

Summer 2021

CONNECTIONS



Bringing CNS Members Together to Make Children's Lives Better



50TH ANNUAL MEETING

CNS

SEPT 29-OCT 2, 2021

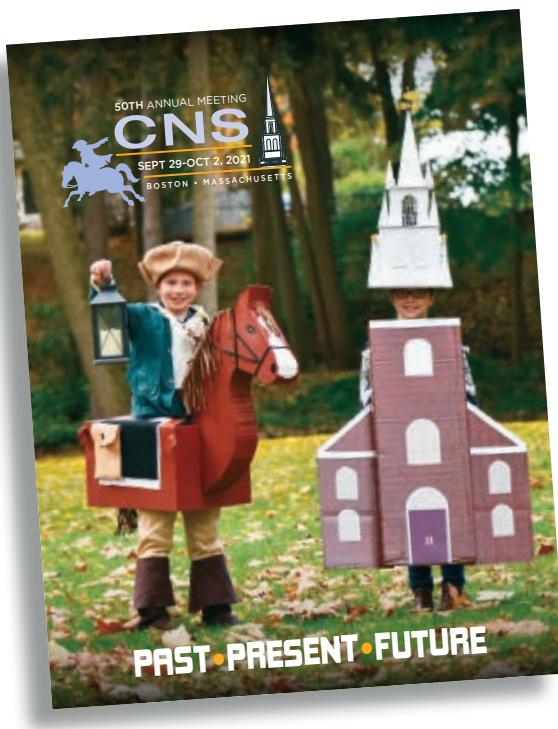
BOSTON • MASSACHUSETTS





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SUMMER 2021



CNS 50th Annual Meeting Brochure & Registration

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CONNECTING WITH COLLEAGUES

Letter from the President



Dear Friends,

Phillip L. Pearl, MD

With palpable excitement the CNS is roaring into full planning mode for the 50th Anniversary Meeting to be held on site in Boston (with virtual options) September 29 – October 2. Mark your calendars and make travel arrangements! I would like to highlight three major initiatives in this Summer *CNS Connections* issue:

1. 50th/Golden Anniversary Meeting:
Past, Present, and Future
2. Leadership, Diversity, Equity and Inclusivity
Task Force and Programming
3. Formation of a new CNS Journal

The theme of celebrating legacy and the future was kicked off during the spring AAN meeting, when the CNS sponsored a stirring session featuring Marvin Fishman, Huda Zoghbi, and Hsiao-Tuan Chao: "The CNS at Fifty Years: Past, Present, and Future – the Baylor Program as Exemplar." You will not want to miss out on the Legacy Luncheon on Day 1 of the Fall meeting, bringing together CNS members of all ages and career stages to honor this year's Brumback Lifetime Achievement, Gold Humanism, and CNS-PECN

Training Director Awardees as well as all past elected officers and award recipients (see page 14). There will be time before the luncheon, and in following days to pick up your copy of the second edition of the *Founders* book, expertly edited once again by Steve Ashwal. The 1990 version featured profiles of 124 founders up to 1960; this edition has been expanded with fourteen new masterful topical overviews and an additional 137 new profiles crossing over into the new millennium. Members will have the chance upon registering to buy the \$200 book for \$100, picking it up upon their arrival in Boston. Be sure to purchase a book at 50% when registering, and leave extra room in your luggage for the home trip; this is a once in a lifetime opportunity you won't want to miss to have this edition signed at the meeting by Steve and a rich mix of other profile subjects and authors attending this milestone meeting along with you.

The Scientific Selection Committee, chaired by Carl Stafstrom and co-chaired by Yasmin Khakoo, received a record number of abstracts and high quality symposia

submissions. Hot topics, from Covid-19 to Career Development, will be presented by some of our most highly recognized, world-renowned senior members and an impressive line-up of new investigators, including those featured as part of the Presidential Symposium on Wednesday and the CNCNP Symposium Friday morning. Bracketing the packed scientific program will be Part II of the Child Neurology Foundation's "Diagnostic Odyssey" on Wednesday morning, and a special workshop on clinical research jointly hosted by the CNS and CNF on Saturday afternoon.

David Urion and I have gone back into the studio to record a Medical Humanities curriculum combining literary and musical selections for an on-line series focused on New England literary lore to be featured on the new CNS website as prelude to the meeting. The meeting will also feature a live Humanities symposium including Carl Stafstrom covering art in neurologic practice, Nina Schor on poetry, musical and medical history on my part, and a much needed dose of stand-up patter from Joe Pinter.

The Leadership, Diversity, Equity and Inclusivity Task Force has synthesized an impressive list of strategic initiatives looking into diversity and equity issues within the CNS and the larger field of child neurology as experienced through the clinical care afforded our patients. This has been chaired by Rujuta Bhatt Wilson along with active support from a committed group of members, including Erika Augustine, Nancy Bass, Alexander Bassuk, Audrey Brumback, Diana Mercedes Cejas, Renee Shellhaas, Jonathan Strober, and Ann Tilton. The group will be sponsoring an important virtual symposium in conjunction with the Fall meeting, and will also be summarizing their activities in a new series on Diversity and Equity in Neurology to be published in the *Annals of Neurology*.

Speaking of the *Annals*, I would like to take this opportunity to apprise members of ongoing negotiations toward formation of a new CNS journal. As reported in a prior *eConnections* letter, a seven-year contract with the ANA for continued partnership in the *Annals of Neurology* was successfully negotiated and signed effective January 1, 2021. That process culminated in a range of joint initiatives between the CNS and ANA. I hope you have noticed the very prominent pediatric neurology and developmental neurobiology content in the *Annals*, with Scott Pomeroy serving as Associate Editor for pediatric content. There were also CNS editorials published in the management of infantile spasms during the pandemic, institutional racism, and just this month a joint call for papers for the aforementioned new series on diversity and equity in neurology. This series will open with a series of

articles contributed by the German Neurological Society in a massive introspective undertaking assessing the effects of the brutal Nazi regime on neurologists leading to the renaming of eponymic diseases and named awards. The responses by the early 20th century German neurologists ranged from Nazi loyalty to indifference to resistance, and are relevant to issues in society today.

During these discussions, we also sought and received the endorsement of the ANA and editorial board of the *Annals* and its companion journal, the *Annals of Clinical and Translational Neurology (ACTN)*, to develop a new journal in child neurology to be added to the *Annals* series. At this stage, there are ongoing discussions with Wiley to develop a journal that represents issues of interest to CNS members, publishing clinically oriented papers that are not accepted by, much less submitted to the *Annals*. I wish to thank Steve Roach and Marc Patterson for their very helpful input. I have submitted a prospectus to Wiley with the help of President-Elect Bruce Cohen, Executive Director Roger Larson, and CNS liaisons to the *Annals*, Nigel Bamford and Ken Mack. While one priority was to maintain our important alliance with the ANA, another is for the CNS to have a journal that focuses on the priorities and needs of our members. In time, we will invite participation of as many members as possible in this effort, especially when we get to the point of content and editorial oversight. As of this writing, negotiations are in progress, but the Executive Board is committed to the concept.

This closes my last *CNS Connections* Letter from the President before the official conference issue. Traditionally, the outgoing President engages in a Q&A with *Connections* Editor Dan Bonthius for the Fall/Annual Meeting issue in lieu of penning a final "farewell" letter. I am going to take the opportunity to expand and enrich the Q&A by adding a third voice to the mix, my outstanding successor, Bruce Cohen. I want to take this opportunity to thank Bruce for joining Roger and me for our weekly (and sometimes more) meetings since last year's CNS election, and I want to especially thank Roger and the National Office staff – Sue Hussman, Kathy Pavel, and Emily McConnell – for keeping the CNS going through the pandemic, virtual joint meeting with ICNA, and the build-up to the Golden Anniversary meeting that you won't want to miss.

Sincerely,
Phillip L. Pearl MD
President, Child Neurology Society
William G. Lennox Chair, Boston Children's Hospital
Professor of Neurology, Harvard Medical School
Music and Health Institute, Berklee College of Music
Boston, MA

CHILD NEUROLOGY SYNAPSES

Eureka! Pyridoxine works! Sort of.

Daniel J. Bonthius, MD, PhD, CNS Connections Editor

Amelioration of levetiracetam-induced behavioral side effects by pyridoxine. A randomized double blind controlled study. Pediatric Neurology 119: 15-21, 2021

What the researchers did:

Levetiracetam (Keppra™) is unquestionably an effective anti-epileptic drug that has many positive qualities. It can control or improve focal and generalized seizures, can be used as monotherapy and adjunctive therapy, has few drug-drug interactions, is available in oral and intravenous formulations, and does not require blood monitoring. As a result of these many advantages, levetiracetam is one of the most commonly used anticonvulsants. However, it has an Achilles heel. Levetiracetam can induce substantial behavioral side effects, especially in children. These behavioral side effects include irritability, aggressiveness, personality change, moodiness, anxiety, and depression. Probably every child neurologist has heard parents complain that "Keppra has made Johnny just plain mean." Sometimes, the behavioral side effects are so severe that the drug must be stopped, even if it is controlling the seizures well.

Enter pyridoxine, aka Vitamin B6. This water-soluble vitamin has been purported to improve the behavioral side effects of levetiracetam. However, evidence that it does so has been weak. Published evidence that pyridoxine ameliorates levetiracetam's behavioral side effects has been limited to case series and retrospective chart reviews. Thus, Dr. Adel Mahmoud and his co-authors in Saudi Arabia used a scientifically valid method to test the hypothesis that pyridoxine can improve the behavioral side effects of levetiracetam. They conducted a randomized, double blind, placebo-controlled trial of pyridoxine in 105 children (ages 1-17 years) with epilepsy and with neuropsychiatric symptoms due to levetiracetam. To quantify behavioral symptoms, the parents filled out a behavioral checklist questionnaire at baseline and again at 2 weeks, 4 weeks, 6 weeks, and 6 months following initiation of therapy with pyridoxine (10 mg/kg/day, increased to 15 mg/kg/day if behaviors were not improved by 50% at 2 weeks).

What the researchers found:

The results showed that pyridoxine and placebo both improved the behavior problems of children taking levetiracetam. Thus, there was a placebo effect. However, the magnitude of the improvement was greater in the pyridoxine group than in the placebo group. In fact, the relative reduction in behavioral symptoms was almost double in the pyridoxine group than in the placebo group. The improved behavior was evident by two weeks, and the behavior remained improved, relative to baseline and relative to the placebo group, at all time points thereafter. Thus, the improvement was evident early and was sustained. Furthermore, a beneficial effect of pyridoxine on behavior was observed for children of all ages. Thus, the results of this first double-blind placebo-controlled study suggest that pyridoxine does improve levetiracetam-induced behavior problems in children with epilepsy. However, these positive results come with one caveat: the magnitude of the improved behavioral effect was small. At best, pyridoxine improved behavioral symptoms by 12 percent. As a result, although pyridoxine improved behaviors better than placebo, even the children treated with pyridoxine continued to have substantial behavior problems as a group.

What the research means:

Pyridoxine is a cofactor in a multitude of enzymatic reactions, including those used to produce amino acids, lipids, and carbohydrates. The vitamin is also involved in the synthesis and degradation of neurotransmitters, and it is possibly through this mechanism that pyridoxine improves behavior in children taking levetiracetam. Whatever its mechanism, pyridoxine does appear to genuinely improve the problem behaviors induced by levetiracetam. However, the scale of the improvement is rather small. In light of the fact that many parents have told me that levetiracetam has turned Johnny into "the child from hell," the parents can now take some solace in knowing that Johnny will now be "the child from purgatory."

CHILD NEUROLOGY SYNAPSES

Long-term neurological and psychiatric effects of covid.

Daniel J. Bonthius, MD, PhD, CNS Connections Editor

6-month neurological and psychiatric outcomes in 236,379 survivors of COVID-19: a retrospective cohort study using electronic health records. Lancet Psychiatry 8: 416-427, 2021.

What the researchers did:

Evidence that COVID-19 directly infects the brain is not strong. However, the viral infection can induce substantial systemic inflammation and can activate inflammatory cells within the brain. Shortly after the COVID-19 pandemic began last year, reports emerged of neurologic and psychiatric complications among patients during and after infection with COVID-19. Reports of ischemic strokes, intracranial hemorrhages, mood and anxiety disorders, and other neuro-psychiatric problems began to appear in increasing and alarming numbers. However, most of these accounts have consisted of case reports or case series. The critically important question has arisen whether survivors of COVID-19 are at increased risk of neurological and psychiatric disorders. To address this question, Dr. Maxime Taquet and her team of collaborators in the United Kingdom and United States conducted a large-scale retrospective cohort study in which they used an electronic health records network that included millions of patients, to investigate the incidence of neurological and psychiatric diagnoses in COVID-19 survivors during the six months after infection. They studied patients 10 years of age and older, diagnosed with COVID-19, and they used patients with influenza or with other respiratory infections as control groups. They examined the incidence of a wide range of psychiatric and neurologic conditions, including intracranial hemorrhage, ischemic stroke, parkinsonism, Guillain-Barre syndrome, nerve, nerve root and plexus disorders, myoneural junction and muscle disease, encephalitis, dementia, psychotic, mood, and anxiety disorders, substance use disorders, and insomnia. The researchers also investigated whether the neurological and psychiatric sequelae of COVID-19 were affected by the severity of the infection by looking at patients who had or had not been hospitalized, admitted to an intensive care unit (ICU), or diagnosed with encephalopathy.

What the researchers found:

The study included 236,379 patients with COVID-19 and similar numbers of patients in the influenza control group and other respiratory infections control group. The researchers found that survivors of COVID-19 face a sharply increased risk of developing neurologic and psychiatric disorders in the 6 months after they contract the viral infection. Rates of neurological or psychiatric illness in the 6 months following COVID-19 exceeded 33 percent. The risk of contracting these neurological and psychiatric problems was much greater following infection with COVID-19 than it was following infection with influenza or other respiratory infections, despite similar degrees of illness, thus suggesting that there is something specific about the COVID-19 virus that makes it particularly likely to induce brain problems. Furthermore, the likelihood of later neurological and psychiatric problems rose with increasing severity of COVID-19 infection. Hospitalization, admission to an ICU, and development of encephalopathy all increased the risk of a neurological or psychiatric disorder following COVID-19.

What the research means:

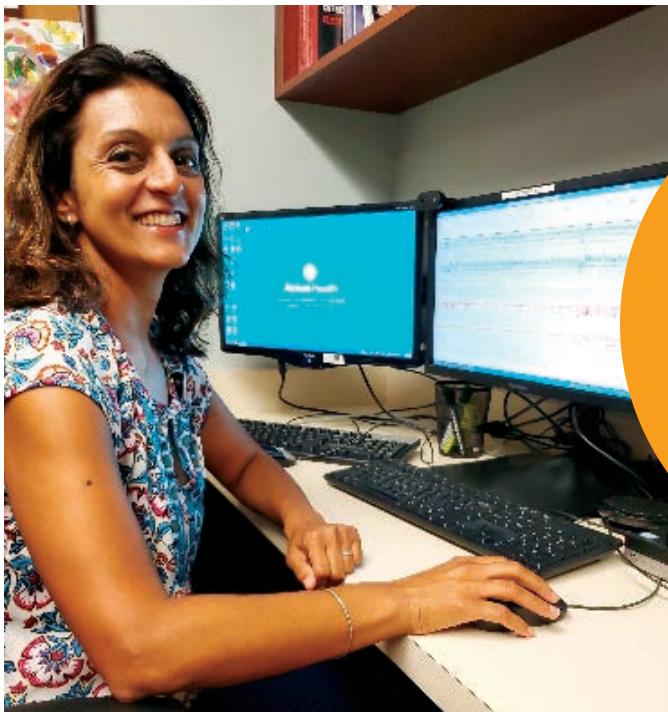
Although the study included patients over the age of 10 years, the results were not analyzed by age group. Thus, it is unknown whether children have long-term neurological and psychiatric effects from COVID-19 to the same extent that adults do. Regardless, it is clear that COVID-19 infection can continue to affect brain function in humans long after the acute signs of infection have cleared. As a researcher who has studied neurovirology for the past 20 years, I can attest that the relationship between viruses and the brain are among the most fascinating and complex in all of biology. Viruses can selectively infect specific neuronal populations, where they can replicate to astronomical numbers and can remain hidden in neurons long after the acute signs of infection have passed. Viruses can chronically interfere with neurotransmitter production, leading to altered host behavior. Viruses can trigger the expression of cytokines and chemokines that alter neuronal and glial physiology, structure, and function. Viruses can corrupt the neuro-immune system, inducing lymphocytes to produce anti-neuronal and anti-myelin antibodies that result in acute, recurrent, and chronic neurologic and psychiatric disability. Viruses can attack extra-CNS tissues with secondary brain injury. Which, if any, of these mechanisms COVID-19 utilizes to produce its long-term neurological and psychiatric effects is unclear. It is likely that we are witnessing the beginning of a whole new branch of neuroscience research – the study of COVID-19 on the brain.

CONNECTING WITH COLLEAGUES

Focus on Young Researchers

The Role of Neuroinflammation in A Rising Star in Epilepsy Research – in Private Practice.

By Daniel J. Bonthius, MD, PhD | CNS Connections Editor



Dr. Rani Singh, in the epilepsy monitoring unit, interpreting the EEG of a child receiving an experimental anticonvulsant.

Dr. Singh's actions show that the generation of new knowledge and improvements in practice are not restricted to professors in universities, but can be realized by practicing physicians in all types of settings.

Conducting research is never easy – no matter what the setting or circumstance. But being a researcher is especially challenging and unusual in a private practice setting, where protected time and infrastructure for research are often scarce. Conducting research in private practice requires extra measures of determination, curiosity, and commitment. Dr. Rani Singh possesses those qualities and stands as a superb example of a researcher who contributes much to academic child neurology from her position in private practice.

Rani Singh, MD is an epilepsy specialist at Atrium Health/Levine Children's Hospital in Charlotte, North Carolina. Atrium Health/Levine Children's Hospital is an academic institution with medical students, residency programs, and state-of-the-art technology for patient care. But it is a private practice setting, where most practitioners are

full-time clinicians with no time protected for research. Dr. Singh overcomes the obstacle of no protected time through a combination of efficiency, drive, and a willingness to work long hours.

Dr. Singh's research focuses on improved treatments for children with medically refractory epilepsy. She explores the use of new medications, novel diagnostic and surgical treatments for epilepsy, and accelerated presurgical evaluations. The nature of her research often requires close collaboration with industry, including pharmaceutical companies and medical device companies, and with other epilepsy researchers across the country, including the Pediatric Epilepsy Research Consortium (PERC).

Several of the projects on which Dr. Singh has played an important role have included examinations of the efficacy of novel pharmacotherapies for infantile spasms. Because



Dr. Rani Singh performing intraoperative electrocorticography on a patient with refractory focal epilepsy who is undergoing responsive neurostimulation implantation.

of her expertise in the subject of infantile spasms, she served as an author, along with several additional experts from the CNS and PERC, on two emergency statement manuscripts outlining the management of new infantile spasms during the COVID-19 pandemic – a time during which high dose steroids and hospitalizations were discouraged.

Dr. Singh has several current research projects. Reflecting her interest in improving the quality of life in children with epilepsy, one of her projects examines the benefits of seizure detection devices (smart watches) on quality of life for adolescents with epilepsy and for their caregivers.

Dr. Rani Singh demonstrates the great extent to which a child neurologist in private practice can contribute to the advancement of her field. Dr. Singh's participation in research has also benefitted her patients. Through her collaborations with pharmaceutical companies, Dr. Singh has been able to secure novel treatments for her patients to which they would not have otherwise had access. Dr. Rani Singh's actions show that the generation of new knowledge and improvements in practice are not restricted to professors in universities, but can be realized by practicing physicians in all types of settings.

A young girl with red hair tied back with a white bow, wearing red glasses and a grey patterned shirt, is pointing her right index finger upwards towards a hand-drawn yellow lightbulb with radiating lines. The background is a solid teal color with a thin yellow horizontal bar near the bottom.

Got a project
or colleague
working on a
project that you'd
like to see featured?

Send email to:
Dan Bonthius
(daniel.bonthius@atriumhealth.org)
cc Roger Larson
(rblarson@childneurologysociety.org)

CONNECTING WITH COLLEAGUES

Letter from the CNS Executive Director



American Dreams ("If you have to ask....")

Roger Larson, CAE



Chairman of the Joint Chiefs of Staff

It never occurred to me while watching Amanda Gorman deliver her stirring inaugural poem, "The Hill We Climb" on January 20 that her last name is an anagram for Morgan – as in "J.P. Morgan." But then, it never occurred to me while thinking shortly thereafter about inviting her to write and deliver a commemorative poem for the CNS 50th Anniversary Meeting in Boston that wondering what she charges would prompt the oft-quoted line attributed to Morgan, the Jeff Bezos of his day: "If you have to ask, you can't afford it."

I should have had the good sense to ask before writing the following proposal what Ms. Gorman's booking agent charges. Alas, I didn't. When told "\$125,000 for virtual presentation, double in-person," I immediately moved on. Ah, well. It would have been fun and inspiring...for both her and us.

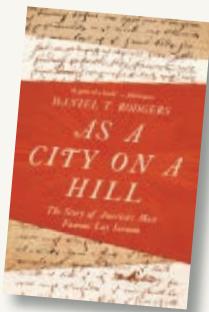
In lieu of hearing the gifted poet and future President read in Boston I will leave you with a letter she no doubt did not, and will not ever read:

Dear Ms. Gorman:

I am writing to you with a proposed commission that not only speaks to your creative spirit, appeals to your activist impulses, and calls out for your prophetic voice, but may also move you one step further along a path I both hope and believe will bring you back to the Capitol steps, this time to take an oath of office following the reading of a poem, rather than the inverse.

Your presence and performance at the 2021 Inauguration made history and made you famous. My proposal gives you the chance to use that newfound fame to re-envision and re-shape history. A large claim, I know, but no larger, grander or more far-fetched than your Presidential ambitions. So, read on and then tell me if, from the hill you have just climbed, you don't see the same possibilities...and more.

What I am offering is an opportunity this coming fall to elaborate and expand upon "The Hill We Climb," a chance to re-envision and re-present a more diverse and inclusive version of America as a "City upon a Hill." The Child Neurology Society will hold its 50th/Golden Anniversary Meeting this fall in Boston – the "City upon a Hill" to which John Winthrop sailed in 1630 when he wrote what became "the most famous lay sermon in American History." We would be honored if you would be willing to write a commemorative poem and perform it for us in Boston in celebration of that milestone.



I don't know if you know any child neurologists. You would like and admire them and would readily relate to them. Child neurologists are a relatively small, remarkably gifted and compassionate cohort of specialists whose calling in life is to care for and find a cure for the 1-in-5 children of all races, ethnicities, gender, and orientations whose chances of fully realizing "the Possibilities of Life in America" – of growing up to become fully valued and celebrated citizens of that City upon a Hill – are limited, inflected, deflected or dismissed due to a wide range of neurologic disorders and disabilities. (See the 2020 CNS Statement against racism: <https://conta.cc/2AZ1972>).

When I watched and listened to you on January 20, I was enthralled, as everyone I know was. And still is. In my privileged position as Executive Director of the CNS, I saw that day a seed of even greater possibility, one that no one else would have or could have. I had to wait to share this with you until it became more certain that COVID would not cancel this year's CNS meeting in Boston, forcing us into virtual mode for our 50th Annual Meeting. The waiting is over. We're going to Boston. And we want you to be our honored guest.

Here is my proposal:

The Child Neurology Society (CNS) requests you write and perform in person a commemorative poem honoring the 50th/Golden Anniversary of the CNS at its annual meeting to be held September 29-October 2 at the Hynes Convention Center in Boston.

We invite you to collaborate with a jazz ensemble made up of faculty members from the Berklee School of Music in putting your commissioned poem or other work to music. The CNS President, Dr. Phillip Pearl, from Boston Children's Hospital/Harvard Medical School, is a gifted keyboard artist and faculty member at the Berklee School of Music. Together with Dr. David Uron, also from BCH/Harvard, he and an ensemble made up of Berklee Music faculty recorded a 9-part series of poetry and music for last year's joint virtual meeting with the International Child Neurology Association: "American Creativity, Ingenuity, and Diversity". Members of this ensemble will also be performing at one or more of the meeting receptions and would be honored to collaborate with you in composing and debuting a new work. Here is a link to the first video from 2020: <https://vimeo.com/463608283>

The CNS would like to invite you back to read a poem in the fall of 2036, and to also address those gathered for the 65th Annual CNS Meeting as a candidate for President of the United States. I can't promise the 65th meeting will be in Boston, having long since retired and turned 82, but if you promise to come, I promise to be there to renew our acquaintance and reminisce about the first time we met, in 2021. I am willing to bet that there will be more than one CNS member attending in 2036 who decided to become a child neurologist after reading the poem or seeing a video of you read that poem in the City upon a Hill years earlier, back when they were mere children dreaming about the hills they might climb, the lives they might lead, the persons they might become.

The stars are aligned in a way we may never see again. No other person, at no other time, on no other occasion, and in no other city could fulfill this commission as you can. Having so memorably climbed one mythic-metaphorical hill, you have a chance now to meet us atop another and, in so doing, revise and revitalize "the Possibilities of Life in America" for current and future generations of children, regardless of race, ethnicity, gender, orientation...or neurologic capacity or incapacity.

Please join the CNS in Boston this fall to help us honor and celebrate our 50th Anniversary.

Roger Larson, CAE
Executive Director
Child Neurology Society

15 Things to Know About the Meeting

1 IT'S A HYBRID MEETING (MEANING "LIVE" IN-PERSON AND "LIVE-STREAMED")

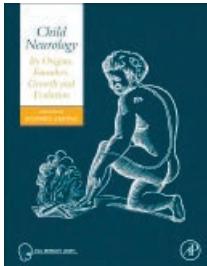
The 50th Annual Meeting opens in just under 3 months. On-line registration will open in 2-3 weeks. For those who can come to Boston, we'll be live at the Hynes Convention Center.

For those who can't, we'll be livestreaming 90% of CME sessions and the Legacy Luncheon. All sessions and the Legacy Luncheon will be available On Demand w/in 24-48 hours of the session ending.



2 REGISTRANTS GET 50% OFF FOUNDERS BOOK

All registrants are eligible to purchase the special 50th CNS Anniversary edition of *Child Neurology: Its Origins, Founders, Growth and Evolution* at 50% off list price. Those wanting it for signing by editor, Steve Ashwal as well as those profiled and those writing profiles will want to pick it up at the meeting; others may have it delivered or order an eBook when registering.



3 SLEEPING ROOMS AVAILABILITY

Reserved CNS room block at the Sheraton Boston will go fast. Contracting for a second hotel room block is too financially risky given all the uncertainty surrounding this year's meeting; those registering after the room block fills will be on their own.



4 CNF SYMPOSIUM: SHORTENING THE DIAGNOSTIC ODYSSEY. PART II.

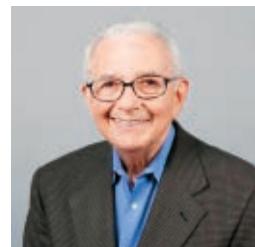
The sequel (Part II) to last year's hugely popular CNF Symposium will open the meeting Wednesday morning, September 29. Registrants paying the \$50 course fee will receive a coupon to review Part I on the CNS Lifelong Learning Website in August/September.

5 CLINICAL INVESTIGATOR BOOT CAMP

The CNS Research Committee, in tandem with the CNF, will stage the first-ever 4-hour clinical investigator workshop, giving researchers of all ages and interests the tools and resources needed to turbo-charge their clinical research projects and ambitions. Enrollment limited to 80.

6 KENNETH F. SWAIMAN LEGACY LUNCHEON

Reserve a seat for Wednesday's Legacy Luncheon to honor this year's award recipients as well as all past elected officers and award winners. You won't want to miss this. (Register too late, however, and you will....).



7 ALUMNI RECEPTIONS AT HYNES AND SHERATON

Every program will want to get together this year. Starting in August the CNS will open a portal for reserving meeting rooms at the Hynes or Sheraton after 8 pm for Wednesday, Thursday and Friday night gatherings and/or provide a contact at the CVB for help booking off-site events. Alum breakfasts or lunches may be possible, but time and space is tight, so no promises.

8 NO SPECIAL INTEREST GROUP (SIG) OR COMMITTEE MEETINGS IN BOSTON

Added special programming, alumna get-togethers, and highly variable/indeterminate travel plans for many preclude scheduling SIG and Committee Meetings this year. Zoom meetings will be scheduled in September; watch for announcements in late July.

9 CLOSING GALA – BACK TO THE 70S

The first CNS Meeting, in Ann Arbor, was held one month prior to the Watergate-tainted re-election of Richard Nixon. Whether you come dressed up as Nixon, John Travolta, Mary Tyler Moore or your favorite mentor, a good time will be had by all....with or without whirling Disco Balls. Virtual attendees: organize local gatherings and join in via a livestreamed "Red Carpet."



10 HUMANISM IN MEDICINE BREAKFAST: GLOBAL HEALTH AND CHILD NEUROLOGY

A natural followup to last year's joint CNS-ICNA meeting. Enrollment is limited to 100 for this Friday morning breakfast, but content will be available On Demand.

11 THE FUTURE IS NOW!

The annual Child Neurology Career Development Project (CNCDP) and Pellock Resident Seminar will both convene in Boston on the front end of the meeting, with 100 attendees projected to stay on for the full CNS meeting.

12 EXHIBITS

Nothing says "we're back, LIVE!" like exhibit booths and sponsors (a special shout-out to those who last year "had our back," supporting us financially despite dismal ROI). The Exhibit Hall will feature Wednesday night's Welcome Reception, 100 posters (author present), and a special 50th-themed scavenger hunt.



13 POSTERS

100 posters will be presented live in Boston and another 100 will be available on-line. All will be available On Demand.



14 MUSIC VIDEOS

Fans of last year's 9-part series featuring David Urion's poetry reading, Phil Pearl's fascinating musicology mini-lectures, and a top-tier ensemble of Berklee School of Music faculty will be treated to an encore series focused on New England literary lore, with music to match.

15 PAID MEMBERS QUALIFY FOR LOWEST RATES

In tandem with the new website launch, we have made things starkly simple: CNS Active Members are members who have paid their annual dues. Period. If you haven't paid 2021 dues by now – **or by August 20 at the very very latest** – the registration system will not recognize you as a CNS Member and you won't qualify for member rates, member reservation priority, or member access to the website. **CN & NDD residents:** check with your program coordinators after July 10 to ensure they have enrolled you for CNS membership: it's free and semi-automatic once programs provide initial data (beginning July 1).

Mid-July Dates & Deadlines

On-line Registration & Hotel Reservations

Watch for *eConnections* announcing launch.

IMPORTANT NOTICE: To qualify for member rates and priority access to reserved courses, hotel reservations, etc., 2021 DUES MUST BE PAID. Allow 5 business days following payment before qualifying for member rates.

Last day to pay dues and qualify:
August 20

1

Election of Officers

Candidates for two openings on the CNS BOD/Executive Committee - Councillors for the Northeast and Midwest - will be announced via *eConnections*.

30-day on-line balloting limited to Active Members in good standing (ie, 2021 dues paid)

2

Residents, Training Directors & Coordinators

Free Junior membership, with associated access & benefits, depends upon Training Programs submitting rosters (by July 9)

3

Pellock Seminar

Portal opens for PGY5/6 residents to sign up for John M. "Jack" Pellock Resident Seminar on Epilepsy.

Residents receive three paid hotel room nights and waived annual meeting registration fee. Virtual attendance will be available as well.

4

Reserved Sessions That May Fill Fast

Kenneth F. Swaiman Legacy Luncheon (600)

Child Neurology Foundation Symposium: The Diagnostic Odyssey (300)

Humanism in Medicine Breakfast: Global Health (100)

Clinical Investigator Boot Camp (80)

5



A Note of Thanks to the ABPN

On behalf of the CNS, we would like to thank the American Board of Psychiatry and Neurology (ABPN) for a generous \$100,000 grant in support of non-CNS member educational access in 2021 to the CNS Lifelong Learning website and annual meeting. Recognizing the disruptive impact COVID-19 has had and continues to have on continuing education and recertification plans for child and adult neurologists, the ABPN grant will enable all ABPN diplomates (whether or not they are CNS members) to access CNS remote self-assessment exams and CNS annual meeting CME content at member rates.

Phillip L. Pearl, MD
President

Roger Larson, CAE
Executive Director



50TH ANNUAL MEETING

CNS

SEPT 29-OCT 2, 2021

BOSTON • MASSACHUSETTS



PAST • PRESENT • FUTURE

Learning Objectives

The 2021 CNS Scientific Program

The CNS Scientific Program is designed by and is primarily intended for child neurologists and professionals in other fields of study related to neurologic and developmental disorders in children and adolescents. "As a result of attending this meeting the physician will be better able to care for children with neurological disease through an understanding of recent advances in neuroscience, neuro-diagnostics and therapeutics relevant to child neurology."

Accreditation Statement

This activity has been approved for AMA PRA Category 1 Credit™.

SESSIONS highlighted in red are designated for CME credit. Final determination of courses accredited and total # of credits approved will be available when registration opens in mid July.

PHILLIP L. PEARL, MD, PRESIDENT, CNS
CARL STAFSTROM, MD, PHD, CHAIR & YASMIN KHAKOO, MD, CO-CHAIR,
CNS SCIENTIFIC SELECTION AND PROGRAM PLANNING COMMITTEE



SICUT PATRIBUS SIT DEUS NOBIS

CIVITATIS REGIMINIS

BOSTONIA

CONDITA AD 1630

E DONATA AD 1723

Wednesday, September 29

8:00 AM - 11:00 AM

SYMPOSIUM I:

CHILD NEUROLOGY FOUNDATION: SHORTENING THE DIAGNOSTIC ODYSSEY IN CHILDREN WITH NEUROLOGIC CONDITIONS

Supported by the Child Neurology Foundation

Organizer:
Child Neurology Foundation

Welcome

Scott L. Pomeroy, MD, PhD
Harvard Medical School,
Boston Children's Hospital,
Boston, MA

Utilizing the Latest Information and Technology to Diagnose and Treat Neurologic Conditions

How a Whole Genome Sequencing Opportunity Impacted 25 Children, Caregivers and their Medical Providers

Anup D. Patel, MD, FAAN, FAES
Nationwide Children's Hospital,
Columbus, OH

Getting from Gene to Treatment and Disease-Specific Clinical Trials

Erika Augustine, MD, MS
Kennedy Krieger Institute,
Baltimore, MD



Possibilities with N of 1 Trials

Christelle Moufawad El Achkar, MD
Boston Children's Hospital,
Harvard Medical School,
Boston, MA

Participant Reflections

Break

How to Support Families Through the Journey

How to Handle the Various Journeys

Heather C. Mefford, MD, PhD
St. Jude Children's Research
Hospital, Memphis, TN

Empowering Families to be Advocates: Panel Discussion

Moderator:
Annapurna Poduri, MD, MPH
Boston Children's Hospital,
Harvard Medical School,
Boston, MA

Panel:
Anne Berg, PhD
Northwestern University Feinberg
School of Medicine, Chicago, IL

Louise Bier, MS, CGC
Columbia University,
New York, NY

Krista Harding
National Multiple Sclerosis
Society, Minneapolis, MN

Adam L. Hartman, MD
National Institute of Neurological
Disorders and Stroke, NIH,
Rockville, MD

Closing Comments & Next Steps

Scott L. Pomeroy, MD, PhD
Harvard Medical School,
Boston Children's Hospital,
Boston, MA

11:30 AM - 1:30 PM KENNETH F. SWAIMAN CNS LEGACY LUNCHEON

Welcome and Introduction

Phillip L. Pearl, MD
President, Child Neurology Society

Recognition of Past CNS Presidents

Recognition of Past CNS Secretary-treasurers and Councillors

Presentation of 2021 Arnold P. Gold Foundation Humanism in Medicine Award

Mary L. Zupanc, MD, FAAN, FAAP
University of California-Irvine,
CHOC Children's Hospital,
Irvine, CA

Recognition of Past Gold Humanism Award Recipients

Presentation of 2021 Roger & Mary Brumback Lifetime Achievement Awards

Robert J. Baumann, MD, FAAN,
FAAP; University of Kentucky,
Lexington, KY

Sidney M. Gospe, Jr, MD, PhD
University of Washington,
Seattle, WA

SESSIONS highlighted in maroon are designated for CME credit.
Agenda and amount of CME credits available are subject to change.



Recognition of Past Roger & Mary Brumback Lifetime Achievement Award Recipients

Recognition of Past Bernard Sachs Award Lecturers

Recognition of Past Hower Award Lecturers

Presentation of 2021 CNS/PECN Training Director Award

Miya Asato, MD
University of Pittsburgh,
Pittsburgh, PA

Recognition of Past CNS/PECN Training Director Award Recipients

Recognition of Past Phillip R. Dodge Young Investigator Award Recipients

Recognition of Past Outstanding Junior Member Award Recipients

Presentation of 2021 Outstanding Junior Member Awards

Rhandi Christensen, MD, PhD
Pediatric Neurology, University of Toronto, The Hospital for Sick Children, Toronto, ON

Darius Ebrahimi-Fakhari, MD, PhD
Boston Children's Hospital & Harvard Medical School,
Boston, MA

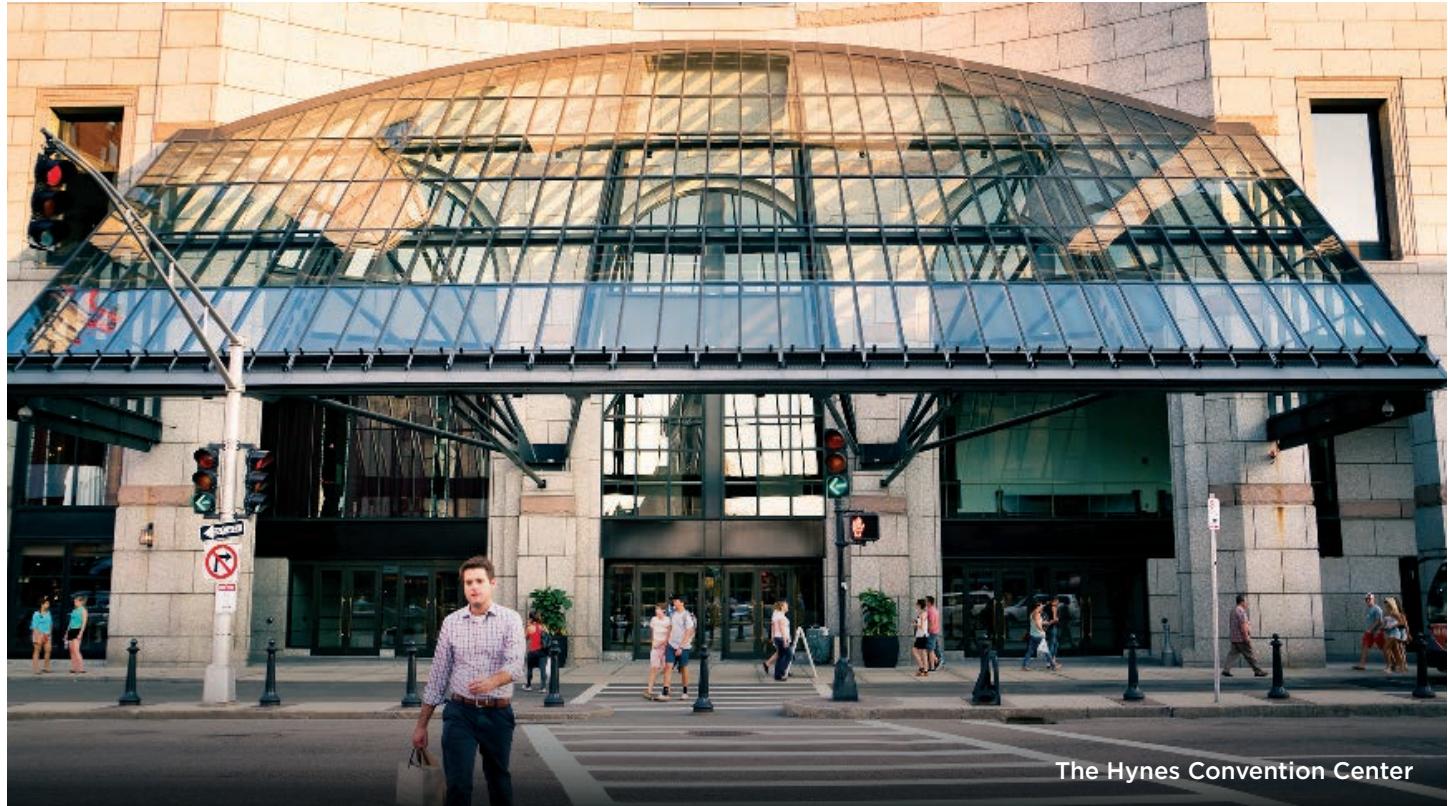
Laura Gilbert, DO, MBA
Washington University in St. Louis, St. Louis Children's Hospital, St. Louis, MO

Hannah Wellman, MD
University of Colorado, Aurora CO

Presentation of Outstanding Junior Member Award-Post Graduate

Eric M. Chin, MD
Kennedy Krieger Institute,
Johns Hopkins University School of Medicine, Baltimore, MD

Thiviya Selvanathan, MD FRCPC
The Hospital for Sick Children, Toronto, ON



Wednesday, September 29 • CONTINUED

Presentation of M. Richard Koenigsberger Scholarship Award

Jennifer Keene, MD, MS, MBA
Washington University in St Louis,
St Louis, MO

Presentation of Bhawan Garg High School Student Neuroscience Award

Meagan Ryan, Ossining, NY

2:00 PM – 5:00 PM PROFESSORS & EDUCATORS OF CHILD NEUROLOGY (PECN) MEETING

Organizer:
Nancy Bass, MD
Rainbow Babies and Children's Hospital, Cleveland, OH

PECN: Business Meeting (1 hour)

Introduction and Agenda

Nancy Bass, MD

CNS/PCN Leadership and Diversity Task Force Update

Rujuta Wilson, MD
UCLA David Geffen School of Medicine, Los Angeles, CA

Treasurer Report

Karl Kuban, MD
Boston University Medical Center, Boston, MA

Match Report

Leon Dure, MD
University of Alabama at Birmingham, Birmingham, AL

CNCDP-K12 Report

Brad Schlaggar, MD, PhD
Kennedy Krieger Institute, Baltimore, MD

Updates AAP Section of Pediatric Neurology

Tim Lotze, MD
Baylor College of Medicine, Houston, TX

Updates AAN Section of Child Neurology

David Mandelbaum, MD, PhD
Brown University, Providence, RI

Q & A

PECN: NEUROLOGY EDUCATION REBOOT: BEYOND THE PANDEMIC

(2 hours of CME Content)

Organizer:
Nancy Bass, MD

Development and Implementation of a Virtual Learning Curriculum

Jessica Goldstein, MD
Rainbow Babies & Children's Hospital, Case Western Reserve University School of Medicine, Cleveland, OH

CNS Electronic Communication Committee: Educational Tools/Case Studies/Pod Casts/Telemedicine Tool Kit

David Hsieh, MD
San Antonio, TX, USA

Introduction to the Neuroequity Coalition: Transitions into a Residency Curriculum

Deonna Reese-White, MD, MBA, Dell Medical School, Austin, TX

Roxanna Nahvi, MD
New York Medical College, New York, NY

Virtual Interviewing Season: Moving Forward Past the Pandemic

Margie Ream, MD, PhD
Nationwide Children's Hospital, Columbus, OH

2:15 PM – 3:30 PM SEMINAR 1: LESSONS LEARNED FROM ESTABLISHING AN ADULT TRANSITION CLINIC

Organizer:
Julia Frueh, MD
Boston Children's Hospital, Boston, MA



A Roadmap to Successful Transition in Neurology

Ann Tilton, MD, FAAN, FANA
Children's Hospital of New Orleans, New Orleans, LA

Hello from the Other Side – Lessons Learned from Building an Adult NDD Clinic from the Ground Up – Discussing Process and Impact

Jessica Sanders, MD
Children's Hospital Colorado, Denver, CO

Leveraging Strengths and Experiences – Teaching the Next Generation of Neurologists to Care for Adults with IDD through an Innovative Approach: NDD/Child Neurology

Attendings Supervised Adult Neurology Residents, while Adult Neurology Attendings Supervised Child Neurology/ NDD Trainees in a Collaborative Adult NDD Clinic

David K. Urein, MD, FAAN
Boston Children's Hospital, Boston, MA

2:30 PM – 3:30 PM

PLATFORM SESSION 1

2:30 PM – 2:45 PM

PL1-1: Bruckert et al

White Matter Properties of the Optic Pathway in Children with Neurofibromatosis Type 1 with and without Optic Pathway Gliomas

2:45 PM – 3:00 PM

PL1-2: Garcia et al

Clinical, Pathological, and Molecular Characteristics of Diffuse Spinal Cord Gliomas

3:00 PM – 3:15 PM

PL1-3: Song et al

Targeting USP7 as a Novel Treatment in Malignant Glioma

3:15 PM – 3:30 PM

PL1-4: Sansevere et al

Early Quantitative EEG Biomarkers of Cerebral Injury in Pediatric Cardiac Arrest

4:00 PM – 5:00 PM PLATFORM SESSION II

4:00 PM – 4:15 PM

PL2-1: Barks et al

The ALIGN Framework: A Parent-informed Approach to Prognostic Communication

4:15 PM – 4:30 PM

PL2-2: Selvanathan et al

Stroke Location and Size in Infants with Congenital Heart Disease and Neurodevelopmental Outcomes

4:30 PM – 4:45 PM

PL2-3: Christensen et al

Cerebral Sinovenous Thrombosis in Preterm Infants

4:45 PM – 5:00 PM

PL2-4: Cornet et al

Neonatal Encephalopathy following SSRI Exposure in the Third Trimester of Pregnancy: A Population-based Study

4:00 PM – 5:15 PM

SEMINAR 2: UPDATES IN PEDIATRIC COVID-19 FOR THE PEDIATRIC NEUROLOGIST

Organizer:

Grace Gombolay, MD
Emory University, Children's Healthcare of Atlanta, Atlanta, GA

Neuropsychiatric Symptoms and Cytokines in Pediatric COVID-19 Patients

Grace Gombolay, MD

Neurological Manifestations of COVID-19 in Critically Ill Pediatric Patients

Kerri LaRovere, MD
Boston Children's Hospital, Harvard Medical School, Boston, MA

Neuroimaging Features in Pediatric COVID-19 Patients

Susan Palasis, MD
Ann & Robert H. Lurie Children's Hospital of Chicago, Northwestern University Feinberg School of Medicine, Chicago, IL

6:00 PM-7:30 PM WELCOME RECEPTION

Financial support provided by 2021 Local Host, the Department of Neurology, Boston Children's Hospital

8:00 PM-10:00 PM MOVEMENT DISORDERS SIG

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Thursday, September 30

7:00 AM - 8:00 AM

PLATFORM SESSION III, IV & V

PLATFORM SESSION III

7:00 AM - 7:15 AM

PL3-1: Ebrahimi-Fakhari et al
Systematic Analysis of Brain MRI Findings in Adaptor Protein Complex 4 – associated Hereditary Spastic Paraplegia Reveals Patterns for Diagnosis and Disease Progression

7:15 AM - 7:30 AM

PL3-2: Deisseroth et al

Integrated Phenotypic and Mutational Approach Defines EBF3-related HADD Syndrome Genotype-phenotype Relationships

7:30 AM - 7:45 AM

PL3-3: Rouabhi et al

Initial pH and Eventual Cerebral Palsy Status and Phenotype: A Case-Control Study

7:45 AM - 8:00 AM

PL3-4: Gilbert L

Top 10 Areas of Research Need for People with Cerebral Palsy and Dystonia: A Novel Community-driven Agenda

PLATFORM SESSION IV

7:00 AM - 7:15 AM

PL4-1: Wellman et al

Multicenter Study of The Impact of Infections Including COVID-19 on the Incidence of Acute Inflammatory Demyelinating Polyneuropathy in Children

7:15 AM - 7:30 AM

PL4-2: Mallack et al

Early Natural History of Presymptomatic Childhood Cerebral Adrenoleukodystrophy

7:30 AM - 7:45 AM

PL4-3: Eichler et al

Outcomes in 51 Patients with Cerebral ALD from 2 Studies of Elivaldogene Autotemcel (eli-cel; Lenti-D) Gene Therapy

7:45 AM - 8:00 AM

PL4-4: Bonkowsky et al

Vitamin D Status & Latitude Predict Brain Lesions in Adrenoleukodystrophy

PLATFORM SESSION V

7:00 AM - 7:15 AM

PL5-1: Klein et al

Characterizing Pediatric Small-Fiber Neuropathy to Develop a Case Definition

7:15 AM - 7:30 AM

PL5-2: Baumer et al

Disparities in Receipt of Standard Treatment for Infantile Spasms: A Call to Action

7:30 AM - 7:45 AM

PL5-3: Numis et al

Inflammatory Cytokine Levels are Associated with Non-response and Relapse of Infantile Spasms

7:45 AM - 8:00 AM

PL5-4: Ciliberto et al

Palliative Epilepsy Surgery is not a Last Resort: Data from the Pediatric Epilepsy Research Consortium (PERC) Surgical Database

WELCOME & GENERAL SESSION

8:30 AM - 11:45 AM

**SYMPOSIUM II:
PRESIDENTIAL SYMPOSIUM:
THE CNS AT 50!
PAST, PRESENT, AND FUTURE**

Organizer:

Phillip Pearl MD
President, CNS
Harvard Medical School and Berklee Institute of Music, Boston, MA

Historical Development of Child Neurology

Stephen Ashwal MD
Loma Linda University School of Medicine, Loma Linda, CA

CNS State of the Union

Phillip Pearl MD
President, CNS



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The Future: Young Investigators

SIG Representatives:

**Studies in Developmental
Cognitive Neuroscience**

Alexander Li Cohen, MD, PhD
Boston Children's Hospital,
Boston, MA

Studies in Movement Disorders

Darius Ebrahimi-Fakhari, MD, PhD
Boston Children's Hospital,
Harvard Medical School,
Boston, MA

Studies in Epilepsy Genetics

Christopher J. Yuskaitis, MD, PhD
Boston Children's Hospital and
Harvard Medical School,
Boston, MA

Studies in Neuro-oncology

Verena Staedtke, MD, PhD
Johns Hopkins University
School of Medicine,
Baltimore, MD

From Pellock Fellow to Pellock

Faculty, Studies in Epilepsy

Giulia Benedetti, MD
Seattle Children's Hospital,
University of Washington,
Seattle, WA



Thursday, September 30 • CONTINUED

Round Table: Future Directions in Cerebral Palsy and Child Neurology

Moderator:
Bhooma Aravamuthan, MD, DPhil
Washington University in
St. Louis School of Medicine,
St. Louis, MO

Panel:
Young-Min Kim, MD
Loma Linda University,
Loma Linda, CA

Michael Lopez, MD, PhD
University of Alabama at
Birmingham, Birmingham, AL

Anusha Yeshokumar, MD
Icahn School of Medicine at
Mount Sinai, Bristol Myers Squibb,
New York, NY

11:45 AM - 6:30 PM
EXHIBITS & POSTERS
Exhibit Hall
Lunch served (12:00-1:00 PM)
Wine & Cheese (5:00-6:30 PM)

12:00 PM - 12:30 PM
CNS BUSINESS MEETING

1:00 PM - 2:15 PM
SEMINAR 3:
**THE BRAVE NEW WORLD OF
PEDIATRIC SPINAL MUSCULAR
ATROPHY - IMPLICATIONS OF
NEWBORN SCREENING AND
EFFECTIVE TREATMENT**

Organizer:
Erin E. Neil, DO
University of Michigan,
C.S. Mott Children's Hospital,
Ann Arbor, MI

**Practical Implications and
Considerations after
State-wide Initiation of
SMA Newborn Screening**
Erin E. Neil, DO

**The Clock is Ticking:
Challenges in the Timely
Choice of Treatment and
Implementation in the Pre-
Symptomatic Patient with SMA**

Richard Finkel, MD
St. Jude Children's Research
Hospital, Memphis, TN

**Ethical Considerations for
High-cost, Complex-to-
Administer Treatments in
Medically Fragile Patients**

Jim Dowling, MD, PhD
Hospital for Sick Children,
Toronto, Ontario, Canada



1:00 PM – 2:15 PM

**SEMINAR 4:
NEUROLOGIC IMPLICATIONS
OF YOUTH SPORTS
PARTICIPATION**

Organizer:

Sean Rose, MD

Nationwide Children's Hospital,
Ohio State University College of
Medicine, Columbus, OH

**Youth Sports for the Child
Neurologist: Benefits of
Sports Participation and
Health Disparities**

Meeryo Choe, MD

UCLA Mattel Children's Hospital,
UCLA David Geffen School of
Medicine, Los Angeles, CA

**Concussion and Repetitive Head
Impacts in Youth Contact Sports**

Sean Rose, MD

**Long-term Neurologic
Effects of Contact Sports and
Repetitive Head Impacts**

Jaclyn B. Caccese, PhD

The Ohio State University College
of Medicine, Columbus, OH

2:45 PM-3:15 PM

**MARTHA BRIDGE DENCKLA
AWARD LECTURE: DISEASE
TARGETED TREATMENT
TRANSLATION IN FRAGILE
X SYNDROME AND
NEURODEVELOPMENTAL
DISABILITIES: THE FIRST CHAPTER**

Elizabeth Berry-Kravis, MD, PhD
Rush University Medical Center,
Chicago, IL

3:15 PM – 5:30 PM

**SYMPOSIUM III:
NEUROLOGICAL MANIFESTATIONS
AND LONG-TERM SEQUELAE OF
PEDIATRIC COVID-19 INFECTIONS**

Organizer:

Laura A. Malone, MD, PhD
Kennedy Krieger Institute,
Baltimore, MD

**Introduction and Example
Case Presentations**

Laura A. Malone, MD, PhD

**Neurological Symptoms in
Children with PIMS-TS: Initial
Presentation and Follow-up**

(Presented with pre-recorded
talk and live Q&A)

Yael Hacohen, MD, PhD
University College London,
London, UK

**Neurological Manifestations
of COVID-19 Related Illness in
Hospitalized Children**

Ericka L. Fink, MD, MS
UPMC Children's Hospital of
Pittsburgh, Pittsburgh, PA

**Neuropsychiatric Presentation
in Pediatric COVID-19 Patients
Associated with Anti-neural
Autoantibodies**

Samuel Pleasure, MD, PhD
UCSF, San Francisco, CA

Claire Johns, MD
University of California San
Francisco, San Francisco, CA

4:00 PM – 5:15 PM

**SEMINAR 5:
CP TO YOU IS NOT CP TO ME –
STRATEGIES FOR MITIGATING
PRACTICE VARIABILITY IN
CEREBRAL PALSY CARE**

Organizer:

Bhooma Aravamuthan, MD, DPhil
Washington University in St. Louis
School of Medicine, St. Louis, MO

**The Past: Historical Origins of
Variability in CP Care**

Young-Min Kim, MD
Loma Linda University,
Loma Linda, CA

**The Present: Current Sources
of Variability in CP Diagnosis
and Management**

Bhooma Aravamuthan, MD, DPhil

**The Future: Suggestions for
Enhancing Cerebral Palsy
Education During Residency
and Beyond**

Jenny Wilson, MD
Oregon Health & Science
University, Portland, OR

5:00 PM – 6:30 PM

EXHIBITS & POSTERS REVIEW

(Wine & Cheese)

SESSIONS highlighted in maroon are designated for CME credit.

Agenda and amount of CME credits available are subject to change.



Friday, October 1

7:00 AM - 8:00 AM
EXHIBITS & POSTER REVIEW
(Continental Breakfast served)

7:00 AM - 8:00 AM
2021 CNS ARNOLD P. GOLD
HUMANISM IN MEDICINE
BREAKFAST

Supported by a grant from the Arnold P. Gold Foundation

**AWARD PRESENTATIONS &
GENERAL SESSION**

8:15 AM - 8:30 AM
CHILD NEUROLOGY FOUNDATION
SCIENTIFIC GRANT & AWARD
ANNOUNCEMENTS

8:30 AM - 9:00 AM
PHILIP R. DODGE YOUNG
INVESTIGATOR AWARD LECTURE:
COMMUNICATING NEUROLOGIC
PROGNOSIS: CHALLENGES AND
OPPORTUNITIES

Monica Lemmon, MD
Duke University School of Medicine,
Durham, NC

9:00 AM - 9:45 AM
BERNARD SACHS AWARD
LECTURE: GENE THERAPY
CHANGING THE OUTCOMES
FOR CHILDREN WITH
NEUROMUSCULAR DISEASE

Jerry Mendell, MD
Nationwide Children's Hospital,
Columbus, OH

9:45 AM - 12:00 PM
SYMPOSIUM IV:
PROGRESS IN CHILD NEUROLOGY
THROUGH THE LENS OF AN
NINDS CAREER DEVELOPMENT
PROGRAM: CNCDP, PAST
PRESENT AND FUTURE

Organizer:
Brad Schlaggar, MD, PhD
Kennedy Krieger Institute,
Baltimore, MD

NSADA and CNCDP:
Past Present and Future
Brad Schlaggar, MD, PhD
Kennedy Krieger Institute,
Baltimore, MD

Working Towards Inclusion in
Child Neurology Research
Erika Augustine, MD, MS
Kennedy Krieger Institute,
Baltimore, MD

From NSADA to the International
Pediatric Stroke Organization
Heather J. Fullerton, MD, MAS
UCSF Benioff Children's Hospital,
San Francisco, CA

Recently Funded
CNCDP Scholars

Translating Diagnostic
Techniques Across Species to
Better Understand Dystonia in
Cerebral Palsy

Bhooma Aravamuthan, MD, PhD;
MD, DPhil; Washington University
in St. Louis, St. Louis, MO

Turning Classical Lesion
Localization on its Head:
How Lesion Location can
be Used to Predict Patient
Outcomes

Aaron Boes, MD, PhD
University of Iowa, Iowa City, IA

Decision Making for Infants

with Neurologic Conditions

Monica Lemmon, MD
Duke University School of
Medicine, Durham, NC

Optimizing Cognitive and
Functional Outcomes Across
Populations: Insights from the
Neural Mechanisms of Exercise

Autumn Ivy, MD, PhD
University of California - Irvine
School of Medicine, Irvine, CA

Wrap up

Brad Schlaggar, MD, PhD



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Agenda and amount of CME credits available are subject to change.

12:30 PM – 1:45 PM

**SEMINAR 6:
 MEDULLOBLASTOMA, NEW
 CLINICAL AND TRANSLATIONAL
 INSIGHTS: THE PATH FORWARD**

Organizer:

Roger J. Packer, MD
 Children's National Hospital,
 Washington, DC

**Molecular Underpinnings of
 Medulloblastoma: Stratification
 and Clinical Implications**

Paul A. Northcott, PhD
 St. Jude Children's Research
 Hospital, Memphis, TN

**Intrathecal Therapies for
 Medulloblastoma and Other
 Embryonal Tumors: Use of
 Radiolabeled Monoclonal
 Therapies**

Kim Kramer, MD
 Memorial Sloan Kettering Cancer
 Center, New York, NY

**Results of Recently
 Completed Clinical Trials
 for Medulloblastoma and
 Implications for Future Studies**

Roger J. Packer, MD

12:30 PM – 1:45 PM

**SEMINAR 7:
 DISORDERS OF CONSCIOUSNESS
 IN CRITICALLY ILL CHILDREN:
 CURING COMA FOR THE
 DEVELOPING BRAIN**

Organizer:

Mark Wainwright, MD, PhD
 University of Washington School
 of Medicine, Seattle, WA

**Neuroscience of Consciousness
 and Implications for
 Neuroprotection**

Mark Wainwright, MD, PhD

**Causes of Altered Consciousness
 and Impact on Outcome**

Jessica Carpenter, MD
 Children's National Hospital,
 Washington, DC

**Functional Neuroimaging and
 the Diagnostic Assessment of
 Disorders of Consciousness**

Varina Boerwinkle, MD
 Barrow Neurological Institute
 at Phoenix Children's Hospital,
 Phoenix, AZ

**Ethical Implications of
 the Pediatric Definition of
 Consciousness**

Leon G. Epstein, MD
 Northwestern University
 Feinberg School of Medicine,
 Chicago, IL

12:30 PM – 1:45 PM

**SEMINAR 8:
 THE CRITICAL PERIOD OF
 MEMORY DEVELOPMENT:
 CONSTRUCTION, DESTRUCTION
 AND RECONSTRUCTION**

Organizer:

Gregory L. Holmes, MD
 University of Vermont Larner
 College of Medicine, Burlington, VT

**Role of Hippocampal Oscillations
 During the Critical Period of
 Memory Development**

Gregory L. Holmes, MD

**Alterations of Neuronal
 Dynamics as a Mechanism for
 Cognitive Impairment in Epilepsy**

Pierre-Pascal Lenck-Santini, PhD,
 INMED, Aix Marseille Université,
 INSERM, Marseille, France

**Enduring Memory Deficits after
 Early-Life Adversity: Epigenetics,
 Imaging and Intervention**

Tallie Z. Baram, MD, PhD
 University of California Irvine,
 Irvine, CA

2:15 PM – 4:30 PM

**SYMPORIUM V:
 DEVELOPING TREATMENTS FOR
 PEDIATRIC EPILEPSIES: FROM
 MODELS TO THE CLINIC**

Organizer:

Solomon Moshé, MD
 Albert Einstein College of Medicine,
 Bronx, NY

**Treating Epilepsies with
 Genetic Etiology: The Tuberous
 Sclerosis Example**

Michael Wong, MD, PhD
 Washington University in
 St. Louis, St. Louis, MO

**Somatic Mutations in
 Epilepsies with Cortical
 Malformations and Implications
 for Targeted Therapies**

Annapurna Poduri, MD, MPH
 Boston Children's Hospital,
 Harvard Medical School,
 Boston, MA

Friday, October 1 • CONTINUED

Towards a Syndrome-specific Preclinical Epilepsy Therapy Screening Pipeline for Infantile Spasms: Current State and Future Perspectives
Aristea S. Galanopoulou, MD, PhD
Albert Einstein College of Medicine, Bronx, NY

The Future of Pediatric Epilepsy Therapy Development: Biomarkers, Precision Medicine and Novel Trial Designs
Adam L. Hartman, MD
National Institute of Neurological Disorders and Stroke, NIH, Rockville, MD

2:15 PM – 4:30 PM
SYMPOSIUM VI:
THE TINY ELEPHANT IN THE ZOOM ROOM: HARNESSING A CRISIS TO RECOVER, MAINTAIN AND ENHANCE CAREER DEVELOPMENT IN CHILD NEUROLOGY

Organizer:
Keith Van Haren, MD
Stanford University School of Medicine, Palo Alto, CA

Data Talk on How COVID has Pulled Back the Curtain on Longstanding Challenges & Disparities in Caregiver Responsibilities

Keith Van Haren, MD

Challenges & Opportunities for Trainees with Caregiver Responsibilities
Yasmin Khakoo, MD
MSK Kids, Memorial Sloan Kettering Cancer Center, New York, NY

Challenges & Opportunities for Clinicians with Caregiver Responsibilities
Brenda Banwell, MD
Children's Hospital of Philadelphia, Philadelphia, PA

Challenges & Opportunities for Scientists with Caregiver Responsibilities
Nina F. Schor, MD, PhD
National Institute of Neurological Disorders and Stroke, Bethesda, MD

Q & A
Panelists:
Erika Augustine, MD, MS
Kennedy Krieger Institute, Baltimore, MD

Audrey C. Brumback, MD, PhD
Dell Medical School, The University of Texas at Austin, Austin, TX

Juliet K. Knowles, MD, PhD
Stanford University School of Medicine, Palo Alto, CA

Bradley Schlaggar, MD, PhD
Kennedy Krieger Institute, Baltimore, MD

5:00 PM – 6:15 PM
SEMINAR 9:
NEURO-HUMANITIES: NEUROLOGISTS AND NEUROLOGY IN ART, COMEDY, POETRY, AND MUSIC (WINE & CHEESE)

Organizer:
Phillip Pearl MD
Harvard Medical School and Berklee Institute of Music, Boston, MA

Comedy in Neurology, and Vice Versa

Joseph D. Pinter, MD
Oregon Health & Science University, Portland, OR

Neurological Symptoms Expressed in Art

Carl E. Stafstrom, MD, PhD
The Johns Hopkins University School of Medicine, Baltimore, MD

Neurologist as Poet and Neurology in Poetry

Nina F. Schor, MD, PhD
National Institute of Neurological Disorders and Stroke, Bethesda, MD

Neurological Problems of Musical Masters

Phillip Pearl MD

7:00 PM – 9:00 PM
GALA RECEPTION



SESSIONS highlighted in maroon are designated for CME credit.
Agenda and amount of CME credits available are subject to change.

Saturday, October 2

8:45 AM-9:30 AM

**HOWER AWARD LECTURE:
 MENTORS AND PROTEGES:
 STANDING ON THE SHOULDERS
 OF GIANTS AND FOLLOWING
 FOOTSTEPS INTO THE FUTURE**

Supported by a grant from the Hower Family Foundation

Jonathan W. Mink, MD, PhD
 University of Rochester,
 Rochester, NY

9:45 AM – 12:00 PM

**SYMPOSIUM VII:
 ARE WE POISED FOR A
 THERAPEUTIC REVOLUTION IN
 CHILD NEUROLOGY?**

Organizer:
 Louis T. Dang, MD, PhD
 Michigan Medicine,
 Ann Arbor, MI

Co-Organizer:
 Renée A. Shellhaas, MD, MS
 Michigan Medicine,
 Ann Arbor, MI

Introduction

Renée A. Shellhaas, MD, MS
 Michigan Medicine,
 Ann Arbor, MI

**Epigenetics and Brain Plasticity:
 Lessons from Rett Syndrome and
 other MECP2 Disorders**

Huda Y. Zoghbi, MD
 Howard Hughes Medical Institute,
 Baylor College of Medicine,
 Houston, TX

**Base Editing and Prime Editing:
 Precision Gene Editing without
 Double-strand DNA Breaks**

David Liu, PhD
 Broad Institute of MIT and
 Harvard; Cambridge, MA

**Individualized Therapies for
 Orphan Neurogenetic Diseases**

Tim Yu, MD, PhD
 Boston Children's Hospital,
 Boston, MA

**Clinical Trials for
 Gene-directed Therapies**

Erika Augustine, MD, MS
 Kennedy Krieger Institute,
 Baltimore, MD

**Summary and Looking
 to the Future**

Louis T. Dang, MD, PhD

**1:00 PM – 4:00 PM
 CNS CLINICAL RESEARCH
 ANNUAL WORKSHOP:
 2021 – PEDIATRIC NEUROLOGY
 CLINICAL TRIALS –
 INTRODUCTION TO THE SERIES**

Organizer:
 Ariel Maia Lyons-Warren, MD, PhD
 Baylor College of Medicine,
 Houston, TX

Co-Organizers:
 Gabrielle deVeber MD, FRCP(C)
 University of Toronto,
 Hospital for Sick Children,
 Toronto, Ontario, CA

Josh Bonkowsky, MD, PhD
 University of Utah School of
 Medicine, Primary Children's
 Hospital, Salt Lake City, Utah

Welcome

Ariel Maia Lyons-Warren, MD, PhD

**The Importance of Clinical
 Research and How to Get
 Involved**

Adam L. Hartman, MD
 National Institute of Neurological
 Disorders and Stroke, NIH,
 Rockville, MD

**Identifying Current Gaps
 in Research**

Renée A. Shellhaas, MD, MS
 Michigan Medicine, Ann Arbor, MI

Breakout Session

Coffee Break

**Protected Time: How to
 Break the Catch 22 Cycle**

Kristin P. Guilliams MD, MSCI
 Washington University School
 of Medicine, St. Louis, MO

**How to Design Clinic-Based
 Enrollment Studies**

Shafali Jeste, MD, FAAN
 Children's Hospital Los Angeles,
 University of Southern California,
 Los Angeles, CA

**Approaches to Funding:
 Beyond the NIH**

Erika Augustine, MD, MS
 Kennedy Krieger Institute,
 Baltimore, MD

Panel Discussion

Q&A

Saturday, October 2 • CONTINUED

1:00 PM – 4:00 PM

BIOMEDICAL WRITING WORKSHOP

Organizer and presenter:
E. Steve Roach, MD
University of Texas Dell Medical School, Austin, TX

Introduction: Why Manuscripts are Rejected

Shortcuts to Better Papers

Keeping Things Moving:
Combating Writer's Block

Break

Responding to Reviews and
Revising your Manuscript

Rules of the Road: Permissions,
Consents, and Other Potholes

Meet the Editors Q & A

SESSIONS highlighted in maroon are designated for CME credit.
Agenda and amount of CME credits available are subject to change.



The ship USS Constitution at the end of Boston's Freedom Trail as part of museum at the Boston National Historical Park.

Travel and Hotel Information



All CNS
Annual Meeting
registration on-line
beginning mid-July.

Hotel reservation link
provided with paid
registration.

HOTEL ACCOMMODATIONS

ON-LINE BOOKING FOR CNS ANNUAL MEETING BEGINNING MID-JULY

The CNS has reserved a block of rooms at the Sheraton Boston Hotel. A direct link to group rate reservations is available upon completion of paid meeting registration.

- Room Rates: Begin at \$299 (plus taxes)
- Link sent upon completion of paid registration

Hotel registration must be handled directly with the Sheraton Boston Hotel.

TRAVEL INFORMATION

Contact Travel Leaders at 763-231-8876 to take advantage of the many ways to save on meeting airfare by booking 60 days in advance (or more).

The travel professionals at Travel Leaders will find the very best combination of price and schedule to suit your specific needs.

Travel Leaders
T: 763-231-8876
E: kristine@tvlleaders.com

2021 CNS Annual Meeting Registration

This is NOT a registration form to fill out and return.
ALL registrations will be on-line with link posted on CNS website and sent to members via eConnections.

EARLY REGISTRATION: MID-JULY - AUGUST 31

	On Site	Virtual	Clinical Investigator Boot Camp	CNF Fee	Humanism Breakfast	Legacy Luncheon	Book Pickup On site	Book Shipped To You	eBook	TOTAL
			Capacity: 80		Capacity: 100	Capacity: 600				
Active Member	<input type="checkbox"/> \$650	<input type="checkbox"/> \$650	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Emeritus	<input type="checkbox"/> \$250	<input type="checkbox"/> \$250		<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Junior	<input type="checkbox"/> \$250	<input type="checkbox"/> \$250	<input type="checkbox"/> \$50	<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Resident/Trainee (Non-CNS Member)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Medical Student (CNS Member)	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50		<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Medical Student (Non-CNS Member)	<input type="checkbox"/> \$150	<input type="checkbox"/> \$150		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
ACNN Member (Nurse)	<input type="checkbox"/> \$250	<input type="checkbox"/> \$150		<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$25	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Nurse (Non-ACNN Member)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Non-CNS Member	<input type="checkbox"/> \$850	<input type="checkbox"/> \$850		<input type="checkbox"/> \$75	<input type="checkbox"/> \$75	<input type="checkbox"/> \$75	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Non-CNS Member (ABPN Board Certified)	<input type="checkbox"/> \$650	<input type="checkbox"/> \$650		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$75	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Program Coordinator Program		<input type="checkbox"/> \$250								
Guest Fee	<input type="checkbox"/> \$100									

REGISTRATION

ALL registrations will be on-line with link posted on CNS website and sent to members via eConnections.

REGISTRATION CONFIRMATION

- **E-mail confirmation only** (include address)
- Hotel registration and confirmation must be handled independently with the meeting hotel.

CANCELLATIONS AND REFUNDS

Registration may be cancelled with the following fees and penalties:

- All cancellations must be made in writing, via email and sent to registration@childneurologysociety.org.
- Cancellations received **on or before September 1, 2021** are eligible for a full refund less \$75 administrative fee. Cancellations received **after September 1, 2021** are not eligible for a refund.
- You can change your registration from the All Access/Live registration to the Virtual Only option at no additional charge. Please contact registration@childneurologysociety.org.
- In the event the CNS must cancel the live meeting due to unforeseen circumstances, CNS will automatically enroll all registration to a Virtual option or give the registrant the option of a full refund within 10 business days after the meeting cancellation. In the event of cancellation of any portion, or entire event, CNS does not assume responsibility for any additional costs, charges, or expenses; to include, charges made for travel and lodging.

SPECIAL NEEDS

We are committed to making this CME activity accessible to all individuals. If you need auxiliary aid(s) or service(s) as identified in the American with Disabilities Act, or have a dietary restriction, please describe your needs when registering on-line. Most requests can be accommodated if notification is received by August 31.

This is NOT a registration form to fill out and return.
ALL registrations will be on-line with link posted on CNS website and sent to members via eConnections.

REGULAR REGISTRATION: SEPTEMBER 1 - OCTOBER 3

	On Site	Virtual	Clinical Investigator Boot Camp	CNF Fee	Humanism Breakfast	Legacy Luncheon	Book Pickup On site	Book Shipped To You	eBook	TOTAL
			Capacity: 80		Capacity: 100	Capacity: 600				
Active Member	<input type="checkbox"/> \$750	<input type="checkbox"/> \$750	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Emeritus	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Junior	<input type="checkbox"/> \$350	<input type="checkbox"/> \$350	<input type="checkbox"/> \$100	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Resident/Trainee (Non-CNS Member)	<input type="checkbox"/> \$450	<input type="checkbox"/> \$450		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Medical Student (CNS Member)	<input type="checkbox"/> \$150	<input type="checkbox"/> \$150		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Medical Student (Non-CNS Member)	<input type="checkbox"/> \$250	<input type="checkbox"/> \$250		<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
ACNN Member (Nurse)	<input type="checkbox"/> \$350	<input type="checkbox"/> \$250		<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$50	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Nurse (Non-ACNN Member)	<input type="checkbox"/> \$450	<input type="checkbox"/> \$450		<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Non-CNS Member	<input type="checkbox"/> \$950	<input type="checkbox"/> \$950		<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$150	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Non-CNS Member (ABPN Board Certified)	<input type="checkbox"/> \$750	<input type="checkbox"/> \$750		<input type="checkbox"/> \$100	<input type="checkbox"/> \$100	<input type="checkbox"/> \$150	<input type="checkbox"/> \$100	<input type="checkbox"/> \$125	<input type="checkbox"/> \$100	
Program Coordinator Program		<input type="checkbox"/> \$350								
Guest Fee	<input type="checkbox"/> \$150									

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5 Things to Know About the New CNS Website

The main thing to know about the newly launched CNS website is that it's all about you.

There are dozens of different ways to point out how and why this is so (more than 2,300 ways if you count each CNS member whose myriad contributions make the CNS the special, close-knit collaborative society of professionals it is).

For now, let's focus on five things:

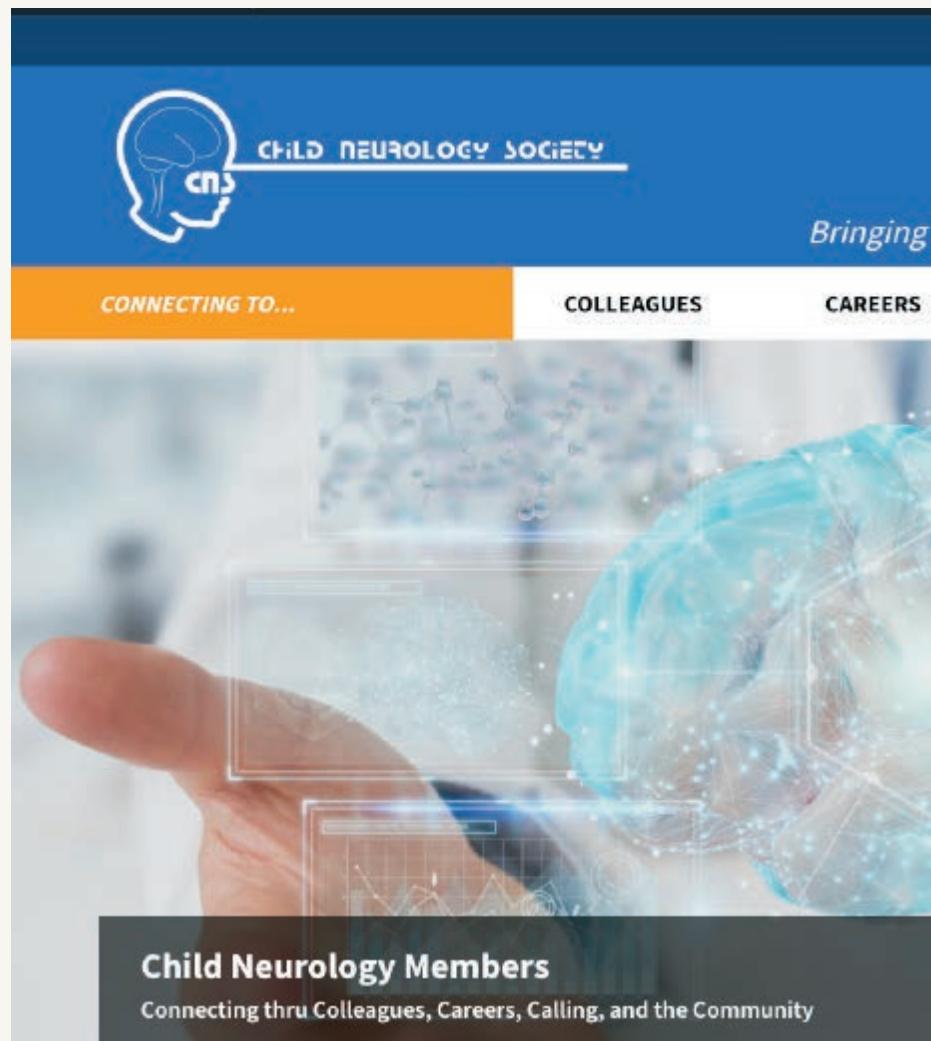
"Thing #1" and "Thing #2" are essentially responses to the Who, What, Where, When and How questions you ask throughout the day, every day.

1 CONNECTING TO COLLEAGUES

This is where you find out about the CNS Annual Meeting, read curated articles on colleagues of all ages and stages, connect to publications like past and current *CNS Connections*, *eConnections* and *Annals of Neurology*, or click links to partner organizations like the PECN and CNF.

2 CONNECTING TO CAREERS

This section is full of resources and tools needed to begin and build a career in child neurology at whatever age or stage you find yourself in. From ACGME and ERAS to MOC, CME, from a complete compendium of training programs to ever-changing job boards – it's all here. Highlights in this tab



include the return of popular Case Studies section, with 65 case studies collected by the CNS Electronic Communication Committee with new guidelines for current residents to submit new cases to be added monthly.

"Thing #3 and #4" are starting points for addressing the "Why?" questions you ask yourself at the end each day....or, maybe at the beginning and end (and, one hopes, the middle) of your career in child neurology: Why should I (why did I) go into child neurology? How is it or was it a calling? What larger community will I be, or am I now part of? What will I or do I get out of it? And how can I give back?

CNS Members Together to Make Children's Lives Better

The screenshot shows the CNS website's 'Calling' section. At the top, there are two tabs: 'CALLING' and 'COMMUNITY'. The 'CALLING' tab is active. Below the tabs is a large image of a brain with glowing blue nodes connected by lines, symbolizing neural activity or research. To the right of the image is a vertical sidebar with five white rectangular buttons, each containing a link: '2021 ANNUAL MEETING', 'MAINTENANCE OF CERTIFICATION', 'TRAINING PROGRAMS', 'POST A POSITION', and 'CNS LIFELONG LEARNING'. At the bottom of the sidebar is a dark blue banner with the text 'CNS CONNECT' in white, with a small fine print note below it.

3

CONNECTING TO CALLING

This is where you'll find curated profiles of past CNS Award recipients and memorials to giants in the field. The big feature here is the library of videos and podcasts: "CNS Conversations" with over 100 recorded conversations involving CNS members from A (Ashwal) to Z (Zupanc). A good place to start looking at this section is with the 15 videos featured in this issue of CNS Connections with pulled quotes from recording sessions at Boston Children's Hospital in February 2020. Our goal is to record and post videos featuring members representing the full spectrum of training programs, practice environments, research interests and career stages.

4

CONNECTING TO COMMUNITY

This is where you can connect to a panoply of partners in the larger child neurology community, from professional organizations (e.g. AAN, ANA, AES) to Non-Profit Disease Research and Support organizations (including NIH/NINDS and, most importantly, the Child Neurology Foundation), to the increasingly supportive and collaborative industry partners, starting with those providing much needed and appreciated support for CNS Annual Meetings.

Last, but certainly not least:

CORE REQUIREMENTS

Just one, really: Membership. It all comes down to Membership. It all comes down to you, beginning with, but not ending with paying membership dues which, in the new website we call "Contributions." Because, at bottom, that's what dues are: contributions members make in support of the combined efforts of all members to support every child neurologist's daily efforts on behalf of their patients. Membership renews annually upon payment of dues and expires with non-payment of dues (non-"Contributions").

The new website is all about you. It exists for you. It can't exist without you.

"CNS Conversations"

Child neurologists are trained listeners and natural talkers: the two ingredients for great conversations. The CNS has been capturing great conversations between colleagues and mentors at CNS meetings since the 40th Annual Meeting in 2011. In February 2020, I decided to "take it on the road," enlisting Nashville-based videographer, Richard Kearney in plans to visit 5-6 training programs around the country each year, starting with the host of this year's 50th Annual Meeting, Boston Children's Hospital. Two weeks after we left Boston and began plotting our next steps, COVID-19 shut everything down. "The rest," as they say, "is history"....and will no doubt be a part of the history we will capture on tape in future CNS Conversations.

Below is a sampling of conversations captured at BCH last year. If you and your training program are interested in capturing similar conversations for posting on the CNS website for colleagues to learn from and med students to use in deciding whether to go into child neurology and/or which training programs might be a good fit, send me an email. We will be going back on the road in 2022.

Roger Larson, CAE
Executive Director

ALEXANDER L. COHEN, MD

Research: Creating the Early Investigators Special Interest Group

Even just going and applying to the CNCDP program, going to their seminars, being part of that community, I felt to be tremendously impactful, even not being one of the sponsored, funded awardees. And I felt that this is an amazing resource and we should share this more broadly. Because there's only so much reach that their set of mentors can have. In talking to some of the folks that were there, both Tuan & Chris, who both went through the CNCDP program and now have their own independent funding outside of the program, we said "We should try to put together a larger network, not just people who have already identified mentors and are already submitting grants to the CNCDP, but folks that are still in medical school, folks that are still early in residency and may or may not have local mentorship. That shouldn't be a barrier to try to get into this field because as we all know throughout medicine, you're constantly moving from one institution to another, not required, but it does happen. ...We should put together a special interest group through the Child Neurology Society of people who are just interested in this pathway and don't know where to find resources." Right now a lot of the mentorship, a lot of access to resources is very idiosyncratic. (But) if you know where to look, if you know who to talk to, you can find a lot of resources. I've been collecting spreadsheets of weblinks and documents over the past couple



of years of things that I felt would be impactful for people. Together, we put together what I think is going to be a very interesting special interest group that people can become a part of and kind of spread the reach of things like the CNCDP.

DAVID COULTER, MD

History: Becoming a Child Neurologist in the 70s

I went to University of Notre Dame and really did a couple of things that really sort of opened up my mind to what eventually became a focus on humanism. It also got me interested in the brain, in neuroscience. I was a biology major. I loved bugs and worms. When I was getting ready to graduate, I applied to medical school and I wanted to do a MD, PhD. So, I applied and got accepted to the MD/PhD program at Yale. My intent when I went to medical school was to spend my entire career doing neurophysiological research on insect brains.



My first year in med school, the chairman of neurology organized a small group of several of first year medical students who were interested in neuroscience, and he would meet with us once a month to try to talk to us about what clinical neurology was about. At the end of my first year, during that summer, I spent a six-week clinical rotation doing clinical neurology as a medical student and I was hooked. I said, 'This is what I want to do'. So, I dropped out of the PhD program.

No more bugs. No more neuroscience. No more PhD. I wanted to become a clinical neurologist (I hadn't decided on child neurology quite yet).

I was fortunate, because at the time, the only pediatric neurologist at Yale was Peter Huttenlocher; this was 1970, before he went to Chicago. So, I went to Dr. Huttenlocher and said, "Would you be my advisor?" And he said "Yes." A little later I went back to him and said, "I want to become a child neurologist, but I want to take care of patients." And he said, "Well, David, I think you'll starve." That was 1972, the year the CNS was founded. There was not much of a role for clinical child neurologists back then."

BASIL DARRAS, MD **Research: SMA Breakthrough**

The reason my field has exploded is because the original work was done earlier (late 80s and 90s), so by the year 2000 the most important genes had been found. And from there on we had the era of translation...these are very, very important, but I'm one of those who believes that – they're very expensive, unfortunately – I think that we can have good results without having to spend so much money if we can identify carriers, parent carriers, before they have any children, and try to prevent SMA that way, the way Tay Sachs has been prevented. I think that's the best way, the most cost-effective way, particularly for countries where they cannot afford these expensive drugs.



DARIUS EBRAHIMI-FAKHARI, MD, PHD **Mentors and Mentoring: Finding Mentors**

I was fortunate. I think I have a broad network of mentors, both in Europe and the US. I think part of it is looking for people who you aspire to be, looking for role models, looking for people who are changing the science and the clinical medicine in child neurology. I think research



interests align. It's hard to describe a formal process, things happen and you meet people, people with mutual interest, people who inspire you, people who decide to mentor your career. I think in child neurology we're very fortunate because it's a small and very tight community. Even just being part of that community for a few years only, I feel like I have a good grasp on that field and there are a lot of very supportive people. It's a very supportive environment. And that's also an area where the Child Neurology Society plays a big role. I feel like I'm very fortunate to be in the ranks and in the field of so many great mentors.

APRIL LEVIN, MD, PHD **Research: Competition and Collaboration**

I like to ignore the competitive part. I see it, I know that it's there, but it's really hard to go into work each day and think that I'm competing against somebody else. I'm happy to go into work and think that I'm competing against a disorder – that works. But the friendships and the mentorships, that's what I enjoy.



Audrey (Brumback) also does research that's very much in line with what I do, but also different enough that we're not stepping on each other's toes, so any concerns about competition, I think it makes that piece a lot easier. She basically does the basic science version of what I do. So it's really nice, I can go to her with thoughts: "Hey, I came up with this idea; does this make any sense from a cellular standpoint?" and she'll tell me honestly. And she can do the same thing: "Hey we found this thing in a mouse; how would you look for this in a human?"

To view CNS
Conversations go to:



<https://www.childneurologysociety.org/calling/video-and-podcast-library/cns-conversations/>

"CNS Conversations" • CONTINUED

TOBIAS LODDENKEMPER, MD

Advice: Adult or Child Neurology?

I remember vividly one afternoon I was reading EEGs at Cleveland Clinic when I was at a turning point when I was ready to become an adult neurologist. I was reading a couple of boring adult neurology EEGs and then we had a couple of exciting child neurology EEGs, and one of the epileptologists, Dr. Elaine Wyllie, stepped up and told me, "Toby, you're a child neurologist." And she was correct. Child Neurology is just different. They're happier, they're friendlier people. It's more fun. It's more exciting than adult neurology, so the switch was really easy. And doing those five years in the scope of things was nothing.



Importance of national communities & meetings:

I found the child neurology society meeting for myself really launched my career. What we built around this concept of treating seizures and acute seizures is ultimately a national research effort that is looking into acute seizures and status epilepticus. That was actually founded at a CNS meeting. I basically reached out to many people by email that I knew were interested in the same field, actually extremely senior people as compared to myself. But they were remarkably approachable. When I emailed them they said 'Yes'. We exchanged emails: "Are you at the CNS meeting?" (Yes). "Do you have time to meet us in the room?" (Yes).

So I got a room through the Child Neurology Society and eight of the most prestigious SE researchers then, at that time, and still now, and me, 'a little Attending,' sat together in a room and decided 'we're going to solve this problem...We have been doing that since then. It's a national research group of 25 centers still led by those eight people who met in that room and they basically gave me unconditional support. There were minor grants involved, but ultimately all the mentorship they put into this will obviously never be recouped. I found just unconditional mentorship, friendship, collaboration, openness in the pediatric neurology and epilepsy field through those mentors, through the mentors here in this institution. Everybody was really welcoming, you just have to reach out a little bit.

To view CNS
Conversations go to:



[https://www.childneurologysociety.org/calling/
video-and-podcast-library/cns-conversations/](https://www.childneurologysociety.org/calling-video-and-podcast-library/cns-conversations/)

SCOTT POMEROY, MD, PhD

Research: Synergy Between Lab and Clinic

For myself, I carefully thought about what problem I wanted to take on that would enable me to bridge that gap (between lab and clinic)...I chose the problem of brain tumors, because I thought that whatever I learned in the lab had the potential of being applicable to treatment in a very short time. And what I did in the clinic informed what



I did in the lab. There was great synergy between laboratory research and the clinical process. It made it an advantage to be a physician, not a disadvantage. I wasn't taking time away from my research to do something else, I was doing something that enhanced my research. And once I got a good idea in research, that was clinically applicable, the way that cancer works, is it immediately expands to the national level through groups like the Children's Oncology Group. So I could be influential at a national level on biological questions because I was a valid member of the community, I was contributing cutting edge research to understand the basis of cancer and I could get my ideas incorporated into clinical trials that ultimately were implemented throughout all of North America, Australia and New Zealand. It was just a great way to be very expansive and cutting edge in a cross-discipline...I would encourage others going into research in child neurology: Take advantage of the fact that you're a physician, not make it a liability that you go off to see patients. See those patients, understand the problem deeply, then come back to the lab and find ways to make that knowledge drive your research and have that research inform your clinical practice.

MUSTAFA SAHIN, MD, PhD

Research: "Gamechangers" and Career Plans

I did think I was going to do mostly research, but I was envisioning that it would be mostly basic science research. I did not really envision myself doing clinical trials as a child neurologist. to be honest, because there were not that many options in child neurology. But the advances in neurosciences, the advances in genetics have opened this area completely...in a way that i wouldn't have imagined back in 2001 when I first started attending the



neurology conferences....We now have treatments that are disease modifying, changing the course of the patient's life, and in some cases (SMA) is life-saving. And there's going to be a number of mechanism based treatment trials, especially for genetic disorders; TS is one of them, ...This is a tremendously exciting time for child neurology because compared to 20, even 10 years ago the number of options that we have is amazing.



PHILLIP L. PEARL, MD AND ALEXANDER ROTENBERG, MD, PhD

Mentors and Mentoring: Both Phil and Alex were mentored and pivotally influenced by Greg Holmes. Phil noted that Alex also worked with some greats at Columbia and asked him to talk about training with Nobel laureate Eric Kandel.

Rotenberg: I did my PhD with Dr. Kandel. We worked on the basic mechanisms of memory, specifically spatial memory...I actually had the good luck to help Dr. Kandel make a couple of slides for his Nobel Lecture based on some work that we had done in the laboratory...I'm not as in touch as I'd like to be any more, but my understanding is that he's every bit as active as he was before. There's a feature of him that actually everyone recognizes: boundless energy. He seems to be present in the laboratory very much, very eager to reach out to new methods, to new colleagues; that's how I got to know him. Not afraid to dismiss even at times hypotheses that he's held onto. Which is a mark of good science. It's actually a mark of good medicine. That's actually something that I think many of us could carry with us, which is the concept of not necessarily being correct in our former impression of how things work. And that pertains to disease. It pertains to our own management. I think this is where science can help us carry a degree of objectivity in what we do.

Pearl: A big theme in the Child Neurology Society is 'connections'; it's even the name of the newsletter. And we're making all sorts of connections in the field. Part of it is corporate America, actually. The Society is seeing an explosion of interest by the private companies, which is helping us: they're coming to the meeting, they're supporting the meetings, they bring a lot of excitement and energy and enthusiasm. With you being

in technology and specifically in the therapeutic device space, you're probably having to live with this in ways that you see wonderful opportunities and challenges. I think a lot of us in the field are struggling with how to traverse those waters. Do you have any reflections on that?

Rotenberg: I think there are actually more opportunities than challenges. The reality is that for any investigator to have a discovery embodied eventually into a therapy we need smooth partnership with industry. Industry in parallel needs the contribution of academic medicine and academic neuroscience to develop hypotheses that can then be embodied into therapies. I think we can work very smoothly together. In fact we are. The reality is that there's an appreciable permeability in the membrane right now and its only becoming more permeable between industry and academia. We very realistically both need each other even though, if forced, we can work in isolation. But I think we really have at an intellectual level – and at a very practical level in terms of how do we get a new therapy to our patients for whom the present therapies are insufficient? – a very smoothly running relationship right now. And it's only getting better.

JANET SOUL, MD

Advice: Giving Bad News to Parents

We were thrown into it a bit more in my day because residents had more independence, they were less supervised by their Attendings. But it definitely is a craft and its one of those things that, you know, you have to read the situation and take the feedback from parents, good and bad, and find out what works. And everyone has their own personal style. I think the evolution goes: when you're very junior trying to figure out what's the right thing to say and you're very focused on the medicine and the neurology and getting all that right, to understanding what is it that parents really need to hear and want to hear. And that's so much more important than telling them exactly where the lesion is or what kind of disease this is...They need to know: What's my child going to go through? What's their experience going to be like? Are they going to have pain? What can I look for? What's the best-case scenario, the worst case scenario? And every family is different. Even today, I have to have this little adjustment every single time I meet a family and sort of figure out what's the best pathway to take through these difficult conversations. It's an art, and I think we each develop it differently and in our own way, but it's very much a gradual process.



"CNS Conversations" • CONTINUED

SARAH SPENCE, MD, PHD:

Advice: [After sharing a story about a chance encounter at UCLA involving neurogeneticist, Daniel Geschwind overhear her mention Martha Denckla, that led to a job and a career in the field of Autism, Sarah talked about career twists and turns.]

One thing that everybody has to think about is you have to do what you are interested in and what also kind of feeds your soul. Right? I really thought that adult neurology was going to be the thing for me and I would go on to do a fellowship in adult neurology. When I spent time on the peds floors instead of the adult floor at UCSF when I was

in med school, I realized it just felt better to be on the peds floor. To me that piece of explaining – I mean, that's what neurologists do a lot of: explaining – certainly these days we're doing more and more and more in the way of really mind-blowing treatment of things that we used to not treat. But, child neurologists still in a lot of ways are explaining what's happening in the brain and going on a journey with a family and kind of saying 'this is where we think we're going and this is where you want to get extra help for your child to maximize his or her potential.' And I realized I liked doing that. I like talking to people. I am not a proceduralist. That was not going to be my thing. So, really, talking to people and connecting with people and spending time with people, that felt right to me. And doing it with kids felt right to me. And then I think the other piece is you have to take those moments of having somebody walk by, or having a mentor who says 'Oh, I need help with this project.' We here at Children's do some sessions with our trainees about mentoring: how do you find the right mentor? And we talk a lot about the fact that it isn't necessarily always the project you wanted to do, but that experience might take you down a different road. And that's a great place to be. You can't always assume that in the beginning you're going to do exactly what you think you're going to do, and you have to let life take you into different places.

[Sarah also shared a story about Isabelle Rapin, worth repeating here]:

Isabelle was a force to be reckoned with. I think part of that was that she had to be in those days in a field that was completely dominated by men. She was very interested in behavior. She was especially interested in language. She had longstanding collaborations with speech and language professionals, really trying to understand the development of language.



I met her later in my career (long after residency). I was giving a talk at Hopkins at one of their developmental disabilities courses and was asked to talk right after Isabelle. And I remember getting up. I was so nervous about meeting her, but I kind of went and introduced myself again. I think I had met her once or twice at a meeting, but I introduced myself again. And her husband was there and we were talking about gardening, and so that was fun. And she spoke. And then I spoke after her and I said, "So, thank you very much that you let me go after Isabelle and not before her so that she couldn't correct everything that I said." And I got her to laugh. And I thought, OK, we're good; this is the start of a beautiful relationship. And it was.

DAVID URION, MD

Advice: Love or money?

It sounds sort of like probably not very big advice, but I think that what you have to love in whatever field you're thinking about doing, is the humblest part of what that is. Because the fascinating parts of anything fascinate all of us. I get really interested in really obscure neuroimmunologic, neuromuscular diseases, but in point of fact that's not what one spends most of one's time doing in those fields. So, for example, if you said that you were really interested in behavioral neurology but couldn't abide children with attention disorders, or for that matter, kids with autism, that would be a really disastrous choice, because that's the vast majority of what comes through the door on days when I'm seeing patients. So, I think you have to be in love with the humblest part or the most frequently encountered part of whatever field you espouse interest in.



And then I think that's the other thing: you *really* have to be in love with it. As the former head of Avis said: "There's only two reasons in this life to do anything: love or money." And child neurology in particular makes it really easy, because we can't be in it for the money, and so, therefore, you have to be in it for the love.

One of the great gifts we have as child neurologists is the fact that we get to know families deeply and intimately, sometimes in the worst moments of their lives, or the worst decades of their lives. But I think that is such an extraordinary privilege to be in that place. And so sometimes we need to remind each other what a privileged and really sacred space that really

is, to be with families as they make sense of their lives. The vast majority of people who have children with neurologic disease, this isn't what they signed up for when they were dreaming or imagining parenthood. But, it's what happened. So, the idea that we can be with them in that, I think, is one of the greatest antidotes to all that we talk about these days in terms of 'burnout' or 'moral distress'. I just think that we have this extraordinary place and to remember that, to just take a deep breath before you walk into any room, or somebody walks into your office and just remember what a privilege it is to stand in this space with families and their children. And then the fact that we can bring to bear beyond our empathy, our competence, our science, and our hope for giving them a different and possibly better future, I think again is just an extraordinary place of privilege that we have as child neurologists.

JOSEPH VOLPE, MD
Research: Neonatal Neurology

It really wasn't until around the turn of the century that the amount of research that was developing in child neurology in that area became very prominent. And yet, what happened is when we started neonatal neurology in around 1980, it was principally a neurological specialty in our field, but it stimulated the neonatologists such that now if you go to the Pediatric Academic Societies meetings, for example, there are literally hundreds of abstracts having to do with neonatal neurology and they're almost all from neonatologists. There are certainly still a fair number of child neurologists who are doing neonatal neurology, but that field is now dominated by neonatology. I don't think it's a bad thing. But I think that they bring to the table a certain skill set and we bring to the table a certain skill set, and we need each other.



I think, at least in the beginning, neurologists would go into a neonatal unit with a bit of an attitude that "these neonatologists only know about the lungs and the heart, they don't know much about the brain." But the fact is the neonatologists were looking at us and they were saying "these neurologists are coming in, taking care of these sick babies, and they don't know squat about respiratory disease which is causing all of this brain trouble." I think we have to recognize that we need each other.

It's amazing that when you think about true joint programs in North America, there's probably only two, UCSF and Toronto, that have true joint programs. The 1st edition of my book came out in 1980...40 years ago, and we still don't seem to have that. I would hope that maybe somehow that can still be stimulated.

CHRISTOPHER YUSKAITIS, MD, PhD
Mentors and Mentoring: Alan Percy and Leon Dure

They're actually the major reasons why I went into child neurology. I started in a lab and I actually did a rotation during my grad school portion in a lab studying Rett syndrome and during that time it got me interested in the condition, so I chatted with Alan Percy a few times and I was just blown away by his compassion, his care for patients and the families and just the nature of how he really crafted himself as a clinician.



Doing rotations with Leon Dure was probably one of the most entertaining parts of my med school training, just seeing how he's able to get a full neurological exam out of a child, which is difficult in itself, through observation, being able to find the subtlest details of neurological abnormalities, was fascinating to me, and I think that's what draws a lot of us to child neurology: this idea that it's not a one size fits all for all your patients, you have to really adapt to what you want.

To view CNS
Conversations go to:



<https://www.childneurologysociety.org/calling-video-and-podcast-library/cns-conversations/>

CONNECTING WITH PARTNERS

Professors & Educators of Child Neurology



Dear Colleagues,

Nancy Bass, MD | President, Professors & Educators of Child Neurology

I am very excited for our annual meeting of the newly renamed PECN: Professors & Educators of Child Neurology. This is going to be one special meeting considering the events of the past year and that it coincides with the 50th anniversary of the CNS. I am optimistic we will be able to meet in person in Boston but will also connect virtually if needed. This meeting is our opportunity to get together with child neurology, neurodevelopmental disability as well as fellowship program directors, program coordinators and chiefs as well. Here is a preview of great things to come:

The first hour is our annual business meeting. The agenda for this hour will include:

- An introduction to the CNS/PECN Leadership, Diversity, Equity and Inclusivity (LDEI) Task force headed by Rujuta Bhatt Wilson. This newly formed taskforce has been hard at work and has some important updates for us.
- Karl Kuban: treasurer's report.
- Leon Dure: NRMP Match report
- Brad Schlagger: CNCDP-K12 report.
- Tim Lotze will continue to share his wisdom with us as the past president of the PECN, but joins us for an update in his new role as the head of the AAP Section of Pediatric Neurology.
- David Mandelbaum: AAN section of child neurology

The second half of the meeting will be our CME portion with two hours of CME credit. Due to the COVID 19 pandemic, medical education was faced with the rapid transition of most of our traditional teaching methods to the world of virtual learning. This created opportunities for innovation and

reconsideration of how we can provide poignant educational experiences for all learners, from medical students to residents and fellows. Recruitment efforts were also transformed into the virtual space. Finally, the impact of systemic racism and inequities in healthcare were brought to the forefront during the pandemic as well as the critical importance of deliberately providing curricula and programs to support diversity, equity and inclusion in child neurology.

We will start the session with Dr. Jessica Goldstein updating us on use of a virtual learning curriculum continuing what we have learned beyond the pandemic. Dr. David Hsieh, who leads our Electronic Communications Committee will give us tour of educational tools, including case studies and podcasts and navigation of these on the new CNS website. He will also update us on CNS social media presence and how to use these platforms for the PECN. In addition, we have invited some amazing medical students, Deonna Reese-White and Roxanna Nahvi, who developed the NeuroEquity Coalition, showing how this can be a springboard for diversity, equity and inclusion into a training program. Finally, many national organizations recently announced the recommendation that interviewing remain virtual for the upcoming season. We are lucky to have Dr. Margie Ream present her work on the child neurology virtual interviewing season.

This is sure to be an exciting program!

Boston.... Here we come!



CONNECTING WITH YOUR FUTURE Personnel Registry

CNS PERSONNEL REGISTRY CALIFORNIA

PEDIATRIC EPILEPTOLOGIST

I am a PERMANENTE PHYSICIAN.

A dedicated doctor who believes in pursuing dreams, creating hope, and driving progress.

While every physician at the Southern California Permanente Medical Group has their own personal and professional ambitions, they all share a common vision: to transform the practice of medicine. Every day, they work hand in hand with each other and their patients to achieve outcomes that elevate the level of care across our organization and, ultimately, our nation.

PEDIATRIC EPILEPTOLOGIST

Opportunities in Southern California

The Kaiser Permanente Southern California Medical Group (SCPMG) is seeking a fellowship-trained board eligible/board certified Pediatric Epileptologist to join a well-established, growing group. We offer comprehensive multidisciplinary support across the region, including a Ketogenic Dietician, a full range of pediatric neurology and pediatric epilepsy services, as well as a well-balanced call schedule and working environment.

Within the Southern California Medical Group (SCPMG) we have:

A NAEC-accredited Level IV Pediatric Epilepsy Centers (Los Angeles)

Three Tertiary Care Medical Centers (Los Angeles, Orange County, San Bernardino County)

Three Pediatric Centers of Excellence (Downey, Los Angeles, San Bernardino County)

SCPMG is an organization with strong values, which provides our physicians with the resources and support systems to ensure they can focus on practicing medicine, connecting with one another, and providing the best possible care to their patients. In Southern California, you'll enjoy amazing recreational activities,

spectacular natural sceneries, and an exceptional climate.

SCPMG is proud to offer its physicians:

- An organization that has served the communities of Southern California for more than 65 years
- A physician-led practice that equally emphasizes professional autonomy and cross-specialty collaboration
- Comprehensive administrative support
- An environment that promotes excellent service to patients
- A fully implemented electronic medical record system
- An excellent salary, comprehensive benefits and partnership eligibility after 3 years

We invite you to make a difference in the communities we serve.

For consideration or to apply, please visit our website at <https://scpmgphysiciancareers.com/specialty/neurology/>.

For questions or additional information, please contact Michelle Johnson at 866-285-5438 or Michelle.S1.Johnson@kp.org. We are an AAP/EEO employer.

The Answer to Health Care in America.

PEDIATRIC NEUROLOGIST

I am a PERMANENTE PHYSICIAN.

A skilled practitioner who seeks to create high-quality outcomes through integrated care.

Every physician who is part of the Southern California Permanente Medical Group shares a passion for advancing the practice of medicine. We fuel that passion by creating a culture of innovation and collaboration, one where the quality of care we deliver is elevated by the accelerated resources we provide.

PEDIATRIC NEUROLOGIST Opening in Orange County, California

We are seeking a board eligible/board certified Pediatric Neurologist to join our Kaiser Permanente Orange County group.

This opportunity offers both outpatient and inpatient services with a well-balanced call schedule.

At SCPMG, you'll enjoy the amazing recreational activities, spectacular natural scenery, and exceptional climate our area is known for, along with stability in today's rapidly changing health care environment.

Kaiser SCPMG is proud to offer its physicians:

- An organization that has served the communities of Southern California for more than 65 years
- A physician-led practice that equally emphasizes professional autonomy and cross-specialty collaboration
- Comprehensive administrative support
- An environment that promotes excellent service to patients
- A fully implemented electronic medical record system
- An excellent salary, comprehensive benefits, and partnership eligibility after 3 years

If you believe in pursuing dreams, creating hope, and driving progress, then you're the very definition of a Permanente Physician.

For consideration or to apply, please visit our website at <https://scpmgphysiciancareers.com/specialty/neurology/>.

For questions or additional information, please contact Michelle Johnson at 866-285-5438 or Michelle.S1.Johnson@kp.org.

We are an AAP/EEO employer.

The Answer to Health Care in America.

CHILD NEUROLOGIST

Fulfilling the promise of medicine

The Permanente Medical Group, Inc. (TPMG) is one of the largest medical groups in the nation with over 9,000 physicians, 22 medical centers, numerous clinics throughout Northern and Central California, and an over 75-year tradition of providing quality medical care. We currently have the following opportunity available:

CALIFORNIA continued

CHILD NEUROLOGIST

Opportunity in Roseville, California

We are currently seeking a BC/BE Child Neurologist to join a group of Child Neurologists and Child Neurology RN Case Managers. Subspecialty expertise such as Epileptology (preferred), Neuromuscular, Neuroimmunology, Headache, or other is a welcome addition, but not required for this general child neurology position. We have a busy outpatient practice with strong ancillary support for video visits, telephone visits, and clinic visits in our Roseville hub and 7 satellite clinics in Northern & Central California. Our broad geographic coverage leads to care for a wide range of neuropathology. Inpatient call in our Children's Hospital (32-bed pediatric ward, 10-bed PICU, and 60-bed level 3 NICU) is one week in four.

You will join our vibrant 30+ Pediatric Subspecialty department family (11 medical and 6 surgical pediatric specialties) with whom we collaborate closely to integrate patient care. We are part of a larger regional group of Pediatric Neurologists and Surgical Pediatric Epileptologists in Kaiser Permanente Northern California. The right candidate will have a strong team mentality, broad exposure within pediatric neurology, excellent empathic bedside manner, and a desire to innovate Child Neurology care in a supportive environment.

Roseville is one of the North Valley's most prosperous cities and offers an idyllic location at the base of the Sierra Nevada foothills with a climate that's ideal for those who love to enjoy the outdoors all year long. Located an easy driving distance from some of California's most popular recreational attractions, including Lake Tahoe, Folsom Lake and the Napa Valley wine country, the region also offers affordable home prices, a reasonable cost-of-living, great schools and scenic surroundings.

A FEW REASONS TO CONSIDER A PRACTICE WITH TPMG:

- We are Physician-led and develop our own leaders.
- We can focus on providing excellent patient care without managing overhead and billing.

- We collaborate across specialties and medical centers.
- We have a very rich and comprehensive Physician Health & Wellness Program.
- We deliver culturally responsive, compassionate care to a diverse member population.
- We demonstrate our commitment to a culture of equity, inclusion, and diversity by hiring physicians that reflect and celebrate the diversity of people and cultures. We practice in an environment with patients at the center and deliver culturally responsive and compassionate care to member populations.

EXTRAORDINARY BENEFITS:

- Shareholder track
- Moving allowance
- Comprehensive medical and dental
- Home loan assistance - up to \$200,000 (approval required)
- Malpractice and tail insurance
- Three retirement plans, including pension
- Paid holidays, sick leave, education leave

To learn more about this opportunity or to apply, please visit: <https://tpmgpermanente.org/careers/>.

If you are interested, please contact: Judy Padilla, Regional Recruiter, Physician Recruitment Services, at: Judy.G.Padilla@kp.org or 510-625-5915. We are an EOE/AA/M/F/D/V Employer. VEVRAA Federal Contractor

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LinkedIn: /company/the-permanente-medical-group/

Twitter: @TPMGDocCareers

Instagram: @TPMGPrecruitment

Join us at one of the following meetings to learn about current opportunities and how you help shape the future of medicine.

- 7/21 - 7/24 - 2021 Pediatric Hospital Medicine Conference - <https://www.hospitalmedicine.org/event/phm20-virtual/>
- 10/8 - 10/12 - American Academy of Pediatrics (AAP) - <https://aapexperience.org/future-dates/>
- 10/20 - AAP Virtual Career Fair - <http://aapcareerfair.org/>
- 10/21 - 10/25 - Society for Developmental and Behavioral Pediatrics (SDBP) - <https://sdbp.org/meetingsinfo/annual-meeting/>

BENIOFF CHILDREN'S HOSPITAL OAKLAND DIVISION, DEPARTMENT OF NEUROLOGY

Benioff Children's Hospital Oakland Division, Department of Neurology

University of California, San Francisco School of Medicine

The Department of Neurology at UCSF is seeking board eligible/board certified Child Neurologists to join our Benioff Children's Hospital Oakland (BCHO) Division. The selected candidates will be appointed at the Instructor, Assistant, Associate, and full Professor ranks of the Health Sciences (HS) Clinical faculty series.

Formerly Children's Hospital Oakland, BCHO has delivered exceptional medical care to children from all regions of California for over 100 years. More than 2,600 staff and 550 physicians at BCHO care for more than 10,000 inpatients and 250,000 outpatients each year. Our trauma center is an ACS verified Level 1 Pediatric Trauma Center (one of only five in California) and is dedicated exclusively to caring for children, with over 400 air transports and 48,000 emergency room visits per year. The Benioff Children's Hospitals have over 30 pediatric sub-specialties and are ranked by *U.S. News & World Report* among the nation's "Best Hospitals".

Child Neurology is an integral part of the UCSF Pediatric Brain Center, and is a destination program bringing together physicians from all disciplines related to nervous system health in children. The San Francisco and Oakland Child Neurology and Pediatric Neurosurgery programs are integrating into one marquee service line spanning both campuses. Neurology faculty actively participate in the teaching of residents and medical students. Physicians may be involved in clinical research, clinical trials, as well as basic research and translational research.

Qualified candidates must possess a medical degree from an accredited medical school, medical license in the State of California, accredited residency training in Child Neurology, and Board eligibility or Certification in Neurology with Special Certification in Child Neurology at the time of appointment. Clinical interest and experience in treating epilepsy is also required due to the

high volume of epilepsy patients in our practice. Candidate's CV and/or cover letter must state qualifications (or if pending) upon submission.

Specific Responsibilities:

- Participation in shared 1 in 6 call coverage with the other members of the Oakland campus division
- Participation in training/supervision and clinical mentoring of residents and medical students
- Provision of patient care in the ambulatory and inpatient settings
- Provision of EEG interpretation

General Responsibilities:

- Participates as requested in quality improvement, utilization management, and other institutional initiatives
- Provides and/or serves as a resource for patient/family and staff education
- Provides accurate, complete and timely documentation of clinical services rendered using the Epic electronic health record
- Ensures communication with other specialists and primary care providers to facilitate patient care
- Participates in meetings/activities as required to support operations of the clinical area
- Participates in continuing medical education and other activities to maintain and enhance professional development
- Participation in scholarly and University service activities

Applicants must apply online at <https://apptrkr.com/2314783>, with a cover letter, CV, a statement of contributions to diversity, and the names, titles, and e-mail addresses of three peer references who we may contact directly. Applications received outside the online process will not be considered, but informal inquiries can be directed to Dr. Daniel Birnbaum, Chief of the BCHO Division, at DBirnbaum@mail.cho.org.

UCSF seeks candidates whose experience, teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence. The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual

orientation, gender identity, national origin, disability, age, or protected veteran status.

CNS PERSONNEL REGISTRY

FLORIDA

PEDIATRIC NEUROLOGY CHIEF – ASSOCIATE/FULL PROFESSOR

The Department of Pediatrics, Division of Neurology, at the UF Health College of Medicine seeks a full-time faculty member at the tenure or non-tenure accruing level of Associate/Full Professor to serve as Division Chief. Provide inpatient services to patients admitted to the Pediatric Neurology Service and the General Attending Service on a rotational basis with other divisional faculty. Teaching of house staff, fellows and medical students assigned to this inpatient and outpatient service. Develop a research program or work in collaboration with other researchers in an area of interest.

The University of Florida Department of Pediatrics is dedicated to improving the health of infants, children, and adolescents through world-class patient care, leading-edge research, patient advocacy and innovative medical education. The Department has demonstrated robust and continued growth over the past 10 years, with expansion of both clinical services and research infrastructure. UF Health Shands Children's Hospital is recognized as one of the nation's best hospitals for children, according to the 2020-21 US News & World Report rankings. As a hospital-within-a-hospital on the UF Health Shands Hospital campus, we offer care in more than 20 pediatric specialties and serve as the only quaternary-care academic pediatric center in north central Florida. For more information about the Department, please see the 2020 UF Health Pediatric Progress Report at www.UFHealth.org/peds2020report.

The Division of Pediatric Neurology currently includes 8 faculty and a residency program in child neurology with 5 residents. The Division serves a diverse spectrum of child neurology patients with a wide range of neurologic disorders from across Florida and the Southeast. The Division practices provide advanced care in several areas including epilepsy (NAEC

Level IV), stroke, neonatal neurology (Level IV NICU), neuromuscular disease, movement disorders, neuroimmunology, spasticity/cerebral palsy, and traumatic brain injury (Level I trauma center).

Faculty strive to provide a patient-centered approach, where care is focused on therapeutic options optimized for each patient. In addition to providing outstanding clinical care, the Division focuses on major research efforts that broaden the knowledge of pediatric neurological disorders and on the translation of novel research from the bench to the bedside to bring the most advanced therapies to every patient. The Division also seeks to provide outstanding educational opportunities for medical students, residents, and fellows.

The University of Florida is a particularly collaborative environment, with faculty working across divisions, departments, and colleges. The university has had a longstanding focus in neurology, neurosurgery, and neuroscience centered around the McKnight Brain Institute. Investigators within the Division of Pediatric Neurology have the opportunity to work closely with outstanding researchers within the Institute, as well as within other specialty areas in the Department of Pediatrics including Gene Therapy, Genetics and Metabolism, Neonatology, Neurosurgery, and Neuro-oncology. The location of the College of Medicine on the main university campus facilitates collaborations with colleges outside the College of Medicine.

Gainesville is a vibrant university community with diverse cultural and culinary offerings, easy access to nature, low cost of living, and no state income tax, all within 1-2 hours of renowned beaches and theme parks.

Qualifications:

The successful applicant must have a M.D. degree or equivalent, be licensed or eligible for licensure in the State of Florida, and be Board Certified/Eligible in Pediatric Neurology.

Contact:

Kristin Buch
buchkrl@ufl.edu

CNS PERSONNEL REGISTRY

ILLINOIS

PEDIATRIC NEUROLOGIST

AMN Healthcare has partnered with The University of Illinois College of Medicine Peoria (UICOMP) and OSF HealthCare Childrens Hospital of Illinois (CHOI) to identify a residency or fellowship trained Pediatric Neurologist to join their Division of Pediatric Neurology. Additional opportunities exist for individuals who are fellowship trained in Pediatric Epilepsy.

UNIVERSITY OF ILLINOIS COLLEGE OF MEDICINE PEORIA (UICOMP)

The incoming candidate will receive a faculty appointment with the University of Illinois College of Medicine Peoria (UICOMP). UICOMP is one of the three regional campuses of the University of Illinois College of Medicine, one of the largest public medical schools. UICOMP is part of a 900-bed hospital district containing two major teaching hospital systems as well as the medical school. UICOMP's educational programs include 244 medical students and 300 residents/fellows in 21 different post graduate programs. The Department of Pediatrics and OSF HealthCare Children's Hospital of Illinois, in collaboration with the Department of Neurology, have received approval to develop a pediatric neurology residency/fellowship.

UICOMP Department of Pediatrics

The Department of Pediatrics is one of the largest departments at UICOMP. In collaboration with OSF HealthCare Children's Hospital of Illinois, the Department has 19 divisions and over 145 faculty members providing general pediatrics and subspecialty services to the pediatric population of Central Illinois. OSF Children's Hospital serves as the subspecialty regional referral center for central Illinois.

The Department has 30 pediatric residents and 32 internal medicine/pediatric residents with their primary site for clinical and educational training at the OSF Children's Hospital.

OSF HealthCare Children's Hospital of Illinois

Recognized as a regional leader in central and downstate Illinois, OSF HealthCare Children's Hospital of Illinois is a 136 licensed pediatric bed, full-service children's hospital with more than 145 pediatric subspecialists in 40+ subspecialties. The OSF Children's Hospital has 64 neonatal beds, 8 level II nursery beds, 32 pediatric critical care beds, 16 pediatric oncology beds and 16 general pediatric beds with a swing unit that allows for up to 29 additional pediatric patients during peak census. OSF Children's Hospital is the pediatric teaching affiliate of UICOMP.

Qualifications:

Candidates must possess an MD, MD/PhD or DO, and have completed a Child Neurology Residency or Fellowship. Candidates must be board eligible and/or board certified in Neurology with special qualification in Child Neurology.

For more details on this opportunity, please contact Jeff Schroeder with AMN Healthcare.

Jeff Schroeder
Consultant
AMN Healthcare/AMN Leadership Solutions
jeffrey.schroeder@amnhealthcare.com

PEDIATRIC EPILEPTOLOGIST

The Division of Neurology in the Department of Pediatrics Northwestern University Feinberg School of Medicine seeks a full-time epilepsy faculty member at the rank of Instructor/Assistant/Associate Professor in the non-tenure eligible track. Responsibilities include coverage of the Epilepsy Monitoring Unit, the Epilepsy inpatient service and outpatient clinics. The candidate will also have the opportunity to participate in research in epilepsy. She/he will also partake in teaching of pediatrics residents, neurology and epilepsy fellows, and other trainees.

Qualified candidates must be an MD and board-certified or board-eligible in Neurology, with special qualifications in Pediatric Neurology in addition to Clinical Neurophysiology or Epilepsy training. The candidate must also be licensed in the State of Illinois to practice without restriction.

The start date is negotiable and the position will remain open until filled.

Website:

<https://facultyrecruiting.northwestern.edu/apply/MTA1NQ==>

Contact:

Meghan Jablonski
mjablonski@luriechildrens.org

CNS PERSONNEL REGISTRY

INDIANA

PEDIATRIC NEUROLOGIST

Peyton Manning Children's Hospital at Ascension St. Vincent is seeking a Pediatric Neurologist for our hospital in Indianapolis. Our ideal candidate will be comfortable with child neurology including epilepsy and inpatient and outpatient care.

Practice Highlights:

- Schedule: M-F 8am-5pm
- Call Schedule: 1 in 4 weeks, once every 4th night, 1:4 weekends
- Home to 300 Pediatric Specialists
- Largest level IV NICU and Pediatric ER in the state
- Opportunity to expand program and nationwide system referral base
- Full support of the world's largest catholic healthcare system
- The most specialized care in the state in one of the country's largest cities
- Physician-led organization
- Largest nonprofit health system in the country

Ascension St. Vincent offers a very competitive compensation package that includes: Competitive base salaries, Relocation allowance, CME, Comprehensive health benefits, Retirement savings plan (403b) with match, Malpractice with tail coverage and generous paid time off.

Peyton Manning Children's Hospital at Ascension St. Vincent is part of Indiana's largest not-for-profit health system with 22 ministries and over 3000 physicians. Features include: a free-standing tertiary care, pediatric hospital with 40 private inpatient beds and 6 short stay beds, staffed in-house 24/7 by our Pediatric Hospitalist group; a 23-bed PICU staffed 24/7 by Pediatric Intensivists; a 17-bed

Pediatric Emergency department staffed 24/7 by Pediatric Emergency physicians; and Indiana's largest Level IV NICU with 96 beds staffed 24/7 by Neonatologists.

Interested?

Ashley Smith, Physician Recruiter
ashley.smith10@ascension.org

CNS PERSONNEL REGISTRY

IOWA

PEDIATRIC NEUROLOGIST NEEDED AT BLANK CHILDREN'S HOSPITAL

Blank Children's Hospital is looking for a Pediatric Neurologist to join their team!

Joining a team of 3 Pediatric Neurologists

One RN/physician and 2 clerical staff to handle management of referrals, phone calls and preparing patient for clinic

Seeing a variety of neurologic disorders including headaches, seizures and more rare conditions ages 0-18 in both an inpatient and outpatient setting

EPIC EMR throughout the system

32 patient contact hours/week

Inpatient service and call shared with partners

Opportunity to provide outreach at UnityPoint Health affiliates

Remote read of EEGs for affiliates across the network

MD or DO

Board Certified or Board Eligible

Hold an unrestricted license to practice medicine in Iowa

Eligible to work in the United States

Website:

<https://www.unitypoint.org/blankchildrens/pediatric-specialist-in-neurology.aspx>

Contact:

Whitney Jacobson
whitney.jacobson@unitypoint.org

CNS PERSONNEL REGISTRY

MICHIGAN

CHAIR OF PEDIATRICS AT OAKLAND UNIVERSITY WILLIAM BEAUMONT SCHOOL OF MEDICINE AND BEAUMONT CHILDREN'S HOSPITAL

On behalf of Beaumont Health, Michigan's largest health system, and Oakland University William Beaumont School of Medicine (OUWB), CareerPhysician, the leader in academic pediatric executive search, is pleased to inform you of a national search for results-oriented candidates who will serve as the senior pediatric physician executive and academic thought leader for this dynamic health system. This is a transformative opportunity to lead in the establishment and implementation of the vision and strategic plan that will guide Beaumont Pediatrics into the future.

Beaumont Health is seeking a leader with the following attributes: accomplished in clinical care pathways; expertise in quality and patient safety; strong passion for medical student and resident education; high emotional intelligence with proven relationship development skills; strong financial and business development acumen; entrepreneurial skills and instincts; strong passion for community engagement and comfortable in a highly matrixed environment. Candidates must possess the level of academic accomplishment to receive appointment at OUWB at Associate Professor or Professor level and must hold a D.O. or M.D. degree and be either AOA or ABMS Board Certified in Pediatrics. All viable applicants must be eligible for permanent, unrestricted licensure in the state of Michigan.

Beaumont Health and OUWB believe that diversity and inclusion are integral to the success in serving the community and teaching the leaders of tomorrow. Beaumont Health and OUWB are strongly committed to advancing diversity. All underrepresented minorities and women physician leaders are encouraged to apply.

Key opportunity highlights:

- Opportunity to serve as Senior Physician Executive for the Pediatrics Clinical Care Program/Service Line and for Beaumont Medical Group.
- Lead the continued growth of an 18-section Department of Pediatrics with the support of an outstanding health system partner.

- Serve as Academic Chair of Pediatrics at OUWB with a rich opportunity to continue the development of fellowship programs in partnership with strong pediatric and med/peds residency programs.
- Beaumont Children's serves as the only Children's Miracle Network Hospital in southeast Michigan.
- Partner with a robust collaborative of over 200 referring community pediatricians, med-peds, and family medicine physicians to develop a dynamic primary care network.
- Build nationally respected primary and quaternary care programs with more than 130 employed pediatric subspecialists and general pediatricians at Beaumont Children's Hospital.
- Coordinate and expand Beaumont Children's specialty services which now provide 140,000+ patient across three main pediatric sites of care totaling 194-beds.
- Partner with an excellent maternal-fetal program that oversees 17,000+ deliveries in 8 health system hospitals.
- Opportunity to provide the foundation for network health outcomes and clinical trials programs.
- Opportunity to lead the development of an integrated pediatric network across the 8-hospitals of Beaumont Health and guide the collaborative conversations with other potential programmatic partners.

Application review will begin immediately and continue until the position is filled. Nominations and applications, including curriculum vitae and a cover letter stating qualifications and reasons for interest in the role, may be submitted to Marcel Barbey, Vice President, CareerPhysician, LLC, at Marcel@careerphysician.com.

All interactions will remain confidential, and no inquiries will be made without the consent of the applicant.

Beaumont Health is an equal opportunity employer. Applicants for employment whose qualifications are commensurate with anticipated job responsibilities and position requirements will be considered and treated equally without regard to race, color, religion, sex, national origin, age, weight, height, marital status, sexual orientation, veteran status, gender identity and/or expression, disability, or any other legally protected characteristic.

CNS PERSONNEL REGISTRY

MISSOURI

PEDIATRIC NEUROLOGIST – MERCY HOSPITAL

Mercy Children's Hospital in St. Louis is seeking a Pediatric Neurologist to join the established program within our affiliated Mercy Clinic in St. Louis County, Missouri.

About Mercy Children's Hospital:

- 98 bed NICU, 12 bed PICU, and 45 IP Pediatric beds
- Over 9,000 births annually, with 1,340 NICU admissions a year
- 24-hour in-house neonatology and pediatric hospitalist coverage
- Excellent pediatric anesthesia, radiology and pathology
- Powered by more than 700 pediatricians and family doctors in partnership with 125 pediatric specialists
- Over 22,000 pediatric emergency visits annually in our modern 12-bed unit
- High-risk Maternal/Fetal Medicine program
- Member of Children's Hospital Association
- Mercy Clinic Children's Heart Center

The successful candidate will:

- Have an outpatient clinic, provide inpatient care and perform EEG readings
- Receive practice management services
- Share call with the other Pediatric Neurologist
- Receive relocation assistance and malpractice coverage

Mercy hospitals and clinics are based in St. Louis County and surrounding communities near excellent neighborhoods, public and private schools, restaurants, hiking and biking trails, and more.

Mercy, a four-time IBM Watson Health top five large U.S. health system in 2019, 2018, 2017 and 2016, is a faith-based organization and serves millions annually. Located in seven states, Mercy is comprised of 40 hospitals and more than 2,500 Mercy Clinic physicians.

Mercy Clinic is a strong, physician-led and professionally-managed multi-specialty group. Today, Mercy Clinic is

ranked one the largest integrated physician organization in the country by SK&A, in the company of Kaiser Permanente Medical Group, Cleveland Clinic and Mayo Clinic.

Become a part of our legacy and help us build a healthier future.

For more information, contact:

Lisa Hauck, MBA | Senior Physician Recruiter
314-364-3840 | fax: 314-364-2597
lisa.hauck@mercy.net
Mercy.net/PedsCardiology | Mercy.net/MercyKids
EOE/AAs/Minorities/Females/Disabled/
Veterans Employer

MOVEMENT DISORDERS CHILD NEUROLOGIST

Children's Mercy Kansas City is seeking a board-eligible/certified child movement disorders neurologist to join a growing group of 21 faculty in the Department of Pediatrics, Division of Neurology. The movement disorders program currently consists of two child neurologists and a movement disorders ARPN.

Our division is committed to clinical excellence, education and research and is continuing to grow. Children's Mercy has very competitive salaries and benefits, in addition to excellent support among physicians and staff with high job satisfaction. Faculty members are affiliated with and have academic rank at the University of Missouri-Kansas City.

Here are some current highlights from our division:

- Robust Deep Brain Stimulator Program, with an average of 3-4 implants per year, approximately 30 patients actively being programmed
- Comprehensive Movement Disorders and Spasticity Clinic that includes Child Neurology, Pediatric Rehabilitation, Pediatric Orthopedics and Pediatric Neurosurgery
- Large Baclofen pump program managed by Pediatric Rehabilitation
- Established dorsal root rhizotomy program
- Established Botulinum toxin injection program managed by Pediatric Rehabilitation

- Largest Tourette Center of Excellence in the United States, that includes Child and Adolescent Psychiatry, Neuropsychology, Occupational Therapy, and a full-time Family Therapist
- Active research in Tourette Syndrome, Cerebral Palsy, Dystonia, Genomics, Clinical Pharmacology, and Neuroimaging
- Numerous subspecialty multidisciplinary programs, including: neonatal neurology, pediatric stroke, neuro-immunology, TS/NF, and epilepsy
- Research collaborations with our Genomic Medicine Center and the Division of Clinical Pharmacology, Toxicology and Therapeutic Innovation
- Robust pediatric resident and fellowship programs, including a child neurology residency, clinical neurophysiology fellowship and headache fellowship

The successful candidate should have a special interest in child neurology with expertise/interest in movement disorders. And the successful applicant must share our unwavering commitment to excellence, integrity, collegiality, antiracism, and respect for inclusion of individuals with diverse backgrounds.

Please apply with CV and cover letter:
<https://faculty-childrensmercykc.icims.com/jobs/14631/job>

Attention:

Ahmed T. Abdelmoity, MD, FAAP, FAES
Division Director

Children's Mercy Kansas City is an independent, non-profit, 366-bed pediatric health system, providing half a million patient encounters each year for children from across the country. Children's Mercy is ranked by *U.S. News & World Report* in all 10 specialties, and as one of Americas Best Children's Hospitals. We have received Magnet recognition five times for excellence in nursing services. In affiliation with the University of Missouri-Kansas City, our medical staff of more than 750 pediatric specialists and researchers is actively involved in clinical care, pediatric research and educating the next generation of pediatricians and pediatric subspecialists. The Children's Mercy Research Institute recently completed construction on a new

9 story research building that includes wet and dry labs. For more information about Children's Mercy Kansas City and about Kansas City itself, visit <http://www.childrensm mercy.org>

Kansas City is a thriving cultural and economic city with more than 2 million residents. Our city's long list of attractions includes world class museums, a vibrant arts scene, professional sports, superb shopping, great jazz clubs, and the best places to enjoy barbecue! The city offers low cost-of-living, excellent commute times, and a vibrant downtown, eight-block dining, entertainment and shopping district. Kansas City offers excellent opportunities for both public and private school venues and is home to several colleges and universities. It's a community with a heart friendly, easy-going and forward-thinking a great place to live and pursue a career.

EEO Employer/Disabled/VET

CHILD NEUROLOGIST

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Here are some current highlights from our division:

- Level IV comprehensive pediatric epilepsy center with eight pediatric epileptologists, four pediatric neurosurgeons, ROSA sEEG capabilities and eight-bed EMU
- One of the largest ketogenic diet programs in the country
- Active VNS program
- Comprehensive Headache program, including a headache relief clinic where treatment is tailored to each patient using novel approaches such as acupuncture, biofeedback and in-clinic DHE infusions

- The only exclusively pediatric Tourette Center of Excellence, designated by the Tourette Association of America
- Very successful pediatric DBS program within our growing movement disorder program
- Numerous subspecialty multidisciplinary programs, including: neonatal neurology, pediatric stroke, neuro-immunology, TS/NF, and spasticity to name a few
- Research collaborations with our Genomic Medicine Center and the Division of Clinical Pharmacology, Toxicology and Therapeutic Innovation
- Robust pediatric resident and fellowship programs, including a child neurology residency, clinical neurophysiology fellowship and headache fellowship

The successful applicant must share our unwavering commitment to excellence, integrity, collegiality, antiracism, and respect for inclusion of individuals with diverse backgrounds.

Please apply with CV and cover letter:
<https://faculty-childrensm mercykc.icims.com/jobs/13231/job>

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EEO Employer/Disabled/VET

CNS PERSONNEL REGISTRY

NEVADA

PEDIATRIC NEUROLOGIST

Exciting opportunity to join and help grow the only pediatric neurology practice in town!

Due to expansion, we are seeking an additional BC/BE pediatric neurologist to join a successful, well-established group providing pediatric neurology services to Las Vegas and surrounding communities for nearly 25 years. In addition to serving patients through local offices, the practice provides pediatric neurology services to three regional hospitals including Sunrise Children's Hospital, Mountain View Hospital and University Medical Center of Southern Nevada. The practice is supported by EEG techs and medical assistants.

The suburbs of Las Vegas are very family friendly. Housing is reasonable, there is no state income tax, property taxes are very low and outdoor activities are endless and incredible. The weather is fantastic and there are actually some great restaurants. If you are into hockey, football and baseball, we have you covered with professional sports teams. For water activities, check out Lake Mead.

Mednax Services, Inc. is a national medical group. Over the last 40 years, through our network of over 3,500 clinicians in 39 states and Puerto Rico, we have reshaped care delivery within women's and children's specialties and

NEVADA continued

subspecialties. Our clinical teams care for the unique population of high-risk pregnancies and critically ill infants and children in both hospital and ambulatory clinical settings. Over the years, clinicians practicing as part of Pediatrix™ and Obstetrix™ Medical Groups have used evidence-based tools, continuous quality initiatives, clinical research, and telemedicine to enhance patient experience, outcomes and provide high-quality, cost-effective patient care. Our nationwide team of almost 8,000 employees, including physicians, advanced practitioners, clinical leaders, business and operational experts, work together every day to fulfill our mission to take great care of the patient®. We invite you to join the Mednax family and help shape the future of health care.

MEDNAX is an Equal Opportunity Employer

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability or veteran status.

Apply Here: <https://www.click2apply.net/g26znKir7RQaiWqahNzBB>

PI137498741

CNS PERSONNEL REGISTRY NEW JERSEY

PEDIATRIC NEUROLOGIST

Goryeb Children's Hospital at Morristown Medical Center is seeking a Pediatric Neurologist.

Goryeb Children's Hospital ranks (UHC) in the top 10% of children's hospitals nationally for pediatric quality and safety, serving 5 million population area across 11 counties.

The board-eligible/certified child neurologist will join our team of four neurologists and three epileptologists. Our epilepsy program has a NAEC Level 4 designation, and we have strong

programs in neurodevelopment/autism (with four developmental pediatricians that are part of the division), neuro-oncology, headache, and neuromuscular. This is the largest consolidated neurology and child development division in New Jersey and the division is led by Dr. Bernie Maria, who was awarded the 2018 Hower Award, the highest honor in the field of child neurology.

We seek an energetic clinician and educator who is highly collegial, innovative and patient-centered. With several outstanding 4 pediatric neurosurgeons operating in our facilities, and with a strong genetics program, we see the broadest possible array of neurological conditions in children.

We are confident that you will find success within the Atlantic Health System, which has been named for the 12th year in a row to Fortunes Top 100 Best U.S. Companies to Work For list. Here, you will find a collaborative culture.

Goryeb Childrens Hospital is an 86,000 square foot facility at Morristown Medical Center (2020-21 USNWR #1 NJ Hospital) with facilities at Overlook Medical Center in Summit, NJ and 4 other subspecialty satellite locations. With over 250 pediatricians and 100 pediatric subspecialists from 22 different specialty areas, we offer comprehensive pediatric services. An independent pediatric residency training program exists with 38 residents, medical students on regular rotation, and status as a regional campus of the Sidney Kimmel Medical College at Thomas Jefferson University.

Physicians are part of Atlantic Medical Group, a physician-led and physician-governed organization that delivers the highest quality health care, at the right place, the right price, and the right time.

Extraordinary benefits Generous Paid Time off, Competitive Compensation, Continuing Education benefits.

Historic Morristown is a vibrant and upscale suburb with direct access to New York City.

For additional details, please contact:

Amber Almeida

908.842.669

amber.almeida@atlantichealth.org

PEDIATRIC NEUROLOGIST

St Joseph's Health

The opportunity is to join the St Joseph's Children's Hospital in Paterson New Jersey. St. Joseph's Health is comprised of St. Joseph's University Medical Center and St. Joseph's Children's Hospital on the Paterson campus, St. Joseph's Wayne Medical Center, on the Wayne campus, St. Josephs Healthcare and Rehab in Cedar Grove, and Visiting Health Services of New Jersey.

St. Joseph's Health is the largest employer in Passaic County, the third largest provider of charity care in New Jersey, and the health care provider of choice for the residents of the region.

St. Josephs Health is once again ranked as one of the best hospitals in the New York Metropolitan Area and among the top 10 in the State of New Jersey by *U.S. News & World Report* for 2016-17. The annual U.S. News Best Hospitals.

<https://www.stjosephshealth.org/home-page-articles/item/1874-us-news-world-report>

Practice Opportunity: Pediatric Neurology

The incoming Pediatric neurologist will work a full-time schedule and will have the opportunity to do research and teach. There are multiple practice locations for neurology services including Paterson, Wayne and Paramus. The practices operate 5 days per week, with rotation to all three locations each week. Call rotation is 1:3. Approximately 10-20% of time can be devoted to teaching/research.

Our Inpatient and Outpatient service treats children and young adults (birth through 21 years of age) and works with their families to diagnose and manage a full range of neurologic conditions, such as:

- Seizure and Epilepsy
- Headache, Concussion and Head Trauma
- Developmental delay and Autism
- Neuromuscular disorders, hypotonia, spasticity
- Cerebral Palsy and Stroke

Our procedural, testing and counseling service includes:

- Autonomic Testing

- Neurocognitive Testing CNS VS/IMPACT
- Botox Therapy to manage spasticity and chronic migraines
- Video/Ambulatory EEG Testing
- Patient education and training
- Nutritional services
- Social work counseling

Our approach is multidisciplinary and tailored to each individual's medical and developmental needs. Our team includes:

- Board-certified Pediatric Neurologist, and Epileptologist
- Nurse practitioner
- Social workers
- Nutritionists
- Rehabilitation services

The Offer:

- Employed by St. Josephs Health
- Earning potential is \$250,000 plus
- Health and Dental
- 403B Retirement
- Life and Disability Insurance
- 7 holidays
- One week for CME and \$2500 CME Allowance

Malpractice

The Candidate:

- Board Certified Pediatric Neurologist

Dr Michael Lamacchia MD is the Chairman for the Department of Pediatrics and Dr. Poorvi Patel is the Section Chief of Neurology.

If interested, please submit your CV to Janet Bowen, Director Saint Joseph's Health Childrens Hospital, via email at bowenj@sjhmc.org or call 973-754-2282.

CNS PERSONNEL REGISTRY

NEW YORK

CHILD NEUROLOGIST – NYC SUBURB – LEVEL 4 EPILEPSY CENTER

Boston Children's Health Physicians is looking for 1-2 board certified pediatric neurologists at the Assistant or Associate Professor level. Our division is part of a dynamic group of pediatricians and pediatric subspecialists in the New York

Hudson Valley. This position also includes appointments at New York Medical College and Westchester Medical Center/Maria Fareri Children's Hospital, in Valhalla New York, a Level 4 Epilepsy Center.

We are looking for team players who are interested in joining our current group of 5 pediatric neurologists and one NP. The applicant should have interest in both inpatient and outpatient pediatric neurology. While we have an interest in EEG and epilepsy trained neurologists, those interested in general pediatric neurology and other pediatric neurology sub-specialties are also strongly encouraged to apply.

This a full-time position with competitive compensation and benefits.

Requirements:

- Valid New York medical license
- Board Eligible/Certified
- General Pediatric Neurology, all subspecialties are welcomed
- Evening call coverage and weekend call and hospital coverage on rotation basis

Interested applicants please contact:

Patricia Bowker Pediatric Neurology Manager

914-358-0188

Patricia_Bowker@BCHPhysicians.org

PEDIATRIC NEUROLOGY ATTENDING

Metro New York City | Bi-lingual Helpful

We invite you to exercise your creative mind.

To suggest process improvements and to further build and enhance our neurology practice. Our hospital prides itself in supporting your way of thinking and motivating, teaching, and evaluating students and residents in the program. We look to employees who present fresh options that help keep us ahead of the curve, and if you can help us stay there, we want to talk with you!

We are a major hospital in New York City area with a strong commitment to our multi-cultural patients and the community. Our fully accredited pediatric residency program needs an innovative thinking BE/BC Pediatric Neurologist to handle the important tasks of providing clinical care to

both in-out patients, teach and evaluate students/residents; conduct process improvements and participate in call duties.

Your qualifications must include graduation from an Accredited Medical School, and current and valid NYS License to practice medicine. Successful completion of resident training in Pediatric Neurology with Fellowship in Epilepsy is preferred.

Mutual support brings out the best in all of us

Work with confidence, knowing that co-workers will step in to help when you need it. Just bring us your all, and we'll give you our all. When you need a hand, a bit of advice, an ear for your important input, you'll experience support that will lift your morale and empower you to be your best. Join us.

We offer a competitive compensation package.

Contact:
pn@confidentialreply.com

CHILD NEUROLOGY OPPORTUNITY AT ALBANY MED

Child Neurology Opportunity

The Department of Neurology at Albany Medical College seeks BC/BE Neurologists to expand the Division of Pediatric Neurology. Applicants with an interest in general child neurology as well as those with fellowship training in epilepsy to expand the services offered by our comprehensive epilepsy center are both welcome. Albany Medical Center, the only academic medical center in northeastern New York, is a private, non-profit organization serving over 3 million people. The Department of Neurology has established programs in epilepsy, dementia, movement disorders, neuromuscular disease, pediatric neurology, pain management and stroke/neurocritical care. Successful applicants will have a commitment to patient care and supervision of medical students and residents, and a desire to work in a collaborative environment with neurology and pediatric colleagues.

NEW YORK continued

Albany Medical College is part of Albany Medical Center, northeastern New York's only academic health sciences center, which includes Albany Medical Center Hospital, one of upstate New York's largest teaching hospitals. Located at the heart of New York's Capital Region, Albany is a culturally and environmentally diverse area. The Capital Region offers great opportunities for professionals and families.

Please send inquiries and a C.V. to:
Valerie D'Aloia
Physician Recruitment Coordinator
Albany Med Faculty Physicians
(518) 262-1333
Fax: (518) 262-6996
daloia@mail.amc.edu

To learn more about the capital region please visit www.amc.edu/greatplace

Albany Medical College is a private institution and a non-discriminatory AA/EEO (minorities and women are encouraged to apply).

without regard to race, color, religion, gender, sexual orientation, gender identity, national origin, age, protected veteran status or disability status.

Website:
<https://www.ccsnc.net/careers>

Contact:
Elizabeth Harris
elizabeth.harris@ccneo.net

productivity incentives. The Department offers faculty development and mentoring program designed to help faculty succeed in translational or basic research.

The Cleveland area offers an incredible quality of life with a growing economy, rich cultural scene with ballet, theatre, symphony, opera and museums, outstanding restaurants, and a moderate cost of living. The city is well-known for its sports teams and incredible metro park system for any outdoor enthusiast.

To learn more about Cleveland, Ohio, visit <http://www.thisiscleveland.com/>

Interested individuals can apply for the position by sending their cover letter and curriculum vitae to Asim Shahid, MD at Asim.Shahid@UHHospitals.org. For additional information about the position, please contact him by email at Asim.Shahid@UHHospitals.org.

Rainbow Babies & Children's Hospital is a patient focused center distinguished by collaboration, excellence, leadership, and respect. We value candidates who are committed to fostering and furthering the culture of compassion, collaboration, innovation, accountability, diversity, integrity, quality, and trust that is integral to our mission To Heal. To Teach. To Discover.

CNS PERSONNEL REGISTRY

NORTH CAROLINA

PEDIATRIC NEUROLOGIST

Excellent opportunity for a full time Pediatric Neurologist to join Coastal Children's Services (CCS) to provide care to infants and children in communities throughout southeastern North Carolina. CCS is a growing pediatric subspecialty practice located in the coastal city of Wilmington. This position offers the potential for a clinical academic appointment through the University of North Carolina Chapel Hill. Opportunities for clinical research are also available for those who are interested. This position is based at the outpatient clinic but provides inpatient consultations at the women's and children's hospital located nearby. Candidates must be board eligible/certified in pediatric neurology, with preference given to individuals with sleep study interpretation experience.

CCS is an Equal Opportunity/Affirmative Action employer and will consider all qualified applicants for employment

CNS PERSONNEL REGISTRY

OHIO

PEDIATRIC NEUROLOGIST

Academic Pediatric Neurologist Opportunity, Cleveland, Ohio

The Division of Pediatric Neurology and Epilepsy at University Hospitals Rainbow Babies & Children's Hospital in Cleveland Ohio is recruiting for a Pediatric Neurologist at the assistant professor level. The Pediatric Neurologist will provide clinical care to children with complex neurological disorders working closely with a dynamic team of pediatric neurologists and epileptologists. Clinical activities will be carried out at Rainbow Babies & Children's ambulatory and inpatient sites, and at University Hospitals' outpatient clinics. The Pediatric Neurologist will be encouraged and supported to engage in investigation/research and scholarly activities. Opportunities exist to conduct research in a variety of areas including clinical and translational research, education, outcomes/quality improvement, and medical informatics. There is infrastructure and support for clinical and translational research both within the Division and within the Department of Pediatrics. In addition to clinical service and research responsibilities, there is an expectation for academic work including education, administration/service, as well as advocacy.

Qualified candidates must be Board Eligible/Board Certified in Pediatric Neurology. The selected candidate will receive a faculty appointment at Case Western Reserve University School of Medicine at the academic level commensurate with experience and qualifications.

University Hospitals offers a competitive salary and benefits program and

CNS PERSONNEL REGISTRY

OREGON

PEDIATRIC NEUROIMMUNOLOGY DEVELOPMENTAL NEUROSCIENCE RESEARCH FACULTY: LEADING CENTER FOR PEDIATRIC NEUROSCIENCE IN THE PACIFIC NORTHWEST

The Pap Family Pediatric Research Institute and Department of Pediatrics at Oregon Health & Science University (OHSU) are seeking applications for a full-time Pediatric Developmental Neuroscience research faculty. The successful candidate will work on the basic or translational aspects of neuroimmunology, developmental neuroscience, and/or childhood brain diseases (including brain cancer). Ideal candidates should have highly interactive research programs with the potential to synergize or enhance those of the

department and the institution, which includes neuroinflammation, learning and memory, cognitive neuroscience, pediatric brain cancer, neuronal development, and neurobiology of childhood-onset diseases. Investigators focused on inflammation and metabolism in other organs, particularly the gut, are also encouraged to reply. An endowed professorship is also available for a cancer researcher this individual will already be at the Full Professor rank and will have a long, sustained track record of grant funding and high impact publications. Functions effectively and respectfully within the context of varying cultural beliefs, behaviors, and backgrounds.

- The Pap Family Pediatric Research Institute currently consists of 15 investigators, including four endowed chairs, across three main research programs: Oregon Stem Cell Center, Pediatric Blood Cancer Biology, and Pediatric Neurosciences. The overall focus of the research programs is on the development of novel therapies for disorders with currently inadequate treatments.
- The institute has already recruited several premier scientists to fill its facilities on the seventh floor of the state-of-the-art Lamfrom Biomedical Research Building. The Department and the Research Institute are seeking to hire one additional researcher who will focus their efforts on the basic or translational aspects of pediatric neuroimmunology, developmental neuroscience, and/or childhood brain diseases (including brain cancer).
- The Pap Family Pediatric Research Institute capitalizes on the robust resources of the OHSU neuroscience community- one of the largest in the U.S. Additionally, the OHSU Brain Institute has more than 1,000 scientists and clinicians. It is one of the nation's leading centers for neuroscience, and it ranks in the top two percent for competitive grant support from the National Institutes of Health.
- There are ample resources available to support research efforts throughout OHSU, including the Silver Family Innovation Fund; OHSU physician-scientist recruitment fund; OHSU faculty comp-pact (for eligible faculty, half of their salary is covered by

OHSU); and an Endowed Professorship available for qualified candidates, through the Pap Family Pediatric Research Institute - up to 20% of salary.

- OHSU is also home to the Oregon National Primate Research Center, one of the seven National Primate Research Centers supported by the National Institutes of Health.

What we are seeking/candidate qualifications:

- For a junior research package, we are searching for faculty that qualify for appointments at the assistant professor level.
- The ideal candidate is a physician-scientist (MD/Ph.D.). We will also consider Ph.D. and/or MD candidates who have an excellent track record of successful research funding, or a clear path towards additional research success (minimum of three first-author publications in high-impact journals; previous federal funding for their research, preferably K or R awards).
- The successful candidates research efforts must be linked to pediatrics.

We are especially interested in underrepresented minority candidates.

- For qualified leadership candidates, we may consider offering the Pap Family Pediatric Research Institute Directorship role (expected to be a ~0.1 FTE role)

Portland has a metro population of over two million but maintains strong local neighborhoods and a close connection to nature. Consequently, the city consistently ranks high in national "livability" contests. The New York Times describes Portland as a "bastion of good living" and "one of our national capitals of cool." With easy access to mountains and beaches, coupled with a nationally recognized food culture, Portland is a large little city with an outsized and unique cultural footprint.

Oregon Health & Science University values a diverse and culturally competent workforce. We are proud of our commitment to being an equal opportunity, affirmative action organization that does not discriminate against applicants on the basis of any protected class status, including disability status and protected veteran status. Individuals with diverse backgrounds and those who promote diversity and a culture of inclusion are encouraged to apply.

For immediate consideration please inquire with an updated copy of your CV so we can discuss the position by phone. Also, inform me of your best available times to speak. I look forward to your reply and thank you for your review. Please do not delay as we anticipate a significant response.

Please contact Kendra Thompson at medcareers@merritthawkins.com or at 866-406-0269 and reference NEUR-105733

ADVANCED PRACTICE PROVIDER

We are seeking a dynamic individual to join our team on the Pediatric Neurology Inpatient Epilepsy and Outpatient Epilepsy service. The Pediatric Neurology Advanced Practice Provider (APP) provides collaborative and multidisciplinary care of children with epilepsy as part of a team of attending physicians, resident and fellow trainees. The APP will work in a collaborative and independent manner caring for children with epilepsy as part of the Doernbecher Childhood Epilepsy Program within the Division of Neurology. Inpatient service responsibilities include admission and management of patients admitted for video-EEG monitoring, diagnostic testing, initiation of ketogenic diet, and epilepsy surgery. Outpatient responsibilities include coverage and development of clinics focused on outpatient epilepsy care, including specialized clinics such as ketogenic diet, teen transition, and vagus nerve/neurostimulation clinics.

The APP faculty will have numerous opportunities to become involved in quality improvement work, education, research, and childhood advocacy. Doernbecher Children's Hospital, the Department of Pediatrics, and the Division of Pediatric Neurology are committed to developing our faculty members' careers. A pathway for academic appointment and promotion for the APPs was recently implemented at OHSU. Professional attendance and participation is expected at relevant educational conferences and didactic conferences.

As teaching is an important portion of the OHSU and Doernbecher Children's hospital mission, you will be responsible

OREGON continued

for collaborating and teaching students and trainees.

For more information or to apply for this position, please visit:

<https://facultycareers-ohsu.icims.com/jobs/9655/instructor---advanced-practice-provider/job?mode=view&mobile=false&width=755&height=500&bga=true&needsRedirect=false&jan1offset=-480&jun1offset=-420>

About OHSU Doernbecher Children's Hospital

<https://www.ohsu.edu/doernbecher>

<https://www.ohsu.edu/doernbecher/pediatric-neurology>

With a strong tradition of teamwork, diversity and interdisciplinary care, we believe all children deserve the best. At Doernbecher, we built a hospital around that belief. It's why we have more specialists in children's health than anywhere else in the state. We offer the newest and most advanced treatments available, along with innovative collaborations and research opportunities. As Oregon's only academic health center, we strive to offer the best medical care to every child across Oregon, Southwest Washington and beyond.

services and consultation, including full range of pediatric subspecialties, pediatric intensive care unit, NICU, and pediatric emergency department with trauma service.

The candidate must hold an MD or equivalent degree and be board certified/eligible in Neurology with Special Qualification in Child Neurology. This is an outstanding opportunity to participate in clinical care, teaching and clinical research missions related to the expanding Pediatric Neurology practice at Hasbro Children's Hospital/ Rhode Island Hospital.

We seek a candidate who embraces and reflects diversity in the broadest sense. Rhode Island Hospital is an equal opportunity affirmative action employee.

Interested candidates are encouraged to submit a CV and a cover letter to:

**Dr. Chanika Phornphutkul
Chanika_Phornphutkul@brown.edu**

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CNS PERSONNEL REGISTRY

SOUTH CAROLINA

PEDIATRIC NEUROLOGY OPPORTUNITY IN COLUMBIA, SC!

Inspire health. Serve with compassion. Be the difference.

Pediatric Neurology Opportunity

Columbia, SC

Prisma Health Medical Group-Midlands Department of Pediatrics and the University of South Carolina seek a BC/ BE pediatric neurologist to provide care within our free-standing Children's Hospital. Responsibilities include teaching as a faculty member of University of South Carolina School of Medicine at the Assistant or Associate Professor level with rank and salary commensurate with experience. Candidates with appropriate experience will be considered for Division Director.

The Pediatric Neurology division is comprised of five pediatric neurologists and two APs. Supports include social work, keto diet, and participation in a Medical Legal Partnership to address socioeconomic determinants. While primarily teaching clinicians, the division is involved in clinical trials and providing care to a diverse patient population with a variety of neurological disorders. All subspecialists serve as consultants to inpatient services as all admissions go directly to the hospitalist or intensivist service and provide consultation and medical director supervision of our EMU. Additional support is provided by fellows in Child Psychiatry and neurology residents who rotate through the Division, which is home to a COE for Tourette's and other movement disorders.

CNS PERSONNEL REGISTRY

RHODE ISLAND

CHILD NEUROLOGIST CLINICAL EDUCATOR TRACK

The Department of Pediatrics at Hasbro Children's Hospital/ Rhode Island Hospital is seeking a pediatric neurologist to join the Division of Pediatric Neurology. We are seeking a dedicated clinician and educator with expertise in evaluation of the full range of pediatric neurology patients to join our busy and expanding practice.

The successful candidate will participate in outpatient clinics, attend in-patient services and teach fellows, residents and medical students. Hasbro Children's Hospital is the only tertiary care hospital for children in the state of Rhode Island and offers comprehensive pediatric services and consultation, including full range of pediatric subspecialties, pediatric intensive care unit, NICU, and pediatric emergency department with trauma service.

GENERAL CHILD NEUROLOGY WITH SPECIAL INTEREST IN NEUROMUSCULAR DISORDERS, CLINICAL EDUCATOR TRACK

The Department of Pediatrics at Hasbro Children's Hospital/ Rhode Island Hospital is seeking a pediatric neurologist to join the Division of Pediatric Neurology. We are seeking a dedicated clinician and educator with expertise in the evaluation and management of the full range of pediatric neurology patients and a special interest in neuromuscular disorders to join our busy and expanding practice.

The successful candidate will participate in outpatient clinics, attend in-patient services, and teach fellows, residents and medical students. Hasbro Children's Hospital is the only tertiary care hospital for children in the state of Rhode Island and offers comprehensive pediatric services and consultation, including full range of pediatric subspecialties, pediatric intensive care unit, NICU, and pediatric emergency department with trauma service.

The candidate must hold an MD or equivalent degree and be board certified/eligible in Neurology with Special Qualification in Child Neurology. This is an outstanding opportunity to participate in

The Department of Pediatrics has a record of academic achievement and provides education to medical students, physician assistant students, and pediatric and family medicine residents. Our pediatric residency has a total of 39 resident positions. The Department, along with our freestanding Children's Hospital, presently provides 151,000 patient encounters annually with 8,000 admissions and over 32,000 pediatric emergency room visits. The Department has 18 divisions, is actively growing and has been recognized as the best teaching department for most of the last 30 years.

Prisma Health is a not-for-profit health company and the largest healthcare system in South Carolina. With nearly 30,000 team members, 18 acute and specialty hospitals, 2,947 beds and more than 300 outpatient sites with nearly 2,000 physicians, Prisma Health serves more than 1.2 million unique patients annually in its 21-county market area that covers 50% of South Carolina. Prisma Health's goal is to improve the health of all South Carolinians by enhancing clinical quality, the patient experience and access to affordable care, as well as conducting clinical research and training the next generation of medical professionals. For more information, visit PrismaHealth.org.

Columbia is the state capital with a diverse population and a large selection of cultural amenities due to the University of SC 30,000 students. In addition to having an affordable cost of living, it is very family friendly with good schools, a revitalized downtown, nationally ranked zoo and children's museums. Outdoor activities are a premium due to its rivers, 650 miles of Lake Murray shoreline and state and national parks within 30-minute drives.

Generous benefits package including relocation and malpractice with tail coverage.

We are a Public Service Loan Forgiveness (PSLF) Program Qualified Employer!

Qualified candidates should submit a letter of interest and CV to:

Tina Owens, Manager, Physician Recruitment
tina.owens@prismahealth.org

PEDIATRIC NEUROLOGY IN COASTAL SOUTH CAROLINA

The Medical University of South Carolina (MUSC), located in coastal Charleston, SC, offers exciting opportunities for clinician-educators in the Division of Pediatric Neurology interested in either general practice or with a specialization in Epileptology. Our faculty enjoy rewarding and diverse careers, which include clinical care, involvement in our educational missions and research.

Transforming fetal, women's and children's care for the region, in 2020 MUSC Children's Health opened the Shawn Jenkins Children's Hospital a 100,000 square foot, 250-bed, state-of-the-art building. Along with our nationally ranked clinical care is MUSCs major pediatric clinical research center, the Charles P. Darby Research Institute, enabling us to continually imagine what's possible today, tomorrow and beyond.

Ideal Candidates:

- Board Certified or Eligible by the ABPN
- Interest/experience in movement disorders and treatment desired
- Commitment to MUSCs educational missions
- Opportunity for research

Opportunity Details:

- Strong, collaborative team of 7 faculty members and 4 Advanced Practitioners
- Dedicated inpatient and outpatient clinical services
- Our Comprehensive Epilepsy Center is designated a Level IV epilepsy center, the highest designation offered by the National Association of Epilepsy Centers
- Accredited Neurophysiology Lab offers a complete combination of EEG, EMG, Intraoperative Monitoring, and Intracranial/Extracranial Vascular Imaging, in conjunction with our Level IV Epilepsy Center.
- Fantastic specialty and diagnostic services such as speech language pathology, neuropsychology, and as inpatient and outpatient video EEG monitoring
- EPIC medical record system

MUSC Offerings:

- Relocation assistance
- Competitive pay and signing bonus
- Excellent retirement options, including a pension and optional tax-deferred contributions

- Sovereign immunity malpractice coverage
- 22 days of annual leave, 13 days of sick leave, and 13 paid holidays
- Public Service Loan Forgiveness (PSLF) Program Qualified Employer

MUSC is located in Charleston, SC, frequently named one of the best places in America to live. If charming, historic, vibrant, cultural, and coastal are adjectives that you find appealing, its all here. In Charleston, you might find yourself dining at a world-class restaurant tonight and relaxing on a boat as you explore our many waterways tomorrow. You might stroll along cobblestone streets, amidst centuries old homes by day and attend a jazz concert by night. Charleston is a place where you can live your life to its fullest.

We invite you to join the team committed to changing what's possible and do so in one of the most exciting cities in the country. Send us your CV accompanied by your letter of interest for immediate consideration. Your life in Charleston awaits!

Learn more at <https://musckids.org/our-services/neurosciences/neurology>

For additional information or to apply for the position, please contact the MUSC Provider Recruiter:

Kelsey Brown
Brownkel@musc.edu

PEDIATRIC NEUROLOGIST OPPORTUNITY IN STATE CAPITAL, COLUMBIA, SC!

Inspire health. Serve with compassion. Be the difference.

Pediatric Neurology Opportunity
Columbia, SC

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SOUTH CAROLINA continued

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Generous benefits package including relocation and malpractice with tail coverage.

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Qualified candidates should submit a letter of interest and CV to: Tina Owens, Manager, Physician Recruitment, tina.owens@prismahealth.org.

CNS PERSONNEL REGISTRY

TEXAS

PEDIATRIC DEVELOPMENTAL – BEHAVIORAL OR NEURODEVELOPMENTAL FACULTY

On behalf of the Cook Children's Health Care System (CCHCS) located in Ft. Worth, Texas, CareerPhysician, a national leader in child health faculty and leadership recruitment, is pleased to inform you of a national search for outstanding candidates for openings in Developmental-Behavioral Pediatrics or Neurodevelopmental Pediatrics. We believe these faculty openings to be among the best career opportunities currently available in the US in Developmental and Behavioral Pediatrics.

CCHCS is a not-for-profit, nationally recognized pediatric health care organization comprised of a Medical Center, Physician Network, Home Health company, Pediatric Surgery Center, Health Plan and Health Foundation. Cook Children's Medical Center is a freestanding 443-bed quaternary care pediatric hospital that is consistently ranked by US News and World Report. The integrated system has more than 60 primary and specialty care offices throughout North and West Texas, serving a 23-county referral network. The Cook Children's Physician Network is the largest pediatric multi-specialty physician group in its service area with over 600 employed specialty and primary care providers.

Key Opportunity Highlights:

- Seeking candidates, including 2022 fellows, with interest in joining a thriving Developmental-Behavioral practice that is supported by the more than 300 referring members of the Cook Children's Physician Network.
- Enjoy strong interdisciplinary collaboration and support from related specialties, special education, applied behavioral analysis, child psychiatry and psychology.
- New innovative clinic space currently under design and construction that will facilitate the groups innovative collaboration as part of the Cook Children's Neuroscience Institute and Child Study Center.
- One of the Nation's only programs with an accredited school dedicated to children with developmental and learning disabilities. The Jane Justin School enrolls students between the ages of 3 and 21 and has been a pillar of education in the community for more than 20 years.
- Clinical research in your areas of interest is encouraged and supported through the CCMC IRB and grant writing office, but not required.
- Nationally recognized pediatric subspecialty platform with 35 departments and more than 40 outpatient primary care clinics.
- Highly competitive compensation and benefits package, no state income tax, and a strong economy in one of the fastest growing areas of the United States.

For more details about this opportunity, or if you would like to recommend an individual(s) who exemplifies the qualities we are seeking in a candidate, please contact Marcel Barbey at marcel@careerphysician.com, or at 817-707-9034. All interactions will remain confidential, and no inquiries will be made without the consent of the applicant.

Cook Children's Health Care System is committed to equal opportunity for all persons regardless of age, color, disability, ethnicity, marital status, national origin, race, religion, sex, sexual orientation, veteran status or any other status protected by law.

OUTSTANDING CHILD NEUROLOGY OPPORTUNITY

On behalf of the Cook Children's Health Care System and the Jane and John Justin Neurosciences Center located in Dallas/Ft. Worth, Texas, CareerPhysician, the national leader in child health executive search, is pleased to announce the inception of a national search for qualified candidates for its newly created child neurology center in Lubbock, TX. The new associate will play a key role in the development the neurological services and in the coordination of high-end subspecialty services across West Texas.

Cook Children's has established a strategic clinical relationship with Covenant Children's Hospital in Lubbock. The new neurologist will be responsible for outpatient neurology care and inpatient consultations at Covenant Children's Hospital and for working with leadership from both organizations to build the clinical practice in Lubbock. Subspecialty clinics for epilepsy and movement disorders will be provided monthly by staff from the Fort Worth campus with telemedicine consultations available for additional neurological subspecialty care as required. Call responsibilities will be shared by Cook Children's neurologists serving West Texas and main campus faculty.

Cook Children's is a not-for-profit, nationally recognized pediatric health care organization comprised of a Medical Center, Physician Network, Home Health company, Pediatric Surgery Center, Health Plan and Health Foundation. Cook Children's Medical Center is a freestanding 443-bed quaternary care pediatric hospital that is consistently ranked by US News and World Report. The integrated system has more than 60 primary and specialty care offices throughout North and West Texas, serving a 23-county referral network. The Cook Children's Physician Network is the largest pediatric multi-specialty physician group in its service area with over 600 employed specialty and primary care providers.

The Neurosciences Center is committed to the delivery of easily accessible, well-coordinated, comprehensive evaluation and treatment for children

with neurological diseases through patient-centered care. Although not a university-based program, clinical research is an important program component supported by a multi-million-dollar Neuroscience Research Endowment providing all necessary elements for research development, data acquisition, analysis, and dissemination.

Key Programmatic Highlights:
Joining a highly subspecialized specialized regional group of 18-Child Neurologists, 8-Nurse Practitioners, 4-Pediatric Neurosurgeons, 1 Psychiatrist and 3-Neuropsychologists.

- Opportunity for appropriate candidates to serve as Medical Director for West Texas.
- Subspecialty support from nationally ranked programs in Epilepsy, DBS, Movement Disorders and Headache.
- Future development of a Lubbock epilepsy monitoring unit and support from the Cook Children's epilepsy surgery program (average 40 surgeries/year) with available unprecedented technologies including 3T and intraoperative-MRI, Magnetoencephalography, PET, SPECT, fMRI, TMS, and HD-EEG.
- Ability to follow your complex patient at the Fort Worth campus including access to a 26-bed state-of-the-art Neuro-Rehabilitation unit.
- Participate in established comprehensive clinical and research programs in headache, stroke, movement disorder and epilepsy.
- Great quality of life with call coverage limited to 1 in 3 weekends and no weekday evening call until the group grows to 3 child neurologists in Lubbock.
- Interested candidates will have faculty appointment and teaching opportunities with Texas Tech University.

Highly competitive compensation and benefits package including:

- Base salary at the 80th percentile.
- WRVU productivity-based incentive program.
- Salary will be guaranteed for the first 2 years of employment and a signing bonus, or, fellow in training stipend will be provided to qualified applicants.
- J-1 / H-1B immigration support for qualified candidates.

Covenant Children's Hospital:
Covenant Children's is part of Covenant Health, and its parent Providence-St Joseph Health, which has a history of over 100 years of service to the West Texas/Panhandle Plains and eastern New Mexico region. Covenant Children's is a 275-bed facility and is the only licensed freestanding children's hospital in the area. CCH operates a level IV NICU and is verified as the only level II Pediatric Trauma Center in the region. CCH is also a regional provider of high-risk maternal care. CCH has over 175 physicians on medical staff, representing nearly all major pediatric subspecialties (neurosurgery, neurology, cardiology, GI, ENT and ENT trauma, Endocrine, ID, Hem-Onc, Pulm, Adolescent Medicine, among others).

CCH plays an active role in the West Texas/Panhandle Plains regions provision of pediatric care via partnerships with regional facilities, primarily in the Midland and Odessa area via providing pediatric hospitalist services for two hospitals. CCH has also begun to partner with Texas Tech Health Sciences Center in Amarillo. Historically, CCH has a close relationship with Texas Tech University Health Sciences Center in Lubbock, with CCH acting as the primary teaching site for pediatric education for the Health Sciences Center. Each year CCH trains approximately 24 pediatric residents, with many providers also serving as faculty of TTUHSC, engaging in academic teaching, and/or research.

Minimum qualifications:
Incumbent must have completed an accredited pediatric specialty training program and be board certified/board eligible in child neurology. Must be qualified to obtain an unrestricted Texas Medical License before commencing employment.

For more information about this outstanding position, please contact Marcel Barbey, Vice President, CareerPhysician, at (817) 707-9034 or via email at marcel@careerphysician.com for additional details. All inquiries and referrals are treated as and will remain highly confidential without your prior approval.

Cook Children's Health Care System is an affirmative action and equal opportunity employer of individuals with disabilities and protected veterans.

CNS PERSONNEL REGISTRY
WISCONSIN

CHILD NEUROLOGISTS

The Department of Neurology at the Medical College of Wisconsin (MCW) and Children's Wisconsin is seeking board-certified/board-eligible child neurology specialists in both general neurology and epilepsy.

MCW is a major national research center with a large neuroscience research center; in 2019-2020 over \$100 million was invested in neuroscience research with more than 2,600 research studies were conducted. MCW is also a large and growing educational center with three campuses training over 1,000 medical students and is in the top 5 percent nationally in number of residents trained. Our Neurology group is the largest and most comprehensive in the state of Wisconsin, with residency programs in Adult Neurology and Child Neurology as well as Epilepsy and Neuropsychology fellowships.

Children's Wisconsin is a 296-bed freestanding hospital and one of the busiest pediatric hospitals in the country. Certified as a Level I Trauma Center, there are 13 inpatient units including a 72-bed PICU and a 70-bed Level IV NICU.

Our Pediatric Neurosciences Center is the largest and most comprehensive in the state and ranks among the nation's best by *U.S. News & World Report*. Our Epilepsy Center is a National Association of Epilepsy Centers (NAEC) accredited Level 4 epilepsy center and allows us to provide the highest level of complex and specialized care for children living with epilepsy. The epilepsy monitoring unit is a state-of-the-art evaluation center with 24-hour coverage by neurophysiology technicians and remote EEG reading capabilities. Our subspecialty clinics include: Epilepsy, First Seizure, Hypotonia, Brachial Plexus, Neuromuscular with an MDA and PPMD care center, Neurogenetics and Fetal Concerns as well as a Pediatric Neurocritical Care Program.

Milwaukee is the cultural and economic hub of Wisconsin. The city boasts a moderate cost of living and a four-season climate. Milwaukee is home to major sports teams, a vibrant arts community, a beautiful lakefront and county park system, some of the best school systems in the nation and several Fortune 500 companies. Summer festivals and special events year-round make this a family friendly, culturally rich community.

For interested faculty, the position of Director of Pediatric Epilepsy is open. Additionally, two unoccupied endowed chairs in pediatric epilepsy are currently

open for qualified mid-to-senior level faculty.

General Position Requirements:

- Board certified/eligible in Neurology with a special certificate in child neurology
- Eligible for medical licensure in Wisconsin

Contact Info:

Matthew Harmelink, MD
Division Chief, Child Neurology
Assistant Professor
Director, Pediatric Neuromuscular Program
Director, Child Neurology Residency
Department of Neurology
marmelink@mcw.edu

We are an Equal Opportunity Employer and do not discriminate against any employee or applicant for employment because of race, color, sex, age, national origin, religion, sexual orientation, gender identity, status as a veteran, and basis of disability or any other federal, state or local protected class.

AD PLACEMENT

Ads may be placed in the *CNS Connections* magazine with rates for text-only ads beginning at \$250. Graphic ads begin at \$850 for 1/4 page (email/call for rates). Ads placed in newsletter may also be placed on CNS Website for \$75 (\$275 for non-members).

Deadline for placement in the next issue is
AUGUST 20, 2021

TO POST AN AD:

Go to www.childneurologysociety.org
Click "Post a Position"