



February 21-24, 2023  
Hilton Anaheim  
Anaheim, California

Welcome to Physiatry '23  
the Association of  
Academic Physiatrists  
56th Annual Meeting!

The future  
of physiatry  
happens  
here!



Association of Academic Physiatrists



## TABLE OF CONTENTS

General Information .....	5
Schedule at a Glance .....	8-9
Plenary Speakers .....	13
Pre-Conference Workshops .....	14-15

### DAILY SCHEDULES

Wednesday .....	24-27
Thursday .....	28-31
Friday .....	32-34

Paper & Poster Presentations .....	41
Networking Activities .....	43
Award Winners .....	46-47
Sponsored Events .....	48-49
Exhibitor Guide .....	50-53
2024 Save the Dates .....	57
AAP Academic Partners .....	59
Hilton Anaheim Hotel Map .....	61
Our Sponsors .....	BC

### REGISTRATION HOURS

The AAP Registration Desk is located on the second floor by the escalator at the Hilton Anaheim.

Tuesday through Thursday .....	7:00AM - 4:00PM
Friday .....	7:00AM - 12:00PM

### EXHIBIT HALL ACTIVITIES

The Exhibit Hall is located in the California Ballroom ABCD - 2nd Fl

Find even more activities on pages 48-49!

#### Wednesday, February 22, 2023

Refreshment Break/ Exhibitor Meet and Greet .....	10:30AM - 11:15AM
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Refreshment Break/ Exhibitor Meet and Greet .....	3:00PM - 3:30PM
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President's Welcome Reception .....	6:30PM - 8:00PM
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#### Thursday, February 23, 2023

Refreshment Break/ Exhibitor Meet and Greet .....	10:30AM - 11:15AM
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Complimentary Lunch in the Exhibit Hall .....	12:15PM - 2:00PM
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Refreshment Break/ Exhibitor Meet and Greet .....	3:00PM - 3:30PM
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#### Friday, February 24, 2023

Refreshment Break/ Exhibitor Meet and Greet .....	10:00AM - 10:45AM
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### SPONSORED ACTIVITIES

Enjoy complimentary food and beverages at our sponsored events, including Pop-Up Presentations and Demonstration Pods. Find details on page 48-49!



### GET SOCIAL AT PHYSIATRY '23!

There is a vibrant social media community waiting to connect with you! Use the hashtag #Physiatry23 to see updates, build relationships and share your memories.



### DOWNLOAD THE EVENT APP

POWERED BY:  

Get every session, event and update from Physiatry '23 delivered to your phone. You'll also be able to customize your daily schedule, access course handouts, connect with attendees and more. Search for Physiatry '23 or AAP in your app store. Aren't sure of your login information? Visit the Registration Desk in the second floor foyer by the escalator and we'll help you get connected!

# Welcome to Physiatry '23, the Association of Academic Physiatrists (AAP) Annual Meeting.

## Our Most Magical Meeting Yet ✨

**O**n behalf of the Association of Academic Physiatrists (AAP), It is our pleasure to welcome you to Physiatry '23 in Anaheim, California! We are thrilled to welcome back members to reconnect and recharge for the year to come. From early morning into the evening, we have four jam-packed days of opportunities to learn, connect and share. We're sure that this engaged community and program will inspire you. You will discover the latest in education, clinical techniques, research, technology and more.

Above all, it is our "physiatry family" — this incredible association of physiatrists, educators, mentors, researchers, patient advocates and achievers — who make this a truly magical event. It is our vision to foster a meeting environment and culture where every member and partner feels valued, supported, and inspired to achieve individual and common goals as a critical foundation to providing state-of-the-art care for our patients. Together, we can and will impact the future of this specialty.

The next few days will be high-powered and progressive. Whether you're looking to sharpen your clinical or academic skillset, affect positive change within your institution, or become an emerging or stronger leader in the field of physiatry, we have what you need to grow.

### DON'T MISS THE FOLLOWING EVENTS WE HAVE PLANNED FOR YOU:

- 75+ compelling educational sessions presented by physiatry and rehabilitation experts from all over the globe
- Two rock star plenary sessions presented by renowned speakers (see the full lineup on page 13)
- Our signature networking events including our President's 'A Night in Hollywood' Welcome Party, Poster Gallery, RFPD Reception, and Resident & Fellow Networking Night
- Visit our exhibit hall to catch 50+ exhibitors showcasing products, services, and societies while you enjoy meals, demonstrations and more
- Visit with leading researchers at our poster gallery receptions this year showcasing hundreds of innovations in physiatry
- 30+ scientific paper presentations with topics ranging from leadership to chronic pain, TBI and more!

Soak it all in and be sure to explore the world-class entertainment, restaurants, Disneyland attractions and outdoor activities you'll find in walking distance.

Enjoy Physiatry '23. The future of physiatry happens *here*.



**Miguel Xavier Escalón, MD, MPH**

*Chair, AAP Program Subcommittee*

*Residency Program Director, Physical Medicine and Rehabilitation*

*Vice Chair, Associate Professor*

*Department of Rehabilitation and Human Performance, Icahn School of Medicine at Mount Sinai*



# Making a difference today for their tomorrow



Patients and their loved ones are at the heart of our commitment to continue advancing neuroscience.

**See what we're doing  
at Booth #202**



# General Information

**Locations:** All workshops and sessions will be held at the Hilton Anaheim.  
777 W Convention Way, Anaheim, CA 92802

## Registration

The Registration Desk is in the foyer on the 2nd floor near the escalators. Visit our registration desk to check-in and register for additional events and workshops.

## Additional Fees

Throughout Psychiatry '23, there are events and sessions which may require additional fees to attend. To help you identify these sessions, look for this icon throughout the event program: 💰

## Photo & Video Disclosure

The AAP intends to take photos and video of this event for use in AAP news and promotional materials, in print, electronic and other media, including the website. By participating in this event, you grant the AAP the right to use any image, photograph, voice or likeness without limitation in its promotional materials and publicity efforts without compensation. All media becomes the property of the AAP. Media may be displayed, distributed or used by the AAP for any purpose.

## Seating Policy

All educational sessions are filled on a first-come, first-served basis. We did our best to match room size with anticipated demand, but we encourage you to arrive at meeting rooms as early as possible. Capacity limits are strictly enforced by hotel management and fire marshals.

## Anti-Harassment Policy

The AAP is dedicated to providing a harassment-free experience for everyone at its conferences. Harassment of any form will not be tolerated at Psychiatry '23. If you experience harassment or discrimination at Psychiatry '23, please tell an AAP staff member immediately or email [report@psychiatry.org](mailto:report@psychiatry.org). Violators of this Anti-Harassment Policy may be sanctioned or expelled from the event at the discretion of Psychiatry '23 event organizers.

## Time Zone: PST

Please note all times listed are pacific standard time.

## NEED WIFI?

Stay connected with our complimentary WiFi access in all public areas of the Hilton Anaheim! **Just use our password TIRR2023.** The password is case-sensitive, so be sure to use all caps.

SUPPORTED BY:



## DOWNLOAD OUR FREE MEETINGS APP



SCAN ME

The Psychiatry '23 event app has the latest session details, room assignments and poster presentations. Search sessions by day, track, speaker, title or keyword to create an agenda that meets your interests and learning needs.

SUPPORTED BY:





THERAPEUTICS

**MERZ THERAPEUTICS**  
IS PROUD TO BE A SPONSOR  
OF **AAP 2023**

VISIT US AT **BOOTH 402**



## NEUTRALIZING ANTIBODIES AND IMMUNOGENICITY

**XEOMIN, a uniquely purified neuromodulator without unnecessary proteins, has a low protein load and demonstrated no lack of effect in clinical studies due to neutralizing antibodies.\***



**SCAN  
TO SEE  
THE SCIENCE**

\*The direct impact of the non-therapeutic proteins on long term safety or efficacy has not been established. Information about the unique XEOMIN manufacturing process and the properties of incobotulinumtoxinA is not intended to imply superiority over other botulinum toxin type A products. As with all neuromodulators, including XEOMIN, there is a potential for immunogenicity.

### IMPORTANT SAFETY INFORMATION

#### INDICATIONS

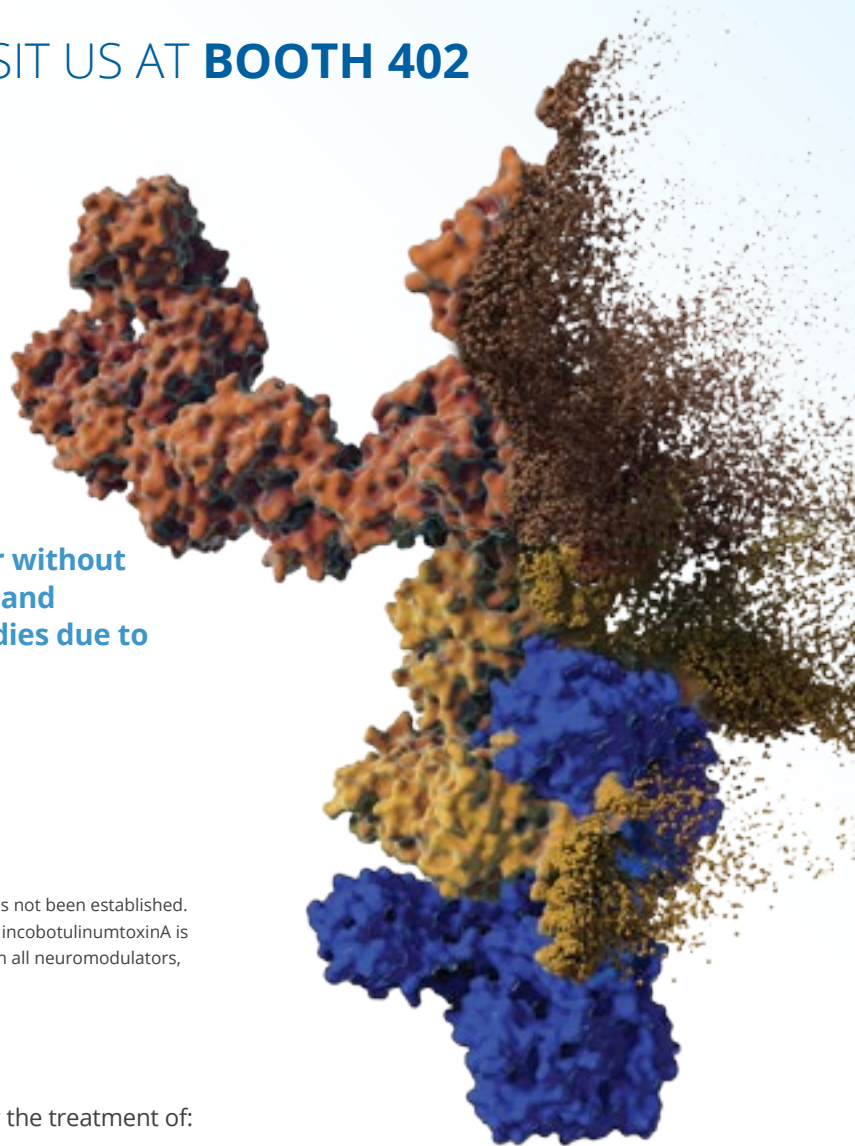
**XEOMIN® (incobotulinumtoxinA)** for injection is indicated for the treatment of:

- Chronic sialorrhea in patients 2 years of age and older
- Upper limb spasticity in adults
- Upper limb spasticity in pediatric patients 2 years of age and older, excluding spasticity caused by cerebral palsy
- Cervical dystonia in adults
- Blepharospasm in adults

#### **WARNING: DISTANT SPREAD OF TOXIN EFFECT**

**See full prescribing information for complete BOXED WARNING.**

**The effects of XEOMIN and all botulinum toxin products may spread from the area of injection to produce symptoms consistent with botulinum toxin effects. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death. The risk of symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults, particularly in those patients who have underlying conditions that would predispose them to these symptoms.**





# Welcome to Anaheim

## The Heart of Orange County

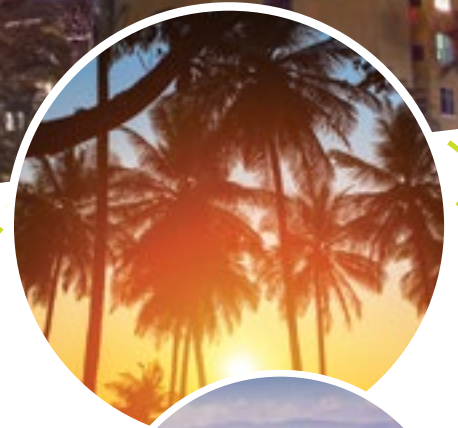
Anaheim is part of the Los Angeles metropolitan area in beautiful, sunny California. The city has a population of over 350,000+ people and is known for being the home of Disneyland Resort, the Anaheim Convention Center, and two major sports teams: the Los Angeles Angels baseball team and the Anaheim Ducks ice hockey club. The city is a world-class vacation destination packed with quintessential California activities! We invite you to make the most of your time here in this magical place.

**HIT THE THEME PARKS** Anaheim is home to the internationally acclaimed theme park, Disneyland. Inside it, you'll find attractions ranging from roller coasters, shows, attractions, and the park's iconic Ferris Wheel.

**EXPLORE DOWNTOWN ANAHEIM** The downtown district has undergone a massive revitalization over the past decade. Within this area you'll find local artisan shops, vendors and the city's historical roots. We encourage you to support local businesses while in town.

**INDULGE IN RETAIL THERAPY** It's not hard to find places to shop in Anaheim. Various plazas and outlets are accessible in the downtown area. You'll find internationally known luxury brands along with bargain items for a great deal. There's a little something for everyone.

**HEAD TO THE BEACH** Surf's up! Enjoying the coastline and beaches in Southern California is one of the best ways to get some fresh air. Huntington Beach and Long Beach are just a quick drive west. The coastline of Orange County is filled with boardwalks, boutiques, vintage neighborhoods and scenic views of nature.



AAP Psychiatry '23  
attendees receive  
**DISCOUNTS TO  
DISNEYLAND**  
and other attractions!



### HOTEL: HILTON ANAHEIM

777 W Convention Way, Anaheim, CA 92802  
(714) 750-4321

TIME ZONE: PST





# Schedule at a Glance

Take part in educational sessions, lively networking events and spontaneous meet-and-greets. All events will be held at the Hilton Anaheim (777 W Convention Way, Anaheim, CA 92802) unless otherwise noted. You'll find specific rooms on the event app, event website or the detailed schedule in this program! Details on educational sessions provided Wednesday through Friday can be found on pages 24-34.

## TUESDAY, FEBRUARY 21

	7:00AM - 4:00PM	Registration Open
\$	8:00AM - 12:00PM	Pre-Conference Workshop: Medical Education in Psychiatry: Educator Skills
	8:00AM - 12:00PM	Pre-conference Workshop: Resident Bootcamp
\$	8:00AM - 4:00PM	Pre-conference Workshop: Residency & Fellowship Program Directors (RFPD)
	12:00PM - 1:00PM	Lunch & Learn
\$	1:00PM - 5:00PM	Pre-conference Workshop: Musculoskeletal Ultrasound: Hands on workshop
\$	1:00PM - 6:00PM	Pre-conference Workshop: AAP Spasticity Master Course
	5:30PM - 7:00PM	Fellowship & Job Fair
<b>AAP PRO TIP:</b> This is a one-of-a-kind networking opportunity with 50+ institutions and hundreds of job seekers!		
	7:00PM - 8:00PM	Chairs and Administrative Directors Session: Compensation Models

## WEDNESDAY, FEBRUARY 22

	7:00AM - 4:00PM	Registration Open
	8:00AM - 9:00AM	Wednesday Educational Sessions 1
<b>AAP PRO TIP:</b> Educational sessions are happening all around you Wednesday-Friday. Make note of the sessions you're interested in by visiting pages 24-34 or using the AAP Meetings mobile app.		
	8:00AM - 5:00PM	Administrative Directors Sessions
	8:00AM - 5:00PM	Program Coordinator Sessions - Day 1
	9:30AM - 10:30AM	<b>PLENARY SESSION:</b> Sustaining High Performance Through Adversity
<b>AAP PRO TIP:</b> Read about our plenary speakers by visiting page 13.		
	10:30AM - 11:15AM	EXPO HALL: Refreshments with the Exhibitors, Demo Pods & Pop-Presentations
	11:15AM - 12:15PM	Wednesday Educational Sessions 2
	11:15AM - 12:15PM	Scientific Paper Presentations - BEST PAPER
	12:30PM - 1:30PM	Lunch & Learn (Pacific C)
	2:00PM - 3:00PM	Wednesday Educational Sessions 3
	2:00PM - 3:00PM	Scientific Paper Presentations - Sports Medicine
	3:00PM - 3:30PM	EXPO HALL: Refreshments with the Exhibitors, Demo Pods & Pop-Presentations
	3:30PM - 5:00PM	Wednesday Educational Sessions 4
	3:30PM - 5:00PM	Scientific Paper Presentations - Administrative/Leadership Education and Other/General Medicine
	5:00PM - 6:30PM	Poster Gallery Reception
<b>AAP PRO TIP:</b> Attend the Poster Gallery Session and then walk right across the hallway for the President's Welcome Party that begins afterward!		
	6:30PM - 8:00PM	<b>UPMC PRESIDENT'S WELCOME PARTY</b>



### THURSDAY, FEBRUARY 23

7:00AM - 4:00PM	Registration Open
7:00AM - 8:00AM	Hot Breakfast Symposium (Huntington)
8:00AM - 9:00AM	Thursday Educational Sessions 1
8:00AM - 9:00AM	Scientific Paper Presentations - Musculoskeletal and Ultrasound
8:00AM - 5:00PM	Program Coordinator Sessions - Day 2
9:30AM - 10:30AM	<b>PLENARY SESSION:</b> <i>DeLisa Lecture: A Brain Implant That Turns Thoughts into Text</i>
10:30AM - 11:15AM	EXPO HALL: Refreshments with the Exhibitors, Demo Pods & Pop-Presentations
11:15AM - 12:15PM	Thursday Educational Sessions 2
11:15AM - 12:15PM	Scientific Paper Presentations - Spinal Cord Injury
12:15AM - 2:00PM	Complimentary Lunch in the Exhibit Hall
12:30PM - 1:30PM	Lunch & Learn (Expo Lab)
2:00PM - 3:00PM	Thursday Educational Sessions 3
2:00PM - 3:00PM	Scientific Paper Presentations - Pain and Spasticity
3:00PM - 3:30PM	EXPO HALL: Refreshments with the Exhibitors, Demo Pods & Pop-Presentations
3:30PM - 5:00PM	Thursday Educational Sessions 4
3:30PM - 5:00PM	Scientific Paper Presentations - Rehabilitation Research Experience for Medical Students (RREMS)
5:00PM - 6:00PM	Early Career Council (ECC) Speed Networking Event
5:00PM - 6:30PM	Poster Gallery Reception
6:30PM - 8:00PM	Medical Student Quiz Bowl
7:30PM - 9:00PM	Resident & Fellow Networking Night (House of Blues)

### FRIDAY, FEBRUARY 24

7:00AM - 8:00AM	Hot Breakfast Symposium (Huntington)
7:00AM - 12:00PM	Registration Open
8:00AM - 8:30AM	Awards Presentation
8:30AM - 8:45AM	President's Address - Dr. Gwendolyn Sowa, MD, PhD
8:45AM - 9:15AM	Member Caucus/General Business Meeting
<b>AAP PRO TIP:</b> This is your chance to meet the AAP Board of Trustees as well as hear from incoming AAP President, Karen Kowalske, MD.	
9:15AM - 10:00AM	Rehabilitation Medicine Scientist Training Program (RMSTP) Scientific Papers
10:00AM - 10:45AM	EXPO HALL: Refreshments with the Exhibitors, Demo Pods & Cadaver Lab
10:45AM - 11:45AM	Friday Educational Sessions 1
10:45AM - 12:15PM	Scientific Paper Presentations - Rehabilitation Research Experience for Medical Students (RREMS)
11:45AM - 1:15PM	Poster Gallery Reception
1:15PM - 2:15PM	Friday Educational Sessions 2

**AAP PRO TIP:**  
 Presentations, times and schedules are subject to change. Visit the Physiatry '23 event app or <https://eventscribe.net/2023/Physiatry23/> for the most up-to-date information.

## Thank You to our Program Committee

Physiatry '23 wouldn't be possible without the tireless efforts of this AAP team.

### AAP PROGRAM COMMITTEE

- Miguel Xavier Escalón MD, MPH - Chair
- Kim Barker, MD
- Lauren Collins
- Xiaoli Dong, MD
- Catherine Dziri, MD
- Tracy Friedlander, MD
- Lisa Wiesenberger Godbold
- Lori Grafton, MD
- Alice Hon, MD
- Didem Inanoglu, MD
- Stacey Isidro, MD
- Leslie Justice
- Su Yi Lee, MD
- John Metzler, MD
- Dianna Nguyen
- Christian Niedzwecki, MD
- Jennifer Paul, MD
- Shanti Pinto, MD
- Reynaldo Rey-Matias, MD
- Mark Tornero, MD
- Lori Yap, MD
- Peter Yonclas, MD
- Juliet Zakel, MD

**AAP, 2023**

**Ipsen Sponsored Product Theater**

**Cadaver  
Injection  
&  
Anatomy  
Workshop**

Get hands-on injection practice with our expert faculty who will review anatomy of upper and lower cadaver limbs, and educate on proper injection techniques and considerations of approved muscles for Dysport injection.

**Thursday, February 23rd, 12:30PM PST**

**Friday, February 24th, 10:00AM PST**

Presented by:

**Kimberly Heckert, MD**

Director, Spasticity  
Management Fellowship  
Thomas Jefferson University

**Ryan Hafner, MD**

Physical Medicine and Rehabilitation  
Central Neurology

**Madeline Norris, PhD**

Assistant Professor, Anatomy  
University of California,  
San Francisco

- This presentation is a Dysport promotional program provided by Ipsen Biopharmaceuticals, Inc.
- Presenters are speaking on behalf of Ipsen and are being compensated for their time
- This presentation is not a continuing medical education (CME) program

**Booth 911**

## INDICATIONS

DYSPORT (abobotulinumtoxinA) for injection is indicated for the treatment of:

- spasticity in patients 2 years of age and older
- cervical dystonia in adults

## IMPORTANT SAFETY INFORMATION

### WARNING: DISTANT SPREAD OF TOXIN EFFECT

Postmarketing reports indicate that the effects of DYSPORT and all botulinum toxin products may spread from the area of injection to produce symptoms consistent with botulinum toxin effects. These may include asthenia, generalized muscle weakness, diplopia, blurred vision, ptosis, dysphagia, dysphonia, dysarthria, urinary incontinence and breathing difficulties. These symptoms have been reported hours to weeks after injection. Swallowing and breathing difficulties can be life threatening and there have been reports of death. The risk of symptoms is probably greatest in children treated for spasticity but symptoms can also occur in adults treated for spasticity and other conditions, particularly in those patients who have underlying conditions that would predispose them to these symptoms. In unapproved uses and in approved indications, cases of spread of effect have been reported at doses comparable to or lower than the maximum recommended total dose.

Please see additional Important Safety Information on the next page and accompanying full Prescribing Information.



## IMPORTANT SAFETY INFORMATION

### Contraindications

DYSFORT is contraindicated in patients with known hypersensitivity to any botulinum toxin products, cow's milk protein, or to any of the components in the formulation, or infection at the proposed injection site(s). Serious hypersensitivity reactions including anaphylaxis, serum sickness, urticaria, soft tissue edema, and dyspnea have been reported. If such a serious reaction occurs, discontinue DYSFORT and institute appropriate medical therapy immediately.

### Warnings and Precautions

#### Lack of Interchangeability Between Botulinum Toxin Products

The potency Units of DYSFORT are specific to the preparation and assay method utilized. They are not interchangeable with other preparations of botulinum toxin products and, therefore, units of biological activity of DYSFORT cannot be compared to or converted into units of any other botulinum toxin products assessed with any other specific assay method.

#### Dysphagia and Breathing Difficulties

Treatment with DYSFORT and other botulinum toxin products can result in swallowing or breathing difficulties. Patients with pre-existing swallowing or breathing difficulties may be more susceptible to these complications. In most cases, this is a consequence of weakening of muscles in the area of injection that are involved in breathing or swallowing. When distant effects occur, additional respiratory muscles may be involved. Deaths as a complication of severe dysphagia have been reported after treatment with botulinum toxin. Dysphagia may persist for several weeks and require use of a feeding tube to maintain adequate nutrition and hydration. Aspiration may result from severe dysphagia and is a particular risk when treating patients in whom swallowing or respiratory function is already compromised. Treatment of cervical dystonia with botulinum toxins may weaken accessory muscles of ventilation, which may result in a critical loss of breathing capacity in patients with respiratory disorders who may have become dependent upon these muscles. Patients treated with botulinum toxin may require immediate medical attention should they develop problems with swallowing, speech, or respiratory disorders. These reactions can occur within hours to weeks after injection with botulinum toxin.

#### Pre-existing Neuromuscular Disorders

Individuals with peripheral motor neuropathic diseases, amyotrophic lateral sclerosis, or neuromuscular junction disorders (e.g., myasthenia gravis or Lambert-Eaton syndrome) should be monitored particularly closely when given botulinum toxin. Patients with neuromuscular disorders may be at increased risk of clinically significant effects including severe dysphagia and respiratory compromise from typical doses of DYSFORT.

### Human Albumin and Transmission of Viral Diseases

This product contains albumin, a derivative of human blood. Based on effective donor screening and product manufacturing processes, it carries an extremely remote risk for transmission of viral diseases and variant Creutzfeldt-Jakob disease (vCJD). There is a theoretical risk for transmission of Creutzfeldt-Jakob disease (CJD), but if that risk actually exists, the risk of transmission would also be considered extremely remote. No cases of transmission of viral diseases, vCJD, or CJD have ever been identified for licensed albumin or albumin contained in other licensed products.

### Intradermal Immune Reaction

The possibility of an immune reaction when injected intradermally is unknown. The safety of DYSFORT for the treatment of hyperhidrosis has not been established. DYSFORT is approved only for intramuscular injection.

### Adverse Reactions

- The most common adverse reactions ( $\geq 4\%$ ) in adults with upper limb spasticity include muscular weakness; in adults with lower limb spasticity ( $\geq 5\%$ ) include falls, muscular weakness, and pain in extremity
- The most common adverse reactions ( $\geq 10\%$ ) in pediatric patients with upper limb spasticity include upper respiratory tract infection and pharyngitis; in pediatric patients with lower limb spasticity include nasopharyngitis, cough, and pyrexia
- The most common adverse reactions ( $\geq 5\%$ ) in adults with cervical dystonia include muscular weakness, dysphagia, dry mouth, injection site discomfort, fatigue, headache, musculoskeletal pain, dysphonia, injection site pain, and eye disorders

### Drug Interactions

Co-administration of DYSFORT and aminoglycosides or other agents interfering with neuromuscular transmission (e.g., curare-like agents) should only be performed with caution because the effect of the botulinum toxin may be potentiated. Use of anticholinergic drugs after administration of DYSFORT may potentiate systemic anticholinergic effects such as blurred vision. The effect of administering different botulinum neurotoxins at the same time or within several months of each other is unknown. Excessive weakness may be exacerbated by another administration of botulinum toxin prior to the resolution of the effects of a previously administered botulinum toxin. Excessive weakness may also be exaggerated by administration of a muscle relaxant before and after administration of DYSFORT.

**Please see accompanying full Prescribing Information, including BOXED WARNING on Distant Spread of Toxin Effect.**

More than **260** inpatient beds  
across **12** units

Top ranked for NIH funding

More than **80**  
outpatient locations

**76** renowned faculty members

**4** ACGME-accredited fellowships,  
**1** innovative spine care fellowship

One of the largest residency  
programs in the nation

UPMC Mercy is ranked **#10** in rehabilitation  
by *U.S. News & World Report*

# IT ALL ADDS UP FOR OUR REHABILITATION PATIENTS

UPMC recognizes  
Gwendolyn Sowa, MD, PhD,  
for her contributions as the  
president of the Association  
of Academic Physiatrists  
Board of Trustees.



The UPMC Rehabilitation Institute and Department of Physical Medicine and Rehabilitation are constantly evolving to ensure that patients receive the best in rehabilitation medicine.

UPMC Mercy is home to the UPMC Rehabilitation Institute's Centers of Excellence in stroke rehabilitation, spinal cord injury, and brain injury. In 2023, UPMC Mercy will house a first-of-its-kind facility, the UPMC Mercy Pavilion, which will bring researchers and clinicians together in a collaborative environment where innovative rehabilitation findings translate directly into patient-centered clinical care.

To learn more, visit [UPMC.com/Rehab](https://UPMC.com/Rehab).

**UPMC** | **REHABILITATION  
INSTITUTE**



# Plenary Speakers



These thought leaders are bringing their big ideas that will influence your research, education, practice and career.



DeLisa Lecture

WEDNESDAY, FEBRUARY 22, 2023  
9:30AM - 10:30AM

## PETE NASCHAK

Former Navy SEAL's Command Master Chief for SEAL Team 5, Founder and Principal of Senaptec, LLC and Performance Activation, Inc.

## DR. DAN TURNER, PHD

Human Performance Specialist, Coach, Tech Entrepreneur, Founder of Silicea Labs

### Sustaining High Performance Through Adversity

**Description:** Pete and Dan will discuss human performance (Individual and Team), resilience, leadership, teamwork. This joint plenary discussion will look into where they think this area of understanding may be going on these themes, and how it might apply to psychiatrists and their patients.

THURSDAY, FEBRUARY 23, 2023  
9:30AM - 10:30AM

## THOMAS OXLEY, MD, PHD

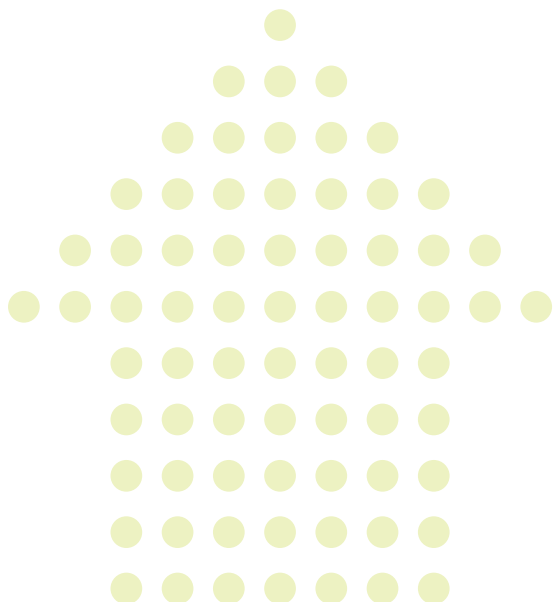
Director of Innovation Strategy for the Department of Neurosurgery at the Mount Sinai Health System  
Founder and CEO of Synchron

Tom Oxley completed his PhD in neural engineering at the University of Melbourne. He completed an endovascular neurosurgery fellowship at Mount Sinai Hospital in New York. Tom has performed more than 1,600 endovascular neurosurgical procedures and has published more than 100 internationally peer reviewed articles in journals including, *Nature Biotechnology*, *Nature Biomedical Engineering*, *New England Journal of Medicine* and *The Lancet*.

### A Brain Implant That Turns Thoughts into Text

**Description:** What if you could control digital devices using just the power of thought? That's the incredible promise behind the Stentrode — an implantable brain-computer interface that collects and wirelessly transmits information directly from the brain, without the need for open surgery. Neurotech entrepreneur Tom Oxley describes the intricacies of this breakthrough technology, which is currently enrolling participants in human trials, as well as how it could help restore dignity to those with disabilities — and transform the future of communication.

**Please note:** These are non-CME presentations.





# Pre-Conference Workshops

THERE'S STILL TIME TO ADD ONE OF THESE IN-DEPTH SESSIONS TO YOUR REGISTRATION!

Master these important skills and get bonus networking time with your peers in an intimate setting. Stop by the registration desk to learn more.

All pre-conference workshops will be held on Tuesday, February 21, 2023.

## Residency & Fellowship Program Directors (RFPD) Workshop

**PRICE:** \$250 for AAP members/ \$450 for non-members

**LOCATION:** Pacific Ballroom B - 2nd Fl

**8:00AM - 4:00PM**

This workshop keeps RFPD coming to the AAP Annual Meeting year after year — and this year we're hosting it in a single, full day! Join us to learn and grow your programs with best and novel practices in Pacific Ballroom B - 2nd Fl:

**RFPD Council Leadership:** Miguel Escalon, MD, MPH, Tracy Friedlander, MD, Eric Wisotzky, MD, Alex Moroz, MD

**8:00AM - 9:00AM**

**ACGME Update**

**Speakers:** Caroline Fischer, MBA, R. Samuel Mayer, MD, MEHP

**9:00AM - 9:30AM**

**ABPMR Update**

**Speaker:** Sherilyn Driscoll, MD

**10:00AM - 11:30AM**

**Quality Improvement and Patient Safety (QIPS)**

**Speaker:** Christopher Garrison, MD and Ashlee Jaffe, MD, MEd

**11:45AM - 1:00PM**

**Lunch provided**

**1:00PM - 4:00PM**

**Recruitment Seminar**

**Introductory Presentations:**

**Social Media: Opportunities & Pitfalls:** Eric Wisotzky, MD

**Offering Interviews - ensuring Diversity:** Miguel Escalon, MD

**Technology Resources:** Stephanie Rand, DO

**Group Discussion:** Each of the following topics will be briefly introduced followed by interactive small group round table discussions, a presentation of findings, and large group brainstorm.

**Holistic Application Review:** Brionn Tonkin, MD

**Group Discussion:**

- Ideas to ensure holistic review
- Solutions to ensure diversity in interviewee pool
- How to factor in test scores
- Program best practices

**2:15PM - 2:30PM**

**Break**

**Interview Invitation Process:** Nikola Dragojlovic, DO

**Group Discussion:**

- Ideas for transparency of interview decision time frame and interview dates
- Optimal timing for offers and responses (including allowing adequate time for applicants to answer invitation)
- Potential universal offer date
- Protocol for canceling/rescheduling

**Preference Signaling, Supplemental Application Experience:**

Ashlee Bolger, MD, MEd, Natasha Romanoski, MD

**Group Discussion:**

- Experiences with Supp App this past year
- Suggestions for improvement to share with AAMC/ERAS
- Optimal number of preference signals per applicant
- Should applicants signal home program and/or away rotation programs?

**Large Group Discussion:**

- Sum up group discussion re: supp app experience
- Agree on number of preference signals
- Feasibility of universal offer date
- Suggestions for improvement to share with AAMC/ERAS

**4:00PM - 4:30PM**

**RFPD Council Business Meeting**

Miguel Escalon, MD, RFPD Chair

## Resident, Fellow & Medical Student Bootcamp

**PRICE:** Free for residents, fellows, and medical students with paid meeting registration. Space is limited and this event typically sells out. You must sign up in advance.

**LOCATION:** Pacific Ballroom A - 2nd Fl

**8:00AM - 12:00PM**

**Course Directors:** Nathan Olafsen, MD, Jennifer Soo Hoo, MD

Experience hands-on exposure to psychiatric procedures — FREE with your resident, fellow or medical student registration! You will rotate through separate stations taught by expert PM&R faculty and gain skills that will help you excel in your training and career. The stations will include ultrasonography, electromyography, spasticity management and fluoroscopic procedures. At the end of this workshop, you will have better hands-on knowledge of how to perform basic procedures and identify common psychiatric procedures.



### Medical Education in Physiatry: Educator Skills

- PRICE:** \$149 for AAP members/ \$199 for non-members  
**LOCATION:** Malibu - 4th Fl  
**8:00AM - 12:00PM**

*Leslie Rydberg, MD, Idris Amin, MD, Ben Seidel, DO, Patrick Kortebein, MD, Nitin Jain, MD, MS, Aaron Yang, MD, Ashlee Bolger, MD, MEd, Jacqueline Neal, MD, Maya Therattil, MD, Robert Irwin, MD*

This four-hour pre-course will teach essential medical education knowledge and skills that will allow physiatrists to become medical educators. Content will include curriculum development, writing learning objectives, writing test questions, learner assessment, and program evaluation to allow participants to learn how to be an educator. Participants will design their own new curriculum through the four-hour session utilizing the skills that they learn throughout the course.

### Musculoskeletal Ultrasound: Hands-on Workshop

- PRICE:** \$149 for AAP members/ \$199 for non-members  
**LOCATION:** Pacific Ballroom A - 2nd Fl  
**1:00PM - 5:00PM**

*Amit Bhargava, MD, Kentaro Onishi, DO, Adam Lewno, DO, Allison Schroeder, MD, Mooyeon Oh-Park, MD, MS, Jonathan Kirschner, MD, Mark Hurdle, MD, Arthur Jason DeLuigi, DO, Asad Siddiqui, DO*

This workshop is designed to shorten the learning curve for physiatrists interested in developing expertise in MSK and diagnostic ultrasound. Through both didactic and hands-on trainings, clinicians will learn to recognize normal anatomy and common pathologies, and will leave with a solid, practical skill set to immediately implement into practice.

### AAP Spasticity Master Course

- PRICE:** \$149 for AAP members/ \$199 for non-members  
**LOCATION:** El Capitan A/B - 4th Fl  
**1:00PM - 6:00PM**

*Sheng Li, MD, PhD, Gerard Francisco, MD, Paul Winston, MD, Eve Boissonnault, MD, Michael Saulino, MD, PhD, Monica Verduzco-Gutierrez, MD, Heakyung Kim, MD, Jaskiran Ghuman, DO*

This course is designed for clinicians who wish to learn advanced knowledge and the latest developments in spasticity management. Attendees will learn new skills in botulinum toxin therapy, mechanisms of underlying physical modalities, and best practices in Intrathecal Baclofen Therapy (ITB) and troubleshooting. Attendees will also explore new developments such as cryoneurolysis and updates in phenol neurolysis. The workshop will offer hands-on training on ultrasound-guided nerve blocks with phenol and cryoneurolysis. Visit the AAP's meetings app for an in-depth look at this pre-conference course schedule.

### Chairs and Administrative Directors Session: Compensation Models

- PRICE:** Free for chairs and admin directors with paid meeting registration  
**LOCATION:** Avalon AB - 4th Fl  
**7:00PM - 8:00PM JOINT SESSION**  
**8:00PM - 8:30PM CHAIR COUNCIL BUSINESS SESSION**  
**8:30PM - 10:00PM NETWORKING - Lanai Deck - 5th Fl**

*Joseph Herrera, DO*

Department leaders will join together for a presentation and discussion addressing compensation models that are currently being utilized in academic institutions. Topics will include models such as RVU based revenue minus expense. This intimate session will also cover compensation models for faculty that are shared between institutions (i.e., VA and hospital, or venture firm and hospital). Session directors will lead an open discussion surrounding the challenges that health systems, free standing, and hospital-based environments have on compensation.

CHAIR COUNCIL NETWORKING NIGHT

SUPPORTED BY:

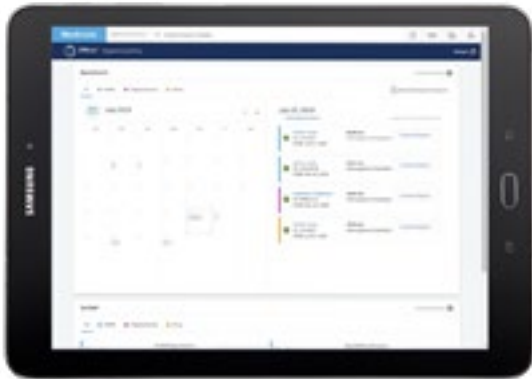
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at NYU Langone

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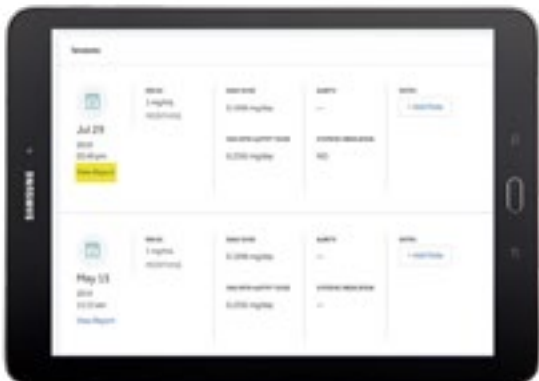
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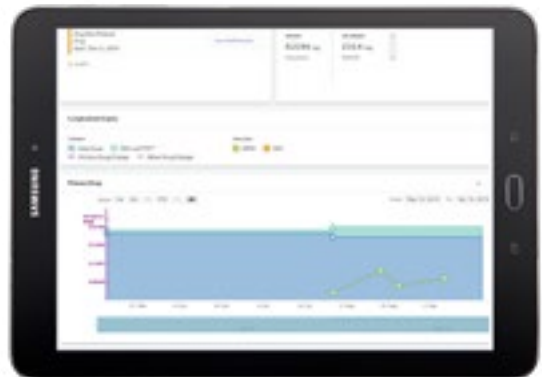
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# Program Coordinator Workshop Sessions



As always, our Program Coordinators Council has created a schedule filled with hot topics to help Coordinators navigate this new era of residency management.

## Program Coordinators Workshops Locations: El Capitan A/B - 4th floor

### WEDNESDAY, FEBRUARY 22, 2023

#### Program Coordinators Welcome

8:00AM - 8:15AM

Cindy Volack, MPA, C-TAGME, Chair, Thomas Petruska, MS, Vice Chair, Leslie Justice, BA, Secretary/Program Director, Nicole Prioleau, Past Chair, Program Coordinators Council Leadership

#### Ice Breaker / Games

8:15AM - 9:15AM

#### AAP Working for You

9:30AM - 10:30AM

Tiffany Knowlton, JD, MBA, AAP Executive Director

#### ABPMR: Updates for Coordinators 2023

11:00AM - 11:15AM

Rema David, ABPMR Credentialing & Professional Standing Specialist

#### Re-Applying the Disney Philosophy to Your Work

11:15AM - 12:15PM

Debbie Duckett, C-TAGME

Learn Disney's secrets for success in customer service and how to apply the Disney philosophy to provide an excellent experience for your trainees; to realize that focusing on courtesy is more important than personal efficiency; to use your imagination to create empathy and compassion; and to understand how important imagination is in motivating your trainees.

#### Program Coordinators - Group Photos

1:45PM - 2:15PM

#### Hope for the Best / Prepare for the Worst ...Coordinator Planning for Emergencies

2:15PM - 3:00PM

Cindy Volack, MPA, C-TAGME, Chair, Program Coordinators Council Leadership

#### Coordinator A - Z / 101

3:30PM - 4:30PM (Level: Beginner)

Leslie Justice, BA, Secretary/Program Director, Program Coordinators Council Leadership

#### RFPD Recap / Discussion / Questions

4:30PM - 5:00PM

Cindy Volack, MPA, C-TAGME, Chair, Thomas Petruska, MS, Vice Chair, Leslie Justice, BA, Secretary/Program Director, Nicole Prioleau, Past Chair, Program Coordinators Council Leadership

### THURSDAY, FEBRUARY 23, 2023

#### Program Coordinators Welcome / Day 1 Recap

8:00AM - 8:15AM

Cindy Volack, MPA, C-TAGME, Chair, Thomas Petruska, MS, Vice Chair, Leslie Justice, BA, Secretary/Program Director, Nicole Prioleau, Past Chair, Program Coordinators Council Leadership

#### Working Forward 2.0 - Advocating for Your Residents and Your Program

8:15AM - 9:15AM (Level: Beginner)

Thomas Petruska, MS, Vice Chair, Program Coordinators Council Leadership

#### Wellness in the Workplace

9:30AM - 10:30AM (Level: Intermediate/Advanced)

April Pruski, MD, MBA, Tracy Friedlander, MD, Kavita Nadendla, MD,

#### DE&I: Work Worth Doing

11:00AM - 11:45AM (Level: Intermediate)

Jamie Key, DO, University of Kentucky

#### A Look Back at CLER: Quality and Safety

11:45AM - 12:15PM (Level: Intermediate)

Thomas Petruska, MS, Vice Chair, Program Coordinators Council Leadership

#### Utilizing Mentor Groups for Scholarly Activity, Wellness, and Didactic Leadership

1:45PM - 2:30PM

Rani Lindberg, MD

#### Share the Wealth

2:30PM - 3:00PM

Group Event

#### Coordinator Council Presentation / Voting Session

3:30PM - 4:15PM

Group Event

#### Discussion / Questions

4:15PM - 5:00PM

Cindy Volack, MPA, C-TAGME, Chair, Thomas Petruska, MS, Vice Chair, Leslie Justice, BA, Secretary/Program Director, Nicole Prioleau, Past Chair, Program Coordinators Council Leadership

#### Complimentary Happy Hour sponsored by Ipsen

5:00PM - 6:00PM - Sunset Deck - 5th floor



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Neilsen Foundation funding is dedicated to supporting both programs and scientific research to improve the quality of life for those affected by and living with spinal cord injury.

Visit our website at [www.chnfoundation.org](http://www.chnfoundation.org).





# Administrative Directors Workshop Sessions

These sessions are catered to Administrative Directors with topics ranging from program development and recruitment to rehabilitation facility planning. All sessions below are CME presentations unless noted otherwise.

WEDNESDAY, FEBRUARY 22, 2023

LOCATION: MANHATTAN - 4TH FLOOR

## E&M 2023 Coding Changes/Challenges

8:00AM - 9:00AM

Aaron Olsen, MBA, Associate Chair for Administration, University of North Carolina at Chapel Hill

## Rehabilitation Facility Planning

11:15AM - 12:15PM

Mary McDougal, Executive Administrator, University of Alabama at Birmingham

## Administrative Directors Lunch SPONSORED BY:

12:15PM - 1:00PM



## CPS Reporting Suites and Tools (This is a non-CME presentation)

1:00PM - 2:00PM (non-CME)

Allissa Blevins, MHA, MSN, RN, Jake Langley, MS-HSM, Analyst Vizient Inc.

## Department Administrative Structures

2:00PM - 3:00PM

Lauren Collins, MHA, Director of Finance and Administration, University of Colorado School of Medicine

Mary McDougal, Executive Administrator, University of Alabama at Birmingham

## Subspecialty Program Development and Recruitment

3:30PM - 4:15PM

Lauren Collins, MHA, Director of Finance and Administration, University of Colorado School of Medicine

## Administrative Directors Council Meeting

4:15PM - 5:00PM





# Spaulding research in action

Transforming rehabilitation medicine



**Spaulding and its Department of Physical Medicine & Rehabilitation at Harvard Medical School** support the work of more than 200 scientists, fellows, and research staff. Our pioneering investigators are internationally renowned leaders who publish nearly 400 research reports a year in prestigious medical journals — advancing the science of recovery and transforming the lives of rehabilitation patients.

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President, Spaulding Rehabilitation Network



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[www.SpauldingRehab.org](http://www.SpauldingRehab.org)

# Rusk Rehabilitation: Celebrating 75 Years of Leadership

For 75 years, NYU Langone's Rusk Rehabilitation has been a pioneer in physical medicine and rehabilitation, delivering innovative care, evidence-based research, and dynamic, inclusive education.

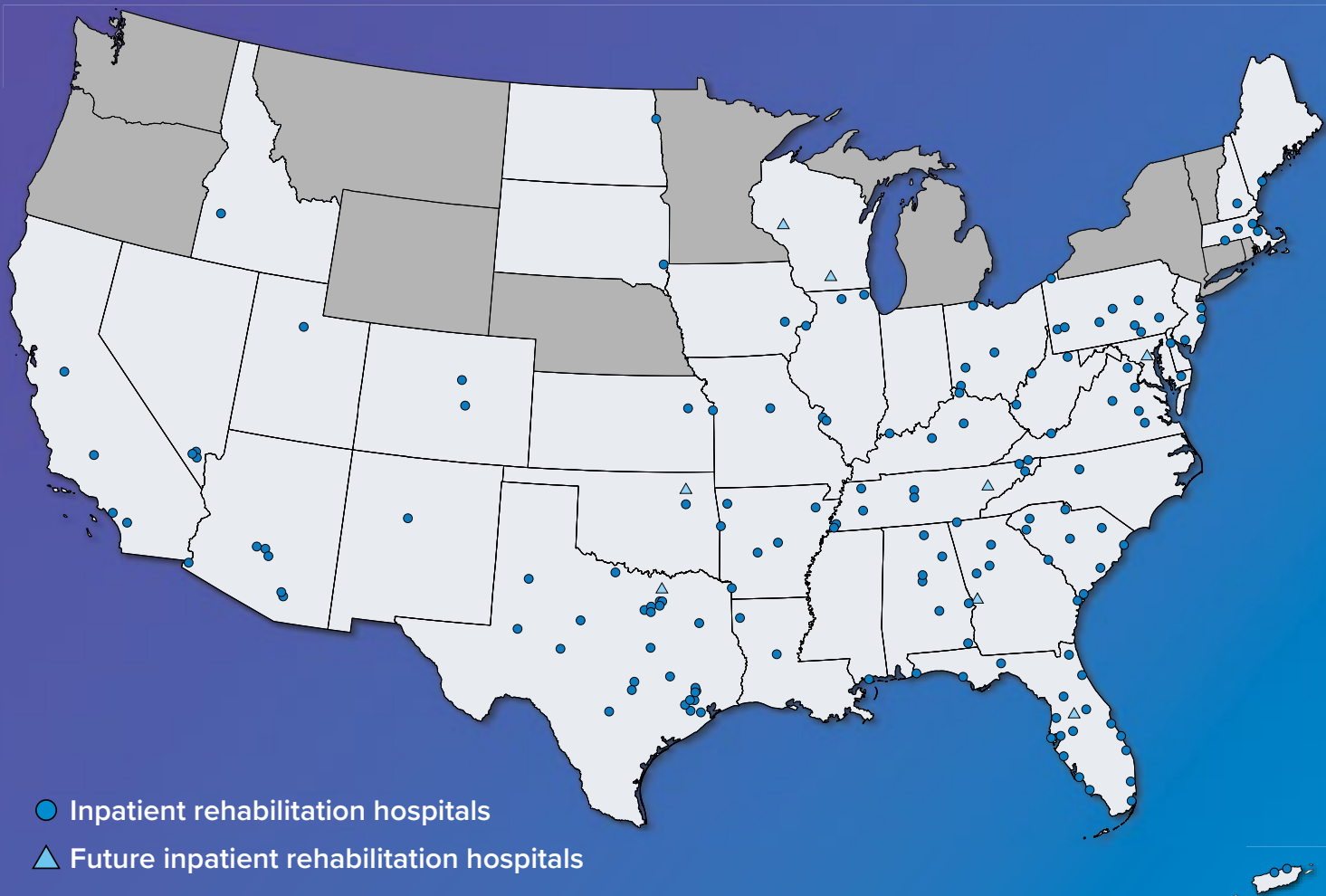
## Call for Award Nominations

We are accepting nominees for this year's Rusk Award for Leadership and Innovation in Physical Medicine and Rehabilitation. This annual recognition honors a physician who has advanced the field through notable and creative contributions to enhancing patient care. The honoree will receive a \$2,500 honorarium and expenses-paid travel to New York City to deliver a lecture at our 75th Anniversary Celebration.

Join us in New York City on **September 22, 2023**  
for our 75th Anniversary Celebration

For more information about registering for the Anniversary Celebration or submitting a nomination for the award, use the camera on your smartphone to scan the QR code below or visit [nyulangone.org/pfrehab](https://nyulangone.org/pfrehab).





**Jamie Boutin**

**Director of Physician Recruitment**

**[jamie.boutin@encompasshealth.com](mailto:jamie.boutin@encompasshealth.com)**

**205.532.9679**

Visit **[encompasshealth.com/physician-careers](https://encompasshealth.com/physician-careers)**  
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# Design Your Physiatry '23 Experience

Physiatry '23 features powerhouse speakers and presentations that showcase the latest research and off-the-press information about clinical care, administration and education. We've organized the experience into 6 unique tracks!



## Academic

Discover the best practices and latest trends in educational curricula, career development and more.



## Administration

Find insights on building ongoing success for your program, department, institution, and the future of the specialty worldwide.



## Clinical

Take real-world scenarios to practice with our clinical track, bringing you the sought-after topics in patient care.



## Research

Examine the latest discoveries from across the spectrum of rehabilitation research.



## In-Training

Students, residents and fellows will learn critical career development skills from your peers and leaders in the specialty.



## International

These sessions will cater to physiatry's exponential growth and worldwide outreach.

### BUILD YOUR PERSONALIZED AGENDA

View the latest updates, browse sessions and speakers, and create your personalized itinerary through our Physiatry '23 app.

**Earn up to 24 CME  
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Don't forget to bring your conference badge! You'll need to have it on you for all AAP events.

## EDUCATIONAL SESSIONS 1

8:00AM - 9:00AM



### Advancing Clinical Research and Practice in Procedure-based Therapies

*Erwin Montgomery, MD*

**Location: Pacific Ballroom A - 2nd FI**

Physiatry, as a procedure-based practice, is complex. The complexity creates challenges to clinical research not faced by medicine-based research. The sequential processes within the procedures amplify variance or error propagated through the procedure. The potentially great number of factors and their interactions translates to outcomes that are more idiosyncratic per subject. This renders extrapolation from procedure-based clinical trials to the prospective patient problematic. Novel approaches to some of these challenges will be discussed.



### Climate Change, Disability and Rehabilitation

*Maya Newman, MD, MS, Marcalee Alexander, MD, Anita Lowe Taylor, MD, Alex Ghenis, MS, Adam Tenforde, MD*



**Location: Carmel - 4th FI**

Climate change presents significant challenges to public health and drastically impacts the health and well-being of people with disabilities. In this session, experts will discuss the relationships between climate change, disability, health and function, showing attendees implications for medicine, research, and policy. We will cover how rehabilitation professionals and people with disabilities can work together to reduce their environmental impact, and how adapting to climate change must address people with disabilities' health, well-being, and independence.



### From the Frontiers of Healthcare Transformation: A Fellowship in Value-Based Spine and Musculoskeletal Medicine

*Christopher Standaert, MD, Joseph Shivers, MD, James Eubanks, MD, MS*

**Location: Malibu - 4th FI**

There is a critical need for physiatry to establish its role in improving value. In collaboration with the UPMC Health Plan, we have initiated the only Fellowship in Value-Based Spine and Musculoskeletal Medicine to develop physician leaders who can foster change towards patient centered care and improved value through comprehensive, team-based physiatric care. Through a case-driven discussion, we will address critical elements in the development of physiatric fellowships in value-based medicine.



### Overcoming Research Phobia Among Residents, Fellows, and Faculty: Tips to Navigate the Research Journey



*Shanti Pinto, MD, Kathleen Bell, MD, Gary Vargas, MD*

**Location: Laguna A/B - 4th FI**

Despite an interest in research, many trainees are intimidated by the process. This seminar will focus on the basic steps to overcoming research fears for residents and fellows. Clinician-researchers and recent trainees will present an algorithmic approach to study design and implementation for beginners. Trainees will be given guidance on how to select an effective research mentor and team. Guidance will also be provided for clinical faculty to successfully engage trainees in the research process.



### Performing Arts Medicine - What Is It and How Do You Integrate Into Your Clinical Practice?

*Yein Lee, DO, Lauren Elson, MD, Sajid Surve, DO*

**Location: Pacific Ballroom B - 2nd FI**

Performing artists deliver their art to the audience through music, dance, and drama (and many other) performances. With highly specialized skills and extraordinary demands on their body, they have unique medical issues strictly due to their occupation. As physiatrists, our expertise in physical medicine and rehabilitation and focusing on individual optimization of function, makes us ideally suited to manage the medical problems of performing artists. In this session, we will introduce performing arts medicine (PAM) and how physiatrists can include PAM in their practice. We will explore many different types of practice that already exist. We will then transition into a panel session to examine each physiatrist's journey as a PAM physician and the practical aspects of their practice, including their operational know-how.



### Probabilistic Decisions for Physiatrists: The Best for the Patient by Means of a the Bayesian Analysis



*Mario Giraldo-Prieto, MD*

**Location: Monterey - 4th FI**

This academic activity pretends to train physicians on how to calculate and interpret the probabilities of an event, given an input information of a patient with specific particularities.

By means of Bayesian inference, the clinician will build up strong or weak beliefs about a negative or a positive test when a high, intermediate or low probability is obtained, and therefore, will have the tools to make more accurate decisions.



### Robotic Exoskeletons: Are they there yet?

Arun Jayaraman, PT, PhD

**Location:** Pacific Ballroom C - 2nd FI

This session will focus on different lower limb exoskeletons, and provide clinical use case scenarios where these devices are used in an acute-care setting, outpatient setting, and home and community settings. Their use in different clinical populations, the pros and cons, and the future of these devices in a continuum of care environment will also be discussed. Discussion will include lessons learned with clinical and engineering insight into how these technologies are being further developed and potentially pushed into main-stream clinical care.

### BREAK

9:00AM - 9:30AM



### PLENARY SESSION Sustaining High Performance Through Adversity

(Please Note: This is a non-CME presentation)



9:30AM - 10:30AM

**Location:** Pacific Ballroom C - 2nd FI

### REFRESHMENT BREAK IN THE EXHIBIT HALL, DEMO PODS & POP-UP PRESENTATIONS

10:30AM - 11:15AM

**Location:** California Ballroom - 2nd FI

### Scientific Paper Presentations/Best Paper

11:15AM - 12:15PM

**Location:** Monterey - 4th FI

### EDUCATIONAL SESSIONS 2

11:15AM - 12:15PM



### Demystifying Diversity, Equity and Inclusion (DEI) in the Institution of Medical Education

Monica Verduzco-Gutierrez, MD, Cynthia Racine, MD, Alex Moroz, MD

**Location:** Malibu - 4th FI

As the population in the USA is growing and becoming more diverse, our medical institutions also must grow and reflect the diversity of our nation and the patients we serve. The literature demonstrates poor progress on this front. As members of the medical education community, how do we as leaders focus and guide our efforts to develop inclusive, equity-minded environments? How do we contribute to the growth necessary to serve our changing patient populations? We name it to tame it! In this talk we will explore the factors impeding our progress and identify and share strategies to help us move forward.



### Enriched Environments for Rehabilitation

Preeti Raghavan, MD, MBBS, Brian Harris, MA, Anne Felicia Ambrose, MD, MS, Joe Verghese, MBBS, MS

**Location:** Pacific Ballroom A - 2nd FI

Enriched environments support social, cognitive, and physical engagement for neural recovery. Music- and dance-based interventions have the potential to provide an enriched environment for rehabilitation. This session will demonstrate how music - and dance-based interventions, that are engaging and enjoyable for patients, also have neural, biologic and behavioral effects that can be effectively harnessed for rehabilitation and to prevent cognitive decline.



### International Views on Rehabilitation: From Cardiac to Sports and Everything in Between

Matthew Bartels, MD, MPH, Marta Supervia, MD, MSc, PhD, Rory Dixon, MD, Nicole Ortiz, MD



**Location:** Carmel - 4th FI

International rehabilitation efforts are growing in response to the needs of individuals with disabilities worldwide. The challenges and opportunities these international settings present are as varied as the countries they are being started in. We present a forum where several leaders in rehabilitation in their respective nations in Europe, the Middle East, and the Caribbean present their experiences and challenges in a forum.



### Management of Spastic Hemiplegic Gait

Sheng Li, MD, PhD, Michael Munin, MD, Daniel Moon, MD, MS

**Location:** Pacific Ballroom B - 2nd FI

A theoretical framework will be presented to advance our understanding of spastic hemiplegic gait, pros and cons of management options (phenol, toxins, and orthotics) will be discussed with clinical cases.



### Mobility and Fragility: Geriatric Traumatic Brain Injury (TBI) Care & Management

Sima Desai, MD, MS, Kelly Crawford, MD, Jason Edwards, DO

**Location:** San Simeon AB - 4th FI

Due to the rising numbers of the geriatric population with TBI; it is imperative that clinicians treating this patient population are aware of the unique medical and rehabilitative challenges faced by the geriatric population following a TBI. This population can be challenging to work with due to their various medical co-morbidities with increased rates of mortality and worse functional outcomes. This session will provide guidelines for the management of TBI in this geriatric population.





## PM&R Boards Part I (Computer-Based Exam): Tips for Success From the ABPMR



*Carolyn Geis, MD*

**Location: Laguna A/B - 4th Fl**

Are you nearing the end of residency and starting to prep for the PM&R boards? You're not alone, and in what may be a surprise: the ABPMR is here to help. From helping you decipher the Part I Examination Blueprint, to the latest exam research, to evidence-based study methods, ABPMR leaders and exam volunteers will cover what you need to know as you prepare for the first step to board certification: The computer-based, multiple-choice Part I Examination.

### LUNCH BREAK

**12:15PM - 1:45PM**

### LUNCH & LEARN

**12:30PM - 1:30PM**

**Location: Pacific Ballroom C - 2nd Fl**

Grab complimentary lunch and enjoy a 60-minute presentation exploring hot topics in PM&R. There is no fee to attend, registration is not required, and seating is available on a first-come, first-serve basis.

### Scientific Paper Presentations: Sports Medicine

**2:00PM - 3:00PM**

**Location: Monterey - 4th Fl**

### EDUCATIONAL SESSIONS 3

**2:00PM - 3:00PM**



## Does COVID-19 Infection Impact Functional Outcomes in Patients with Acute Strokes? A retrospective analysis of 177 patients who completed inpatient rehabilitation

*Anne Felicia Ambrose, MD, MS, Daniel Labovitz, MD, Matthew Bartels, MD, MPH*

**Location: Carmel - 4th Fl**

Examine the incidence, demographics, pathophysiology and presentations of a COVID-19 induced stroke. We will describe the results of retrospective cohort study that we conducted at our institute. We followed the course of a 177 patients who were admitted to the stroke unit and subsequently transferred to the Inpatient Rehabilitation Unit. We examined their medical course, complications, length of stay, ability to participate in therapy and functional outcomes



## Esports Medicine: New Frontiers in Psychiatry

*Lindsey Migliore, DO*

**Location: Pacific Ballroom C - 2nd Fl**

Over 3 billion people consider themselves video gamers. Competitive gaming, known as esports (never e-sports, eSports, or e-gaming), is an emerging industry with numbers set to eclipse the NFL in 2023. Esports athletes spend upwards of 12 hours a day training their bodies for competition, yet their health risks are relatively unknown. Healthcare leaders for this billion dollar industry

are needed, necessary and will shape the future of the subspecialty for years to come.



## Facilitating the Shift Toward Precision Rehabilitation: Infrastructure, Feasibility, and Implementation

*Ryan Roemmich, PhD, Pablo Celnik, MD, Preeti Raghavan, MBBS, Carmichael Ong, PhD*

**Location: Pacific Ballroom A - 2nd Fl**

The goal of precision rehabilitation is to provide the right care for the right person at the right time. This model of care requires and facilitates a learning health system, where data are collected from patients, analyzed and interpreted, and ultimately fed back into the health system to improve patient-specific care for patients in the future. In this session, we will discuss strategies for development and implementation of a precision rehabilitation framework.



## Gynecologic Considerations in Females with Spinal Cord Disorders

*Laura Hobart-Porter, DO, Kathryn Stambough, MD*

**Location: Pacific Ballroom B - 2nd Fl**

Women's health has been traditionally overlooked, and reproductive health in particular side-lined, despite its significance in development and health. Women with spinal cord anomaly, whether congenital or acquired, are at high risk of morbidity and mortality compared with peers. A two-person panel consisting of a pediatric physiatrist and an OBGYN will review reproductive health concerns of females with congenital or acquired spinal cord anomaly, reviewing best practices and pitfalls to avoid in the care of females with spinal cord disorders.



## Heart Transplantation: Should I Stay or Should I Go?

*Leslie Rydberg, MD, Laura Malmut, MD, Kim Barker, MD, Sarah Eickmeyer, MD*

**Location: Malibu - 4th Fl**

This session will discuss exercise physiology of the transplanted heart, functional outcomes after heart transplantation, medications used for immunosuppression and prophylaxis, medical complications seen after transplantation, and special considerations for Intrathoracic Pressure Regulation (IPR) in this patient population. This session will split the audience and presenters into two groups and use specific case presentations to debate the pros and cons of providing rehabilitation care to this patient population.



## PM&R Boards Part II (Oral): Tips for Success From the ABPMR

*Christopher Garrison, MD*



**Location: Laguna A/B - 4th Fl**

As the final step to successful board certification in PM&R, the ABPMR Part II Examination can loom large in candidates' imaginations. But the ABPMR has been releasing more information than ever about its oral exam processes, including sample vignettes, what examiners are looking for, and study tips and resources. In this session, ABPMR leaders and exam volunteers will provide an inside look at the ABPMR Part II Examination, culminating

in a mock oral exam session, complete with compelling performances and discussion on points of performance. Residents and fellows, you don't want to miss it!

#### REFRESHMENT BREAK IN THE EXHIBIT HALL, DEMO PODS & POP-UP PRESENTATIONS

3:00PM – 3:30PM

Location: California Ballroom – 2nd FI

Scientific Paper Presentations: Administrative/  
Leadership/Education and Other/General Medicine

3:30PM – 5:00PM

Location: Monterey – 4th FI

#### EDUCATIONAL SESSIONS 4

3:30PM – 5:00PM



##### A Student Asked Me for Advice, Now What? Medical Student Advising for Those Matching PM&R - brought to you by the AAP Medical Student Education Council

Ashlee Bolger, MD, MEd, Carley Sauter, MD, Ravi Kasi, MD, Leslie Rydberg, MD, Nethra Ankam, MD

Location: Malibu – 4th FI

This session will review methods of advising medical students with a focus on advising the student matching in PM&R as well as updated PM&R Match data. Real life scenarios one might encounter when serving as a medical student advisor will be discussed. Attendees will leave with access to a shared advising document created in real time during the session.



##### An Interprofessional, Lifestyle Medicine Approach to Musculoskeletal Pain: The Latest Evidence

Abby Cheng, MD, MS, Heidi Prather, DO, Devyani Hunt, MD, Gwendolyn Sowa, MD, PhD, Juliana Varela, LCSW, Scott Stoll, MD

Location: Carmel – 4th FI

As physiatrists, we know the importance of exercising, eating right, managing stress, and treating patients with a team-based approach. In this session, we'll discuss the latest evidence and practice using these principles to implement and optimize an interprofessional lifestyle medicine program for patients with musculoskeletal conditions.



##### Leveraging the Power of Digital Health to Improve Rehabilitation Outcomes

Brad Dicianno, MD, MS, Bambang Parmanto, PhD, Yanshan Wang, PhD

Location: Pacific Ballroom A – 2nd FI

Digital health technologies include mobile health (e.g., smartphone apps), telemedicine, wearables, LIDAR, 3D modeling, and other tools used to deliver personalized care. Evidence on their use in rehabilitation will be reviewed. Research studies that evaluate how these technologies can be used to impact outcomes of people with disabilities and caregivers in clinical and community-based settings will be presented. Leveraging the electronic health record to understand social determinants of health will also be discussed.



##### Sideline Emergencies in Sports Medicine

Amie Kim, MD, David Cancel, MD, Joseph Herrera, DO, Mariam Zakhary, DO, Richard Chang, MD, MPH, Nadia Zaman, DO, Se Won Lee, MD, Laura Anderson, MD

Location: Pacific Ballroom C – 2nd FI

Sideline emergencies present life-threatening events in which delayed or improper care can have disastrous consequences. Sideline physicians are first responders in these events, and should have confidence in their ability to evaluate and treat on-field emergencies. In most cases, there is a gap in knowledge about sideline emergencies, as physicians may never have encountered these events during training. This workshop will implement clinical scenarios and hands-on training, preparing the sideline physician for life threatening emergencies.



##### Tracts, Toxins, and Tonics – TBI for Trainees

Nikola Dragojlovic, DO, Natasha Romanoski, DO, Clausyl Plummer, MD



Location: Laguna A/B – 4th FI

Stuck on spastic limbs? Want to ameliorate attention disorders? This session provides hands-on learning in a case-based format to improve your knowledge base and management skills of patients with traumatic brain injuries. The focus here is on practical skills of spasticity and dystonia management, pharmacologic treatments, and how pathophysiology correlates with function and outcome.



##### Ultrasound Evaluation of Peripheral Nerves: Upper Limb (Hands-on)

Amit Bhargava, MD, Allison Schroeder, MD, Jonathan Kirschner, MD, Mark Hurdle, MD, Kentaro Onishi, DO

Location: Pacific Ballroom B – 2nd FI

Musculoskeletal sonography is becoming an important part for evaluating and managing joint, nerve and soft tissue disorders. This course is designed to shorten the learning curve for health professionals interested in developing expertise in MSK ultrasound of peripheral nerves of upper limb. The course will familiarize clinicians with key techniques used to perform MSK examinations. Clinicians will learn to recognize normal anatomy, common pathologies, and critically evaluate the images of upper limb peripheral nerves.

#### POSTER GALLERY RECEPTION

5:00PM – 6:30PM

Location: Pacific Ballroom D – 2nd FI

#### UPMC PRESIDENT'S WELCOME PARTY

Join us for 'A Night in Hollywood'  
with cocktails, hors d'oeuvres, great  
company and even a few surprises!

6:30PM – 8:00PM

Location: California Ballroom – 2nd FI



## HOT BREAKFAST SYMPOSIUM

7:00AM-8:00AM

Location: San Simeon AB - 4th Fl

### Scientific Paper Presentations: Musculoskeletal and Ultrasound

8:00AM - 9:00AM

Location: Monterey - 4th Fl

## EDUCATIONAL SESSIONS 1

8:00AM - 9:00AM



### Build Resources for Psychiatrists Around the World: Core Competencies for International Expansion of Psychiatry (GAPS)



Mooyeon Oh-Park, MD, MS, Wali Sabuhi, Maya Therattil, MD, Alexandra Arickx, MD, Christine Groves, MD, MPH, Raul Rosario-Concepcion, MD, Francisco De La Rosa, MD

Location: Carmel - 4th Fl

AAP launched Global Academic Psychiatry Subcommittee to address the global needs of psychiatry training especially with respect to developing nations. This strategic action also explores opportunities to partner with ISPRM and other national psychiatry groups in advancing global academic psychiatry. This subcommittee formulate specific methods that AAP will implement to advance global academic psychiatry. This session will discuss core competencies required for interested trainees and professionals to excel at international outreach strategies and relationship building.



### Hot Topics and Hot Tips for Psychiatry Advocacy

Felicia Skelton, MD, MS, Ellia Ciammaichella, DO, JD, William Evan Rivers, DO, James Wilson, DO, Nethra Ankam, MD

Location: Malibu - 4th Fl

Join members of the public policy committee in discussing breaking policy updates affecting your practice, research, and academic institutions. We will also provide a primer on health policy lingo so you can stay "in the know" and feel confident advocating for your patients and trainees.



### Identifying Posttraumatic Headache in Veterans and VHA's Evolving Approach to Management

Dixie Aragaki, MD, Udai Nanda, DO, Blessen Eapen, MD, Don McGeary, PhD

Location: Pacific Ballroom C - 2nd Fl

The VA Healthcare System has created an innovative interdisciplinary care continuum to address the entire spectrum of traumatic brain injury (TBI) and posttraumatic headache. By reviewing the prevalence and burden of posttraumatic headache and identifying the strategies the VA is using to address them, learners will be equipped with the skills to apply these techniques in various clinical settings.



### Lifestyle Medicine and its Role in PM&R - The What, Why and How

Arti Panjwani, DO

Location: Manhattan - 4th Fl

Lifestyle medicine is a medical specialty that uses therapeutic lifestyle interventions as a primary modality to treat chronic diseases. While its application in the treatment and prevention of metabolic disease is well established, there is also strong evidence that supports the use of lifestyle medicine to address musculoskeletal disorders and pain. This session will include an overview of lifestyle medicine, its role in the treatment of musculoskeletal disorders, and its application in private practice.



### New Evidence on the Origins and Manifestations of Spasticity and Muscle Stiffness and Their Potential Treatments

Preeti Raghavan, MBBS, Joan Stilling, MD, MSc, Ronan Mooney, PhD, Sheng Li, MD, PhD, Paria Arfa Fatollahkhani, MD, MSC

Location: Pacific Ballroom A - 2nd Fl

Although spasticity is frequently defined as a "velocity-dependent resistance to stretch," its definition has evolved. This session will provide updated information on the new definition of spasticity and the evidence around it, including the role of reorganization of central nervous system pathways such as the reticulospinal tract and alterations in the peripheral muscular system that lead to muscle stiffness.



### One of a Kind: The PM&R Intern Year

Nicholas Elwert, DO, MS



Location: Laguna A/B - 4th Fl

The first year of residency is HARD. The PM&R intern year is a year in which a resident experiences tremendous growth in all facets. Join us as we discuss topics that all students and residents going into psychiatry should know. We will discuss the basics of post-acute care settings and therapy services as well as cover the basics of key PM&R diagnoses.



### Running Analysis: Catching the Right Stride

Mariam Zakhary, DO

Location: Pacific Ballroom B - 2nd Fl

From marathon runners to casual joggers, athletes took to the pavement during the pandemic to find some sort of escape from the couch. Injury rates increased shortly after due to poor biomechanics and muscle imbalances that went on unrecognized. That constant improper technique led to debilitating injuries and inefficient movement. Utilizing the running analysis technique that will be discussed, is a simple and yet effective tool that can guide patients back onto the right track.

## BREAK

9:00AM - 9:30AM





**DeLisa Lecture  
PLENARY SESSION  
A Brain Implant That Turns Thoughts  
into Text**

(Please Note: This is a non-CME presentation)

**9:30AM – 10:30AM**

**Location: Pacific Ballroom C – 2nd Fl**

**REFRESHMENT BREAK IN THE EXHIBIT HALL,  
DEMO PODS & POP-UP PRESENTATIONS**

**10:30AM – 11:15AM**

**Location: California Ballroom – 2nd Fl**

**Scientific Paper Presentations: Spinal Cord Injury**

**11:15AM – 12:15PM**

**Location: Monterey – 4th Fl**

**EDUCATIONAL SESSIONS 2**

**11:15AM – 12:15PM**



**Educating Physical Medicine and Rehabilitation  
Residents in Subacute Rehab Facilities: Opportunities  
and Barriers**

*R. Samuel Mayer, MD, MEHP, Dominique Vinh, MD,  
MBA, CMD*

**Location: Manhattan – 4th Fl**

In the U.S., 3.2 million people are admitted to skilled nursing facilities (SNF) compared to 380,000 to comprehensive inpatient rehab facilities (IRF). Increasingly physiatrists are practicing in SNF. Yet residency programs in PM&R contain limited exposure to care in these settings. This program explores reasons for this mismatch, and strategies to overcome these barriers. It will be a highly interactive discussion, working towards identifying best practices.



**Fellowship Roundtables**

*Haruki Ishii, MD, Salvador Portugal, MD, Karl Klamar, MD, Gemayaret Alvarez, MD, Jelena Svircev, MD, Christian Custodio, MD*

**Location: Laguna A/B – 4th Fl**

This is a question and answer session between fellowship program directors and residents applying to fellowship. The goal of this session is to guide residents through the application process in order to facilitate a successful match in the fellowship of their choice.



**Innovations and Progress in Cardiopulmonary  
Rehabilitation: Lessons from COVID, Population Health,  
and Telemedicine**

*Matthew Bartels, MD, MPH, David Prince, MD,  
Jonathan Whiteson, MBBS*

**Location: Carmel – 4th Fl**

Cardiopulmonary rehabilitation is an essential part of the care for patients in rehabilitation. This session reviews the newest advances in the provision of care in acute care and outpatient settings, looking at advances in telerehabilitation, at home rehabilitation, and the role

of virtual programs to deliver at home cardiopulmonary rehabilitation. The latest changes in reimbursement and regulations will also be reviewed which enable a greater provision of these services to our patients.



**Knee Osteoarthritis: What Can I Offer You?**

*Amit Bhargava, MD, Jonathan Kirschner, MD*

**Location: Pacific Ballroom C – 2nd Fl**

Osteoarthritis (OA) of the knee is a very common degenerative chronic disease which is responsible for debilitating pain and affects the quality of life. Osteoarthritis is multifactorial in origin. Various treatments have been documented including, medication, modification of life style, injections and surgery. Newer techniques include tissue regeneration injections (platelet rich plasma, stem cells) and radiofrequency of genicular nerves.



**Sarcopenia and Function in Elderly Adults and Stroke  
Survivors**

*Sheng Li, MD, PhD, Walter Frontera, MD, PhD,  
Gerard Francisco, MD, Javier Gonzalez-Buonomo, MD*

**Location: Pacific Ballroom A – 2nd Fl**

Sarcopenia is a progressive and generalized loss of skeletal muscle mass and function. Sarcopenia is primarily a disease of the elderly, but it can occur secondary to stroke. The aims of this educational session are to 1) provide an overview on sarcopenia and function in healthy older adults; 2) review current literature on sarcopenia in stroke survivors; 3) present our new experimental data on sarcopenia, spasticity, motor impairments, and function in stroke survivors.



**Traumatic Brain Injury as a Chronic Disease**

*Daniel Daneshvar, MD, PhD, Flora Hammond, MD,  
Ross Zafonte, DO*

**Location: Malibu – 4th Fl**

Traumatic Brain Injury (TBI) is often conceptualized as an acute process with varying extent of recovery, but an emerging literature has classified TBI as a chronic condition with persistent effects on long-term health and function. In particular, those who sustain TBI earlier in life may have divergent functional trajectories that result from evolving sequelae of their TBI. This session will explore these topics, as well as the difficulties disentangling the aging brain from the aging brain following TBI.



**VHA Approach to Management of Veterans with  
Musculoskeletal Impairments and its Implications for  
Community Physiatry Care**

*Nandita Keole, MD, John Sollenberger, DO,  
Sanjog Pangarkar, MD, Ronald Shin, DO*

**Location: Pacific Ballroom B – 4th Fl**

This session is endorsed by AAP's VA Council and will review the epidemiology of chronic musculoskeletal pain in US Veterans and outline management strategies that have been effectively implemented in the Veterans administration Hospitals. We will highlight key differences in presentation and progression of these conditions among Veterans. Our presentation will help our community partners manage pain conditions in Veterans who present to their clinics.



**COMPLIMENTARY LUNCH IN THE EXHIBIT HALL**

12:15PM - 1:45PM

Location: California Ballroom - 2nd FI

**LUNCH & LEARN**

12:30PM - 1:30PM

Location: Expo Hall Lab (back left)

Grab complimentary lunch following this lunchtime lab. There is no fee to attend, registration is not required, and seating is available on a first-come, first-serve basis.

**Scientific Paper Presentations: Pain and Spasticity**

2:00PM - 3:00PM

Location: Monterey - 4th FI

**EDUCATIONAL SESSIONS 3**

2:00PM - 3:00PM



**Conscious Leadership Coaching and the Psychiatry Trainee**

Unoma Akamagwuna, MD, Christine Lee, MD, CPE

Location: Carmel - 4th FI

The session will be interactive and provide basic knowledge of what coaching is and is not. Conscious Leadership Coaching is based on making conscious decisions, not reacting to, but responding to given circumstances, using logic, emotion, and intuition. The session allows the participants to experience coaching in a small group firsthand and learn to ask powerful questions. Additionally, participants will get access to a framework for bringing coaching back to their local institution.



**Finding Your Why: Developing a Personal Mission, Vision, and Values for Early Career Psychiatrists**

Allison Schroeder, MD, Allison Bean, MD, PhD, Alethea Appavu, DO, Giselle Areni, MD

Location: Pacific Ballroom B - 2nd FI

In this session, we will explore the role of mindset and discuss how having a clear personal mission, vision, and values can enable early career psychiatrists to shape their academic careers into one that truly serves them.



**Optimizing Bone Health in PM&R**

Anne Kuwabara, MD, Michael Fredericson, MD, Aurelia Nattiv, MD, Andrea Fox, PA-C, MHA, MMS

Location: Malibu - 4th FI

This session will discuss the evaluation of bone health in athletes, children and adolescents, men, post-menopausal women, and older age patients. We will also discuss pre-operative or post-fracture bone health optimization, treatment, and prevention strategies.



**Practical Advice for Medical Student Research: For the Mentor and the Mentee**

W. David Arnold, MD, Daniel Herman, MD, PhD, Qing Mei Wang, MD, PhD, Drew Redepenning, BBME, ATP

Location: Pacific Ballroom A - 2nd FI

This session is designed for the mentor and mentee alike and address the need for increasing medical student involvement in psychiatric research.



**PM&R in the 21st century: Why Psychiatrists Should Pursue Healthcare Leadership Roles**

Mohammad Agha, MD, MHA

Location: Manhattan - 4th FI

Healthcare is in a volatile period with strong leadership needed more than ever. Physician leadership is an area of increasing interest with demand far exceeding supply. Psychiatrists, with unique training and a wide variety of practice locations, are an ideal group to pursue leadership opportunities. In this presentation, we will discuss the current state of physician leadership, why psychiatrists are ideal physicians to climb the leadership ladder, and what steps to take for this journey.



**The Sports-Pain Continuum: A Spectrum of Practice**

Steven Siano, MD, William Riden, DO, MBA



Location: Laguna A/B - 4th FI

The Sports-Pain Continuum is a spectrum that encompasses a large part of psychiatric practice. The continuum includes multiple facets of PM&R including EMG, musculoskeletal medicine, pain, sports medicine, traumatic brain injury, and interventional spine care. This session is aimed at explaining the similarities and differences of these fields and offering a framework to select a future fellowship and/or practice.



**Town Hall: Everything You Need to Know About Board Certification**

Carolyn Kinney, MD, Sherilyn Driscoll, MD



Location: Pacific Ballroom C - 2nd FI

Whether you are preparing for PM&R board certification or you are an experienced practitioner, you have questions — and we have answers! Join ABPMR Executive Director Carolyn Kinney, MD and ABPMR Board Chair Sheri Driscoll, MD in a Town Hall Q and A session where they will give you information and updates on Part I and Part II, longitudinal assessment, lifelong learning benefits, plans for subspecialty LA, future plans and priorities of the ABPMR and more — all to assist you in your PM&R career.

**REFRESHMENT BREAK IN THE EXHIBIT HALL, DEMO PODS & POP-UP PRESENTATIONS**

3:00PM - 3:30PM

Location: California Ballroom - 2nd FI

**Scientific Paper Presentations: Rehabilitation Research Experience for Medical Students (RREMS)**

3:30PM - 5:00PM

Location: Monterey - 4th FI

## EDUCATIONAL SESSIONS 4

### 3:30PM – 5:00PM



#### Creating a Collaboration to Enhance Rehabilitation Services in International Settings: Enhancing Sports Medicine in Jamaica and Haiti

Matthew Bartels, MD, MPH, Shane Drakes, MD, Rory Dixon, MD, Laurenie Louissaint, MD, MS, Nicole Ortiz, MD

**Location: Carmel – 4th FI**

The creation of an alliance to standardize pre participation, return to play, concussion screening and care, and provision of sideline medicine for sports in an international setting will be illustrated with an example of coordination with the Ministry of Sports in Jamaica. Key elements to establish International medical cooperation, develop coordinated teams, and the establishment of educational exchanges will be discussed in the framework of providing excellent care for sports participants based on normalized standards.



#### A Framework to Enhance your Mentoring Conversations

Karen Barr, MD, Max Hurwitz, DO, Angela Garcia, MD

**Location: Manhattan – 4th FI**

Mentoring is an essential skill for medical educators, yet opportunities to deconstruct and practice this skill in a low stakes situation while receiving feedback are few. In this interactive simulation, attendees will have the opportunity to practice mentoring skills by using an evidence based framework, while receiving coaching and suggestions. If attendees prefer to stay out of the “hot seat.” they can still join in by providing suggestions as they observe the mentoring scenario unfold.



#### Pathways for Physiatrists in the Olympic and Paralympic Movement

Stephanie Tow, MD, Ellen Casey, MD, Suzy Kim, MD, Cheri Blauwet, MD, Jonathan Finnoff, DO, Gerardo Miranda-Comas, MD, Monica Rho, MD, Kentaro Onishi, DO

**Location: Pacific Ballroom B – 2nd FI**

What does it mean when a physiatrist says they work with Olympic and/or Paralympic athletes? There are many important roles and pathways to provide medical support in the Olympic and Paralympic Movement. Join this session to learn about physiatrists’ roles and responsibilities in working with Olympic and Paralympic athletes, their unique pathways to these roles, and how you may join the Olympic and Paralympic movement in the future!



#### The Mastery Learning Technique to Teach PM&R Procedure Skills: A Hands-on Workshop

Leslie Rydberg, MD, Jacqueline Neal, MD, Dana Branch, MD, Matthew Haas, MD

**Location: Malibu – 4th FI**

This ninety-minute session will include brief didactics on the foundations of mastery learning, a form of competency based medical education, followed by a hands-on workshop

with participants engaging in an actual mastery learning session including pre-test, educational content, hands on deliberate practice, and post-test. The session will conclude with small groups to apply mastery learning knowledge to other PM&R procedures.



#### The Rehabilitation Treatment Specification System: Opening the Black Box of Rehabilitation

John Whyte, MD, PhD, James Eubanks, MD, MS, Shanti Pinto, MD, Sarah Welch, DO

**Location: Pacific Ballroom A – 2nd FI**

The Rehabilitation Treatment Specification System (RTSS), is a multidisciplinary system for specifying rehabilitation treatments with respect to their known or hypothesized active ingredients. If widely adopted, the RTSS has the capacity to enhance rehabilitation research, training, and clinical practice. Upon completion of this session, attendees will understand potential contributions of the RTSS to rehabilitation research, training, and clinical practice, as well as the remaining work required to implement the RTSS in the field.



#### PM&R ALL-STAR PANEL – Reflux & Reflexes

Sean Dreyer, MD

**Location: Pacific Ballroom C – 2nd FI**

**Legends of PM&R answer your HOTTEST questions in a LIVE session of Reflux & Reflexes!**

Your spicy all-star line-up: Monica Verduzco-Gutierrez, MD, Eric Wisotzky, MD, Miguel Escalon, MD, MPH, and Nikola Dragojlovic, DO. Now’s your chance to ask for their secrets about how to achieve success in applications, leadership, medical education, and work-life balance — **over wings with excessively spicy hot sauce. Don’t miss it!**



#### POSTER GALLERY RECEPTION

**5:00PM – 6:30PM**

**Location: Pacific Ballroom D – 2nd FI**

#### MEDICAL STUDENT QUIZ BOWL

**6:30PM – 8:00PM**

**Location: Pacific Ballroom C – 2nd FI**

#### RESIDENT/ FELLOW NETWORKING NIGHT

**7:30PM – 9:00PM**

**Location: House of Blues Anaheim**



## HOT BREAKFAST SYMPOSIUM

7:00AM-8:00AM

Location: San Simeon AB - 4th Fl

### AAP AWARDS PRESENTATION

8:00AM - 8:30AM

Location: Pacific Ballroom C - 2nd Fl

### MEMBER CAUCUS, AAP PRESIDENT'S ADDRESS, AND GENERAL BUSINESS

8:30AM - 9:15AM

Gwendolyn Sowa, MD, PhD

Location: Pacific Ballroom C - 2nd Fl

### RMSTP SCIENTIFIC PAPER PRESENTATIONS

9:15AM - 10:00AM

Location: Pacific Ballroom C - 2nd Fl

## REFRESHMENT BREAK IN THE EXHIBIT HALL, DEMO PODS & ANATOMY LAB

10:00AM - 10:45AM

Location: California Ballroom - 2nd Fl

## Scientific Paper Presentations - Rehabilitation Research Experience for Medical Students (RREMS)

10:45AM - 12:15PM

Location: Monterey - 4th Fl

## EDUCATIONAL SESSIONS 1

10:45AM - 11:45AM



### Acupuncture as Gateway to Wellness in Psychiatry

10:45AM - 12:15PM (Note special time)

Betty Liu, MD, Angela Garcia, MD

Location: Pacific Ballroom B - 2nd Fl

Take the opportunity to use the tenets of acupuncture to introduce wellness and lifestyle change to your PMR patients. There will be small group break outs for hand-on case presentation with audience volunteers and treatment.



### Long COVID: An Overview of Pathobiology and Evidence-based Approaches to Care

David Putrino, PhD, PT, Monica Verduzco-Gutierrez, MD, Joseph Herrera, DO, FAAPMR

Location: Manhattan - 4th Fl

Long COVID is a Post-Acute Sequelae of COVID-19 that is estimated by the Centers for Disease Control and Prevention (CDC) to affect as many as 1 in 5 people who have survived an acute COVID-19 infection. Despite this staggering prevalence, and although the symptoms of Long COVID can be extremely severe and debilitating, a satisfactory approach to managing the care of people with Long COVID remains elusive. In this panel presentation,

we will discuss a pragmatic, logical and patient-centered framework for understanding Long COVID as an infection-associated chronic disease, and managing the care of people who are experiencing persistent symptoms after an acute COVID-19 infection.



### Outcomes of Amputations Following Electrical Burn Injuries

Eunyeop Kim, Karen Kowalske, MD, Kyra Solis, BS, Bingchun Wan, MS

Location: Pacific Ballroom A - 2nd Fl

This session will explore a study that analyzed amputation in electrical burn patients to assess its corresponding long-term physical and mental effects, in comparison with the general burn population. Retrospective reviews of burn patients from 1993 to 2021 were performed using the Burn Model System (BMS) National Database. The primary variables for analysis included Veterans RAND 12-Item Health Survey and Patient-Reported Outcomes Measurement Information System 29, collected at pre-burn, discharge, 6-month post-burn, 12-month post-burn, 24-month post-burn, and 5-year post-burn.



### The Road to Promotion/Career Development (Part 1)

Shanti Pinto, MD, Peter Yonclas, MD, Juliet Zakel, MD, Jonathan Kirschner, MD, Allison Schroeder, MD, Unoma Akamagwuna, MD, Michael Kryger, MD, Michael Fediw, MD, Michael Fediw, MD, Jonathan Kirschner, MD

Location: Laguna A/B - 4th Fl

From CV writing, to goal development and institution promotion tracks, we'll be diving into how you can look to the future of your psychiatry career. Join expert faculty as they discuss how to navigate your career. Part 1 will be divided into separate sessions for trainees and early/mid-career faculty.

**Trainees:** Come learn about developing your CV to help with fellowship and your first job. This session will include a brief didactic followed by small group breakouts with our expert faculty. Trainees will learn about developing your CV to help with fellowship and your first job. Early/ Mid Career psychiatrists will take away tips for promotion and career development.



### The Role of the Pelvic Floor in Neurorehabilitation: Assessing and Treating Pelvic Floor Dysfunction within the Context of Neurological Injury

Maryam Sultan, MD

Location: Malibu - 4th Fl

This session aims to bridge the gap between brain injury medicine and pelvic floor rehabilitation, describing the evaluation and treatment of pelvic floor pain and dysfunction that is related to sequelae of acute and chronic neurological injury.

## POSTER GALLERY RECEPTION

11:45AM – 1:15PM

Location: Pacific Ballroom D – 2nd Fl

## EDUCATIONAL SESSIONS 2

1:15PM – 2:15PM

### Blind Rehabilitation for Veterans in the VHA and the Evolving Approach for Individuals with Visual Impairment

Alice Hon, MD, Paul Koons, MS, Stephanie Rood, MS, Ashley Vaillancourt, PhD, Sarah Majidzadeh, MA, Morgan Sinnard, PhD

Location: Pacific Ballroom B – 2nd Fl



In this session endorsed by the VA AAP council, we present perspectives from the Blind Rehabilitation Department from the VA Long Beach Healthcare System. This session will be a combination of interactive case reports discussing the continuum of vision loss, medical and rehabilitation evaluation and treatment, including discussion of equipment and technology used for blind rehabilitation, and a hands on training on techniques to interact and work with individuals with visual impairment.

### CTE and TES: Controversies and Clinical Implications

Ross Zafonte, DO

Location: Pacific Ballroom A – 2nd Fl

The diagnosis of Chronic Traumatic Encephalopathy (CTE) is only possible at autopsy through identification of CTE neuropathologic changes recently redefined via National Institute of Neurological Disorders and Stroke (NINDS) criteria. The clinical diagnosis is not yet possible, however separate NINDS Traumatic Encephalopathy Syndrome (TES) criteria have established a guiding path of research criteria. This session will focus on established principles, and discuss case examples to evolve our understanding of the maladaptive phenotype that has been associated with these conditions.



### National Curriculum Initiative in Developmental Medicine: Community Engaged Scholarship in Action

Priya Chandan, MD, PhD, MPH, Emily Noonan, PhD, Amreeta Jammu, MS, Lauren Clarke, Rick Rader, MD, DHL, Matt Holder, MD, MBA, Jessica Prokup, MD

Location: Malibu – 4th Fl

The National Curriculum Initiative in Developmental Medicine (NCIDM) is a multi-year initiative of the American Academy of Developmental Medicine and Dentistry (AADMD). Institutions accepted as Medical School Partners (MSPs) received support to implement sustainable, community-engaged curriculum interventions on the care of people with intellectual/developmental disability (IDD). Inclusion of people with IDD in the development and delivery of content was central to all MSP projects, as incorporating the lived experiences of people with IDD are vital to developing quality interventions. The NCIDM project had three main objectives:

1. Demonstrate feasibility of a community-engaged approach to medical student education regarding patients with IDD;
2. Improve medical student attitudes regarding patients with IDD;
3. Improve medical student knowledge regarding patients with IDD.

The results of this initiative will be presented and discussed during this session.



### Social Media Utilization by PM&R Residency Applicants and Programs: An Opportunity to Meet Applicant Expectations

Christopher Lewis, MD, Alethea Appavu, DO, Monica Verduzco-Gutierrez, MD

Location: Manhattan – 4th Fl

The COVID-19 pandemic created an urgent need for residency programs to develop a virtualized interview and marketing platform. Social media was quickly adopted by PM&R residency programs. Residency applicants used the information posted by programs to decide which programs they wanted to apply, interview, and rank highly. Participants in this session will learn about the current state of PM&R social media and learn about which content topics applicants favor.





## Students Advocating for People with Disabilities: At Home and within the Community



**1:15PM - 2:45PM (Note special time)**

*Colette Piasecki-Masters, BS, Lydia Smeltz, Benjamin Jung, Nora Newcomb, Edward Pingnot, III, David Phrathep, Dianna Nguyen, Valerie Bresier, John Lasko, Wali Sabuhi*

**Faculty Advisors:** Margaret Turk, MD, Nethra Ankam, MD

**Location:** Laguna A/B - 4th FI

Medical students can be strong advocates for people with disability, which can include changes in medical education and facilities, and through involvement in public policy efforts. Students and mentors will share impactful strategies successfully used within institutions and local or national communities in this interactive presentation, discussion, and workshop session. Resources discussing advocacy principles with the goal of enacting change will be provided.



## The Road to Promotion/Career Development (Part 2)

*Shanti Pinto, MD, Peter Yonclas, MD, Michael Fediw, MD, Jonathan Kirschner, MD*



**Location:** Laguna A/B - 4th FI

Join expert faculty as they discuss how to navigate your career. Part 2 will be a panel discussion with our expert speakers to discuss their career trajectories and answer all your questions about navigating an academic career. Note: You do not need to attend Part 1 prior to this session.



## Updates in The Evaluation and Management of Fatigue in Post-Acute Sequelae of COVID

*Jonathan Whiteson, MD, Alba Azola, MD, Benjamin Abramoff, MD, Talya Fleming, MD*

**Location:** Monterey - 4th FI

Post-acute sequelae of SARS-CoV-2 infection manifests as a wide-ranging constellation of disabling symptoms including often disabling and pervasive fatigue. This session will review the pathophysiology, prevalence, evaluation and management and outcome tracking of fatigue in PASC and help guide Psychiatrists to optimize management of individuals with PASC in the community. Differences in management of PASC related fatigue compared to post-exertional malaise and chronic fatigue syndrome/myalgic encephalomyelitis will be highlighted.



## Unique Considerations in ITB Therapy

**1:15PM - 2:45PM (Note special time)**

*Natasha Romanoski, DO, Michael Kryger, MD*

**Location:** Carmel - 4th FI

Troubleshooting when it comes to Intrathecal Baclofen Therapy (ITB) therapy is often a learned experience in clinical practice. This session aims to help the clinician identify and manage unique considerations when it comes to ITB therapy.

## CONCURRENT PROGRAMS

These signature AAP programs will have ongoing workshops and sessions designed for this year's participants.

### PROGRAM FOR ACADEMIC LEADERSHIP (PAL)

Leadership training directed by William Bockenek, MD and John Chae, MD, ME. Visit [physiatry.org/PAL](http://physiatry.org/PAL) to learn more.

### REHABILITATION MEDICINE SCIENTIST TRAINING PROGRAM (RMSTP)

Research training directed by Michael Boninger, MD and John Whyte, MD, PhD. Visit [physiatry.org/RMSTP](http://physiatry.org/RMSTP) to get involved.

### PROGRAM COORDINATOR SESSIONS

**Wednesday, February 22 & Thursday, February, 23, 2023**

**8:00AM - 5:00PM**

As always, our Program Coordinators Council has created a schedule filled with hot topics to help Coordinators navigate this new era of residency management. These sessions will feature coordinator levels from beginner to advanced. We will have breakout sessions and networking opportunities throughout the multiple session days.

### ADMINISTRATIVE DIRECTORS COUNCIL SESSIONS

**Wednesday, February 22, 2023**

**8:00AM - 5:00PM**

Wednesday will be dedicated to Administrative Directors for presentations, information sharing and the business meeting.



The University of Missouri welcomes physiatrist W. David Arnold, MD,  
as the Executive Director of the NextGen Precision Health initiative.

# Congratulations, Dr. Arnold!



## CLINICAL CARE HIGHLIGHTS

Certified Level I Comprehensive Stroke Center and  
Certified Level I Trauma Center at MU Health Care

Disease Specific Care Certification of Rehabilitation Programs  
for Stroke, Spinal Cord Injury, Brain Injury, Amputation  
and Hip Fracture at Rusk Rehabilitation Hospital

ACGME Accredited PM&R Residency Training Program  
at MU School of Medicine



University of Missouri

[precisionhealth.missouri.edu](https://precisionhealth.missouri.edu)



**MetroHealth** | Rehabilitation Institute



## Ranked #1 in Ohio

At the MetroHealth Rehabilitation Institute, we're restoring function for those with severe impairments and disabilities. Using a transdisciplinary approach that provides outstanding rehabilitation care—we're not only pioneering advances in the field—we're helping patients find hope. *US News and World Report* ranks the MetroHealth Rehabilitation Institute #1 in Ohio and #24 in the nation for patient care of complex conditions such as stroke, traumatic brain injury and spinal cord injury.

[www.metrohealth.org/rehabilitation](http://www.metrohealth.org/rehabilitation)





# NEW UAB SPAIN INPATIENT REHABILITATION CENTER

*U.S. News and World Report “Top 20 Best Rehabilitation Hospitals”*

Expected to open in 2025, the new UAB Spain Inpatient Rehabilitation Center will be a state-of-the-art 11 story facility with a rooftop courtyard, rehabilitation gym on each floor, outdoor terrain park, office meeting space, and parking for more than 200 vehicles.



**PHYSICAL MEDICINE & REHABILITATION**

**UAB MEDICINE.**

The University of Alabama at Birmingham



# Scientific Paper Presentations

**Wednesday, February 22, 2023**

## **Best Paper Presentation**

**11:15AM - 12:15PM**

**Location: Monterey - 4th FI**

**Session Moderator:** *Shanti Pinto, MD*

**Impact of Interdisciplinary Pediatric Pain Management Program on Functioning in Both Child and Parent: a Retrospective Study of 465 Children with Chronic Pain**  
*Cara Vernacchia, DO*

**Measuring the Efficacy of Percutaneous Cryoneurolysis in the Management of Patients with Plateaued or Refractory Shoulder Spasticity**  
*Paul Winston, MD*

**Value-Added Medical Educator Education: Engaging Future Medical Educators to Transform Cultural Humility Training in Medical and Resident Education Today**  
*Lon Yin Chan, BA*

## **Sports Medicine**

**2:00PM - 3:00PM**

**Location: Monterey - 4th FI**

**Session Moderator:** *Jennifer Paul, MD*

**A Cartilage Stress Test to Assess Risk of Early Knee Osteoarthritis Development in Anterior Cruciate Ligament Reconstructed Individuals**  
*Alexander Neuville, MS*

**Association Between Patellar Tendinopathy and Land-Jump Biomechanics in Male Collegiate Basketball Players During the Preseason**  
*Kindred Harris, MD*

**Midportion Achilles Tendinopathy Rehabilitation Determinants when Treated with Alfredson's Eccentric Strengthening Protocol**  
*Alexandre Lavigne, MD*

## **Administrative/Leadership/Education and Other/General Medicine**

**3:30PM - 5:00PM**

**Location: Monterey - 4th FI**

**Session Moderator:** *Kelly Heath, MD*

**Educational Scholarship: "Concussion" Curriculum in Enriching Resident Competency**  
*Alice Kam, MD*

**Easy Implementation of a Sports Sideline Coverage Workshop for Trainees**  
*Humaira Ashraf, MD*

**What Matters Most to Hospitalized Older Adults: Development of a Structured Tool**  
*Christy Kang, BS*

**Predicting Medical Prognosis in Glioma Patients Undergoing Inpatient Rehabilitation Using Bed Mobility Function**  
*Tomasz Gruchala, BS*

**The Inpatient Rehabilitation Facility Patient Assessment Instrument and the Functional Recovery of Patients with Cancer Diagnoses**  
*Christopher Lewis, MD*

**Intermittent Hypoxia Improves Energy Metabolism and Protects Cardiac Function in Rats with Myocardial Infarction by Regulating Fatty Acid Metabolism through AMPK Pathway**  
*Chunxiao Wan, MD*

**Thursday, February 23, 2023**

## **Musculoskeletal and Ultrasound**

**8:00AM - 9:00AM**

**Location: Monterey - 4th FI**

**Session Moderator:** *Kim Barker, MD*

**The Acute Impact of Walking Versus Cycling Exercise on Serum Biomarker Profile, Joint Pain and Relationship to Function in Individuals with Knee Osteoarthritis**  
*Juliana Couri, BS*

**Postoperative Rehabilitation to Improve Outcomes after Cervical Spine Fusion for Degenerative Cervical Spondylosis: A Systematic Review**  
*Jeremiah Ling, BS*

**Quantitative Ultrasound of the First Dorsal Interosseous Muscle: A Novel Mathematical Model for Deriving Muscle Thickness**  
*Christian Francis, BS*

## **Spinal Cord Injury**

**11:15AM - 12:15PM**

**Location: Monterey - 4th FI**

**Antibiotic Prophylaxis with Urodynamic Studies in Spinal Cord Injury: Assessing Practice Patterns and Outcomes to Guide Future Practice in a Single Center**  
*Du Pham, MD*



Predicting Subacute Motor Recovery in Tetraplegia by Early Assessment of Subclinical Voluntary Motor Unit Action Potentials and Stimulated Manual Motor Testing

*David Balser, MD*

Accuracy and Precision of Actigraphy and SMARTwheels for Measuring Push Counts Across a Series of Wheelchair Propulsion Trials in Non-disabled Young Adults

*Hunter Soleymani, BS*

miRNAs Associated with Abdominal Adiposity in Adults with SCI: Findings from a Genome-Wide microRNA Expression Profiling Screen

*Alyssa Bren, BS*

### **Pain and Spasticity**

**2:00PM – 3:00PM**

**Location: Monterey – 4th Fl**

**Session Moderator: Juliet Zakel, MD**

BDNF and Chronic Pain: Updates on New and Potential Therapeutic Armamentarium

*Bilal Shanti, MD*

Efficacy of Platelet-Rich Plasma for Sacroiliac Joint Dysfunction: A systematic Review

*Nicholas Averell*

A Comparison between Platelet-Rich Plasma and Corticosteroid Injections in the Long-Term Treatment of Plantar Fasciitis

*Gillian Mathews, BS*

Incidence of Spasticity Medications Adverse Effects from the Federal Adverse Events Reporting System Database

*Justin Tram, BA*

### **Rehabilitation Research Experience for Medical Students (RREMS)**

**3:30PM – 5:00PM**

**Location: Monterey – 4th Fl**

Increased Physical and Psychosocial Health Risk is Associated with Extreme Body Mass Index in Persons with Spinal Cord Injury

*Alvin Wang*

A Validation Study of Active and Passive Proprioception Testing Measures and Baseline Outcomes in an Able-bodied Cohort

*Sreten Franovic, MS, BS*

Investigating Albuterol as a Prototypical Rehabilitation Adjuvant

*Reed McCardell, PhD*

Heterogeneity of Physiological Responses to Treadmill Exercise in Wildtype C57BL/6 Mice and the 5XFAD Alzheimer's Disease Mouse Model

*Kristen Kent*

Clinical Gait Analysis Using Video-Based Pose Estimation: Establishing Best Practices

*Kristen John, BS*

The Relationship Between Biology, Biomechanics, and Patient Reported Outcomes of Injections for Knee Osteoarthritis

*Margaret Atkinson*

**Friday, February 24, 2023**

### **Rehabilitation Research Experience for Medical Students (RREMS)**

**10:45AM – 12:15PM**

**Location: Monterey – 4th Fl**

Validating a Computer-Assisted Trail Making Test in Rehabilitation Inpatients with Manual Disability

*Andrea Zhang, BA*

Electrical Impedance Myography as a Biomarker in Adults with Spinal Muscular Atrophy

*Samuel Paul, BA*

Using Decomposition Electromyography to Identify Altered Motor Unit Characteristics in Adults with Spinal Muscular Atrophy

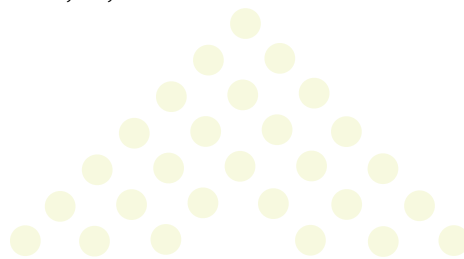
*Jordan Mizell, MPH*

A Preliminary Investigation of the Role of DNA Methylation in the Characterization of Pain Scores in Patients with Chronic Lower Back Pain

*Roosha Mandal*

Novel Gaming Approach for Promoting Use of the Paretic Leg during Gait after Stroke

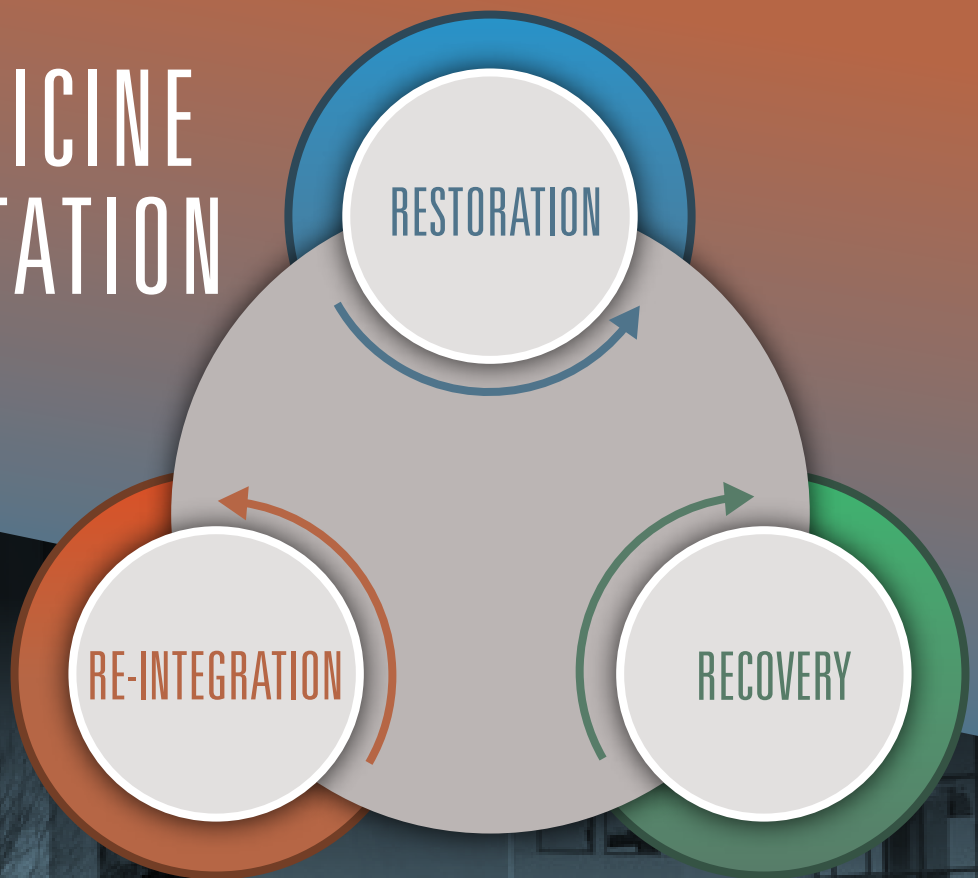
*Tanvee Sinha, BS, BA*



# PHYSICAL MEDICINE AND REHABILITATION

  
**UTHealth Houston**  
McGovern Medical School

Physical Medicine  
and Rehabilitation



**MED.UTH.EDU/PMR**



# Poster Gallery Receptions

Wednesday and Thursday: 5:00PM - 6:30PM

Friday: 11:45AM - 1:15PM

Location: Pacific Ballroom D - 2nd Fl

We are showcasing top-notch poster presentations at Physiatry '23. Over 950 case reports and research studies will be at Physiatry '23. AAP will be offering refreshments at each reception to help you unwind and have lively conversations with PM&R residents and leading researchers. Here's a list of different topics of interest:

## SPONSORED BY:



- Administrative / Leadership / Education
- Electrodiagnostic / Neuromuscular Medicine
- Multiple Sclerosis and other Neurological Conditions
- Musculoskeletal
- Other / General Medicine
- Pain
- Pediatrics
- Spasticity / Movement Disorders
- SCI
- Sports Medicine
- Stroke
- TBI
- Ultrasound
- COVID-19



# Johns Hopkins Rehabilitation Network

## INNOVATIVE SERVICES & PROGRAMS

### The Noninvasive Brain Stimulation (NIBS) Program

As one of the few programs of its kind in the country, recognized neurologic rehabilitation experts provide a variety of brain stimulation techniques paired with evidence-based rehabilitation for neurological conditions.



### Brain Injury and Stroke Program

Created through support from the United Arab Emirates, the Sheikh Khalifa Stroke Institute, is composed of two centers: one devoted to stroke detection and diagnosis and the other to treatment, recovery and rehabilitation.

### The Postural Orthostatic Tachycardia Syndrome (POTS) Program

We are pushing the frontiers of clinical knowledge and treatment for POTS with the aim of uncovering its root causes. We bring together specialists to provide well-rounded care for POTS patients.



### Brain-Computer Interface Study

Through a grant by the Defense Advanced Research Projects Agency (DARPA), we are conducting a multi-disciplinary clinical trial focused on recording and stimulating the brain of a person with tetraplegia.

### Comprehensive Amputee and Osseointegration Clinic

Our multi-disciplinary team specializes in helping people with upper and lower limb amputations, including those undergoing targeted muscle reinnervation to operate a motorized prosthetic. We also are one of the few programs that offers osseointegration.



To learn more about the Johns Hopkins Rehabilitation Network, please visit [hopkinsmedicine.org/PMR](https://hopkinsmedicine.org/PMR)



JOHNS HOPKINS  
MEDICINE

# Networking Events



In addition to your committee and council meetings, take advantage of these networking opportunities we've created for you at Psychiatry '23

## Residency & Fellowship Program Directors (RFPD) Cocktail Hour & Reception

Monday, February 20, 2023

6:30PM - 8:00PM

Location: Sunset Deck - 5th Fl

Supported by:



THERAPEUTICS

## Fellowship & Job Fair

Tuesday, February 21, 2023

5:30PM - 7:00PM

Location: Pacific Ballroom C - 2nd Fl

## Chair Council Networking Reception

Tuesday, February 21, 2023

8:30PM - 10:00PM

Location: Lanai Deck - 5th Fl

Supported by:

**Rusk  
Rehabilitation**  
at NYU Langone

## Poster Gallery Reception

Wednesday, February 22, 2023

5:00PM - 6:30PM

Location: Pacific Ballroom D - 2nd Fl

Supported by:



## President's Welcome Reception and Kick-Off Party

Wednesday, February 22, 2023

6:30PM - 8:00PM

Location: Exhibit Hall, California Ballroom ABCD - 2nd Fl

Supported by:



## Complimentary Lunch in the Expo Hall

Thursday, February 23, 2023

12:15PM - 2:00PM

Location: California Ballroom ABCD - 2nd Fl

## Early Career Council (ECC) Speed Networking Event

Thursday, February 23, 2023

5:00PM - 6:00PM

Location: San Simeon - 4th Fl

## Poster Gallery Reception

Thursday, February 23, 2023

5:00PM - 6:30PM

Location: Pacific Ballroom D - 2nd Fl

## MSC Quiz Bowl (medical students only)

Thursday, February 23, 2023

6:30PM - 8:00PM

Location: Pacific Ballroom C - 2nd Fl

## Resident & Fellow Networking Night (RSVP required)

Thursday, February 23, 2023

7:30PM - 9:00PM

Location: House of Blues

Supported by:



## General Business Meeting/Member Caucus

Friday, February 24, 2023

8:30AM - 9:15AM

Location: Pacific Ballroom C - 2nd Fl

Come meet and chat with your board members, including our new AAP President, Karen Kowalske, MD!

## Poster Gallery Reception

Friday, February 24, 2023

11:45AM - 1:15PM

Location: Pacific Ballroom D - 2nd Fl

## Committee & Business Meetings

Is your council not listed? Reach out to your council leadership for your meeting date and time!

### RFPD Council Meeting

Tuesday, February 21, 2023

4:00PM - 4:30PM

Location: Pacific Ballroom B - 2nd Fl

### Chair Council Business Meeting

Tuesday, February 21, 2023

8:00PM - 8:30PM

Location: Avalon AB - 1st Fl

### Program Committee Meeting

Wednesday, February 22, 2023

2:00PM - 3:00PM

Location: Sunset - 4th Fl

### Research Committee Meeting

Wednesday, February 22, 2023

3:30PM - 4:30PM

Location: Sunset - 4th Fl

### Medical Student Educators Council

Wednesday, February 22, 2023

5:00PM - 6:00PM

Location: Malibu - 4th Fl

### Foundation Board of Directors Meeting

Thursday, February 23, 2023

9:00AM - 12:00PM

Location: Sunset - 4th Fl

### Resident/Fellow Council Meeting

Thursday, February 23, 2023

12:00PM - 1:00PM

Location: La Jolla - 4th Fl

### Medical Student Council Meeting

Thursday, February 23, 2023

4:30PM - 5:30PM

Location: Sunset - 4th Fl

### Member Caucus/General Business Meeting

Friday, February 24, 2023

8:30AM - 9:15AM

Location: Pacific Ballroom C - 2nd Fl





# From research to rehabilitation.

At UT Southwestern's Department of Physical Medicine and Rehabilitation, our mission is to optimize quality of life and function for our patients through excellence and innovation in patient care, research, and education. Our physiatrists treat a wide variety of medical conditions affecting the brain, spinal cord, nerves, bones, joints, ligaments, muscles, and tendons. We focus on nonsurgical diagnosis and management to improve our patients' mobility and lessen difficulties in cognition and communication. Learn about our current job openings using the QR code below.



**UT Southwestern**  
O'Donnell Brain Institute

# Happening in the Expo Hall

California Ballroom – 2nd Floor

Visit the Physiatry '23 state-of-the-art Exhibit Hall, with leading companies featuring the latest technology, services and products in physiatry and rehabilitation. We're also hosting fun activities in the Exhibit Hall that you won't want to miss!

## SELFIE STATION!

Visit the Expo Hall anytime on Wednesday, February 22, 2023 to snap a selfie to keep or share on social media! Don't forget to use our hashtag #Physiatry23!

## GENERAL EXHIBIT HOURS

Stop by the California Ballroom for select refreshment breaks and opportunities to meet our fantastic exhibitors

**Wednesday, February 22, 2023 – 10:00AM – 8:00PM**

**Refreshment Break/Exhibitor Meet and Greet**  
10:30AM – 11:15AM

**Refreshment Break/Exhibitor Meet and Greet**  
3:00PM – 3:30PM

**President's Reception and Kick-Off Party**  
6:30PM – 8:00PM

*All are welcome to join us for 'A Night in Hollywood!'  
Help us kick-off Physiatry '23 with drinks,  
hors d'oeuvres, and even a few surprises!*

SPONSORED BY: **UPMC**  
LIFE CHANGING MEDICINE

**Thursday, February 23, 2023 – 10:00AM – 4:00PM**

**Refreshment Break/Exhibitor Meet and Greet**  
10:30AM – 11:15AM

**Complimentary Lunch Provided**  
12:00PM – 1:30PM

**Refreshment Break/Exhibitor Meet and Greet**  
2:30PM – 3:00PM

**Friday, February 24, 2023 – 9:00AM – 11:00AM**

**Refreshment Break/Exhibitor Meet and Greet**  
10:00AM – 10:45AM


## CADAVER LABS

Get hands-on injection practice with expert faculty who will review anatomy of upper and lower cadaver limbs, and educate on proper injection techniques.

There is no fee to attend, registration is not required, and seating is available on a first-come, first-serve basis. Lunch & refreshments will be available for participants!

**Thursday, February 23, 2023 – 12:30PM**

**Friday, February 24, 2023 – 10:00AM**

SPONSORED BY:  **IPSEN**  
Innovation for patient care

## DEMONSTRATION PODS

Join the following companies for small group presentations and hands-on demonstrations. Coffee and light refreshments will be served. There is no fee to attend, registration is not required, and seating is available on a first-come, first-serve basis.

**Wednesday, February 22, 2023**

10:30AM – 11:00AM

**Hands-on ITB Pump Refill Training**

SPONSORED BY:  **Piramal**

3:00PM – 3:30PM

**Experience an exciting new virtual reality (VR) tool for spasticity**

SPONSORED BY:  **abbvie**

**Thursday, February 23, 2023**

10:30AM – 11:00AM

**Adult Spasticity and Cervical Dystonia**

SPONSORED BY:  **abbvie**

3:00PM – 3:30PM

**Chronic Migraine**

SPONSORED BY:  **abbvie**

**Friday, February 24, 2023**

10:00AM – 10:30AM

**Experience an exciting new virtual reality (VR) tool for spasticity**

SPONSORED BY:  **abbvie**

# Awards & Recognitions

We are excited to share with you the winners of the 2023 AAP Awards! These individuals have made significant contributions to the specialty of psychiatry, the AAP and the rehabilitation community at large.

THANK YOU TO THE FOLLOWING  
INDIVIDUALS FOR THEIR  
SERVICE ON THE AAP'S BOARD  
OF TRUSTEES!

Gwen Sowa, MD, PhD - Exiting President

Karen Kowalske, MD - President Elect

Adam B. Stein, MD - Past President

Christopher Visco, MD - Treasurer

Pablo Celnik, MD

Michael Lee, MD

Richard Wilson, MD

Sara Cuccurullo, MD

Michael Fredericson, MD

David Morgenroth, MD

Michael Mallow, MD

Monica Verduzco-Gutierrez, MD

Felicia Skelton, MD

Sabrina Paganoni, MD, PhD

Walter R. Frontera, MD, PhD

Zainab Shirazi, MD

Danielle Perret Karimi, MD

Natasha Romanoski, DO

Prakash Jayabalan, MD, PhD





Join us as we honor the following award recipients at the **Physiatry '23 Awards Ceremony**,  
**Friday, February 24, 2023 beginning at 8:00AM in Pacific Ballroom C - 2nd Fl**

## 2023 AAP AWARD WINNERS

### DISTINGUISHED ACADEMICIAN

Flora Hammond, MD, *Indiana University*

### EARLY CAREER ACADEMICIAN

Miguel X. Escalon, MD; *Icahn School of Medicine at Mount Sinai*

Andréane Richard-Denis, MD, MSc, *University of Montreal*

### MCLEAN OUTSTANDING RESIDENT/FELLOW AWARD

Anne Kuwabara, MD, *Stanford University*

Alexandra Fogarty, MD, MS; *Washington University in St. Louis*

### AAP OUTSTANDING SERVICE AWARD

Michael Mallow, MD, *Sidney Kimmel Medical College at Thomas Jefferson University*

Mooyeon Oh-Park, MD, MSc, *Burke Rehabilitation Hospital*

### CAROLYN BRADDOM RITZLER RESEARCH AWARD

Nitin Jain, MD, MSPH, *UT Southwestern Medical Center*

### OUTSTANDING STUDENT INTEREST GROUP AWARD

McGovern Medical School at *UTHealth Houston*

### AAP DISTINGUISHED MEMBER AWARD

John Whyte, MD, PhD, *Moss Rehabilitation Research Institute*

## AMERICAN JOURNAL OF PHYSICAL MEDICINE & REHABILITATION (AJPM&R) AWARDS

### EXCELLENCE IN RESEARCH WRITING AWARD

Yi Liu, MM; Gang Xu, MD, Jiang Geng, MD

*"Efficacy of Transcutaneous Electrical Nerve Stimulation in the Management of Neurogenic Overactive Bladder: A Randomized Controlled Trial"*

### EXCELLENCE IN RESEARCH WRITING HONORABLE MENTION

Khader Almhdawi, PhD

*"Influencing Medical Students' Knowledge and Attitudes Related to Disability: A Randomized Controlled Trial"*

### WILLIAM RUSH DUNTON, JR, MD AWARD (TOP REVIEWER)

David Lipson, MD, FRCPC; *Providence Healthcare*

## BEST PAPER AWARDS

### FACULTY

Paul Winston, MD

*University of British Columbia*

*Measuring the Efficacy of Percutaneous Cryoneurolysis in the Management of Patients With Plateaued or Refractory Shoulder Spasticity*

### RESIDENT

Cara Vernacchia, DO

*Shirley Ryan AbilityLab*

*Impact of interdisciplinary pediatric pain management program on functioning in both child and parent: a retrospective study of 465 children with chronic pain*

### MEDICAL STUDENT

Lon Yin Chan, BA

*SUNY Downstate*

*Value-Added Medical Educator Education: Engaging Future Medical Educators to Transform Cultural Humility Training in Medical and Resident Education Today*

## 2023 AAP PROGRAM FOR ACADEMIC LEADERSHIP (PAL) GRADUATES

Ashlee Bolger, MD, MEd; *Cincinnati Children's Hospital*

Laura Huang, MD; *University of Miami*

Ashlee Jaffe, MD, MEd; *The Children's Hospital of Philadelphia*

Prakash Jayabalan, MD, PhD; *Shirley Ryan AbilityLab/ Northwestern University*

Cherry Junn, MD; *University of Washington*

Terrence Pugh, MD; *Atrium Health - Carolinas Rehabilitation*

McCasey Smith, MD, MS; *University of Kansas*

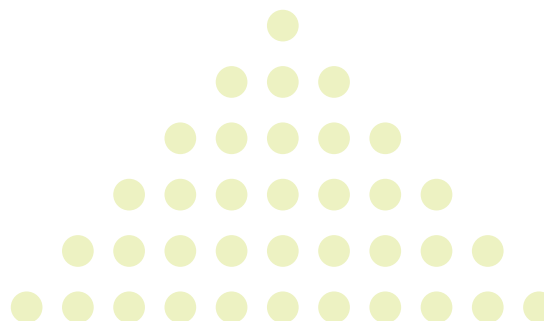
Jennifer Soo Hoo, MD; *Weill Cornell Medical College/NYP*

Erika Trovato, DO; *Burke Rehabilitation Hospital*

Victoria Whitehair, MD; *MetroHealth Rehabilitation Institute*

Kristin Wong, MD; *University of Texas at Austin, Dell Medical School*

Aaron Yang, MD; *Vanderbilt University Medical Center*





# Other Opportunities to Connect & Collaborate

## Special Pre-Con Activities

Attending our pre-conference workshops on Tuesday or here for the meeting a day early? Pop-in to tour the mobile cadaver labs and enjoy complimentary lunch. Thank you to our sponsors.

### Resident/ Fellow Lunch & Learn

Avalon AB (1st Floor)

Tuesday, February 21, 2023

12:00PM - 1:00PM

Enjoy a complimentary lunch and educational program presented by Nick Ketchum, MD brought to you by Medtronic.



### RFPD Luncheon

Pacific Ballroom

Tuesday, February 21, 2023

12:00PM - 1:00PM

Residency & Fellowship Program Directors are invited to enjoy a break from workshop sessions for a quick presentation followed by lunch and networking with peers across the country.



### Mobile Cadaver Labs

Tuesday, February 21, 2023

10:00AM - 3:00PM

Visit our mobile lab for an exclusive meet & greet with anatomy experts Sherry Downie, PhD, David Porta, PhD and Shaina Reid, PhD. While you're there, experts will provide an interactive, cadaver-based functional anatomy review for Spasticity and Cervical Dystonia management!



Walk-ins are welcome or stop by the registration desk to secure your preferred entrance time for this unique opportunity:

10:30AM - 11:00AM

11:15AM - 11:45AM

12:00PM - 12:30PM

1:30PM - 2:00PM

2:15PM - 2:45PM

3:00PM - 3:30PM

## Hot Breakfast Symposiums

Grab complimentary breakfast and enjoy a 60-minute CME presentation. There is no fee to attend, registration is not required, and seating is available on a first-come, first-serve basis.

These activities are Excel CME-accredited opportunities for specialists who treat both pediatric and adult patients, as well as those HCPs who are part of the multidisciplinary treatment team, to be better informed of individualized management strategies including therapeutic techniques and tools that can be implemented into practice when faced with complications associated with the disorder, while adhering to consensus recommendations with a goal of improving patient quality of life.

Location: Huntington (4th Floor)

Thursday, February 23, 2023

7:00AM - 8:00AM

**ALS: Advancing Disease Awareness and Intervention for Improved Outcomes**

*Presented by Gregory Carter, MD, MS and Richard Lewis, MD, MS*

*Supported through educational grants from Apellis Pharmaceuticals and Mitsubishi Tanabe Pharma, N.A.*

Friday, February 24, 2023

7:00AM - 8:00AM

**Optimizing Outcomes for Cervical Dystonia**

*Presented by Christopher Meadows, MD*

*Supported through educational grants from Merz and Ipsen.*

## Lunch & Learn Symposiums

Grab complimentary breakfast or lunch, hosted by the following companies, and enjoy a 60-minute presentation exploring hot topics in PM&R. There is no fee to attend, registration is not required, and seating is available on a first-come, first-serve basis.

Wednesday, February 22, 2023

12:30PM - 1:30PM

Location: Pacific C



THERAPEUTICS

**Leveraging Ultrasound to Plan IncobotulinumtoxinA Injection Approaches for Upper Limb Spasticity**

*Presented by Dr. Michael Munin, MD and Kimberly Heckert, MD*

Thursday, February 23, 2023

12:30PM - 1:30PM

Location: Expo Hall (back left)



Join our lunchtime Cadaver Lab in the Expo Hall followed by complimentary lunch. Also, join us for Friday's Cadaver Lab at 10:00AM.



## Sponsored Events

Thank you to the following sponsors. These events are invitation-only.

### Residency & Fellowship Program Directors (RFPD) Networking Hour

Monday, February 20, 2023

6:30PM - 8:00PM

*Location: Sunset Deck - Hilton Anaheim*

The evening prior to the RFPD Workshop, all program directors are invited to network with colleagues across the country while enjoying cocktails and hors d'oeuvres.



### Chair Council Networking Night

Tuesday, February 21, 2023

8:30PM - 9:30PM

*Location: Malibu (4th Floor)*

Following the Chair Council special session and business meeting, department chairs are invited to enjoy drinks, hors d'oeuvres, and great company!



### Emerging Leaders in Spasticity Informational Session

Wednesday, February 22, 2023

10:30AM - 11:15AM

*Location: Salinas (4th Floor)*

Calling all PGY3 and PGY4 Residents! Are you interested in learning more about the future of Spasticity? Stop by for a complimentary coffee break to learn all about AbbVie's exclusive Emerging Leaders in Spasticity program and how you can participate.



### Administrative Directors Networking Luncheon

Wednesday, February 22, 2023

12:15PM - 1:15PM

*Location: Manhattan (4th Floor)*

Administrative & Finance Directors are invited to join Merz for a networking lunch.



### Resident/ Fellow Networking Night

Thursday, February 23, 2023

7:30PM - 9:00PM

*Location: House of Blues Anaheim*

400 Disney Way #337

All residents and fellows are invited to enjoy snacks and drinks.



### Program Coordinators Happy Hour

Thursday, February 23, 2023

5:00PM - 6:00PM

*Location: Sunset Deck - Hilton Anaheim*

Program Coordinators are invited to join Ipsen for complimentary happy hour drinks.



### Program for Academic Leadership (PAL) Past President Breakfast

Thursday, February 23, 2023

7:30AM - 9:00AM

Future academic leaders are invited to meet & greet with past presidents of the AAP & AAPM&R.



### RREMS & MSSCE Coffee Break

Friday, February 24, 2023

10:00AM

*Location: Monterey (4th Floor)*

Participants of our clinical and research medical student externships are invited to come together to network and share experiences over a complimentary coffee break.



# Exhibitor Guide



## **AANEM**

*Rochester, Minnesota*

### **Booth 508**

The American Association of Neuromuscular & Electrodiagnostic Medicine (AANEM) is a nonprofit membership association dedicated to the advancement of neuromuscular (NM), musculoskeletal, and electrodiagnostic (EDX) medicine. Our members—primarily neurologists and physical medicine and rehabilitation (PMR) physicians—are joined by allied health professionals and PhD researchers working to improve the quality of medical care provided to patients with muscle and nerve disorders.

## **AbbVie**

*Irvine, California*

### **Booth 202**

AbbVie's mission is to discover and deliver innovative medicines that solve serious health issues today and address the medical challenges of tomorrow. We strive to have a remarkable impact on people's lives across several key therapeutic areas. For more information about AbbVie, please visit us at [www.abbvie.com](http://www.abbvie.com). Follow @abbvie on Twitter, Facebook, Instagram, YouTube and LinkedIn.

## **AbbVie Medical Affairs**

*Irvine, California*

### **Booth 512**

AbbVie's mission is to discover and deliver innovative medicines that solve serious health issues today and address the medical challenges of tomorrow. We strive to have a remarkable impact on people's lives across several key therapeutic areas. For more information about AbbVie, please visit us at [www.abbvie.com](http://www.abbvie.com). Follow @abbvie on Twitter, Facebook, Instagram, YouTube and LinkedIn.

## **Academy of Spinal Cord Injury Professionals**

*Springfield, Illinois*

### **Booth 603**

The Academy of Spinal Cord Injury Professionals (ASCIP) is an interdisciplinary organization dedicated to advancing the care of people with spinal cord injury/disorder (SCI/D).

## **American Academy of Physical Medicine & Rehabilitation**

*Rosemont, Illinois*

### **Booth 712**

The American Academy of Physical Medicine and Rehabilitation (AAPM&R) is the national medical specialty organization representing more than 9,000 physicians who are specialists in physical medicine and rehabilitation (PM&R). AAPM&R is the only organization exclusively serving the needs of practicing PM&R physicians by advancing the specialty of PM&R, promoting excellence in physiatric practice, and advocating on

public policy issues related to persons with disabling conditions. AAPM&R's scientific peer-reviewed journal is PM&R.

## **American Board of Physical Medicine and Rehabilitation**

*Rochester, Minnesota*

### **Booth 706**

The American Board of Physical Medicine and Rehabilitation (ABPMR), is one of 24 certification boards recognized by the American Board of Medical Specialties. The ABPMR establishes requirements for certification and maintenance of certification, creates its examinations, strives to improve training, and contributes to setting the standards for PM&R residency.

## **Amneal Pharmaceuticals**

*Bridgewater, New Jersey*

### **Booth 602**

Amneal Pharmaceuticals, Inc. is an integrated specialty pharmaceutical company powered by a robust U.S. generics business and a growing branded business as well as deepening portfolios in institutional injectables, biosimilars and select international markets.

## **Arkansas Children's Hospital**

*Little Rock, Arkansas*

### **Booth 714**

Arkansas Children's is the only healthcare system in the state solely dedicated to caring for Arkansas' more than 700,000 children. The private, non-profit organization includes two pediatric hospitals, a pediatric research institute and USDA nutrition center, a philanthropic foundation, a nursery alliance, statewide clinics, and many education and outreach programs — all focused on fulfilling a promise to define and deliver unprecedented child health.

## **Association of Academic Physiatrists**

*Owings Mills, Maryland*

### **Booth 702**

Stop by the AAP Booth to learn more about how we are working to empower academic physiatrists to advance the science of physical medicine and rehabilitation, educate leaders of the future, and champion to transform healthcare.

Don't miss our Research Mentor Pop Ups to chat with our committee about all-things research on Wednesday, February 22 10:30am – 11:15am and Thursday, February 23 3:00pm – 3:30pm.

## **Atrium Health Carolinas Rehabilitation**

*Charlotte, North Carolina*

### **Booth 502**

Carolinas Rehabilitation is one of the largest rehabilitation providers in the nation with a 192-bed, CARF-accredited acute rehabilitation facility that provides inpatient care at 4 locations as well as Atrium Health Levine Children's Hospital.

## **Baylor Institute for Rehabilitation Dallas**

*Dallas, Texas*

### **Booth 608**

Our flagship hospital, Baylor Scott & White Institute for Rehabilitation – Dallas, is recognized as one of the best rehabilitation hospitals in the nation by U.S. News & World Report. At 92 beds, this is our largest inpatient facility and is located on the campus of Baylor University Medical Center. Known for its consistent, high-quality patient care, exceptional patient outcomes and research that is making a positive difference in the lives of patients, Baylor Scott & White Rehab – Dallas is a trusted leader in rehabilitation care.

## **Cadwell Industries, Inc**

*Kennewick, Washington*

### **Booth 407**

Cadwell has the only EMG with fully integrated Ultrasound for your Electrodiagnostic and Neuromuscular Ultrasound needs. No need to change machines or software. Complete an EDX study with the handheld StimTroller, keep patient files accessible with CadLink™ data management and finish the test quickly with our renowned report generator.

## **Canadian Association of Physical Medicine & Rehabilitation**

*Kingston, Ontario*

### **Booth 606**

CAPM&R is a member service organization that represents Canadian physiatrists and promotes their pursuit of excellence in the field of physical medicine and rehabilitation. As of 2020, the American Journal of Physical Medicine & Rehabilitation (AJPM&R) is the CAPM&R's official medical journal. With this Journal partnership, CAPM&R members also enjoy the benefits of membership with the Association of Academic Physiatrists (AAP).

## **Claimocity**

*Las Vegas, Nevada*

### **Booth 109**

The first and only full platform for Hospitalists and Physiatrists on the go from a fully integrated smart census that pulls from your rounding facilities, to an AI-enhanced charge capture, to a revolutionary progress note generator that allows you to chart on the go in a fraction of the time, to end-to-end full service coding and billing.

## **Cleveland Clinic**

*Beachwood, Ohio*

### **Booth 306**

A partnership between Cleveland Clinic and Select Medical, Cleveland Clinic Rehabilitation Hospital provides medical rehabilitation services at three Ohio locations; Akron, Avon and Beachwood. Led by a physiatrist, our team includes rehabilitation nurses; physical, occupational and speech-language therapists; dietitians; case managers and other clinical and support



## Visit these exhibitors in the Exhibit Hall located in the California Ballroom on the second floor of the Hilton Anaheim.

staff. Together we leverage best practices to help patients recover the strength, skills and functional ability to return home and rebuild their lives.

### **CNS Vital Signs**

*Morrisville, North Carolina*

#### **Booth 705**

Since 2005, CNS Vital Signs has been a world leader in providing clinicians in-office and out-of-office/Telemedicine computerized-neuropsychological testing solutions. To learn how our reimbursable tools and technology platform can help you evaluate, manage and track neurocognitive status, visit our exhibit or website at [www.cnsvs.com](http://www.cnsvs.com).

### **Craig H. Neilsen Rehabilitation Hospital and the University of Utah Department of PM&R**

*Salt Lake City, Utah*

#### **Booth 607**

At the Craig H. Neilsen Rehabilitation Hospital, our focus will be to preserve, enhance, and restore the quality of life for people with disabling conditions. Our hospital's dedicated teams are composed of regionally and nationally respected specialists dedicated to supporting patients and families from acute rehabilitation through wellness and independence. We continue to provide specialized rehabilitation care throughout your entire journey whether you're in inpatient or outpatient therapy

### **Encompass Health**

*Birmingham, Alabama*

#### **Booth 414**

Encompass Health is the nation's largest provider of inpatient rehabilitation with more than 150 hospitals in 36 states and Puerto Rico. Our No. 1 priority is getting your patients back to what matters most to them through individualized therapy and a hospital level of care.

### **Foundation for Physical Medicine and Rehabilitation**

*Rosemont, Illinois*

#### **Booth 511**

The Foundation for PM&R is committed to restoring health, improving function, minimizing pain and enhancing quality of life for individuals with disabilities through research and education in the field of physical medicine and rehabilitation. We are the only organization that provides pilot funding, proof-of-concept and career developing support for physiatric researchers.

### **Hackensack Meridian JFK Johnson Rehabilitation Institute**

*Edison, New Jersey*

#### **Booth 312**

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.

### **iFIT Prosthetics**

#### **Booth 212**

iFIT Prosthetics provides high quality, patient-centered, affordable prosthetics to alleviate disparities in access to healthcare and prosthetic services. Using the latest technology we strive to streamline prosthetic fittings to expedite the rehabilitation process and get persons moving quickly, safely and with high levels of comfort.

### **Intermountain Healthcare**

*Utah*

#### **Booth 710**

Intermountain Healthcare is a team of nearly 60,000 caregivers who serve the healthcare needs of people across the Intermountain West, primarily in Utah, Idaho, Nevada, Colorado, Montana, Wyoming, and Kansas. We are an integrated, non-profit health system based in Salt Lake City, with clinics, a medical group, affiliate networks, hospitals, homecare, telehealth, health insurance plans, and other services, along with wholly owned subsidiaries including SelectHealth, Saltzer Health, Castell, Tellica, and Classic Air Medical.

### **Ipsen Biopharmaceuticals**

*Cambridge, Massachusetts*

#### **Booth 110**

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, focusing its resources, investments and energy on discovering, developing and commercializing new therapeutic options in oncology, neurosciences and rare diseases.

### **Ipsen Medical Affairs**

#### **Booth 302**

### **ISPRM - the International Society of Physical and Rehabilitation Medicine**

#### **Booth 718**

The International Society of Physical and Rehabilitation Medicine (ISPRM) serves as the global agency for Physical and Rehabilitation Medicine (PRM). As a non-governmental organization (NGO) in relation with the World Health Organization (WHO), as an international umbrella organization of PRM physicians.

### **Johns Hopkins Rehabilitation Network**

*Baltimore, Maryland*

#### **Booth 405**

The Johns Hopkins Rehabilitation Network continues to push the boundaries of its tripartite mission in education, research,

and patient care. Research, education and patient care in specialty programs such as neuromuscular disease, multiple sclerosis, stroke/brain injury, postural orthostatic hypotension (POTS), amputation, spinal cord injury, performing arts and swallowing continue to grow.

### **Kelsey-Seybold Clinic**

*Pearland, Texas*

#### **Booth 601**

### **Kessler Institute for Rehabilitation**

*West Orange, New Jersey*

#### **Booth 507**

Kessler is one of eight NIDRR-designated model systems for the treatment and research of traumatic brain and spinal cord injuries. That same pioneering care distinguishes Kessler's stroke, neurological, amputee, cancer, and cardiac recovery programs. Top-ranked by U.S. News for 24 years, Kessler is the nation's largest single rehab hospital.

### **Konica Minolta Healthcare**

*Wayne, New Jersey*

#### **Booth 513**

Konica Minolta's ultrasound systems feature advanced MSK functionality for superior image detail and contrast resolution to support ultrasound guided procedures and therapies. Our UGPro™ Solution unites advanced ultrasound capabilities with the latest minimally-invasive procedural technologies so clinicians have the confidence to make better decisions sooner at the point-of-care.

### **Lifespan Physicians Group**

*Providence, Rhode Island*

#### **Booth 509**

### **LocumTenens.com**

*Alpharetta, Georgia*

#### **Booth 605**

### **Mayo Clinic**

*Rochester, Minnesota*

#### **Booth 701**

The Rehabilitation Medicine Center unites Mayo Clinic's recognized excellence in rehabilitation practice and forward-looking programs in research and education. The overarching goal is to provide a personalized rehabilitation experience for each patient – adult or pediatric, inpatient or outpatient.

### **Medtrina/ Integrated Rehab Consultants**

*Edgewater, New Jersey*

#### **Booth 311**

Medtrina/ Integrated Rehab Consultants provides acute level Psychiatry in the subacute setting. Our national network of Psychiatrists have the freedom, flexibility, and financial security to focus on what is most important – delivering excellent patient care and outcomes!



## Learn and Practice with Faculty Who are Driven to Discover

For 70 years, the University of Minnesota Medical School's Department of Rehabilitation Medicine has set a gold standard for PM&R care, education, and research. What makes us different?

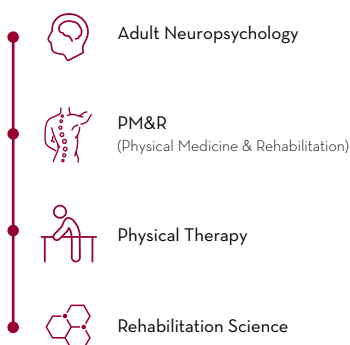
- Our divisions include Adult Neuropsychology, Physical Therapy, PM&R, and Rehabilitation Science.
- We lead cutting edge clinics in wound care, movement disorders, spine care, pediatric rehabilitation, cancer rehabilitation, and COVID-19 rehabilitation.
- Our unique interdisciplinary concussion clinic provides the latest in highly individualized care for those with mild to moderate traumatic brain injury.
- Our learners work in a highly collaborative environment at five unique sites across the Twin Cities, ensuring access to unique patient populations and a mastery of the clinical components of PM&R.
- We are ranked ninth in the nation for PM&R research with portfolios in spinal cord injury, performance validity measures in neuropsychology, cognitive and emotional factors associated with varied neurological and physiological conditions, human physiology, and rehabilitation across all systems.
- We recently were awarded funding to be the prime site for a spinal cord injury Center for Excellence. The Minnesota Spinal Cord Injury Model System (MN SCIMS) is a multidisciplinary continuum of care partnership among Courage Kenny Rehabilitation Institute, Mayo Clinic, Regions Hospital, and the University of Minnesota.

Our goal is to improve our patients' quality of life -- through excellent care, innovative research, and in-depth education. Come join us. It will be one of the best decisions you ever make.



Ranked in nation for  
PM&R research through  
Blue Ridge Institute

### Four Divisions



### Why Minnesota?



Consistently ranked in  
the top 3 places to live  
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World Report



Fortune 500  
Companies



Excellent  
healthcare  
environment

[z.umn.edu/RehabMed22](http://z.umn.edu/RehabMed22)

The University's mission, carried out on multiple campuses and throughout the state, is threefold: research and discovery, teaching and learning, and outreach and public service. The University of Minnesota is an equal opportunity educator and employer.



Department of  
Rehabilitation Medicine

UNIVERSITY OF MINNESOTA  
**Driven to Discover®**

## Medtronic

Minneapolis, Minnesota

### Booth 308

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 clinical, therapeutic, and economic expertise to address the complex challenges faced by healthcare systems. Let's take healthcare Further, Together. Learn more at Medtronic.com.

## Merz Therapeutics

Raleigh, North Carolina

### Booth 402

At Merz Therapeutics, we seek to address the unique needs of people who suffer from movement disorders, neurological conditions, and other health conditions that severely impact patients' quality of life. With our patient-centric approach, cutting-edge research and development efforts, highly-scientific medical affairs resources and dedicated commercial teams, we continue the advancement of new and individualized treatment standards, including botulinum toxin.

## Merz Therapeutics - Medical Affairs

Raleigh, North Carolina

### Booth 401

At Merz Therapeutics, we seek to address the unique needs of people who suffer from movement disorders, neurological conditions, and other health conditions that severely impact patients' quality of life. With our patient-centric approach, cutting-edge research and development efforts, highly-scientific medical affairs resources and dedicated commercial teams, we continue the advancement of new and individualized treatment standards, including botulinum toxin.

## Mount Sinai Rehabilitation and Human Performance

New York, New York

### Booth 716

With the introduction of new technologies, innovation, and policy reform, the landscape of healthcare is always changing, what is constant is our desire to improve the human condition. Our Rehabilitation Center is accredited by the Commission on Accreditation of Rehabilitation Facilities (CARF) for many of our programs across the continuum of care, including Brain Injury, Spinal Cord Injury, Stroke and Amputation. We offer comprehensive and coordinated services in both inpatient and outpatient settings.

## Natus Medical

Middleton, Wisconsin

### Booth 103

Natus delivers advanced technology and market-leading solutions across the full spectrum of neuro care. Since 1935 we have been committed to advancing the quality

of patient care in the fields of EEG, EMG, EP, ICU, Neurocritical Care, IOM, LTM, Sleep, research and application products. Natus is recognized by healthcare providers as the solution source to screen, diagnose, and treat disorders affecting the brain, neural pathways and eight sensory nervous systems. For more information, visit natus.com.

## Northwell Health

Manhasset, New York

### Booth 412

## Pacific Rehab Consultants

Hermosa Beach, California

### Booth 410

## Pacira BioSciences, Inc

Parsippany, New Jersey

### Booth 707

## Penn State Health

Hershey, Pennsylvania

### Booth 104

## Piramal Critical Care

Bethlehem, Pennsylvania

### Booth 210

Pharmaceutical

With nearly 20 years in the healthcare industry, Piramal Critical Care, (PCC) is committed to delivering critical care solutions to patients and healthcare 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.

## Quest Healthcare, A Division of Quest Products, LLC

Pleasant Prairie, Wisconsin

### Booth 506

Quest Healthcare supports facilities, doctors, and nurses in approaching healthcare challenges providing clinically meaningful, affordable solutions for patients suffering from neurogenic bowel and early-stage pressure injuries. Enemeez® - 5mL mini enema (283 mg of docusate sodium) is fast, reliable, and effective for bowel care needs associated with neurogenic bowel or general constipation. Alocane® Plus - Analgesic/Antimicrobial. Lidocaine HCL 4% and Benzalkonium Chloride 0.13%, forms a protective barrier on the injury site and inhibits microorganisms' regrowth.

## Shirley Ryan AbilityLab

Chicago, Illinois

### Booth 214

The Shirley Ryan AbilityLab, formerly the Rehabilitation Institute of Chicago (RIC), is the nation's #1-ranked provider of comprehensive physical medicine and rehabilitation care to patients from around the world and is the leader in research and development of the cutting-edge treatments and technologies in its field.

## SleepMed

Parkland, Florida

### Booth 708

moveUP is an FDA registered medical software providing a virtual pain management, pre and post surgery treatment and disease management and analysis platform. We have treated over 4,000 patients working with 25 healthcare systems. We are the perfect technology partner for remote patient monitoring under the RTM codes. We look forward to meeting you to discuss more.

## Spaulding Rehabilitation Network/ Harvard Medical School Department of PM&R

Charlestown, Massachusetts

### Booth 408

Spaulding Rehabilitation Hospital is the home of scientific, clinical and translational research for the Harvard Department of PM&R. Spaulding is the only department in the country to have all three Model Systems simultaneously, and has been consistently ranked in the top 10 'Best Hospitals' by US News.

## TIRR Memorial Hermann

Houston, Texas

### Booth 105

Continually recognized as one of America's Best Hospitals, TIRR Memorial Hermann is a national leader in medical rehabilitation and research.

## University of Miami Department of Physical Medicine and Rehabilitation

Miami, Florida

### Booth 313

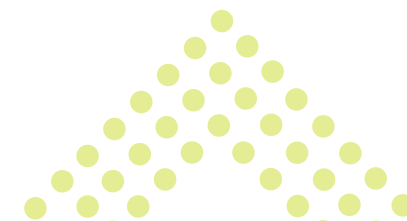
The University of Miami Miller School of Medicine, Jackson Health System, Miami VA Healthcare System and the Miami Project to Cure Paralysis represent a unique collaboration of academic, scientific and clinical resources poised to lead spinal cord injury care and research.

## University of Minnesota - Department of Rehabilitation Medicine

Minneapolis, Minnesota

### Booth 107

The University of Minnesota Medical School's Department of Rehabilitation Medicine became an autonomous department in 1952. From the beginning, our mission has been to provide high-quality patient care, education, and research in rehabilitation.





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# PHYSIATRY '24

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Orlando, FL  
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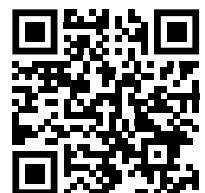
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Image taken prior to COVID safety protocols. \*U.S. News rankings is for the Dallas inpatient location only. Baylor Scott & White Institute for Rehabilitation is part of a comprehensive inpatient and outpatient rehabilitation network formed through a joint venture between Baylor Institute for Rehabilitation at Gaston Episcopal Hospital and Select Physical Therapy Texas Limited Partnership BIR JV, LLP, ©2022 Baylor Scott & White Health.

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Hackensack  
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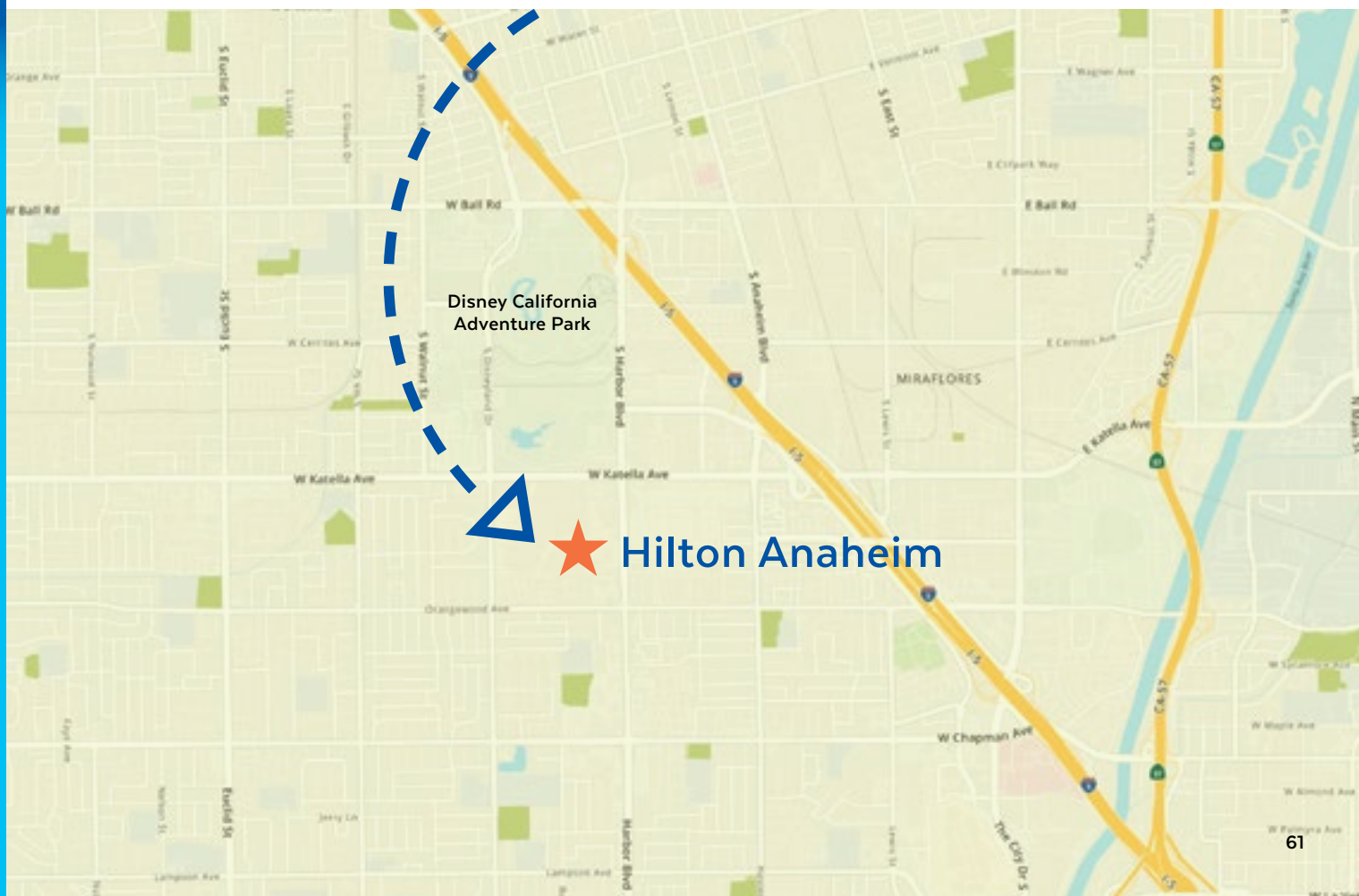
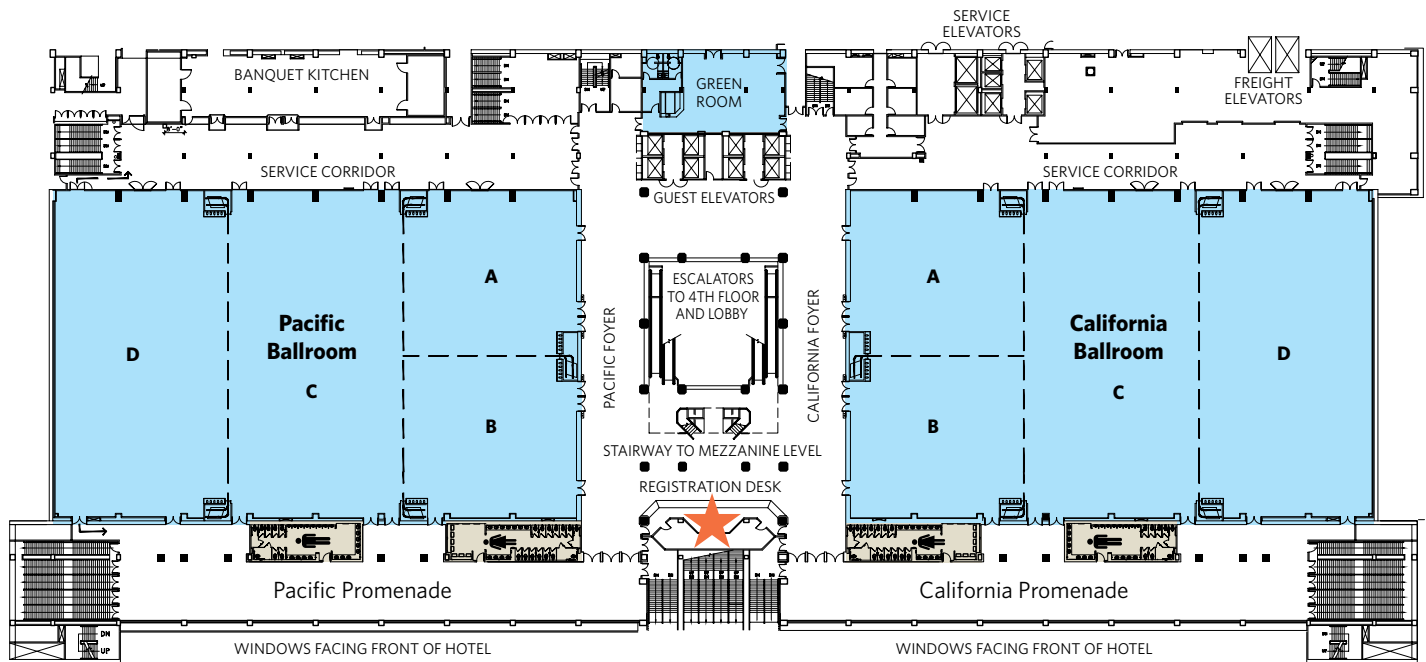


ACCREDITED BY



# Anaheim Hilton Map

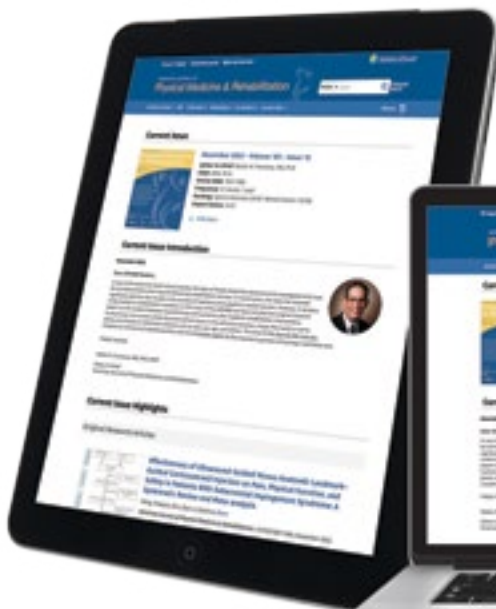
Most Psychiatry '23 activities will happen on the 2nd and 4th floors. For more information and maps of the Hilton Anaheim, please download and refer to our free Psychiatry '23 app!



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Editor-in-Chief  
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Reading Hospital Rehabilitation at Wyomissing is a state-of-the-art facility that includes a 61-bed Acute Rehabilitation Center, 11-bed secured Brain Injury Unit, 50-bed Subacute rehabilitation unit, aquatic therapy pool, outdoor therapy garden with putting green, onsite pharmacy, and radiological services.

**Reading Hospital Rehabilitation at Wyomissing** is part of **Reading Hospital**, a 700-bed tertiary medical center that is a Level 1 Trauma Center, comprehensive stroke center and recipient of **Healthgrades® America's 100 Best Hospitals Award™**. Home to multiple residency and fellowship programs, Reading Hospital is also the Branch Campus for Drexel University College of Medicine; a new four-year PM&R Residency Program is in its second year. **Reading Hospital Rehabilitation at Wyomissing** is the only hospital in the region accredited by both the Commission on Accreditation of Rehabilitation Facilities (CARF) and The Joint Commission. Our amputee, brain injury, SCI, and stroke specialty programs are also CARF accredited.

**Reading Health Rehabilitation Hospital** provides our physicians with exceptional administrative and operational support to free you to do what they do best: diagnose, treat, and rehabilitate patients who have experienced functional loss or disability as a result of an illness or injury. The hospital is located in Wyomissing, part of Berks County, Pennsylvania, one hour northwest of Philadelphia and within driving distance of Baltimore, New York City, and Washington, DC. The outstanding academic and clinical experiences offered by **Tower Health** combined with the area's cultural events, historic treasures, outdoor activities, and visual arts, create an environment for showcasing professional attributes and enjoying quality leisure time.

We are hiring. Go to [Careers.TowerHealth.org](https://careers.towerhealth.org) to explore our opportunities.



# Isn't it time you looked at Remote Therapeutic Monitoring?

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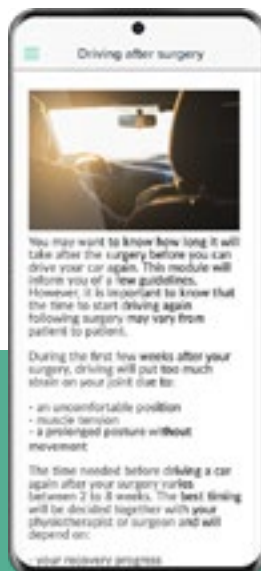
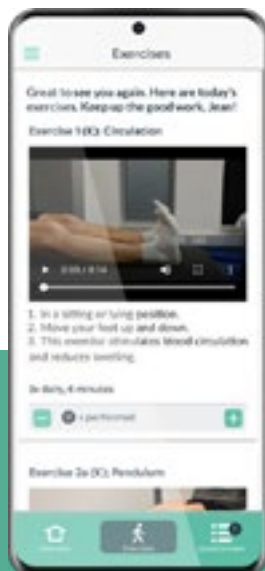
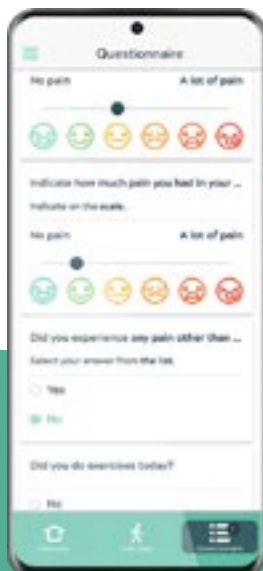
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# Notes & Connections



# Notes & Connections





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