUED)

- University of Kansas Department of Physical Medicine & Rehabilitation
- University of Louisville
- University of Utah

SPASTICITY MANAGEMENT

- Basic Home Infusion
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- Carolinas Rehabilitation
- Children's Healthcare of Atlanta Rehab Services
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# 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.

## THANK YOU, CORPORATE SUPPORTERS!

AAPM&R gratefully acknowledges the companies listed below for their support in 2019 (as of October 1, 2019).

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#### TIER 1



#### TIER 2



#### TIER 3



#### TIER 4



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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 relationships 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](http://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 commendation) 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 supporters, sponsorships, and relationships, but does not endorse any companies or their products or services.

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.

PM&R Pavilion

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.


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

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Clinical Assistant Professor of Orthopedics and Rehabilitation  
Email: [philip-chen@uiowa.edu](mailto:philip-chen@uiowa.edu)  
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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.

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# TEAM PHYSIATRY: YOUR PM&R COMMUNITY



**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](http://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 Here to Support Team Physiatry

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](http://www.aapmr.org/renew).**



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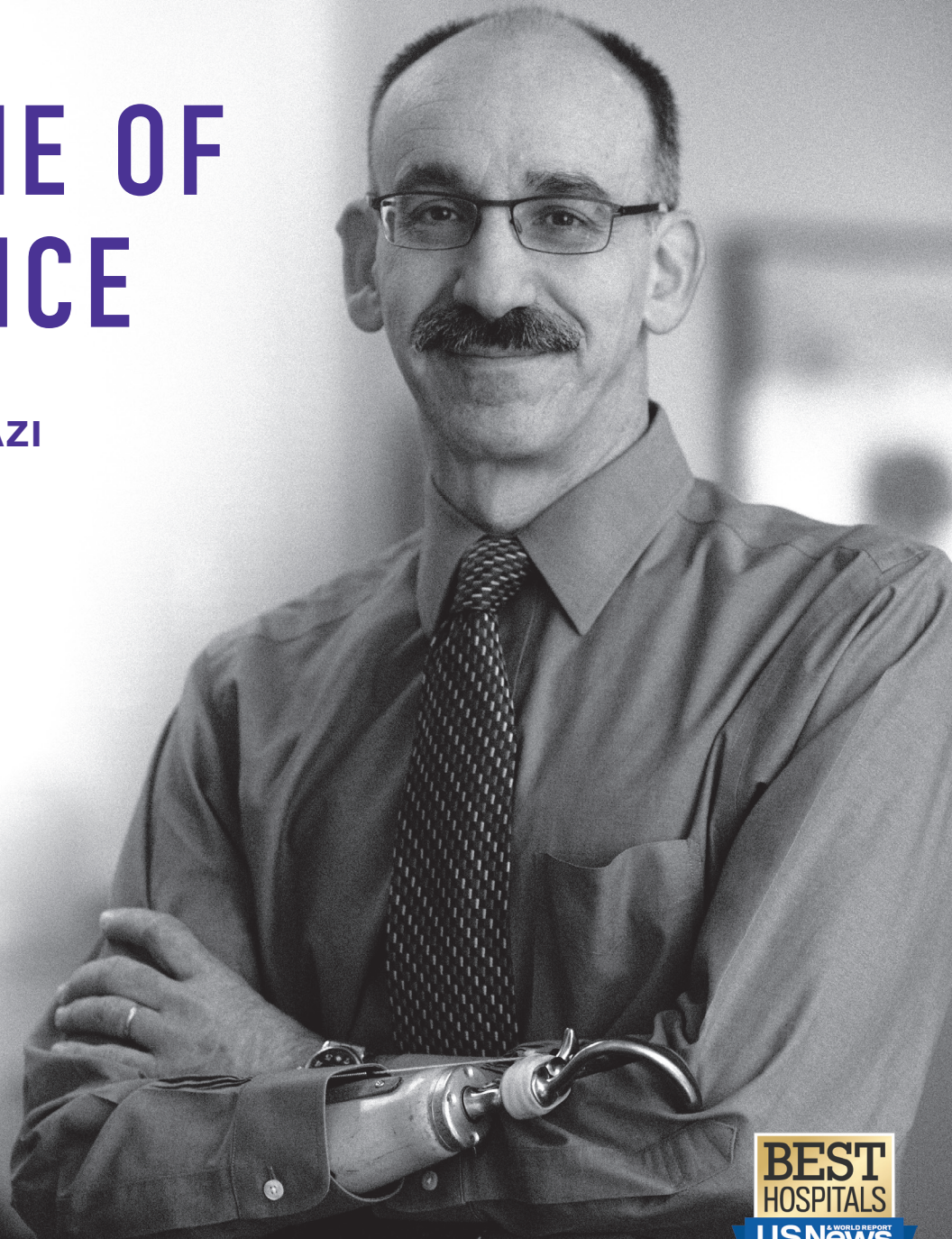
# A LIFETIME OF EXCELLENCE

## 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.



**1969** – The first electromechanical prosthetic arm developed at MossRehab in collaboration with PHILCO

**1982** – Clinical Gait Laboratory established

**1992** – Moss Rehabilitation Research Institute established

**2009** – MossRehab first in the U.S. to use the ReWalk motorized exoskeleton robotic technology

**1900** – MossRehab opens

**1928** – Frank Krusen founds Department of Rehabilitation at Temple University, home of MossRehab's residency program

**1986** – The Dr. Krusen Lifetime Achievement Award established – Dr. Esquenazi joins MossRehab

**1993** – MossRehab first appears on *US News & World Report* Best Hospital Rankings

**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...

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