

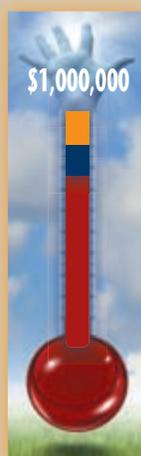
CONNECTIONS



Bringing CNS Members Together to Make Children's Lives Better



Be a Part of CNS History



If CNS members give \$100K to the Dodge Endowment by Friday, PERF will cap the balance needed (\$150K+) to reach the \$1 million goal.



GIVE at the Dodge booth or on the CNS Website.

Boost your \$\$ with the **PERF MATCHING GRANT**

**Together, We Can
Make History in Columbus this Fall...**

The 43rd Annual Meeting of the Child Neurology Society, October 22-25, 2014

(see page 23 for details)

CHILD NEUROLOGY SOCIETY

From the President



Nina F. Schor, MD, PhD
President, CNS

There is no greater testimony...to what holds us together...than the singular legacy we leave from this meeting forward – the endowment of our Philip R. Dodge Young Investigator Award.

WHAT HOLDS US TOGETHER?

There is one thing at which I am definitely not very good. That is staying inside of a box with a conventional label. “pediatrician”, “neurologist”, “child neurologist”, “neuroscientist” – each implies mastery, exploration, and practice of a specifically-defined discipline and diagnosis and treatment of a specific set of disorders. I always seem to be in the cracks between the fields and the diagnoses. And I wouldn’t have it any other way.

Organ systems, cell types, and molecular pathways don’t come in discretely assigned bundles. Whole people integrate all of these components and processes into a unified, multifunctional entity. Where else would anyone want to be than in the interstices at which the parts combine to make a greater-than-summative whole?

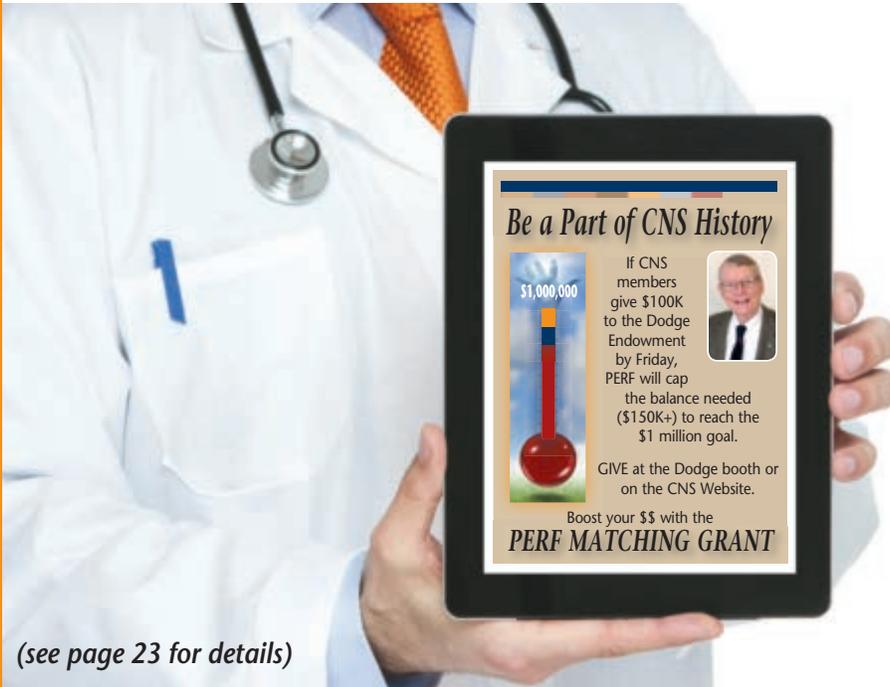
The program for the 43rd Annual Meeting of our Child Neurology Society reflects this excitement at the interfaces. As you listen to the talks and participate in the discussions, you may find yourself thinking “PM&R” or “cell biology” or even “philology”. But this is the joy of being among child neurologists, each of whom combines the diverse components into a completely unique whole and sits comfortably at a different interface. Because the brain is a conductor, every member of the orchestra reflects its function. Because the spinal cord is a crossroads and switchboard, every signal must traverse its territory and get transformed. And we,

the lucky purveyors of these components and more, call every aspect of medicine and science and sociology our home and paint with every one of these hues on our collective brushes.

So what holds us together? Why does every Child Neurology Society meeting feel like a family reunion? It is our dedication to and advocacy for our charges. Our patients and their families, our students, our trainees and junior colleagues drive all of us and unite us in the mission and vision of child neurology – the understanding and conquest of disorders of the developing nervous system. There is no greater testimony to this than the singular legacy we leave from this meeting forward – the endowment of our Philip R. Dodge Young Investigator Award. A united effort of the Child Neurology Society, the Child Neurology Foundation, the Pediatric Epilepsy Research Foundation, corporations, academic institutions, individuals all working together to honor the past, solidify the present, and ensure the future for children with neurological disease and the people whose work makes their lives safer, healthier, and better. Now that’s a whole vastly greater than the sum of its parts!

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Child Neurology Society
1000 West Cty Rd. E, Suite 290
St. Paul, MN 55126
Tel: 651/486-9447
Fax: 651/486-9436
Email: nationaloffice@
childneurologysociety.org
www.childneurologysociety.org

Editor: Daniel Bonthius, MD, PhD
Managing Editor: Roger Larson

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LETTER FROM CNS CONNECTIONS EDITOR



Daniel J. Bonthius,
MD, PhD

Donate (just a little bit) to the PRDYIA

As Editor of a certain famous newsletter, I get to rub elbows with the world's literati and avant-garde of the art world. At a recent glittering cocktail party, I told the guests in attendance – all artists of one sort or another – some living, some dead – about the Philip R Dodge Young Investigator Award (PRDYIA) and about the challenge of raising funds for it from the CNS membership to meet the one million dollar goal. I challenged these authors to write a few sentences in their own style to motivate the membership. Below are the answers I received. Let me apologize in advance. Some of them are crude and raw. (You know how artists can be.)

PHILIP ROTH

At that moment, I couldn't decide whether to have sex or to write a check for the Young Investigator Award. Sex or check? Sex or check? Sex or check? Which should I choose? So I did both. (Not at the same time – but close.) And I was happy. For five minutes. And then it started all over again.

WILLIAM SHAKESPEARE

To give or not to give. That is the question. Whether 'tis nobler a deed to donate one's fortune to a cause aimed at ending disease that afflicts children or to keep the money for one's self, perchance to purchase an even bigger large screen TV for one's man cave.

THE BEATLES

Picture yourself in a neuro-ophth clinic, where a young investigator reaches for the skies. Suddenly, one kid's been cured of her ailment: the girl with Kaleidoscope eyes.

RICHARD PRYOR

Don't give me that #\$\$@!#. Don't be tellin' me that you honkey

doctors can't afford the donation. C'mon, pony up the money! You buncha #\$\$%&!@!, pony up the %\$#@%\$# money!

LEO TOLSTOY

All happy neurologists are alike: they've all given to the PRDYIA. Each unhappy neurologist is unhappy in his own way: he's found a way to cheap out.

FRANZ KAFKA

When Gregor Samsa woke up one morning from unsettling dreams, he was delighted to discover that he had been turned back into a human. A child neurologist, with the help of a grant from the PRDYIA, had cloned the genes for human extremities, so that his pitifully thin legs were no longer waving helplessly before his eyes.

EUDORA WELTY

Why I give at the PO.

I was getting along just fine, until my sister Stella-Rondo came back home. I had a check all made out to the Child Neurology Society. I swear I did! And I was going to give that money to the Society for the YIA. Stella-Rondo must have taken it and bought herself some pearls. (How else could she

afford those pearls?) So, I had to buy pearls too! And I wanted so much to give that money to the PRDYIA! Now, if I'm going to give, I have to go down to the PO, so Stella-Rondo can't steal the check again. And I live a long ways from the PO.

HERMAN MELVILLE

Call me cheapskate. I've got money a plenty in my purse, and could donate to the PRDYIA, but I'm using it for a bigger boat. And I've got a certain fish in mind.

ARETHA FRANKLIN

P-R-D-Y-I-A
(oo) Baby, you got
(oo) what I need.
(oo) Do you know you got it?
(oo) All I'm askin'
(oo) is for a little donation (just a little bit)
when you come to the meetin'
(just a little bit)
hey baby (just a little bit) doctor
(just a little bit).
P-R-D-Y-I-A
That is what I mean to say
P-R-D-Y-I-A
We really need those funds today.
Oh (sock it to me, sock it to me,
Sock it to me, sock it to me)
Do, do, do, do, donate
(just a little bit).

*Let me apologize
in advance.
Some of them are
crude and raw.
(You know how
artists can be.)*

CHILD NEUROLOGY SOCIETY Awards Committee Update

BY NIGEL BAMFORD, MD

THE CHILD NEUROLOGY SOCIETY WILL RECOGNIZE SIX members at the 43rd Annual CNS Meeting in Columbus, OH with the presentation of the following awards:

CNS Lifetime Achievement Awards

- **Presented to G. Robert DeLong, MD** on Thursday morning, October 23
Introduction by RoseMary Boustany, MD
- **Presented to Richard E. Nordgren, MD** on Thursday morning, October 23
Introduction by Richard P. Morse, MD

CNS Philip R. Dodge Young Investigator Award

- **Presented to Christopher Smyser, MD** (with lecture to follow) on Friday morning, October 24
Introduction by Jeff Neil, MD, PhD

CNS Bernard Sachs Award

- **Presented to Gabrielle deVeber, MD** (with lecture to follow) on Friday morning, October 24
Introduction by Donna Ferriero, MD

The Arnold P. Gold Foundation Humanism in Medicine Award at the Child Neurology Society

- **Presented to Kenton Holden, MD** on Friday morning, October 24
Introduction by David A. Griesemer, MD

CNS Hower Award

- **Presented to Michael Shevell, MD** (with lecture to follow) on Saturday morning, October 25
Introduction by Steven Miller, MD

Those honored were selected by the CNS Awards Committee and subsequently approved by the CNS Executive Committee. The CNS Awards Committee is composed of nine standing members plus chair (4-year terms) and three Young Investigator Awardee members (3-year terms). The committee membership draws from a breadth and depth of seniority and experience in pediatric neurology, and the constant influx of the prior three Young Investigator Awardees provide a fresh outlook each year.

The Awards Committee meets at the CNS Annual Meeting to consider nominations for the following year's Sachs, Hower, Lifetime Achievement, and Gold Humanism in Medicine Awards submitted by members of the Child Neurology Society. All CNS members are encouraged to submit nominations (the deadline for submitting nominations for 2015 awards was October 13). Application deadline for the 2015 CNS Philip R. Dodge Young Investigator Award is April 1, 2015.

Profiles of this year's award recipients, featured on pages 6-19 and on display in the registration foyer, were written by Drs. Robert S. Rust, Philip Pearl, and James Brenton.

Other Awards to be Given at the 43rd Annual CNS Meeting

- **ACNN Claire Chee Excellence in Child Neurology Nursing Award**
Presented to, Jo Ellen Lee, MS, APRN at ACNN Meeting on Thursday, October 23; announced at CNS Meeting on Friday, October 24
- **Bernard J. D'Souza International Fellowship Award**
Presented to Jithangi Wanigasinghe, MD on Thursday, October 23; Introduction by Agustin Legido, MD, Chair, CNS International Affairs Committee
- **Blue Bird Circle Training Program Director Award**
Presented to Steven Leber, MD, PhD on Friday, October 24; Introduction by Philip L. Pearl, MD
- **CNS Bhuvan Garg High School Neuroscience Award**
Presented to Laura Herman on Friday, October 24
- **CNS Outstanding Junior Member Awards**
Presented on Friday, October 24 to:
Anuja Jindal, MD; Pittsburgh Children's Hospital (2013 recipient; unable to attend last year)
Jonathan Kurz, MD; Children's National Medical Center
Neggy Rismanchi, MD; University of California San Diego
Siddarth Srivastava, MD; Kennedy Krieger Institute
Kavita Thakkar, MD; Pittsburgh Children's Hospital
- **M. Richard Koenigsberger Scholarship**
Presented on Friday, October 24 to:
Joshua Bear, MD; University of California San Francisco
- **Child Neurology Foundation Awards** (see page 34)
Presented on Friday, November 2

CNS Lifetime Achievement Award



G. ROBERT DELONG, MD

G. ROBERT DELONG, MD
(Presented Thursday, October 23)

PROFILE WRITTEN BY ROBERT S. RUST, MD

Bob DeLong was born and grew up in Lafayette, Indiana. He attended Indiana's DePauw University, where his exceptional academic accomplishments led to election to Phi Beta Kappa, and the completion of a BA degree with high honors in 1957. He attended Harvard Medical School, receiving his MD degree *cum laude*. His distinguished performance merited membership in Harvard Medical's Boylston Society. During medical school, Dr. DeLong became keenly interested in neuroanatomy and developmental neurobiology under the influence of Richard Sidman, in whose laboratory he completed work concerning lesional effects on superior collicular histogenesis that was published as his first paper in 1962. Internship and Assistant Residency in Medicine at the MGH was followed by two years of research at the NIH and then Residency in Neurology, completed at Harvard's Boston City Hospital in 1966. The then characteristic year of training in Neuropathology of the MGH program was completed in 1967. Chief Residency in Neurology completed Dr. DeLong's formal neurological training in 1968. His clinical development during his training had particularly been influenced by Phil Dodge and Ray Adams. Dr. DeLong's first faculty appointment also occurred in 1968, as Instructor in Neurology at the MGH. In the following year, Dr. DeLong was chosen to succeed departing Phil Dodge as Chief of the Pediatric Neurology Unit of the Massachusetts General Hospital.

Dr. DeLong's career as a neuroscientist continued with a series of additional developmental studies in the Sidman Laboratory of the induction of retinotectal projections, as well as histogenetic developmental studies of alignment and connectivity of neural elements in developing brain cultures. Two of these papers were to achieve more than 100 citations in the medical literature. In 1975, Dr. DeLong published imaging studies demonstrating temporal lobe anomalies in an infant with autistic manifestations, a paper that achieved 127 citations.

His interest in autism had arisen because he regarded this strange disorder as the most mysterious challenge in clinical medicine. Despite many other interests, activities, and responsibilities this subject was to retain his attention for more than the thirty years. In 1981 he published meticulous neuropathologic studies of the brains of four apparently congenitally mentally retarded individuals who developed, in addition, autistic manifestations. These important studies have garnered more than 200 citations to date. Dr. DeLong has been greatly interested in the manner in which a given set of neurological manifestations may arise in association with different potential inciting circumstances. Thus, in 1981 he reported the circumstances and manifestations of transient autistic features in an individual who had experienced an acute encephalopathic illness, a study that has been cited more than 120 times.

Dr. DeLong's interest in other psychobehavioral aspects of children was attracted at almost the same time as his interest in autism. Four papers (in 1978, 1983, 1986, and in a particularly highly cited paper in 1987) reported the efficacy of lithium treatment in improving function and behavior of children thought to manifest manic-depressive disturbance. Dr. DeLong had performed these studies because the condition had "forced itself" on his attention: he had encountered numerous young individuals with the considerable disability and troublesome behaviors this condition produced in them, disturbing their development and the lives of their families. Throughout his career, Dr. DeLong has emphasized that although he hadn't adequate time to complete detailed histogenetic developmental studies, his very busy clinics had become a laboratory wherein he could catalogue the clinical features of illness and their response to thoughtful interventions. In 1988 Dr. DeLong published what he recognized as features of overlap between certain subgroups of autistic subjects and some with manic-depressive illness. A contemporary paper in which Psychiatrist-Research Fellow, Judith Dwyer also collaborated helped to recognize and refine the distinction between mania and attention deficit disorder. The

combination of subjects would continue to engage Dr. DeLong's scientific attentions through ensuing decades as his trainees were taught to consider the distinction between illnesses labelled as psychiatric or neurological to be an artificial one – just as did his colleague C. Miller Fisher.

Dr. DeLong participated in the important and highly cited pioneering studies that KS Krishnamoorthy organized and performed between 1976 and 1984 identifying the clinical and CT imaging findings of neonatal intraventricular hemorrhage. Dr. DeLong was interested as well in metabolic disturbances, publishing papers concerning OTC deficiency, Reye syndrome, and mitochondrialopathies. A highly cited example of such a study, of which Rose-Mary Boustany was first author in 1983, proved to be a durable contribution to exciting interest in the recognition of such conditions. In 1985, Dr. DeLong published an important paper on the clinical aspects and environmental aspects of congenital iodine deficiency. Professor John B. Stanbury, of the Thyroid Clinic at MGH, was a pioneer in such studies; he enlisted Dr. DeLong's assistance in characterizing the neurological manifestations of endemic iodine deficiency – the first of a number of quite valuable papers that resulted from study of individuals living in iodine-deficient regions of China. Dr. DeLong, who published during his career 33 thoughtful chapters, achieved a particularly high citation rate (155) for the chapter he published in 1994, together with Chinese colleagues, identifying a particularly critical time during which brain vulnerability to iodine deficiency is noteworthy.

Had his clinical demands not been more pressing, and given the skillfulness with which he had studied histological variations in early brain development, Dr. DeLong might have demonstrated the subsequently discovered effects that iodine deficiency produced in early development of dendritic arboring. But, of greater value for the physician have been the three influential papers that Dr. DeLong published concerning the clinical effects as well as the approach to intelligent management of the neurological effects on infants of endemic iodine deficiency. In 1989, Dr. DeLong published an excellent book entitled *Iodine and the Brain*. His subsequent 1994 paper, written with his Chinese collaborators, disclosed the critical timing of vulnerability to the development of endemic cretinism due to iodine deficiency and, as a result, characterized the time at which intervention

to replete iodine in infants and small children should most effectively be undertaken. Among the 33 book chapters that Dr. DeLong published are to be found other thoughtful and detailed considerations of the clinical conditions that had attracted his attention because of their puzzling mysteriousness and clinical importance. Four of Dr. DeLong's chapters concerned autism, three manic-depressive illness. His findings and recommendations concerning congenital iodine deficiency resulted in eight invited lectures that were delivered to international audiences. A similar number of invitations of international audiences were honored with the delivery of his mature thoughts on autism and on the neurological aspects of affective disorders.

He once noted that like Lewis and Clark, child neurologists with imagination and independent thinking will be at the vanguard of new scientific discovery.

The pattern of his intentions and ensuing achievements were in keeping with a principle that has figured greatly in his instruction of those he has trained. He concluded early in his professional life that accurate description of a clinical condition must be sought in order to generate a reasonable hypothesis as to some comprehensible mechanism that accounts for the condition. Only then could proper experimentation be undertaken to define mechanisms in order to select interventions to be tried to remedy the problem. He has felt that a considerable portion of the purview of child neurology has remained at the descriptive phase of defining the condition properly. He has emphasized that so long as some of our descriptions of "mysterious varieties" of nature's mistakes remain inadequate, further progression will not be achieved. He once noted that like Lewis and Clark, child neurologists with imagination and independent thinking will be at the vanguard of new scientific discovery.

Dr. DeLong left Harvard in 1988 to assume the position of Chief of the Division of Pediatric Neurology at Duke University, remaining in that post until 1994. He remained on the attending staff until 2006. During the course of his career he received a number of professional awards, in particular the Shriver Prize for Mental Retardation Research (1995), the E. H. Christopherson Award and Lectureship of the American Academy of Pediatrics in 2002 for his contributions to international child health and, in 2003, a Doctor of Science Degree (*honoris causa*) was conferred on him by DePauw University. He has been married for 56 years to his "indispensable partner," his wife, Nancy. The couple have raised four children with international interests and successful careers.

CNS Lifetime Achievement Award



RICHARD E. NORDGREN,
MD

RICHARD E. NORDGREN, MD (Presented Thursday, October 23)

PROFILE WRITTEN BY ROBERT S. RUST, MD

Richard E. Nordgren, MD was born in Pueblo, Colorado in 1938. He graduated from the University of Minnesota Phi Beta Kappa, with a BS degree *Magna Cum Laude* in 1960. From 1960 to 1963 he served as an officer in the United States Navy. Upon completion of his tour of duty he was accepted to the Northwestern University Medical School, from which he graduated in 1967. He completed pediatric internship and residency at the University of Rochester (1967-1969), remaining there for training in neurology and child neurology (1969-1972). In 1972 he assumed the positions of Assistant Professor of Medicine (Neurology) and Assistant Professor of Maternal & Child Health at Dartmouth Medical School, where he would remain for his entire career. In addition, he assumed a position as Staff Neurologist at the VA Hospital, White River Junction, Vermont, a commitment that would last for thirty years (1972-2002).

Dr. Nordgren was of considerable value to Dartmouth and New Hampshire, serving in a variety of capacities. He was recruited in 1972 to be Director of the EEG Laboratory at the Mary Hitchcock Memorial Hospital in Hanover, New Hampshire, a position he would hold for two decades. From 1980-1995 he served as Medical Director of the New Hampshire Epilepsy Clinics. In 1992 he chaired the Annual Meeting of the New England

Muscular Dystrophy Association in Hanover. From 1988-1992 he served for the State of New Hampshire Bureau of Maternal and Child Health on the Committee Relative to Women at Risk for Drug and Alcohol Abuse During Pregnancy. He was elected in 1986 for a two-year term as President of the New Hampshire-Vermont Neurologic Society. He served on five Children's Hospital of Dartmouth Committees, including Promotions, Ambulatory Care, and the Committee for Children with Special Health Care Needs.

Representative of his thoughtful approach to the role of physicians in society, he served on the Ethics Committee of the Dartmouth Hitchcock Medical Center as well as the Ad Hoc Task Force on Genetic Testing.

His tactfulness and his concern for timely medical care are reflected in his being recruited by Dartmouth-Hitchcock to find solutions to the problem of untimely dictation of clinical notes. Dr. Nordgren was earnestly involved in educational activities for the medical students at Dartmouth, including a program for visiting medical students from Germany. He was also very much involved in an educational program on Neonatal

Neurology provided for a delegation of visiting Egyptian pediatricians in 1998. In addition to his teaching responsibilities at Dartmouth, Dr. Nordgren has been greatly in demand for local and regional programs for the education of medical professionals and for the general public. He has delivered 13 invited lectures to regional hospitals and presented

Dr. Nordgren's colleagues have recognized throughout his career his knowledge, practicality, reliability, dry sense of humor, and unfailing devotion to the welfare of children.

three educational programs for the annual meetings of the American Academy of Neurology.

Dr. Nordgren's civic-mindedness is apparent in his stellar record of service, often involving considerable effort and duration, on 11 civic organizations, including those related to athletic activities in which he was a keen and able participant: skiing and tennis.

Dr. Nordgren was a member of the CNS from its founding. His participation included membership on the By-Laws Committee (1979-1980), the Nominating Committee (1980-1981), two terms on the Ethics Committee (1986-1988 and 1990-1995), the Training and Education Committee (1995-1999) and the Finance Committee (2002 without term). In 1997 he was elected for a two-year term on the CNS Board as Councillor for the Northeast. His membership in the Professors of Child Neurology encompassed participation for two terms on the Undergraduate Training Committee (1988-1994 – serving during that interval as Chair, and 1997-1999), the Nominating Committee (1995-1999), and as Secretary-Treasurer (1990-1994). Dr. Nordgren served for thirty years as a frequent and distinguished Examiner for the Child Neurology Section of the American Board of Psychiatry and Neurology (1979-2009), and was a Senior Examiner from 1991-2009. Dr. Nordgren was an active member of the American Academy of Neurology, serving on the Residency Examination Subcommittee. From 1993-2001 he was a member of the Professional Advisory Board of the National Sturge-Weber Syndrome Foundation.

Dr. Nordgren has published 25 peer-reviewed papers, 12 of which have been highly cited. The most highly cited consider lethal toxic effect of dimethylmercury on cerebellum (91 citations) and sclerosing pachymeningitis (64 citations). Other highly cited papers consider Dandy-Walker malformation, tethered cord, and corpus callostomy for control of seizures. Dr. Nordgren has published four book chapters.

Dr. Nordgren's colleagues have recognized throughout his career his knowledge, practicality, reliability, dry sense of humor, and unfailing devotion to the welfare of children.

Philip R. Dodge Young Investigator Award



CHRISTOPHER SMYSER, MD

CHRISTOPHER SMYSER, MD (Presented Friday, October 24)

PROFILE WRITTEN BY JAMES BRENTON, MD

Christopher Smyser, MD was born on the outskirts of Chicago, a son of two chemist parents. He was a competitive swimmer throughout high school and was recruited by the University of Iowa for undergraduate training, where he lettered in swimming. He graduated with highest distinction from Iowa's College of Engineering with a degree in biomedical engineering. Success in scholastics and athletics was matched, or exceeded, by the successful courting of his future wife, Tara, during his time in Iowa.

Following graduation, he was employed as an engineer in the Departments of Neurology and Radiology at the University of Iowa College of Medicine, where he designed and developed hardware and software tools allowing efficient processing of functional magnetic resonance imaging data using complex statistical modeling. During his time working as an engineer, Dr. Smyser served as first-author on two publications focusing on the analytical aspects of functional MRI (fMRI). It was during this time of employment that Dr. Smyser met and collaborated with adult neurologist and radiologist, Dr. Thomas Grabowski, who served as a mentor and was an instrumental influence upon Dr. Smyser as he decided to pursue a degree in medicine.

With this newfound direction, Dr. Smyser subsequently gained acceptance into the University of Iowa College of Medicine. His continued demonstration of scholastic aptitude throughout medical school was rewarded with an invitation into membership of the Alpha Omega Alpha National Honor Society. He successfully completed his medical degree from the University of Iowa College of Medicine in 2004. Given his prior interests in functional imaging modalities combined with his love for children, Dr. Smyser made the logical choice to pursue a career in child neurology.

Dr. Smyser completed his pediatrics residency at the University of Iowa in 2006, followed by successful completion of his child neurology residency at St. Louis Children's Hospital (Washington University) in 2009. In his fourth year of training, Dr. Smyser was recognized by his department as an extraordinary resident teacher and was honored with the Steven M. Rothman Award for Outstanding Teaching.

During his training, he commenced his research in neonatal neuroimaging by becoming a member of the Washington University Neonatal Developmental Research (WUNDER) Laboratory. As a result of his efforts, Dr. Smyser received the prestigious Leonard Berg Prize for his research, conducted throughout his residency. His ABPN Certification in Neurology/Child Neurology was conferred in 2009. Dr. Smyser elected to remain at Washington University

Dr. Smyser's research efforts in functional imaging modalities have been largely built upon his background in biomedical engineering

after training, where he is currently an Assistant Professor in the Departments of Pediatrics and Neurology.

Dr. Smyser's clinical efforts at Washington University have focused on the development of the multidisciplinary Neonatal Neurology Clinical Service. This service was constructed to provide optimal neurological care for infants at risk for poor neurodevelopmental outcomes. The framework of this service is based upon the neonate's initial inpatient evaluation and subsequent outpatient follow-up. His work within the neonatal neurologic population has proved indispensable for patients and their families.

Despite a rigorous dedication to his patients, Dr. Smyser has also managed to dedicate a large amount of time to pursuing his passion for clinical research. His research efforts have been largely built upon his background in engineering. In 2011, he was recognized with the Child Neurology Foundation's Scientific Award, which allowed him to analyze the impact of preterm white matter injury upon neural networks. On top of this, Dr. Smyser was also recognized with grant support from the NIH/NINDS for his research on the development and optimization of tools to utilize functional connectivity MRI (fcMRI) in efforts to investigate neural network development in preterm and term infants. This work ultimately culminated in a highly-cited publication in *Cerebral Cortex* that elegantly characterized the earliest forms of functional cerebral connections and detailed a regionally variable age-specific pattern of network maturation in premature infants by longitudinally following them utilizing resting state fcMRI.

Following this, he served as co-author on a very interesting study published in *Annals of Neurology* correlating stress exposure upon premature neonates within the NICU with functional MRI, finding that exposure to stressors is associated with regional alterations in brain structure and function.

This preliminary research served as the beginning of Dr. Smyser's ongoing research looking closely at cerebral abnormalities associated with neurodevelopmental impairment in prematurely born children. Most recently, Dr. Smyser has co-authored a series of papers examining the effects of white matter injury in premature neonates upon neurodevelopmental outcome and the use of functional imaging to help characterize this relationship. These articles have successfully demonstrated structural-functional correlates of preterm white matter injury. His group's preliminary work suggests that fcMRI investigations may have the potential to improve the prognostic accuracy of neuroimaging studies on premature neonatal neurodevelopmental outcomes.

Dr. Smyser's wife, Tara, is an engineer who performs neuroimaging research at Washington University. They have been blessed with two daughters – Kaelan (age 12) and Keira (age 9). Beyond his history as a competitive swimmer, Dr. Smyser enjoys running and playing soccer. He is also an avid follower of sports, particularly of the Iowa Hawkeyes, Chicago Blackhawks, Chicago Bears and Chicago Cubs. Additionally, he coaches a youth soccer team in his spare time.

Bernard Sachs Award



GABRIELLE DEVEBER, MD,
MHSC, FRCPC

GABRIELLE DEVEBER, MD, MHSC, FRCPC

(Presented Friday, October 24)

PROFILE WRITTEN BY ROBERT S. RUST, MD

Gabrielle deVeber was born in Sudbury, Ontario, Canada. Interestingly, she is a direct descendant of the famous 19th Century Irish physician, Sir Richard Quain, MD, who earned nearly every honor of the of the Royal College of Physicians for his contributions to the understanding of cardiovascular physiology and comparative anatomy. Gabrielle deVeber chose initially to prepare herself for a career in physical and occupational therapy, taking her degree in 1981 at the University of British Columbia. She chose this career because she was interested in fixing the disabilities of human bodies. Her goals exceeded what such training could provide and she immediately moved on to three years of medical school to acquire pathophysiological understanding of disease, greatly refining a portion of that understanding for all the rest of us. An important stepping stone involved development of a detailed understanding of clinical epidemiology and biostatistics. Her decision to become a pediatrician was based on her love of children; appropriately, her residency was completed at the Hospital for Sick Children in Toronto in 1986. As might be expected from her ancestry, the pursuit of a deeper neuroanatomical understanding of clinical deficits attracted her to neurology. During the course of her training she would become particularly attracted to neurovascular disease since it permitted neurological anatomy to be learned “stroke by stroke.”

The mentor whose role was particularly pivotal in her decision to become a stroke neurologist was the hematologist, Dr. Maureen Andrew. Toronto provided two additional mentors of exceptional importance: Dr. Henry J. M. Barnett, who had played a critical early role

in transforming management of adult strokes from unexamined custom to clinical scientific sophistication, and Dr. Vladimir Hachinski, who played a role internationally in enhancing the appreciation of the sense not only of sophistication but also of urgency in diagnosis and treatment of stroke that he termed a “brain attack.” Dr. deVeber completed training in adult neurology at the University of Western Ontario in 1987, and in child neurology, with a clinical fellowship in pediatric neurorehabilitation and EMG at Massachusetts General Hospital in 1990 and 1991, respectively. Additional important mentors entered her life: Ray Adams, C. Miller Fisher, and Verne Caviness. Signally important in Dr. deVeber’s career development has been her collaboration with Donna Ferriero.

Four years as a child neurologist at McMaster University led Dr. deVeber to concentrate for the ensuing three years at McMaster on the acquisition of the meticulous methodological sophistication and experience appropriate to advancing all aspects of the understanding of all aspects of childhood stroke. She rapidly progressed not only in rank but also in opportunity as clinician and scientist.

Dr. deVeber initiated her exceptionally distinguished career as a stroke neuroscientist with an original report relating the use of MRI imaging to evaluate a child with a stroke that she saw with Verne Caviness. Two-hundred and thirteen original reports and invited reviews have followed. The papers constitute an extraordinary record of investigation, not only by Dr. deVeber’s group, but by the amazing network of collaborative study groups in which she has played a critical organizational role. Presentation at varying age and with various etiological circumstance – including arteriopathic, traumatic, inflammatory, neoplastic, infectious, nephrotic and other metabolic, and other conditions as well as strokes of uncertain pathogenesis – are represented. So too are aspects of progression of

deficit and recurrence risk. Imaging results provided in these studies progressively refine what may be learned acutely, including the demonstration of the inadequacy of ultrasonographic investigation to exclude neonatal stroke. Risk factors are increasingly well defined, including the as yet inadequately understood elevated risk of males for certain forms of ischemic stroke. This is representative of the manner in which well-designed studies refine and identify what is not known in order to properly investigate such variations. Of particular importance have been the numerous evidence-based studies of efficacy of therapeutic interventions.

Of 213 papers published since 1987, Dr. deVeber has been the principle or co-principal investigator in half; 143 have concerned stroke. The total number of citations for all papers is 8971; 5705 since 2009. Eighty papers have been cited more than 50 times, 21 more than 100 times, seven more than 300 times. The most highly cited paper, concerning childhood cerebral sinovenous thrombosis, has been cited 709 times since being published in 2001. Five of the papers cited more than 200 times are of particular clinical importance since they are well-designed investigations of efficacy of stroke treatments. Several of these most highly cited papers concern the outcomes experienced by children with arterial ischemic stroke and sinovenous thrombosis. To perform these studies, Dr. deVeber has completed 29 grants and awards. The grants currently devoted to addition studies by Dr. deVeber and her collaborators represent an investment of approximately \$21 million in studies designed to improve the health of infants and children.

Dr. deVeber has guided the academic development of 12 clinical stroke fellows, four of whom have achieved independent funding as stroke researchers. Of the 18 graduate students who came under Dr. deVeber's guidance, half have completed graduate

theses. Dr. deVeber's advocacy for stroke awareness has achieved a high degree of international significance. She has delivered 74 invited lectures to international audiences. To the extent that this remarkably modest individual can account for her own professional success, she ascribes it to those who have trained and nurtured her during her career development. The qualities that these individuals have invested in Dr. deVeber include enthusiasm, focus, and caring deeply about her work; they are, without doubt, the same qualities and attitudes Dr. deVeber has invested in those who have

come to her for training. She advocates the importance of "thinking outside of the box – maybe...", and persistence deriving from maintaining the attitude that "we can do this!" The things that she tries to instill in those she trains clinically and scientifically are humility, collaborative spirit, and hard work.

Since 2009 Dr. deVeber has been Senior Scientist of the Neuroscience and Mental Health Programs of the University of Toronto, at the rank of Professor. She has been exceptionally active in a variety of capacities for the CNS.

Her many honors have included the Geoffrey C. Robinson Award of the Canadian Pediatric Society (2007), and the Sidney Carter Award of the AAN (2010).

Dr. deVeber is devoted to the "love of her life and best friend," her husband, David Mikulus, a neuroradiologist also devoted to stroke studies, and her two children: Maddy (22, training in Public Relations), and Nicole (19, engaged in neuroscience studies, art and athletics). Interests outside of medicine include huntseat riding of her horse, Romeo, reading mystery novels, traveling, and enjoying the out-of doors. She manifests the characteristics of a person who enjoys other people, working hard to improve the lot of others, especially children. It is a fine example of the personality of the child neurologist.

The things that she tries to instill in those she trains clinically and scientifically are humility, collaborative spirit, and hard work.

Blue Bird Circle Training Program Director Award



STEVEN M. LEBER, MD,
PHD

STEVEN M. LEBER, MD, PHD
(Presented Friday, October 24)

PROFILE WRITTEN BY PHILLIP L. PEARL, MD

Though born in Cleveland, in the land of the Buckeyes, Steve Leber quickly saw the light and was converted to a Wolverine, going to college at the University of Michigan. (He did, however, have to go home every Thanksgiving and, reluctantly, face up to his friends, since Michigan never beat Ohio State in football during his four years of college.) Academically, he started off studying math and physics but became fascinated by brain research when he bought a popular book, *The Brain Changers*, by Maya Pines, for his father's birthday, but decided to read it before giving it to him. He worked in Steve Easter's lab, studying goldfish visual development, and became fascinated with brain development.

Although he never had had any interest in becoming a doctor (perhaps because his mother wanted him to be one), he completed a combined MD-PhD degree in an effort to learn a broad range of approaches to studying brain development. He attended the Albert Einstein College of Medicine in the Bronx, where he was surprised to enjoy the clinical work as well as the research. In the lab, he worked with Pat Model, studying synaptic specificity on the Mauthner cell of the axolotl, a newt-like amphibian famous for populating the margins of *Mad Magazine*. By transplanting the otic placode between embryos of various ages and causing the VIIIth nerve to enter the brain earlier or later than normal, he showed that the vestibular axons terminated on particular dendrites of the Mauthner cells independent of their time of ingrowth. He thoroughly enjoyed both his pediatrics and neurology rotations, and decided to go into pediatric neurology, although he never did a rotation in this field. (He did spend a single, but remarkable, half-day in clinic with Al Spiro. Two new patients walked

in off the street, one with hypokalemic periodic paralysis and one with hyperkalemic periodic paralysis!) In his free time, he was the hooker on the Einstein rugby team in an inter-medical school league.

Steve went back to Cleveland to do his pediatrics residency at Rainbow Babies and Children's Hospital at Case Western Reserve. He then went to St. Louis, where he did his pediatric neurology fellowship at Washington University under the mentorship of Joe Volpe, Arthur Prenskey, Phil Dodge, Ed Dodson, Mike Noetzel, Steve Rothman, and Ruthmary Deuel. Steve worked with a superb group of fellows, training concurrently with Ken Mack and Jeff Neil, and under the insightful (and fun) guidance of Gary Clark, Scott Pomeroy, Kel Yamada, Rob Rust, and Denis Altman, among others (photo). During his clinical training, he was proud to learn that the mother of one of his patients decided to name her next child after him, but was surprised to learn that the middle name was actually "Dr. Steven Leber"! He did a post-doc with Josh Sanes, studying the clonal origin of motoneurons and the migration of cells in the chick spinal cord.

Having fallen in love with Ann Arbor as an undergraduate and naively thinking he would have more time when he wasn't in college, he contacted Gihan Tennekoon, who was about to start as division chief of Pediatric Neurology at the University of Michigan. Steve came on as a faculty member in 1990 and has been at the U of M ever since, working under Gihan and then, for almost 20 years, Faye Silverstein. Although he started off primarily in the lab, Steve found greater success and fulfillment in clinical work and teaching, which have been his areas of focus since. He has won faculty teaching awards in both the Neurology and Pediatrics departments, was the Dickinson Collegiate Professor of Pediatrics, and last year was honored with the Dean's Outstanding Clinician Award. He is the medical director



Washington University Child
Neurology Housestaff 1987
Top (L-R): Jeff Neil, Scott
Pomeroy, Ken Mack, Jan
Mathisen; Bottom (L-R):
Kel Yamada, Steve Leber,
Gary Clark

of both the Pediatric Neurology outpatient clinic and all of the Pediatric Subspecialties clinics. His interests in clinical neurology are broad, but he has special interests in headache, brain malformations, and conversion disorders. He started an institution-wide Conversion Disorder Journal Club and is helping set up a somatoform disorders practice protocol. He provides the fetal neurology consultations and sees the children with multiple sclerosis. His trainees' words in his nomination letters speak volumes:

"We are very fortunate that Dr. Leber has dedicated his boundless energy to education in pediatric neurology...he continually strives to improve the residency program...in a structured and nurturing environment. We review a post (from the listserv) with a "mystery case," and examine suggestions from other neurologists." (Drs. Nancy McNamara and Louis Dang)

"...it is Dr. Leber's particular style that sets him apart. He guides each trainee in a conversational manner, correcting when necessary in such a way that is never patronizing, but rather increases the trainee's confidence over time." (Dr. Jared Mott)

"He effortlessly dedicates his time to guarantee the residents are receiving the best training available and goes out of his way to make this happen." (Dr. Lindsey Foy)

On a national level, Steve helped launch the CNS Electronic Communication Committee in 1995, and has served on it since, chairing the committee from 1995-99. He also served on the Executive Committees of both the CNS and PCN. He has been involved in the CNS Education Special Interest Group.

In 1993, Steve walked out of a patient's room (yet again, in his words) uncertain about the diagnosis. He thought of several experts around the country he wanted to call to discuss the patient. Realizing he was not unique in his desire to collaborate with others, he wondered about ways to do this via the computer and talked to Ken Mack, who suggested they try setting up a "listserv," a new concept in group emailing. (To get a sense of the novelty of this, their initial membership surveys included the question, "Have you ever used the World Wide Web?"). They created the Child-Neuro listserv and

advertised it by email, word of mouth, and in journals. Steve and Ken have been running it since, and it is used by about 1200 members from approximately 60 countries to discuss their problem diagnoses, treatment options, educational issues, referral options, "neuro news," etc. It serves not only a clinical role but as an educational resource for its users.

Steve has been Program Director for the University of Michigan Child Neurology residency since 2009. He serves on the Program Evaluation Committees for Pediatrics and Neurology, the Pediatrics Clinical Competency Committee, and the Pediatrics Student Education Advisory Committee. The number of child neurology residents has doubled under his tenure, and he has coordinated a major change in their rotation schedules. Steve has successfully advocated for their interests during their adult neurology rotations. He meets regularly with the residents for both case-based teaching conferences and for journal clubs and, combining his education and computer interests, has helped the residents (and other faculty members) with the transition to a new electronic medical record system. He feels inspired by his residents, and his contact with them is his favorite part of the job.

On a lighter level, Steve loves to pepper his work rounds with logic puzzles, and he is fascinated by the way children develop a sense of humor. He also hopes to begin to apply hypnosis to his clinical practice.

Steve is married to Dina Shtull, a small business owner and a Jewish educator. She has done volunteer work in Peru, Uganda, and China. Steve has three children and one granddaughter (two by the time of this meeting). His oldest, Ilanit, has a PhD in math and teaches at the college level. She recently moved back to Ann Arbor after three years in Tel Aviv, where her husband was a medical student. Tani is a 3rd-year medical student at the University of Michigan. He was born during Steve's neurology fellowship and required ECMO. Tani recently had the privilege of working in the lab of Robert Bartlett, who invented ECMO. Leor graduated from Brown, lives in New York, and is working for Uber.

When Ken Mack and Steve set up the Child Neuro Listserv in 1993, their initial membership survey asked, "Have you ever used the World Wide Web?"

The Arnold P. Gold Humanism in Medicine Award at the Child Neurology Society



KENTON R. HOLDEN, MD

KENTON R. HOLDEN, MD
(Presented Friday, October 24)

PROFILE WRITTEN BY ROBERT S. RUST, MD

Ken Holden was born and raised in Baltimore and completed his undergraduate education at the University of Virginia in 1964, was elected to ODK and, subsequently, completed medical school at the Medical College of Virginia (1964-68). As a medical student he was elected to AOA, receiving its research award along with numerous other named awards for his outstanding performance in surgery, obstetrics and gynecology, and pediatrics. Dr. Holden's decision to become a child neurologist was particularly influenced by Anatole Dekaban of the NIH, who was justly celebrated for his contributions to the understanding of early brain developmental disturbances, epilepsy, and hereditary metabolic diseases. Dr. Holden completed residency in pediatrics (1968-70, 1972-73) at Johns Hopkins, and his neurology fellowship while on active military service duty with the U.S. Public Health Service at the Section on Child Neurology at the National Institutes of Health (1970-72). His career development was further influenced at Hopkins by the examples of excellence provided by Frank Ford, John Freeman (epilepsy, headaches, and ethics), Mary Ellen Avery (neonatal neurology), and pediatric geneticist, Roger Stevenson. Bob Blizzard, Roscoe Brady, Hugo Moser, and Guy McKhann played important roles in Dr. Holden's development of interest and expertise in neurometabolic diseases and degenerative conditions. Other contemporary neurology residents influencing Dr. Holden's career development included Harvey Singer, Ian Butler, and Alan Percy.

Upon completion of training, Dr. Holden would remain on Inactive Military Reserve for the ensuing 25 years. From 1973-1985 he served as Assistant Director of the Pediatric Seizure Clinic at Johns Hopkins; during portions of this interval he held staff positions in the Departments of Pediatrics and of Neurology at Johns Hopkins, the John F. Kennedy Institute, the Greater Baltimore Medical Center, the Sinai Hospital, and a private practice. He served as well as a Staff Consultant for Karin B. Nelson at the Perinatal Research Branch of the NIH. She was to prove another important influence on Dr. Holden's clinical and scientific development. In 1990, Dr. Holden joined the Medical University of South Carolina as an Associate Professor and Clinical Director of the Division of Pediatric Neurology at the Medical University of South Carolina (USC), serving as a Staff Physician at three additional Charleston hospitals. He was promoted to Professor at USC in 1996. In 1999 he was appointed Senior Clinical Research Neurologist and Chief of the Section of Clinical Neuroscience at the Greenwood Genetic Center in South Carolina. His deeply entrenched interest in improving the state of healthcare of underserved areas of the world manifested itself with his appointment as Visiting Professor in Child Neurology in 2000 and Epilepsy in 2001 at the National Medical School at Tegucigalpa in Honduras. He has subsequently retained all of these various positions and responsibilities. Dr. Holden has been keenly interested in medical education in all of these venues, assuming formal responsibility for curricular development in Neurosciences at USC and Neurogenetics education at Greenwood. At Tegucigalpa he and others initiated and developed the first neurological training program in Honduras.

Dr. Holden has been the recipient as Principal Investigator, Project Director, Consultant, or Sub-Investigator for grants issued by 26 agencies, including the NIH (4), USC, Greenwood, and Associated Hospitals as well as grants from private non-commercial foundations (15), and private industry (3). His investigations have resulted in the publication of 115 peer-reviewed original publications, 16 as first author, 24 as senior author; 13 have been cited >50 times, four >100 times. The subjects of these papers include heritable neurological disorders (37), epilepsy (17), neurometabolic diseases (15), neurodegenerative conditions (11), neonatal conditions (11), developmental brain and vascular anomalies (10), neurocutaneous conditions (7), and neuromuscular disorders (6).

Dr. Holden has been an exceptionally active teacher and mentor to individuals at all levels of training as physicians, physiatrists, pharmacologists, colleagues, and various other professional healthcare occupations. His visiting professorships have been numerous in the United States and in Honduras. In addition to his excellence as a teacher of neurology, neurogenetics, and neuroscience, Dr. Holden has a broader sense of what should be taught, particularly by example. He has continued to instill the virtues he was taught by those who influenced his own professional and personal

Dr. Holden has been an exceptionally active teacher and mentor to individuals at all levels of training as physicians, physiatrists, pharmacologists, colleagues, and various other healthcare professionals.

development: "love, joy, peace, patience, kindness, goodness, faithfulness, gentleness, and self-control." Along the way he has learned that "the biggest mistake you can make (in many situations)...is to do nothing when you could have done at least a little."

Dr. Holden has been the recipient of many honors. He received several awards as a teacher of medical students and he was named Educator-Mentor of the Year of the Health Sciences Foundation at USC. He has been chosen three times to be Reader for the Senior Class Hippocratic Oath Ceremony at USC, and for one graduation he served as the Presidential Marshall for the graduation exercises. He received the Fritz E. Dreifuss International Travel Award from the Epilepsy Foundation. He served as Keynote Speaker for the Second International Congress of Neurology in Honduras and has been the recipient of several additional distinguished awards for his service to Honduras.

Dr. Holden is married to Patricia C. Holden, PhD. The couple are very proud of two very accomplished sons, Kenton Roy Holden Jr., PT, MHA and William Blakely Holden, BA, MBA, as well as their grandchildren. In addition to the importance of family life, Dr. Holden enjoys his continued participation in missionary work and in cattle farming.

Hower Award



MICHAEL ISRAEL SHEVELL,
MD CM, FRCPC, FAAN,
FANA, FCAHS

MICHAEL ISRAEL SHEVELL, MD CM, FRCPC, FAAN, FANA, FCAHS

(Presented Saturday, October 25)

PROFILE WRITTEN BY ROBERT S. RUST, MD

Mike Shevell was born in Côte Saint-Luc, Quebec, Canada in 1958. He received a DEC in Health Sciences from Marianopolis College in 1977, a BSc in Physiology in 1980, and an MD, CM in 1984, the latter two from McGill University. His exceptional achievements in college and medical school were marked by seven prestigious awards. His decision to become a neurologist was made as a medical student under the influence of Gordon Watters (of whose career he wrote an excellent account many years later), Bernard Rosenblatt, and N. Paul Rosman (with whom he did an elective at the Harvard Medical School). Dr. Shevell trained at the Montreal General Hospital as a pediatrician (1984-86), and as a neurologist (1986-1989). During his neurological training he completed fellowships in EMG, EEG, evoked potentials, neuro-ophthalmology, and neuropathology. Additional individuals that proved influential during his training were Fred Andermann, Charles Scriver, and Kaye Metrakos. His performance during his residencies was celebrated by four additional awards, including the Claude Giroud Prize in Pediatrics and the President's Prize of the Canadian Association of Child Neurology. Following his formal training he did a two year postdoctoral fellowship in genetics and molecular genetics (1989-1991) at the Royal Victoria Hospital. During this fellowship he completed the Short Course in Medical and Experimental Mammalian Genetics at the Jackson Laboratory, Bar Harbor. He subsequently received Professional Certification/Licensure from the pertinent National Boards of Canada and the United States. Since 1991 he has been a member of the Division of Pediatric Neurology at the Montreal Children's Hospital, and in 1995 was appointed to the Associate Staff of the Montreal Neurological Institute. He advanced to Full

Professorship at McGill in 2005, became Director of Child Neurology in 2008 and in 2011 he was appointed McGill's Pediatrician-in Chief.

In his more than 25 years on the McGill faculty he has been a highly successful teacher, covering a broad range of clinical and physiological topics: neonatal neurology, epilepsy, neurometabolic diseases, diagnosis and management of developmental disabilities of all degrees, learning disabilities, headache, neurogenetics, neurocutaneous syndromes, neuroimaging, and ataxias. He has also, notably, addressed the issue of participation by physicians and neuroscientists in the rise of the Holocaust. In 1998 he received the Clinical Teaching Award of McGill's Department of Neurology/Neurosurgery.

Dr. Shevell's research interests are similarly broad, although his achievements have shown a remarkable degree of focused productivity. He has meticulously addressed the important question of phenotypic variation of neurogenetic disorders. He has employed magnetic resonance spectroscopy to define the effects of neurometabolic conditions on the central and peripheral nervous systems. He has designed and executed studies of the timing and effectiveness on therapeutic interventions on the neurological outcomes experienced by neonates at high risk for unfavorable neurological outcomes.

Dr. Shevell's research activities, supported in part by 29 grants, are reflected to date in 211 peer-reviewed publications, with 16 additional accepted papers currently "in press." Work is currently underway on 13 additional "submitted" papers. Among these publications there is a wide-range of topics. Neurodevelopmental

disturbances, genetically determined or otherwise, are represented in 136 papers, providing information about pathogenesis, clinical manifestations, and rehabilitative efficacy of interventions. Considerations are broad, including not only motor, intellectual, social, and behavioral aspects, effects of gender, and imaging characteristics, but the manner in which stress on child or family may be alleviated, the value of leisure activities, the efficacy of "alternative medicine," and other aspects of the quality of life of child and family. The next largest collection of papers (38) address in considerable and thoughtful detail the diagnosis and management of neurological diseases of the neonate. Other topics include heritable metabolic conditions (31), various forms of epilepsy (29), stroke (22), neuroimaging (23), conditions involving muscle or peripheral nerve (14), migraine (7), and psychiatric conditions (4). While the majority of professional papers in medicine are never cited or are cited just a few times, 38 of Dr. Shevell's original contributions to our literature have received more than 25 citations, 14 have achieved more than 50, and two more than 100.

Ethical issues in child neurology have represented a particularly valuable concentration of Dr. Shevell's career, a concern that he has extended to aspects of professional and societal ethics in the 20 papers exploring the history of "racial hygiene" in the Third Reich. These studies comprise a cautionary tale as to how intelligent physicians and scientists in an advanced culture may convince themselves to abrogate personal responsibility and make terrible ethical compromises. These thoughtful papers remind us that there are far lesser degrees to which we all may be subject to such failings. He has reminded us as well that there remain very difficult questions such as "What is enough?" and "Is there such a thing as too much in providing care for severely ill neonates?" Dr. Shevell has also published 16 thoughtful editorials or commentaries,

Ethical issues in child neurology have represented a particularly valuable concentration of Dr. Shevell's career.

and 64 chapters or invited reviews. Dr. Shevell has served as editor of an important volume on the scientific and clinical foundations of the care of individuals with neurodevelopmental disabilities (2009), and co-edited with Steven Miller a book on acquired foetal and neonatal brain injury, published in 2012. Dr. Shevell is among the editors of the *6th Edition of the Swaiman Textbook of Pediatric Neurology*, currently in preparation.

Dr. Shevell has supervised or co-supervised the research training of 36 promising individuals since 1993. He has also supervised the training of 37 child neurologists since 1991. Among the many things he has wished to instill in those he has trained, the most important qualities

are curiosity, honor, and compassion. He clearly instills his love of neurology, pediatrics, and neuroscience, demonstrating that his extraordinary labors have never taken the slightest toll on his personal life.

Dr. Shevell has long been in demand as a lecturer throughout Canada, having to-date delivered 54 invited lectures. He has been similarly in demand internationally as keynote speaker, lecturer, and visiting professor, logging 107 presentations in 18 countries. and is an important participant in the activities of the national and international societies pertinent to his disciplines. He has organized 22 educational and research symposia. He has served on the Ethics and Scientific Program committees of the CNS and was Chair of the Local Organizing Committee for the 1998 CNS meeting in Montreal. Dr. Shevell is currently the longest tenured member of the Executive Board of the International Child Neurology Society and brilliantly organize the superb 10th International meeting of ICNA in Montreal in 2006.

Dr. Shevell is married to Annette Majnemer, PhD. The couple have two children, Allison (26) and Meaghan (23). The chief interests of his life outside of medicine have been his wife and family, the study of history, and playing golf.

Q&A

View to a Canadian Star

Editor's Note: Canada doesn't have a lot of child neurologists. But what it lacks in numbers, it makes up for in quality. Dr. Michael Shevell is a case in point. Dr. Shevell has spent his career at McGill University in Montreal, where he currently serves as Chairman of the Department of Pediatrics and Pediatrician-in-Chief at Montreal Children's Hospital. A visionary leader, a consummate teacher, a gifted clinician, and an imaginative researcher, Dr. Shevell is the recipient of the 2014 Hower Award.



Michael Shevell is flanked by daughter, Allison (L) and wife, Annette Majnemer, PhD in front of poster Allison presented at the 2013 CNS Annual Meeting

QUESTION | *Dr. Shevell, congratulations on being selected as the 2014 winner of the Hower Award! How does it feel to win such a prestigious award from your colleagues?*

It quite literally took my breath away. To be added to a list that defines the major contributors to our wonderful specialty is an honor beyond that which words can do justice.

QUESTION | *How is it that you became a child neurologist? Did something spark your interest at a certain time?*

Literally carved into the wall of the Montreal Neurological Institute that I would often pass as a medical student is this quote from Wilder Penfield: "The problem of neurology is to understand man himself." If you want to understand the man, you have to start with the child. I was also extremely fortunate to have in first year medical school a remarkable course called "CNS" that was well ahead of the pedagogic curve. In one seamless course that was unique back then, the basic science of the nervous system was directly related to clinical

problems. That hooked me into neurology. It became clear to me that the problems of child neurology were more interesting than those of adult neurology. Plus, let's face it, a two year old in diapers is a lot cuter and more fun than an 80 year old in diapers.

QUESTION | *What do you feel has been your most important contribution to the field of child neurology?*

I think I have put forward the key framework that there is both a "neuro" in "neurodevelopmental" and equally important there is a "developmental" in "neurodevelopmental". By this I mean that every developmental dysfunction has an underlying neurologic basis. And this neurologic dysfunction takes place on the backdrop of a wondrous organ that is continuously evolving as the individual matures.

QUESTION | *You've written a lot of papers on a wide array of topics. Which one do you think is your best?*

That's like asking who is your favorite child? What's best is a subjective

decision that depends on the reader. If it helps to further the reader's understanding or alter practice so that a better outcome is achieved for even one reader, then the paper has been worth the effort.

QUESTION | *You've won awards for your teaching. What makes a physician a good teacher?*

Be aware of the skill level of the learner. Start with the patient, then bring in the relevant science, and always bring it back to the patient. Let the learner think it through by questioning. Gently guide, but challenge. Leave them hungering for more. And, most importantly, make it fun.

QUESTION | *You've written many articles and delivered numerous lectures in the history of medicine – especially regarding neurology in the Third Reich. How did you become interested in that topic?*

It was a matter of chance. I was reading a book on that era, and there was a footnoted reference to Julius Hallervorden, which piqued my interest. I was saddened to learn

that the industrial-scale murder that was the killing fields of the Third Reich began with the vulnerable physically and intellectually disabled children who, in another time and place, would have been patients in our clinics. I was shocked to learn that “respected” academic physicians were party to this and took professional advantage of the situation to advance their careers. I also could discern troubling parallels to other times, including our own. It was a story that I felt needed to be told, if only not to forget, but also to learn from. I have derived much personal satisfaction over the years from these efforts. I totally lack the ability to draw or play music, but I can write, and this was a welcome creative outlet.

QUESTION | *You have lectured in ethics and served for a long time as Chair of the Ethics Committee for the CNS. How did you gain your interest and expertise in ethics?*

The troubling history I learned about medicine in the Third Reich naturally tapped into an innate interest in philosophy and how we can be sure “to do the right thing” in medicine. This is especially challenging in child neurology, as our patients are doubly vulnerable by virtue of age and frequent intellectual disability. Expertise came organically from serving on the Ethics Committee and interactions over the years with colleagues such as Stephen Ashwal, Jim Bale, Leon Epstein, Bill Graf and Geoff Miller. I have also formed ongoing collaborations with true ethicists, such as Jim Bernat, Eric Racine and Emily Bell, which have been educations unto themselves.

QUESTION | *What advice would you give to a medical student who is interested in the field of child neurology?*

Go for it. Students with an interest in neurology often get dissuaded by jaded clinicians who say it’s a great field but

that you can’t do anything for the patient. We don’t cure much (but then who really does in medicine?), but we can always leave the patient and family a little better. Focus on what you can change. Indeed the major challenge to the child and family might not be the obvious one that you are focusing on. Ask them what matters to them. Also, we are living in a remarkable time. Molecular biology and neuro-imaging advances have blown open the ‘black box’ of the brain, and our understanding of the brain is rapidly increasing. This will further facilitate the transition of child neurology from a descriptive discipline to an interventional one. These are exciting times to be a child neurologist, and I truly envy those starting. Also two of the best things about child neurology are that it’s a “team sport” involving input from a host of disciplines and professions, and you get to spend your days with kids.

Special Interest Groups...

...log on to the newly launched “Connect” website to maximize momentum and streamline communication leading into the CNS Annual Meeting.

Connect.childneurologysociety.org



RESEARCH FOCUS

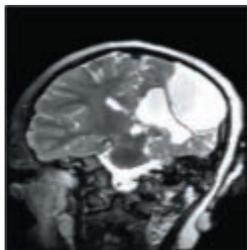


Jeffrey Gold, MD, PhD

Taking the Guesswork out of Perinatal Stroke

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

Anyone who has practiced child neurology knows that formulating an accurate prognosis for a baby with a perinatal stroke is problematic at best, and a crapshoot at worst. Two babies with similar-appearing strokes on neuroimaging can turn out very differently – one with epilepsy, cerebral palsy, and cognitive deficiencies, and the other with minimal or no deficits whatsoever. What underlies this wide range of outcomes? The goal of Dr. Jeffrey Gold's research is to identify the factors that determine outcome in perinatal stroke. In particular, among patients with perinatal stroke, he is examining the role of epileptic seizures during the neonatal period on cognitive outcomes and the risk for epilepsy later in life.



MRI image of a toddler who suffered a left middle cerebral artery stroke during the perinatal period. The patient has left ventriculomegaly and a diminished volume of the hippocampus on the left. This patient has cognitive deficiencies and seizures. Dr. Gold's research aims to determine how the seizures, cognitive deficiencies, and hippocampal volume loss relate to one another.

Dr. Jeffrey Gold is an Assistant Professor of Pediatrics and Neurology at the University of California San Diego. Together with his mentor, Dr. Doris Trauner, Dr. Gold has recently shown that seizures beyond the neonatal period are correlated with impairment on memory tests and lowered IQ scores. In contrast, seizures during the neonatal period are not associated with these negative outcomes. Thus, the timing of the seizures (neonatal vs. later) appears to be critically important.

Equally interesting, Drs. Gold and Trauner found that perinatal strokes can lead to hippocampal volume loss, even if the stroke itself does not directly involve the hippocampus. The mechanism of this hippocampal atrophy is unclear, but its importance is clear, as the hippocampal volumes were inversely correlated with memory performance.

The finding among babies with stroke that seizures beyond the neonatal period are correlated with a worsened prognosis raises two competing hypotheses. The first is that a more injurious stroke may lead to seizures, worsened cognition and hippocampal atrophy. In other words, the worse the stroke, the worse the effects. In this scenario, the seizures are just one more manifestation of an injured brain. The second possibility is that the presence of seizures beyond the neonatal period actually drives a pathologic process that leads to hippocampal atrophy and worsened cognitive deficits. In this scenario, the seizures are not just an effect of the stroke, but a cause of the neurologic worsening.

Dr. Gold's research is exploring these two possibilities. Through the use of serial MRI scans, EEGs, and cognitive testing, Dr. Gold hopes to dissect out which factors are cause and which factors are effects in the complex relationships among stroke injury, epileptic seizures, hippocampal injury, and cognitive deficiencies.

This line of research could substantially impact the practice of neonatal neurology. If the first scenario is correct (worsened stroke leads to worsened epilepsy and worsened cognition), then the emphasis should be placed on neuroprotective treatments aimed at minimizing the stroke injury. If the second scenario is correct (seizures beyond the neonatal period worsen brain atrophy and worsen cognition), then the emphasis should be placed on the aggressive control of seizures. Perhaps both are correct. Either way, Dr. Gold's research may soon shed important light on this critically important topic and allow child neurologists to make more meaningful prognoses and treatment recommendations.

PHILIP R. DODGE YOUNG INVESTIGATOR AWARD ENDOWMENT FUND

Making History, and Fulfilling a Dream in Columbus

The CNS thanks the following for
their contributions in 2014.

WE COULDN'T DO IT WITHOUT YOU!

**Dodge Endowment Steering Committee,
2009-2014, Darryl C. De Vivo, MD, Chair**

**Mallinckrodt Pharmaceuticals
Autoimmune and Rare Diseases
(formerly Questcor Pharmaceuticals, Inc.)
\$25,000 YIA Grant 2009-2014, annually
\$150,000 Grant, 2014**

**Pediatric Epilepsy Research Foundation (PERF)
Matching Capstone Grant, 2014**

Be a Part of CNS History

If CNS members give \$100K to the Dodge Endowment by Friday, PERF will cap the balance needed (\$150K+) to reach the \$1 million goal.

GIVE at the Dodge booth or on the CNS Website.

Boost your \$\$ with the
PERF MATCHING GRANT

Stop by Dodge Display or go
on-line to donate with credit card
at www.childneurologysociety.org

I would like to contribute to the CNS Philip R. Dodge Young Investigator Award Endowment Fund.

\$100 \$ 250 \$ 500 \$1,000 \$5,000

Name _____

Address _____

City _____ State _____ Zip _____

Tel _____ Fax _____ E-mail _____

VISA or MasterCard # (no American Express):

_____ Exp _____ Signature _____

Checks payable (US funds only) to Child Neurology Society, 1000 West County Road E, Suite 290, St. Paul, MN 55126

Annual Meeting Schedule at a Glance

TUESDAY, OCTOBER 21

2:00 PM-9:30 PM | Delaware AB

CNS NSADA Retreat

2:00 PM-6:00 PM | Regency South Foyer

Registration

2:00 PM-6:00 PM | Champaign

Speaker Ready Room

7:00 PM-9:00 PM | Taft C

ACNN Reception

WEDNESDAY, OCTOBER 22

6:00 AM-6:00 PM | Champaign

Speaker Ready

6:00 AM-5:30 PM | Regency South Foyer

Registration

6:00 AM-5:00 PM | Stateroom

Podcast Room

6:30 AM-7:30 AM | Regency South Foyer

Symposium I: NDC Autism Continental Breakfast

7:30 AM-5:00 PM | Regency Ballroom

Symposium I: NDC Autism

7:00 AM-5:00 PM | Delaware AB

ACNN Meeting

8:00 AM-1:00 PM | Franklin AB

Coordinator Session (Campbell/Feist)

8:00 AM-6:00 PM | Taft A

International Pediatric Stroke

8:00 AM-6:00 PM | Battelle North

Exhibits (set up)

11:30 AM-1:00 PM | Battelle South

Symposium I: NDC Autism Lunch

2:00 PM-5:00 PM | Franklin A-C

PCN Member Meeting

4:00 PM-11:00 PM | Battelle North

Posters (set up)

5:15 PM-6:00 PM | Regency Ballroom

Enterovirus 68 Informational Session

6:00 PM-8:00 PM | Regency South Foyer

Opening/Welcome Reception

8:00 PM-11:00 PM | Franklin A-C

Movement Disorders SIG

8:00 PM-10:00 PM | Delaware AB

Pediatric Demyelinating SIG (Alper)

THURSDAY, OCTOBER 23

6:00 AM-6:00 PM | Champaign

Speaker Ready

6:00 AM-6:00 PM | Regency South Foyer

Registration

6:00 AM-5:00 PM | Stateroom

Podcast Room

6:30 AM-7:00 AM | Franklin, Union & Delaware Foyers

Continental Breakfast (Breakfast Seminar 1)

7:00 AM-8:15 AM | Franklin

Breakfast Seminar 1: Epilepsy Therapy Update (Shellhaas)

7:00 AM-8:15 AM | Union

Breakfast Seminar 2: Update on the Leukodystrophies (Vanderver)

7:00 AM-8:15 AM | Delaware

Breakfast Seminar 3: NDD Exam Using Telemedicine (Menon)

8:15 AM-8:45 AM | Regency South Foyer

CNS AM Break

8:50 AM-9:00 AM | Regency Ballroom

Lifetime Achievement Awards

9:15 AM-12:00 PM | Regency Ballroom

Symposium 2 Presidential Symposium: (Schor/Mink)

11:00 AM-6:00 PM | Battelle North & South

Exhibits & Poster Review

12:00 PM-12:30 PM | Regency Ballroom

CNS Business Meeting

12:00 PM-2:30 PM | Delaware AC

ACNN Lunch/Meeting

12:30 PM-1:30 PM | Battelle North & South

Lunch (with Exhibits & Poster Review)

12:30 PM-1:30 PM | Fairfield

MOC & Lifelong Learning Luncheon | Ticket Required

12:30 PM-1:30 PM | Garfield

Practice Committee

12:30 PM-1:30 PM | Nationwide A

International Affairs Committee

12:30 PM-1:30 PM | Nationwide B

PRDYIA Steering Committee

1:45 PM-4:00 PM | Regency Ballroom

Symposium 3: Genetics & Biology of Early Life Epilepsies (Paciorkowski)

4:00 PM-6:00 PM | Battelle North & South

Child Neuro News Break Poster Review

4:30 PM-6:00 PM | Grant

Legislative Affairs Committee

5:00 PM-6:00 PM | Franklin AB

Neonatal SIG

5:00 PM-7:00 PM | Harding

Neurogenetics SIG

5:00 PM-7:00 PM | Union DE

Neurodevelopmental SIG

6:00 PM-7:00 PM | Delaware AB

Traumatic Brain Injury SIG

6:15 PM-8:00 PM | Grant

Educational SIG

FRIDAY, OCTOBER 24

6:00 AM-6:00 PM | Champaign

Speaker Ready

6:00 AM-6:00 PM | Regency South Foyer

Registration

6:00 AM-5:00 PM | Stateroom

Podcast Room

6:30 AM-7:00 AM | Regency Foyer

Continental Breakfast (Breakfast Seminar 4)

7:00 AM-8:15 AM | Regency Ballroom

Breakfast Seminar 4: A to Zzzzz's (Maski)

6:30 AM-7:00 AM | Union & Franklin Foyer

Continental Breakfast Seminars 5 & 6

7:00 AM-8:15 AM | Union DE

Breakfast Seminar 5: The Neurological Sciences Academic (Schlaggar)

7:00 AM-8:15 AM | Franklin AB

Breakfast Seminar 6: Collaboration, tech and innovation (Sprague-McRae)

8:30 AM-10:15 AM | Franklin

Platform Session I (Mink)

8:30 AM-10:15 AM | Union

Platform Session II (Mink)

9:00 AM-2:30 PM | Battelle North & South

Exhibits & Poster Review

10:15 AM-10:45 AM | Regency Foyer

Break

10:45 AM-11:15 AM | Regency Ballroom

Awards Presentation

11:15AM-11:45 AM | Regency Ballroom

Philip R. Dodge Young Investigator Award Lecture (Smyser)

11:45 AM-12:30 PM | Regency Ballroom

Sachs Award Lecture (deVeber)

12:00 PM-2:00 PM | Delaware AC

ACNN working lunch/meeting

12:45 PM-2:00 PM | Battelle North & South

Lunch (with Exhibits & Poster Review)

12:45 PM-2:00 PM | McKinkley

Junior Member Lunch – Meet the Editors | Ticket required

12:45 PM-2:00 PM | Harding

Awards Committee

12:45 PM-2:00 PM | Nationwide A

Ethics Committee

12:45 PM-2:00 PM | Delaware D

Research Committee

12:45 PM-2:00 PM | Marion

Membership Committee

2:15 PM-4:30 PM | Regency Ballroom

Symposium 4: Non-Progressive Cerebellar Ataxia (Salman)

4:45 PM-6:00 PM | Grant

Junior Member Seminar 1 - Finding a Residency

4:45 PM-6:00 PM | Harding

Junior Member Seminar 2 - Finding a Fellowship

4:45 PM-6:00 PM | McKinley

Junior Member Seminar 3- Getting your first job

4:45 PM-6:00 PM | Union DE

Electronic Communications Committee

4:45 PM-6:00 PM | Nationwide A

AAP Section on Neurology – Advocacy Meeting

5:00 PM-6:00 PM | Harrison

MOC Committee

5:00 PM-6:00 PM | Franklin AB

Neuromuscular SIG

5:00 PM-6:00 PM | Franklin D

Autonomic Disorders

5:00 PM-6:00 PM | Delaware D

Headache

5:15 PM-6:00 PM | Nationwide B

Quality SIG

5:15 PM-6:00PM | Delaware AB

Sleep SIG

5:30 PM-6:30 PM | TBA

2015 Presidential Symposium Planning Committee (Neural Crest Tumor)

6:00 PM-7:00 PM | Garfield

Scientific Program Committee

6:00 PM-7:00 PM | Union DE

Stroke SIG

7:00 PM-10:00 PM | Battelle South

GALA Reception

SATURDAY, OCTOBER 25

6:00 AM-11:00 AM | Champaign

Speaker Ready

6:30 AM-11:30 AM | Regency South Foyer

Registration

6:00 AM-11:00 AM | Stateroom

Podcast Room

7:00 AM-7:30 AM | Franklin Foyer

Continental Breakfast (Breakfast Seminars 7, 8 & 9)

7:30 AM-8:45 AM | Franklin

Breakfast Seminar 7: The Buzz on Medical Marijuana (Park)

7:30 AM-8:45 AM | Delaware A-C

Breakfast Seminar 8: Neuroimaging Update in TBI (Pizoli)

7:30 AM-8:45 AM | Union

Breakfast Seminar 9: Neuro-Autoimmune Frontiers (Selman)

9:00 AM-9:45 AM | Regency Ballroom

Hower Award Lecture (Shevell)

10:00 AM-12:15 PM | Regency Ballroom

Symposium 5: Code Stroke (Amlie-Lefond)

2014 CNS Annual Meeting Passport Program

THREE GREAT PRIZES!

Prize One

2015 CNS Annual Meeting Package

DRAWING: 10:45 AM, Friday

- Two hotel nights in meeting hotel (Gaylord National, outside Washington, DC)
- \$500 travel voucher (provided by Child Neurology Foundation)
- Registration fee waiver

Prize Two

2015 CNS Annual Meeting Package

DRAWING: 8:45 AM, Saturday

- Two hotel nights in meeting hotel (Gaylord National, outside Washington, DC)
- \$500 travel voucher (provided by Child Neurology Foundation)
- Registration fee waiver

Prize Three

“E” Book Combo

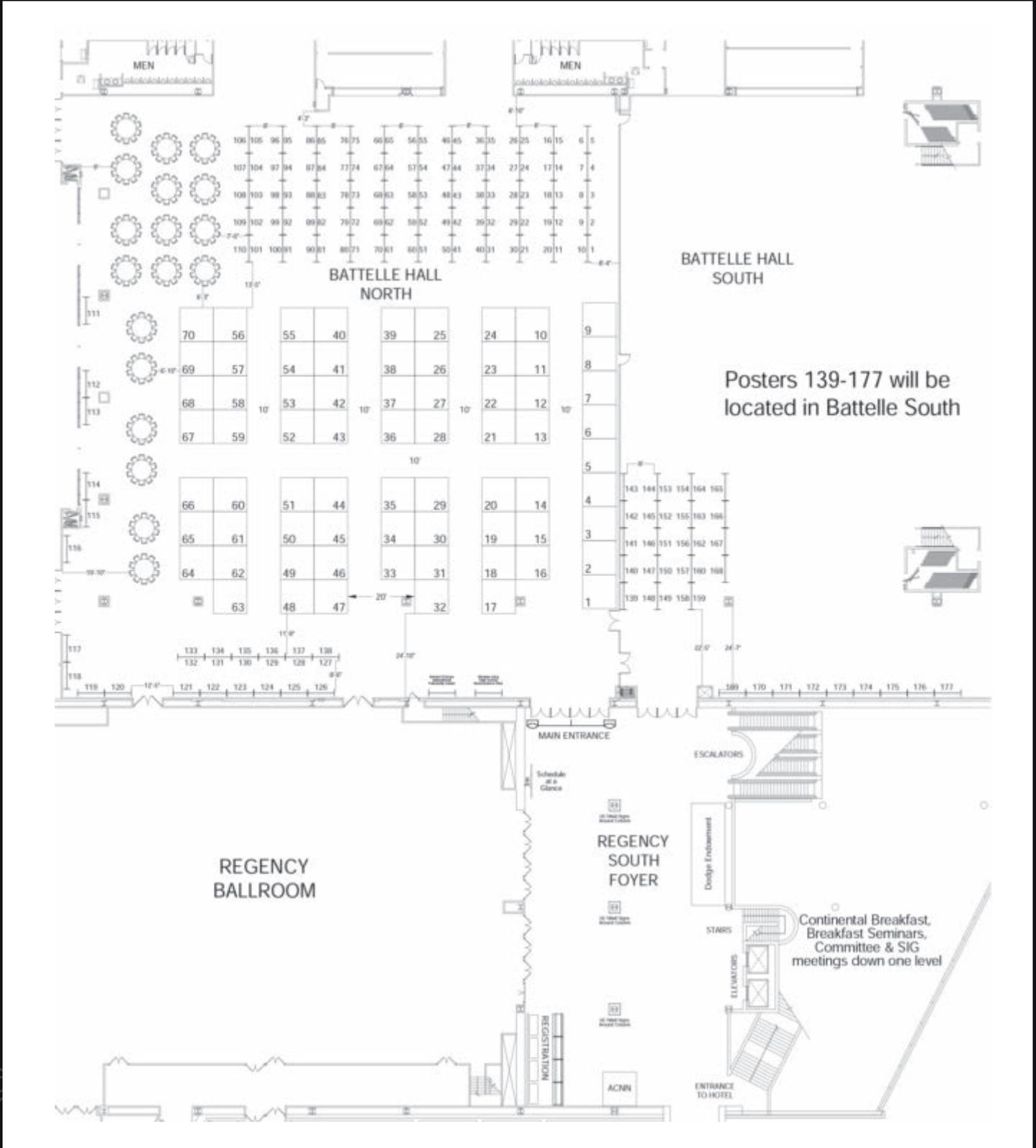
DRAWING: 8:45 AM, Saturday

- E-Reader: 1 Kindle Fire &
- Encounter Guide: 2014 Child Neurology Encounter Guide (hard copy & Apple iBook)

HOW IT WORKS

1. Each attendee receives a “passport” in registration packet with exhibit hall floorplan
2. Each of the five aisles on the exhibit floor is assigned a different color sticker
3. Attendee’s with ONE OR MORE sticker(s) from each of five aisles will drop their completed passport off at the meeting registration desk at the end of the day
4. Friday morning winner will receive a 2015 CNS Annual Meeting package, including two free hotel nights, airfare voucher, and registration waiver: estimated value of \$1500
5. Two prizes will be awarded Saturday morning.
 - * 2015 CNS Annual Meeting package, including two free hotel nights, airfare voucher, and registration waiver: estimated value of \$1500
 - * E-Reader Gift Pack: a Kindle E-Reader and a Child Neurology Encounter Guide

Floor Plan - Exhibits & Posters



Roster of Exhibits

The 43rd Annual Meeting of the Child Neurology Society

4p- Support Group (#68)

Our mission is to serve our membership by providing information, education and support; uniting families, researchers, and professionals; and promoting awareness and understanding of 4p- syndrome, with Wolf-Hirschhorn Syndrome as the main condition, and the related 4th chromosome abnormalities. We are now enrolling patients in to our International 4p- Patient Registry.

Alternating Hemiplegia of Childhood Foundation (#22)

The Alternating Hemiplegia of Childhood Foundation is a nonprofit organization supporting AHC patients and their families. The foundation supports research to identify the causes of AHC, develop effective treatment protocols, and ultimately find a cure. Through the education of healthcare professionals, we promote early and proper diagnosis of the disorder.

Ambry Genetics (#9)

Ambry Genetics is a CAP accredited and CLIA-certified commercial clinical laboratory with headquarters in Orange County, California. Since 1999, Ambry has always been at the forefront of applying new technologies to the clinical molecular diagnostics market and strives to continue contributing to the advancement of disease research.

American Academy of Pediatrics, Section on Neurology (#52)

The AAP is an organization with 60,000 pediatrician and medical subspecialists committed to the optimal physical, mental, and social health and well-being for all infants, children, adolescents, and young adults. The Section Executive Committee will give information and answer questions regarding membership, activities and initiatives.

American Board of Psychiatry & Neurology (#33)

The American Board of Psychiatry and Neurology serves the public interest and the professions of psychiatry and neurology by promoting excellence in practice through its certification and maintenance of certification processes. ABPN also oversees the certification process for physicians seeking certification in child and adolescent psychiatry.

Association of Child Neurology Nurses (Registration Foyer)

The Association of Child Neurology Nurses is an international non-profit organization of nurses and other health care professionals who promote excellence in child neurology nursing practice. The ACNN provides educational opportunities at national and regional conferences, nursing excellence awards, research support, newsletters, and online membership contacts for networking. Additional information and how to join can be found at www.acnn.org.

Association for Creatine Deficiencies (#38)

The Association for Creatine Deficiencies provides patient, family and public education to advocate for early intervention through newborn screening, and promote and fund research for treatments and cures for Creatine Deficiency Syndromes. With growth in statistics, testing and patients needing support, ACD was established to bring this community of patients, families, schools and professionals together.

Batten Disease Support and Research Association (#6)

BDSRA is the largest support and research organization in North America for Batten disease. It is dedicated to funding research, advancing education, and providing family support services. Batten disease is a neurodegenerative disease, and is the most common inherited neurodegenerative disease found in children. There is currently no treatment or cure. See www.bdsra.org

Baylor College of Medicine (#63)

Baylor College of Medicine's, Medical Genetics Laboratories offer a broad range of diagnostic genetics tests including DNA diagnostics, sequencing, cytogenetics, FISH diagnostics, cancer cytogenetics, chromosomal microarray analysis, whole exome sequencing, biochemical genetics, and Mitochondrial DNA analysis. Additionally we have a full range of testing for Autism Spectrum Disorders. Please visit our booth for more information.

Carolinas HealthCare System (#7)

Carolinas Pediatric Neurology Care, a Carolinas HealthCare System practice, is currently seeking a Child Neurologist and Pediatric Epileptologists. CPNC physicians are a part of over 125 pediatric subspecialists at Jeff Gordon Children's Hospital (50 beds) in Concord, NC and Levine Children's Hospital (236 beds) in Charlotte, NC. JGCH has the region's only pediatric dedicated EMU.

Charleston Area Medical Center (#37)

Charleston Area Medical Center ("CAMC") is a nonprofit, 908-bed, regional referral and academic medical center. CAMC is home to the only freestanding children's hospital in the state and the region's largest and busiest Level IV neonatal intensive care unit and Level I pediatric intensive care unit.

Child Neurology Foundation (CNF) (Registration Foyer)

The CNF advocates for families with neurologic-challenges. Indirect supports include keeping children's needs in front of legislators, creating research careers, and providing programs to grow the all-too-small field of child neurologists. Our Child Neuro Network delivers relevant, accurate information and resources to families; peer-support communities; and links to the top affiliate experts.

Children's Healthcare of Atlanta (#50)

Children's Healthcare of Atlanta is where everyone across our organization is dedicated to all better for children and their family. Voted Fortune Magazine 100 Best Employers To Work For In America, Working Mother Magazine Best Place To Work and a US News & World Report Top 25 Pediatric Hospitals.

Children's Mercy Hospital Kansas City (#51)

Children's Mercy Hospital Kansas City, an independent, 354-bed pediatric health system, serves half a million patients annually, is ranked by U.S. News & World Report as one of "America's Best Children's Hospitals" and maintains Magnet® recognition. Affiliated with UMKC, the faculty practice includes clinical care, pediatric research and education. www.childrensmercy.org. AAP/EEO

CombiMatrix (#25)

CombiMatrix is a molecular diagnostics CLIA laboratory specializing in DNA-based testing and counseling services for pediatric, miscarriage analysis and prenatal needs. CombiMatrix provides chromosomal microarray/SNP testing, a first-tier clinical diagnostic test for childhood syndromes including developmental delay/intellectual disability (DD/ID) and autism spectrum disorders (ASD). We are known for our exceptional genetic counselors, fast turn-around-time and sensitive test results. www.combimatrix.com.

Cook Children’s Health Care Center (#40)

With one of the largest, most technologically advanced pediatric neurosciences programs in the Southwestern United States, Cook Children’s Health Care System is redefining the future of children with neurological conditions. Our leading edge programs and services include pediatric deep brain stimulation, Level 4 EMU, MEG and iMRI for epilepsy treatment.

Courtagen Diagnostics Laboratory (#62)

Courtagen is a CLIA accredited genetic testing laboratory and molecular information company focused on neurological and metabolic disorders. Courtagen Next Generation Sequencing tests include mtSEEK® and nucSEEK® for mitochondrial disorders, epiSEEK® for epilepsy and seizure disorders, and both devSEEKTM and devACTTM for developmental delay, intellectual disability, and autism spectrum disorders.

Cyberonics (#43)

Cyberonics, Inc. is the leader in device solutions for epilepsy and is committed to consistently delivering innovative and effective solutions for physicians, caregivers and people with epilepsy. Cyberonics’ VNS Therapy® is available in more than 70 countries for the treatment of drug-resistant epilepsy, with more than 80,000 patients implanted worldwide.

Dravet Syndrome Foundation (#26)

The mission of Dravet Syndrome Foundation (DSF) is to aggressively raise research funds for Dravet syndrome and related epilepsies; to increase awareness of these catastrophic conditions; and to provide support to affected individuals and families.

SPONSOR

Eisai Inc. (#16, 17, 18)

Eisai Inc. is the U.S. pharmaceutical operation of Eisai Co., Ltd., a research-based human health care (hhc) company that discovers, develops and markets products throughout the world. Headquartered in Woodcliff Lake, New Jersey, Eisai’s key areas of commercial focus are neurology and oncology. For more information, please visit www.eisai.com/US.

Electrical Geodesics, Inc. (EGI) (#35)

Whole-head, fMRI-compatible EEG with 32, 64, 128, or 256 channels. Complete systems include the Geodesic Sensor Net for easy and comfortable application, amplifier, and software with Metafile Format that facilitates interoperability with third party software. EGI also offers source estimation software, experimental control workstations, and integrated eye tracking systems.

ELSEVIER, INC. (#24)

ELSEVIER is a leading publisher of health science publications, advancing medicine by delivering superior reference information and decision support tools to doctors, nurses, health practitioners and students. With an extensive media spectrum — print, online and handheld, we are able to supply the information you need in the most convenient format.

GeneDx (#20)

GeneDx is highly respected laboratory, specializing in genetic testing for rare Mendelian disorders. GeneDx offers sequencing and deletion/duplication testing for inherited cardiac disorders, mitochondrial disorders, neurological disorders, inherited cancer disorders, prenatal disorders and other rare genetic disorders. GeneDx also offers whole exome sequencing, next-generation and microarray-based testing. For details, visit www.GeneDx.com.

Glut1 Deficiency Foundation (#42)

The Glut1 Deficiency Foundation is a volunteer, non-profit family organization dedicated to educating others, increasing awareness of and advocacy for Glut1 Deficiency, and supporting researchers as they work for better treatments and an ultimate cure.

Huntsville Hospital for Women & Children (#19)

Huntsville Hospital Pediatric Neurology is seeking a child neurologist to join a busy and still growing practice which provides outpatient and consulting service for Huntsville Hospital Women and Children. Huntsville Hospital is the nation’s ninth largest community based non-profit hospital which serves northern Alabama and adjacent areas.

Invitae (#61)

Invitae, a genetic information company, is aggregating the world’s genetic tests into a single service with better quality, faster turnaround time and lower price than most single-gene tests today. Our mission is to bring genetic information into routine medical practice to improve the quality of healthcare for billions of people.

Kennedy Krieger Institute (#39)

Located in the Baltimore/Washington region, Kennedy Krieger Institute is internationally recognized for improving the lives of 20,000 children and adolescents with disorders and injuries of the brain, spinal cord, and musculoskeletal system each year, through inpatient and outpatient clinics; home and community services; and school-based programs.

Le Bonheur Children’s Hospital Neuroscience Institute (#44)

The Neuroscience Institute at Le Bonheur Children’s Hospital in Memphis, TN is one of the nation’s best pediatric neuroscience programs. Recognized by U.S. News & World Report, Le Bonheur’s program has the most advanced technology, clinical expertise and state-of-the-art facilities of any pediatric neurology program.

Roster of Exhibits

The 43rd Annual Meeting of the Child Neurology Society

SPONSOR

Lundbeck (#1, 2, 3, 4, 14)

Headquartered in Deerfield, Illinois, with a portfolio specialty central nervous system (CNS) therapies and a robust pipeline of promising CNS compounds, Lundbeck is committed to providing innovative therapies that fulfill unmet medical needs of people with CNS disorders, including rare diseases, for which few, if any, effective treatments are available.

SPONSOR

Mallinckrodt Pharmaceuticals Autoimmune and Rare Diseases (formerly Questcor Pharmaceuticals, Inc.) (#12, 13, 21)

Questcor is a biopharmaceutical company focused on the treatment of patients with serious, difficult-to-treat autoimmune and inflammatory disorders. Our efforts are currently focused on the fields of neurology, nephrology, and rheumatology, areas of medicine which have significant unmet medical needs. For questions, please contact Questcor customer service at 1-800/411-3065

Medical Neurogenetics, LLC (#53, 54)

Medical Neurogenetics provides expert diagnostics through clinical services, complex biochemical testing and Next Generation Sequencing. Our panels are the most cost effective and comprehensive available, particularly for cellular energetics, muscular dystrophies, and epilepsy. A major focus is to provide rapid sequencing / metabolic diagnostics. Our first available is an Anticonvulsant-Resistant Epilepsy Rapid Evaluation Kit.

Medikidz (#27, 28)

Medikidz is an exciting initiative in children's health education, which aims to provide accurate and relevant medical information for young people. Medikidz believes that every child deserves access to medical information they can understand. We are creating a global community of young people that are informed, empowered and health-aware.

Merz Neurosciences (#23)

Merz North America is a specialty healthcare company that develops and commercializes innovative, high-quality treatment solutions in neurosciences in the U.S. and Canada. Cuvposa[®] (glycopyrrolate) is the only FDA-approved treatment to reduce chronic severe drooling in pediatric patients (aged 3-16) with neurologic conditions, such as cerebral palsy.

Mission Health (#34)

Located in Asheville, Mission Children's Hospital (MCH) is the only children's hospital in western North Carolina. The hospital's services include pediatric and adolescent specialty care, and neonatal and pediatric intensive care. MCH is currently recruiting a child neurologist to expand its two physician practice.

Moberg (#60)

Moberg provides ICU solutions for multimodal data integration and EEG. The Moberg CNS Monitor displays continuous raw and processed EEG, including amplitude integrated EEG, time-synchronized with other physiology such as vital signs, near-infrared spectroscopy, and temperature. The CNS Monitor's intuitive user-interface and embedded multimedia instructions make the system easy to use and customize.

National Institute of Neurological Disorders and Stroke (NINDS) (#15)

The National Institute of Neurological Disorders and Stroke provides information about available research support and funding mechanisms, as well as free publications for patients and their families on neurological disorders. NINDS staff members will be available to assist you at the meeting. Printed material will be available.

SPONSOR

Nationwide Children's Hospital (#31, 32)

The Neurosciences Center at Nationwide Children's is home to leading expertise in pediatric neurological disorders. Unique areas of focus include stroke, intracranial hypertension, spinal muscular atrophy and muscular dystrophy—including groundbreaking clinical and translational research in neuromuscular disorders. Nationwide Children's is also ranked in the top 10 for NIH funding among free-standing children's hospitals.

Novartis Pharmaceuticals (#5)

Novartis Oncology has emerged as a global leader in oncology through targeted research and open partnership in the pursuit of new therapies capable of transforming outcomes for people with cancer. Our research is driven by a distinctive scientific and clinical strategy, focusing on unmet medical needs and disease pathways. For more information, visit www.novartis oncology.com.

Novartis Pharmaceuticals (#55)

Novartis Oncology has emerged as a global leader in oncology through targeted research and open partnership in the pursuit of new therapies capable of transforming outcomes for people with cancer. Our research is driven by a distinctive scientific and clinical strategy, focusing on unmet medical needs and disease pathways. For more information, visit www.novartis oncology.com.

PCDH19 Alliance (#57)

Our mission is to improve the lives of children and families who are affected by PCDH19 Epilepsy. The PCDH19 Alliance focuses on raising and directing funds to scientific research with the goal of finding better, more effective treatments and, ultimately, a cure; providing information and support to affected families; and assisting the efforts of the medical community, so that no family suffers without a diagnosis and the most appropriate medical treatment.

PTC Therapeutics (#58, 59)

PTC Therapeutics, Inc. is a biopharmaceutical company focused on the discovery, development and commercialization of novel orally administered drugs that affect RNA mechanisms influencing protein production. It is PTC's mission to bring therapeutics to patients affected by rare and neglected diseases. Our lead product candidate, Translarna™, is in late-stage clinical development for the treatment of Duchenne muscular dystrophy and cystic fibrosis caused by nonsense mutations. For more information please visit www.ptcbio.com.

Quotient – ADHD System by Pearson (#66)

The Quotient® System accurately measures micro-motion and analyzes shifts in attention state to quantify the severity of neural control deficits associated with ADHD symptoms. Follow-up assessments help you to refine the right treatment plan. Objective data makes conversations with patients more productive and visits more efficient. Visit the Quotient Team to learn more.

Recordati Rare Diseases (#70)

Recordati Rare Diseases (RRD) Inc. is a member of the Recordati Group, which consists of Recordati S.p.A. and Orphan Europe. The Recordati Group, a global pharmaceutical group, was established in 1926 and now has more than 3,200 employees worldwide. RRD's mission is to partner with patients, healthcare providers, advocacy, and industry to make products available to treat rare and severe diseases.

RosmanSearch, Inc. (#11)

RosmanSearch is a dual-specialty, truly expert, high integrity neurosurgical and neurology recruiting service you can trust. We specialize exclusively in neurosciences permanent placement, and our recruitment methodology is data driven and unique in the industry.

SPONSOR

Sarepta Therapeutics (#46, 47, 48, 49)

Sarepta Therapeutics is a biopharmaceutical company focused on developing RNA-based therapeutics to improve the lives of people affected by serious and life-threatening rare genetic disorders such as Duchenne muscular dystrophy. Learn more about our leading RNA technologies and clinical research programs at www.sarepta.com.

SimulConsult (#45)

SimulConsult's® diagnostic decision-support system helps clinicians in genetics, neurology and now, pediatric rheumatology, improving quality and reducing diagnostic costs. NIH support is enabling integration with Epic and Cerner. Clinical and translational genome labs use the Genome-Phenome Analyzer for clinical interpretation, improving speed and accuracy.

The Sturge-Weber Foundation (#8)

The Sturge-Weber Foundation improves the quality of life and care for people with Sturge-Weber through awareness, education and research. The Foundation will be presenting the latest research news, patient support materials and information on awareness events around the country.

Supernus Pharmaceuticals, Inc. (#41)

Supernus Pharmaceuticals, Inc. is a specialty pharmaceutical company focused on developing and commercializing products for the treatment of central nervous system (CNS) disorders. Join us at BOOTH NUMBER to learn more about once-daily Oxtellar XR® (oxcarbazepine) extended-release tablets and once-daily Trokendi XR® (topiramate) extended-release capsules.

Texas Children's Hospital (#10)

The Neuroscience Center at Texas Children's Hospital is committed to creating a healthier future for children by leading in patient care, education and research. Combining Neurology and Neurosurgery with the Jan and Dan Duncan Neurological Research Institute, we are able to identify, monitor and surgically correct the full continuum of neurological conditions.

Tourette Syndrome Association (#69)

The Tourette Syndrome Association (TSA) seeks to identify the cause of, find the cure for, and control the effects of Tourette Syndrome (TS). TSA, in partnership with CDC, offers medical education programs and disseminates educational materials at no-cost. Stop by to receive our free materials for medical professionals and families.

Transgenomic Inc. (#56)

Transgenomic, Inc. specializes in genetic testing for cardiology (FAMILION), neurology, mitochondrial disorders and oncology. Transgenomic develops assays and offers testing with the goal to overall improve medical diagnosis and outcomes for patients.

Upsher Smith Laboratories, Inc. (#29, 30, 36)

Upsher-Smith Laboratories, Inc., founded in 1919, is a growing pharmaceutical company dedicated to its mission of Advancing Pharmacotherapy. Improving Life™. With capabilities ranging from early-stage research to delivering on-market products, Upsher-Smith is committed to developing quality products that enable people to live life to its greatest potential.



Kathy O'Hara, RN

ACNN Update

It's been an exciting year with lots of new changes and more to come. The new website is looking great and we continue working on it to make it the place to go to find out information for child neurology nurses. This year's meeting will be exciting as well as educational. We are celebrating our 30th Anniversary as an organization. The second edition of the *Child Neurology Encounter Guides* will be available for sale at our booth near the registration area. Please come by and take a look. The 7th Annual Run/Walk will be on Thursday October 23rd at 5:00 PM. Please consider participating and/or donating to our only fund raising event, These funds provide important support for Nursing Research in this important field. Looking forward to meeting with you in Columbus.



Jo Ellen Lee, MS, APRN

Claire Chee Excellence in Child Neurology Nursing Award

JO ELLEN LEE, MS, APRN

PROFILE WRITTEN BY AMY VIERHILE, RN

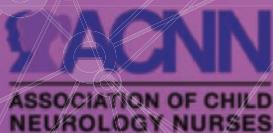
The recipient of the 2014 Association of Child Neurology Nurses Claire Chee Nursing Excellence Award is Jo Ellen Lee, MS, APRN. She is currently a Pediatric Nurse Practitioner at Nationwide Children's Hospital in Columbus, Ohio, as well as a school nurse for St. Pius X School in Reynoldsburg, OH. Jo Ellen began her career in nursing on medical and then surgical units in the early 1980s. In 1982 she became a pediatric charge nurse at Elkhart General Hospital in Elkhart, IN. She then continued her career in pediatrics, graduating in 1994 from the University of Cincinnati as a Pediatric Nurse Practitioner. Jo Ellen worked for 12 years in a primary care practice in Ohio before joining the Child Neurology Department at Nationwide Children's Hospital in 2005.

Jo Ellen was nominated for this award by Dr. Warren Lo, a physician colleague at Nationwide. Dr. Lo describes Jo Ellen's strength as "her ability to take on complicated patients, critically think through the clinical problems, effectively address these problems and provide the patient/family with a positive experience." Her main areas of practice are in pediatric stroke and headache. Jo Ellen has developed extensive knowledge in stroke rehabilitation; she has developed patient education materials for families regarding pediatric stroke and is regarded as a leader in this area in child neurology nursing. Jo Ellen has published recent articles in prestigious neurology journals, including the *Archives of*

Neurology, Cephalgia and Headache. She contributes cases to the International Pediatric Stroke Study, an international registry of children who have had ischemic strokes; as a result of these contributions, she will be cited as an author on articles stemming from this registry.

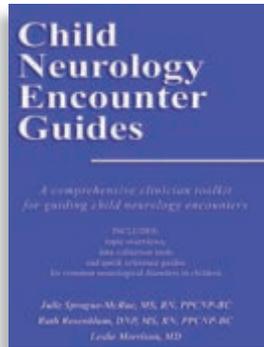
In addition to the articles recently published in neurology journals, Jo Ellen has been the primary author on numerous other publications, ranging from baby safety to clinical decision making and clinical reasoning. She has presented extensively both locally and nationally on topics involving primary care conditions such as environmental allergies, to neurology conditions such as pediatric stroke and specialty care in neurology nursing. Jo Ellen has been an ACNN member since 2006 and has served as the Secretary for ACNN since 2010. She remains a member of the Ohio NAPNAP Chapter, as well as the national NAPNAP organization, for which she has presented as well. She remains an adjunct faculty member at The Ohio State University and lectures current nurse practitioner students on contract negotiations as they join a practice. Jo Ellen is also the past recipient of a Nursing Fellowship.

It is clear from all of her accomplishments that Jo Ellen is a deserving recipient of the Claire Chee Excellence in Nursing Award and it is with great honor that the Association of Child Neurology Nurses presents this award to Ms. Lee.



ASSOCIATION OF CHILD NEUROLOGY NURSES

The 2014 Child Neurology Encounter Guides have been Published!



Through the collaborative efforts of 32 Association of Child Neurology Nurses and 12 Child Neurology Society affiliated child neurologists, the *Child Neurology Encounter Guides* have been peer reviewed and educational content updated. Much has happened in clinical practice since the original guides were published in 2009. New AAN guidelines for post-concussion management, DSM-V classification updates for tic and developmental disorders, and new terminology for classifying seizures, epilepsies, and headache conditions have been included.

Child neurology is an impacted pediatric specialty and it is challenging to provide patients with timely access to child neurology services. Health care delivery models are evolving and to meet demand, innovative practice models and a variety of technologies for communicating with patients and delivering health care must be considered. Developing new practice models and maximizing the use of technology will promote early and timely access to child neurology care.

Traditionally, the office visit has been the primary vehicle for health care delivery, but now in many practices this visit is augmented with encounters by telephone, video conferencing, and secure e-mail. The key is to provide patients with “real-time” health care interventions and minimize delay in access to treatment.

This management, however, must be done by skilled professionals with specific child neurology training. The *Child Neurology Encounter Guides* provide specialized child neurology educational reference content as a resource for new or less experienced registered nurses, advanced practice nurses (doctors of nursing practice, nurse practitioners, clinical nurse specialists), and physician assistants. This content is also helpful for medical students and residency/fellowship staff as well as pediatric primary care providers and school nurses.

The *Child Neurology Encounter Guides* can maximize a telephone or video conference encounter and the traditional office visit by offering a comprehensive approach promoting quality assessment and case or care management. They also provide direction for initial educational training, ongoing reference, quality management and electronic charting. When implemented in a private, managed care, or tertiary-level practice, they enhance patient evaluation and management efficiency, maximize the child neurology provider’s time, and provide patients with access to “real-time” health care interventions.

The *Child Neurology Encounter Guides* have been adapted for use by a variety of health care professionals practicing in a variety of venues. They have also been used to create a child neurology workshop curriculum for school nurses and nurse practitioners. Please join us for breakfast at the CNS Columbus, Ohio meeting on Friday 10/24/14 at 7 am as we show case this project and discuss innovative practice strategies that maximize technology.

During the conference, we will have special discount pricing for the *Child Neurology Encounter Guides* comprehensive or pocket edition at the Association of Child Neurology Nurses exhibit booth. For those interested in an electronic format, the pocket guides can also be ordered as an Apple iBook. If you cannot make it to Columbus, ordering details for all editions can be found at <http://www.childneurologysociety.org/acnn/books>. All proceeds go to support scholarships for nurses attending future conferences and to cover project expenses.

A special thanks to all the nurses and child neurologists throughout the United States and Canada who collaborated on this project. A list of project participants is posted on the CNS/ACNN website.

See you in Columbus!
Julie Sprague-McRae, MS, RN, PPCNP-BC
Ruth Rosenblum, DNP, MS, RN, PPCNP-BC
Leslie Morrison, MD



Child Neurology Foundation 2014 Awards



2014 CNF SHIELDS AWARD

Joana Osorio, MD
University of Rochester

“Cell-based Therapy for Pelizaeus-Merzbacher Disease”

This research project aims to develop a cell-based treatment strategy for Pelizaeus-Merzbacher disease (PMD), a severe pediatric disorder of myelin caused by mutations in the proteolipid protein gene (PLP1). By transplanting genetically corrected cells from affected patients in a murine model of PMD, we will test their ability to rescue the phenotype and produce normal myelin. We will use induced pluripotent stem cells from patients with duplications and missense mutations in the PLP1 gene, correct the mutations by using gene-editing techniques and subsequently differentiate those to oligodendroglial fate. After intracerebral transplantation in a murine model of PMD, we will evaluate their motor performance and posteriorly the histology of engrafted cells. If this study is successful, this study will provide a proof of principle that autologous cell transplantation can be a feasible strategy for treatment of congenital disorders of myelin.

My career goal as a clinician-scientist is to bridge basic research and clinical work, to establish new treatment strategies for pediatric white matter disorders for which no cure is presently available. The Shields Award represents an important step towards this goal, by supporting my research project that will focus on Pelizaeus-Merzbacher disease (PMD). Success of this pre-clinical study will advance clinical translation of cell-based therapies that can be applied not only to PMD but potentially also to other leukodystrophies.



2014 CNF PERF SCIENTIFIC RESEARCH AWARD

Kristin Guilliams, MD
Washington University in
St. Louis, School of Medicine,
Neurology and Pediatrics

“Brain Oxygen Metabolism in Sickle Cell Disease”

The Child Neurology Foundation Scientific Research Award will allow me to investigate the underlying mechanisms of stroke in children. I will use non-invasive MRI techniques to measure cerebral blood flow and oxygen metabolism in children with sickle cell disease, one of the highest risk populations for childhood stroke. Right now, we know that transfusions can help prevent strokes in some children. However, because we cannot tell which children would gain the most benefit, almost all children are started on lifelong monthly transfusions, which are a tremendous burden to the patients, their families, and society. I hope to use MRI to improve stroke risk assessment in children with sickle cell disease so that we can decrease the transfusion burden in some children and be aggressive in preventing stroke in others. Ultimately, I hope this research will contribute to the worldwide effort to stop stroke in children.

This award from the Child Neurology Foundation will give a critical foundation to my research career. With this generous funding, I can complete the groundwork for a larger multicenter trial to reduce strokes in children.



Child Neurology Foundation 2014 Swaiman Medical Scholarship Winners



Leonid Bederman

MEDICAL SCHOOL
Cincinnati Children's,
Division of Neurology

MENTOR
Katherine Holland,
MD, PhD

RESEARCH PROJECT
Environmental and
Genetic mTORopathies
in Malformations of
Cortical Development



Stephanie Chung

MEDICAL SCHOOL
Rutgers University,
Robert Wood Johnson
Medical School

MENTOR
Emanuel DiCicco-Bloom,
MD

RESEARCH PROJECT
Role of Engrailed 2 in
Hippocampal Stem Cell
Neurogenesis



Peter Glynn

MEDICAL SCHOOL
Northwestern University,
Feinberg School of
Medicine

MENTOR
Sookyong Koh,
MD, PhD

RESEARCH PROJECT
Feasibility Study of
a Mobile Cognitive
Intervention in Children
with Childhood Absence
Epilepsy



Abraham Korman

MEDICAL SCHOOL
University of Cincinnati,
College of Medicine

MENTOR
Sumit Parikh, MD

RESEARCH PROJECT
Eye-tracking Paradigm
as an Early Diagnostic
Tool for Autism
Spectrum Disorder



Juhi Kushwaha

MEDICAL SCHOOL
Wayne State University,
School of Medicine

MENTOR
Renée Shellhaas,
MD, MS

RESEARCH PROJECT
Systemic and Cerebral
Predictors of Outcome
after Therapeutic
Hypothermia for
Neonates with Hypoxic
Ischemic Encephalopathy



Kristel Leung

MEDICAL SCHOOL
University of British
Columbia

MENTOR
Shenandoah Robinson,
MD, FACS, FAAP

RESEARCH PROJECT
The Effects of Prenatal
Hypoxia-Ischemic
and Inflammation
on Cortical Neuronal
Layering in the Mature
Brain: A Rat Model



Nehali Mehta

MEDICAL SCHOOL
Washington University
in St. Louis, School of
Medicine

MENTOR
Rafael Galindo,
MD, PhD

RESEARCH PROJECT
Neuroprotective
Role of Nicotinamide
Mononucleotide Adenylyl
Transferase 3 (NMNAT3)
in a Mouse Model of
Term-equivalent Birth
Asphyxia



Juliana Porter

MEDICAL SCHOOL
University of Virginia,
School of Medicine

MENTOR
Laura A. Jansen,
MD, PhD

RESEARCH PROJECT
Impact of
Benzodiazepine
Exposure on Neuronal
Development in Preterm
Brains



Joseph Stricker

MEDICAL SCHOOL
Commonwealth
Medical College

MENTOR
Donna Ferriero,
MD, MS

RESEARCH PROJECT
Neuroprotective
Therapies Following
Ischemic Brain Injury
and Mechanisms
Underlying Nerve
Degeneration and
Regeneration



Shelun Tsai

MEDICAL SCHOOL
Northwestern University,
Feinberg School of
Medicine

MENTORS
Joanna Blackburn, MD
& Deborah Gaebler, MD

RESEARCH PROJECT
Clinical Validity and
Reliability of a 0-10
Numeric Rating Scale
Measure of Spasticity in
Pediatric Cerebral Palsy

CHILD NEUROLOGY SOCIETY

Membership Committee Update

Roster of New Members Accepted in 2014

ACTIVE

ALMIDANI, Mazen
BANDARI, Savitra
BROWN, Candida
CANTOR, Lillah
CORBIER, Jean-Ronel
DOLCE, Alison
EDELSTEIN, Sylvia
FULTON, Stephen
HELBIG, Ingo
KABBANI, Haidar
KUEMMERLE, Karamah
LANKFORD, Jeremy
LUPO, Pamela
MARTON, Freddie
MORGAN, Harley
MULKEY, Sarah
NELSON, Aaron
PAVKOVIC, Ivan
PECHE, Shubhangi
PENSIRIKUL, Alyssa
POWELL, Clydette
SCALAIS, Emmanuel
SHAPIRO, Kevin
SILVER, Wendy
SIRSI, Deepa
SIVASWAMY, Lalith
SQUIRES, Liza
TASMONTÉ, Joseph
THOMPSON, Stephen
TOLOOI, Hadi
WINESETT, Parrish
WILLIS, Virginia

JUNIOR

ACOSTA DIAZ, Natasha
AGARWAL, Rajkumar
ALBUJA, Ana
ALTER, Aliza
APPAVU, Brian
ARROYO, Monica
BABCOCK, Michael
BAMAGA, Ahmed
BANSAL, Lalit
BAUER HUANG, Sarah
BEAR, Joshua
BENEDETTI, Giulia
BENITEZ, Viviana
BERNIER, Raquel
BHATT, Rujuta
BLAKE, Robert
CAROSELLA, Christopher
CARTER, Emma
CARTER, John
CHELSE, Ana Barbara
CHOI, Hyoung
COHEN, Alexander
CONRAD, Susan
ELGALLAB, Janet
FAJARDO, Marytery
FARIAS-MOELLER, Raquel
FAY, Alex
FILINA, Tatiana
FRANCISCO, Carla
GANGANNA, Sreenath Thati
GELINEAU-MOREL, Rose
GERTLER, Tracy
GILLSON, Natalie
GORDON-LIPKIN, Eliza
GUST, Juliane
HAGHIGHAT, Zahra
HANI, Abeer
HARRAR, Dana
HELBIG, Ingo
HERRING, Rachelle
ISMAIL, Fatima
JAYAKAR, Anuj
KAHN, Ilana
KAYYAL, Simon
KHAN, Yasir
KIM, Young-Min
KING, Staci
KNOX, Andrew
KULKAMI, Neil

KURZ, Jonathon
LINDGREN, Kristen
LOCKROW, Jason
LOPEZ, Michael
LOWENSTEIN, Daniel
LUKE, Rebecca
LUTELY, Alexandria
MAIO, Natanya
MARTINDALE, Jaclyn
MCDONALD, Kimberly
MCNAMARA, Nancy
MCQUADE, Elizabeth
MEDDLES, Katharine
MEIJER, Inge
MILESI-HALLE, Alessandra
MORSE, Anne
NG, Elizabeth
NOLAN, Danielle
O'MALLEY, Jennifer
PATTANAIAK, Elora
POJOMOVSKY, Pamela
REDDY, Shilpa
RIORDON, Heather
RODRIGUES, Anthony
ROSSMAN, Ian
RUBIN, Marina
SANDS, Tristan
SANTILLI, Anne
SATO, Aimee
SEGAL, Deborah
SHEAH, Jessica
SREEKANTAIHA HARALUR, Yathish
STEIN, Andrew
STOWE, Robert
SUN, Lisa
SZOFER, Stephani
TAYLOR, Connie
THODESON, Drew
TIONGSON, Emmanuelle
TOCHEN, Laura
VISHWANATH, Vijay
WANG, Cynthia
WEXLER, Erika
WILLIAMS, Ryan
YEN, Tran
YESHOKUMAR, Anusha
YUEN, Tammy
YUSKAITIS, Christopher
ZAFAR, Muhammad
ZUCCARELLI, Britton



CHILD NEUROLOGY SOCIETY Personnel Registry

CNS PERSONNEL REGISTRY CALIFORNIA

Child Neurologist with Expertise in Epilepsy and Clinical Neurophysiology

The Division of Child Neurology in the Department of Neurology and Neurological Sciences at Stanford University School of Medicine is seeking an outstanding child neurologist with expertise in epilepsy and clinical neurophysiology to join a growing academic program. The Division currently includes 20 full-time faculty, with the Epilepsy Program at Lucile Packard Childrens Hospital at Stanford consisting of five epileptologists, and three pediatric neurosurgeons. The Epilepsy Program is a key component of the clinical, research and teaching programs within the Division of Child Neurology and collaborates with the adult epilepsy program at Stanford Hospital and Clinics. This full-time appointment will be in the Clinician Educator academic pathway, with candidates considered for appointment at the rank of Clinical Assistant Professor, Clinical Associate Professor, or Clinical Professor. The major criteria for appointment for Clinician Educators shall be excellence in the overall mix of clinical care, clinical teaching, and institutional service, appropriate to the programmatic needs the individual is expected to fulfill. The successful candidate will have an opportunity to interact across the wide range of clinical, translational and basic science programs offered at Stanford. Candidates with a strong interest or experience in clinical trials and research are encouraged. Requirements include an MD or equivalent degree, eligibility for medical licensure in the State of California, and certification by the American Board of Psychiatry and Neurology in Neurology with Special Qualification in Child Neurology. The candidate should also hold board certification or be board eligible in Clinical Neurophysiology and/or Epilepsy.

Applicants should send a letter of interest, curriculum vitae and three references to: Dr. Paul Graham Fisher, M.D., 750 Welch

Road, Suite 317, Palo Alto, CA 94304-1510, pfisher@stanford.edu. Review of applications will begin immediately and continue until the position is filled.

Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of and applications from women, members of minority groups, protected veterans and individuals with disabilities, as well as others who would bring additional dimensions to the university's research, teaching and clinical missions.

Pediatric Neurology Faculty Positions

We are recruiting for additional Child Neurology faculty. There is a particular need for additional faculty with subspecialty interests in epilepsy, critical care neurology, neuroimmunology. Faculty with clinical research interests are encouraged to apply. Faculty with bench research interests will be considered. Board certification or eligibility in Neurology (Child) is essential. Faculty must be licensed in the State of California before hiring. We are unable to consider J-1 visa waiver applicants.

Epileptologist position: we seek a second pediatric epileptologist with particular emphasis on clinical neurophysiology. Training in EEG, long term monitoring and epilepsy surgical planning and monitoring is a top priority. Board certification in Clinical Neurophysiology or Epilepsy is highly desirable.

Childrens Hospital Los Angeles is a busy, urban teaching hospital with a diverse patient population. New hospital facilities opened in July 2011. There is an active outpatient Neurology Clinic, with subspecialty clinics in Movement Disorders, Neuromuscular Disorders (MDA), Intractable Epilepsy, Neurocutaneous Disorders. A multidisciplinary neuroimmunology clinic is in planning stages. There is

ongoing clinical research program within the Neurology Division. Four CHLA satellite clinics within the greater Los Angeles area are operating.

Academic appointment is at Keck School of Medicine, University of Southern California, at a level appropriate for training and experience.

CONTACT:

Wendy Mitchell M.D.
wmitchell@chla.usc.edu

Women, minorities and persons with disabilities are encouraged to apply. USC is an EO/AA employer.

PEDIATRIC NEUROLOGIST/ EPILEPTOLOGIST – Santa Clara, California

At The Permanente Medical Group Inc., we take exceptional care of our patients and our physicians. With the stability of more than 65 years serving Northern California, our progressive organization can offer you a solid career along with balanced scheduling options, comprehensive administrative support, state-of-the-art resources and more. Additionally, our large multi-specialty group practice offers a unique program that allows you the freedom to make decisions about the best care your patients. Resources are provided to manage authorizations, billing, paperwork or staffing.

The Permanente Medical Group in Santa Clara is seeking a BC/BE Pediatric Neurologist & Epileptologist to join our team and expanding comprehensive epilepsy program in Santa Clara and San Francisco. This position offers the opportunity to work in a group practice with state-of-the-art electronic medical records, excellent subspecialty support and camaraderie and an innovative and patient care-focused environment. Our Northern California regional pediatric neurology group consists of 12 pediatric neurologists including one pediatric epileptologist, with an inpatient video EEG monitoring

unit in San Francisco, ketogenic diet and modified Atkins diet programs, and a growing pediatric epilepsy surgery program. Our inpatient setting in Santa Clara includes a 26-bed pediatric ward, a 26-bed level 3 NICU, and an 8-bed Pediatric Intensive Care Unit staffed 24/7 by Pediatric Hospitalists, Neonatologists and Intensivists, and is the site of our regional pediatric epilepsy surgery program.

As a Child Neurologist with The Permanente Medical Group you will enjoy a very competitive salary with an unparalleled benefits package, including generous retirement plans, malpractice coverage, medical/dental insurance, vacation time, holiday pay, educational time, paid sick leave and a Home Loan Program in which, upon approval, 10% of the cost of a home is loaned with interest forgiven over 10 years. Reimbursement of relocation expenses is available upon approval as well.

With 300 days of sunshine annually and an average temperature of 70 degrees, Santa Clara is a virtual utopia for those who love playing, adventure or just relaxing in the outdoors. Located near San Francisco and San Jose, our naturally scenic and multicultural city offers an impressive array of entertainment and recreational venues for people of all backgrounds and interests.

If you are interested in learning more about these opportunities, please contact Judy Padilla at 800/777-4912 or Judy.G.Padilla@kp.org The Permanente Medical Group, Inc.

*We are an EOE/AA/F/F/D/V Employer
VEVRAA Federal Contractor*

**Assistant, Associate, or Full Professor
(HS Clinical) Pediatric Neurology (10-853)**

**School of Medicine – Neurosciences
Div/School**

University of California San Diego

SALARY:

Salary will be commensurate with qualifications and based on University of California pay scales.

CLOSING DATE:

Review of applications will begin on

October 27, 2014 and continue until the position is filled.

DESCRIPTION:

The Department of Neurosciences within the School of Medicine at UC, San Diego is committed to academic excellence and diversity within the faculty, staff and student body. The Department of Neurosciences invites applications from outstanding candidates for Faculty appointment.

UC San Diego and Rady Childrens Hospital Medical Foundation are recruiting pediatric neurologists in the areas of neonatal neurology, neuro-developmental disabilities, and general child neurology. The division is an integral part of the Department of Neurosciences and, as such, is fully participating in the exciting new developments within the Department and the distinguished Neurosciences community at UCSD. Areas of particular need are neonatal neurology and neuro-developmental disabilities.

The Department provides excellent opportunities for teaching and other patient care/academic interests with time dedicated to teaching and scholarly activity at one of the nations top-ranked Medical Schools and one of the most academically productive Departments of Neurosciences in the country.

The level of appointment will be commensurate with qualifications and experience. Successful candidates will also demonstrate strong or potential accomplishments in areas contributing to diversity, equity and inclusion, and a desire to play a leadership role in advancing UC San Diego's commitment to achieving excellence and diversity. The department is interested in candidates who have demonstrated commitment to excellence by providing leadership in teaching, research or service towards building an equitable and diverse scholarly environment.

Interested applicants must submit a CV and a separate statement describing their past experience and leadership in equity and diversity and/or their potential to make future contributions in the field (see <http://facultyequity.ucsd.edu/Faculty-Applicant-C2D-Info.asp> for further information). Additional information that can be submitted include

a cover letter, a statement of research, and a statement of teaching.

Please submit all application materials to our on-line application collection system at:

Pediatric Neurology: <http://apptrkr.com/519683>.

UC San Diego is an Equal Employment Opportunity (EEO) employer.

**CNS PERSONNEL REGISTRY
DISTRICT OF COLUMBIA**

Three Pediatric Neurologist Positions

Childrens National, Washington, DC Childrens National Medical Center is seeking three outstanding pediatric neurologists, eligible at the Assistant or Associate Professor level, to join one of the nations largest clinical and research programs. Child neurologists with training or experience in headaches, movement disorders, or neuro-intensive care will be given priority. The Divisions of Child Neurology and Epilepsy/Clinical Neurophysiology, along with the Gilbert Neurofibromatosis Center, Brain Tumor Institute, and Neuro-intensive Care (PICU, NICU, CICU) Programs, have more than 30 pediatric neurologists who participate in patient care, research, medical education, and advocacy.

Requirements include an MD or equivalent degree, eligibility for medical licensure in the District of Columbia, Maryland, and Virginia, and certification (or eligibility for certification) by the American Board of Psychiatry and Neurology in Neurology with Special Qualification in Child Neurology. Applicants with expertise in epilepsy should also hold certification (or eligibility for certification) in clinical neurophysiology. Those with interest and/or experience in clinical/translational research are encouraged to apply.

Applicants should address a letter of interest and curriculum vitae to: Roger J. Packer, MD Senior Vice President, Center for Neuroscience and Behavioral Medicine Director, Gilbert Neurofibromatosis Institute Director, Brain Tumor Institute Children's National Medical Center Professor of Neurology and Pediatrics with Tenure The George Washington University School of Medicine

Please send all correspondence to:
Abby Ralph
Center for Neuroscience and
Behavioral Medicine Children's
National Medical Center
111 Michigan Avenue NW
Washington, DC 20010
Email: aralph@childrensnational.org

Dr. Roger J. Packer and Dr. William D. Gaillard are at the CNS meeting. Please contact them at rpacker@childrensnational.org or wgaillard@childrensnational.org if you are interested.

CNS PERSONNEL REGISTRY FLORIDA

EXCITING OPPORTUNITIES IN PENSACOLA, FL FOR BC/BE DEVELOPMENTAL PEDIATRICIANS – See ad for Florida & Texas under “Southern US”

SEE AD FOR HOLLYWOOD, FL ON PAGE 40

CNS PERSONNEL REGISTRY ILLINOIS

Child Neurologist(s)

The Division of Neurology at Ann & Robert H. Lurie Childrens Hospital of Chicago is seeking a full-time pediatrician for the position of pediatric neurologist. The individual must be an M.D. or D.O. and be board certified or board-eligible in Neurology with special qualifications in Child Neurology. The candidate must also be licensed in the State of Illinois to practice without restriction. The position includes an academic appointment on the non-tenure track in the Department of Pediatrics at the Feinberg School of Medicine of Northwestern University. Salary and academic rank are commensurate with qualifications. The candidate will primarily be based at our outreach satellite locations for outpatient clinics seeing general neurology patients. The candidate will also participate in providing on-call coverage for consultations at partner hospital(s). Ideal candidates should be poised to develop a strong child neurology clinical program

at partner hospital(s). Prospects to develop subspecialty-focused clinics exist along with opportunities to engage in resident and fellow teaching.

Proposed start date is flexible. Applications will be accepted until the position is filled.

Interested candidates should submit their CVs to:
Leon Epstein, MD,
Division Head of Neurology
Ann & Robert H. Lurie Childrens
Hospital of Chicago
225 E. Chicago Avenue Box 51
Chicago, IL 60611.

Contact by phone at 312/227-44453 or by email at l-epstein@northwestern.edu.

Northwestern University is an Affirmative Action/Equal Opportunity Employer of all protected classes, including veterans and individuals with disabilities. Women and minorities are encouraged to apply. Hiring is contingent upon eligibility to work in the United States.

Pediatric Neurologist

The Department of Pediatrics and the Section of Pediatric Neurology at Rush University Medical Center, located in downtown Chicago, is seeking an additional Pediatric Neurologist to join our five faculty members. The ideal candidate will possess a strong commitment to clinical care, education and research with particular emphases depending on the candidate.

The Division of Pediatric Neurology is part of the Department of Pediatrics and Neurology. There are existing strong programs in Epilepsy, Neurogenetics, and Neuromuscular Diseases. Multiple funded research projects are ongoing in the division with focuses on muscular dystrophy, Fragile X disease, Rett syndrome, Neimann-Pick, and other neurogenetic areas.

Qualified candidates must have completed an approved Pediatric Neurology fellowship program and be Board Certified/Board Eligible. Candidates will be eligible for a faculty appointment in Rush Medical College as Assistant Professor or level

commensurate with their experience and accomplishments.

The ideal candidate will become actively involved in the teaching program for medical students, Pediatric residents, and Neurology residents at Rush. Clinical responsibilities include inpatient and out-patient care at Rush and Stroger Cook County Hospital, which is located one block away. There will also be opportunities at outreach sites throughout Chicagoland.

This recruitment is part of a key strategic growth initiative within the Department of Pediatrics. Rush is home to one of the first medical colleges in the Midwest and one of the nations top-ranked nursing colleges, and outstanding Pediatric and Neurology training programs.

Rush is an Equal Opportunity Employer.

For interested candidates who will be attending the upcoming Child Neurology Society annual meeting this October please advise and we will be happy to connect you with one of our Pediatric neurology faculty that will be attending.

PLEASE CONTACT:

Leah Doebler
Senior Faculty Recruiter
312/563-6074
Leah_M_Doebler@rush.edu

At Child Neurology Meeting:
Peter Heydemann
MD Section Head
Pediatric Neurology
773/965-5478
Peter_Heydemann@rush.edu

Or Elizabeth Berry-Kravis, MD, PhD
Elizabeth_Berry-Kravis@rush.edu

CNS PERSONNEL REGISTRY MAINE

Pediatric Neurologist

Eastern Maine Medical Center seeks a board-certified/board eligible pediatric neurologist to join a hospital-employed practice. EEG training a plus. EMMC offers a full-spectrum, in- and outpatient multispecialty neurology service; including neurodiagnostics. The program is supported by highly respected pediatric hospitalist services available 24/7.

Joe DiMaggio Children's Hospital is Seeking Two Pediatric Neurologists to Join Our Team!

Leadership opportunity available!

Joe DiMaggio Children's Hospital, part of the Memorial Healthcare System in South Florida, seeks a leader and staff neurologist to join its expanding pediatric neuroscience team that includes four pediatric neurologists, two nurse practitioners and a growing neurosurgery division. Sub-specialty fellowship training in clinical neurophysiology, epilepsy, movement disorders and/or stroke preferred but not required. Research initiatives will be fully and actively supported. Both opportunities are full-time positions within the multi-specialty Memorial Physician Group. These positions offer competitive benefits and a compensation package that is commensurate with training and experience. Professional malpractice and medical liability is covered under sovereign immunity. Available positions include:

MEDICAL DIRECTOR OF PEDIATRIC NEUROLOGY

Seeking leaders or emerging leaders with demonstrated leadership experience, a vision for building a successful pediatric neurology program, and the ability and desire to work collaboratively with a comprehensive neuroscience division. Candidates must have completed a pediatric neurology residency and be board certified in neurology with special qualification in child neurology.

PEDIATRIC NEUROLOGIST

Physician must be BC/BE in neurology with special qualification in child neurology.

About Joe DiMaggio Children's Hospital

Joe DiMaggio Children's Hospital (JDCH) is a 204-bed facility with a 22-bed Pediatric Intensive Care Unit and a 64-bed Level III Neonatal Intensive Care Unit, which is expanding to 80+ beds in 2015. JDCH opened in 1992 and is located in Hollywood, Florida. As South Florida's newest freestanding children's hospital, Joe DiMaggio Children's Hospital is redefining the pediatric healthcare experience. We combine cutting-edge excellence with a commitment to patient and family-centered care, and have the largest and most diverse group of board-certified pediatric specialists in the region. Thanks to exemplary medical expertise, advanced technology and exclusive pediatric programs, JDCH has earned the distinction of being the leading children's hospital in Broward and Palm Beach counties. JDCH is the only Pediatric Trauma Center in south Broward County. We're continuing to pioneer revolutionary programs that define the standard in pediatric care. To learn more about JDCH, please visit JDCH.com. To learn more about Memorial Healthcare System, visit MHS.net.



Joe DiMaggio  **Children's Hospital**
AT MEMORIAL

1005 Joe DiMaggio Drive / Hollywood, Florida 33021

To learn more about this opportunity, visit memorialphysician.com.

MAINE continued

EMMC serves as the pediatric specialty care center for the region, offering level III NICU, Pediatric ICU services provided by three pediatric intensivists, pediatric surgery, sedation service, and a broad spectrum of outpatient pediatric specialty clinics. EMMC is a 411-bed, ACS-verified Level II trauma, and regional tertiary care center serving a patient population of 500,000 living in the northern 2/3 of the state. EMMC is part of EMHS, a progressive and growing, non-profit, healthcare system, ranked among the top 100 integrated health networks in the country by IMS.

Bangor is an award-winning small city offering easy access to ocean and mountains. Acadia National Park, Baxter State Park, and premier Northeast ski resorts provide outstanding four-season outdoor recreation. Schools rank among New England's best; the University of Maine is a short drive from the medical center. Bangor International Airport provides direct and one-stop service to most major destinations.

International Medical Graduates welcome to apply.

For confidential consideration, please contact:
Nicole Kelley
e-mail emmcvs@emhs.org
phone 207/973-5211

CNS PERSONNEL REGISTRY MICHIGAN

Pediatric Epilepsy Faculty Positions

We have two faculty positions available in the Division of Pediatric Neurology at the University of Michigan in Ann Arbor. These positions are flexible with regard to academic track and allocation of effort to clinical, education, and research activities. The Division currently includes 9 full-time faculty members with diverse clinical and scholarly interests.

The Pediatric Epilepsy Program at Mott Childrens Hospital provides comprehensive treatment and diagnostics for children with epilepsy. We typically work with 3 Clinical Neurophysiology fellows who are

assigned to Pediatric Epilepsy and EEG rotations. We have 24/7 in-hospital EEG technologists. We have an established epilepsy surgery program. The program is supported by two ketogenic dietitians, an epilepsy care coordinator, nurse practitioner, pharmacist, nurses, and social workers. Our research assistant supports both multicenter and local clinical research studies. The University of Michigan provides outstanding environments for clinical care and for translational and basic research

Candidates must be certified by ABPN with Special Qualification in Child Neurology, must complete an ACGME-approved fellowship in Clinical Neurophysiology or Epilepsy, be eligible or certified in Clinical Neurophysiology and/or Epilepsy, and be US citizens or permanent US residents who are eligible for medical licensure in Michigan.

The University of Michigan is an Affirmative Action /Equal Opportunity Employer.

Please contact Faye Silverstein (fsilvers@med.umich.edu) for additional information.

Pediatric Neurologist Pediatric Neurology Opportunity - Michigan

Bronson Childrens Hospital and Bronson Neuroscience Center are seeking a board certified Pediatric Neurologist to join our comprehensive neuroscience program. Bronson is the only Childrens hospital in Southwest Michigan and the regions #1 choice for tertiary comprehensive neuroscience care. This is a hospital employed position which has a provider driven leadership model. Bronson offers a competitive salary, sign-on bonus/stipend, productivity bonus as well as a comprehensive benefit package.

If interested in this position, please submit direct inquiries and CVs to:
Jayne Kulhanek, MHSA,
Physician Recruiter
269/341-7596 or
email: kulhanej@bronsonhg.org

CNS PERSONNEL REGISTRY MINNESOTA

Pediatric Neurologist – 90th Percentile Income Potential Minneapolis

Nationally-recognized Noran Neurological Clinic seeks an additional BC/BE Pediatric Neurologist to join our current three Pediatric Neurologists due to growth.

We received *Minneapolis-St. Paul Magazine's* Top Workplaces honor 5 years in a row and the Angie's List Super Service Award. Our physicians have received Top Doctors accolades from *Minneapolis-St. Paul Magazine* & Best Doctors accolades from *Minnesota Monthly*. Additionally, we are the "go to" clinic for news stories related to neurology.

We are the nation's largest privately-owned neurology clinic with 35 physicians (22 are partners!), seven allied health professionals, and four neuropsychologists. We have been providing comprehensive neurological services in the Twin Cities area for more than 40 years and currently see patients at six metropolitan locations in Minnesota. We were named to *Star Tribune's* Top 100 Workplaces for the 4th Consecutive Year.

Interested candidates should possess excellent training and credentials, be personable, hardworking, and dedicated to patient care. The opportunity exists to pursue academic interests and research.

Position offers a competitive income guarantee, production incentives, a full and comprehensive benefits package and partnership opportunities. Income potential in the 90th percentile!

The Twin Cities area of Minneapolis-St. Paul is cosmopolitan at its heart and small town along its perimeter. Not identical twins, but different in architecture and ambiance, these twin cities each offer their own approach to an exciting arts scene, landmark architecture, terrific restaurants, professional sports and intriguing museums.

CONTACT:

Kim DeBlasi
800/678-7858 x 64454
email kdeblasi@cejkasearch.com
or visit www.cejkasearch.com
ID#152500C1

CNS PERSONNEL REGISTRY
MISSOURI

**Director of Pediatric Neurology
Division**

CLINICAL TRACK WITH OPTIONAL
CLINICAL SCHOLAR TRACK

SEEKING A VISIONARY TO BUILD THE
PROGRAM AND HAVE A THRIVING
ACADEMIC PRACTICE

Merritt Hawkins, the leading academic physician staffing firm, is pleased to announce the recent availability for a Pediatric Neurology Division Director to join a team of dedicated Pediatric Neurology specialists that work together to form a cohesive unit that specializes in providing each young patient the individualized care they need. As faculty members of the University School of Medicine, the Pediatric Neurologists are encouraged to conduct research and clinical trials. Recent trials have centered on new seizure medications for children.

- Build the program, be a visionary and have a thriving, academic practice with the goal to develop a fellowship program
- Division can support your specialty interest through sleep lab, Muscular Dystrophy clinic or their Center for Autism
- Excellent multidisciplinary support from an amazing Pediatric Psychiatry department, Pediatric and Neuro Radiologists, world-class Pediatric Neurosurgeon and two great Pediatric PMR physicians that work closely with Neurology
- Receive appointment of Professor at the Associate or Assistant Level and be involved with medical education, research and clinical care; Clinical track with optional clinical scholar track
- Faculty of Pediatric sub-specialists are actively involved in clinical care, pediatric research and educating the next generation of pediatricians and specialists
- Newly remodeled and improved, free standing Womens & Childrens Hospital with 100% private rooms for children and adolescents, 48 NICU beds, 13 PICU beds and 25 beds in the well baby nursery and a nearby University Hospital with a Level I trauma and a new clinical research unit

- Pediatric Adolescent, Specialty Clinic and Pediatric Urgent Care also newly remodeled
- 60 physicians in the Department of Child Health, plus 15 sub-specialists and 19 Pediatric residents, 14 Med-Ped residents and one Chief Resident Our mission is to train superior physicians, foster innovation through the sciences of discovery and application, and provide health care of the highest quality in the context of increasingly value driven markets. Chairman, Child Health

**DREAM LOCATION TO RAISE A
FAMILY**

This university town is regarded as the quintessential college town, combining small town comfort, community spirit and a low cost of living with big city culture, activities and resources. It has an excellent school system, entertainment opportunities galore, a clean environment and much more.

- Cosmopolitan dining with any kind of food you are craving and annual Wine & Food Festival
- NCAA and AAU University with life sciences center, business incubator and a large research reactor
- Over a dozen annual festival plus symphonies, amphitheater, concerts, film festival, dance performances and SEC football
- Hiking, biking, hunting, camping, fishing, golfing and boating
- Diverse private and public schools of excellence with AAA rating
- Multiple city parks, very bicycle friendly community with a 225-mile trail for bikers and runners
- Boutiques, art galleries, vineyards and wineries

Interested candidates should contact Breanna Elliott, Senior Director of Recruiting, at 800/876-0500.

Academic BC/BE Child Neurologist

Charlene L Plotycia cplotycia@cmh.edu
August 22, 2014 through Oct 27, 2014

The Division of Neurology in the Department of Pediatrics at Childrens Mercy Hospital, Kansas City, is seeking board eligible or certified child neurologists interested in academic child neurology. Our

institutional philosophy is patient- and family-centered and highly supportive of physicians and providers. We are especially interested in:

1. Candidates who practice general child neurology to continue to grow our clinical services
2. Candidates with headache medicine training to continue to build our comprehensive headache program, and
3. Candidates with neonatal neurology training or experience to build our neonatal and fetal neurology programs. Given our current growth potential, we would also like to encourage any BC/BE child neurologists with an interest to apply.

The Division of Neurology currently has fifteen board certified neurologists, fifteen nurses and nine nurse practitioners. We offer a residency in Child Neurology (two residents per year) and a fellowship in Neurophysiology (one fellow per year). Our training programs are partnered with the Department of Neurology at the University of Kansas Medical Center, and our Department of Pediatrics is combined with the Pediatrics Department at the University of Kansas Medical Center.

Childrens Mercy Hospital is a free standing, not-for-profit hospital system. The Main Campus in Kansas City, Missouri is a 317-bed hospital with a 57-bed satellite hospital south in Johnson County, Kansas and satellite clinics north, east and west. Our faculty of 600 pediatricians and researchers cover more than 40 subspecialties and we are consistently ranked every year in the US News and World Report. We have more than 20 fellowship programs within the departments of pediatrics, cardiology, surgery, radiology, dentistry, anesthesiology, and pathology. Our patient population draws from 150 counties in Missouri and Kansas, and from adjoining states, and we are expanding to new underserved areas by incorporating Telemedicine for distant clinics and patients.

Our Child Neurology Division is continuing to grow under the leadership of Dr. Steven M. Shapiro. Our program offers a Comprehensive Level IV Epilepsy Center, which includes a one of the largest Ketogenic Diet programs in the

country, supported by nurses, three nurse practitioners, three dieticians and a chef. Our Comprehensive Headache program includes a UCNS board-certified headache medicine neurologist, 3 headache nurse practitioners, pain psychologists, an inpatient headache consult service, an outpatient day program with infusions and patient education, multiple options for procedural interventions, a biofeedback clinic, massage therapy, comprehensive concussion clinics and funded headache-related research. A second headache neurologist would help to continue to grow this program. Our Tourette Syndrome Clinic was just designated a national Tourette Syndrome Center of Excellence. We have subspecialty clinics in movement disorders, neuro-rheumatology, neuro-genetics, and neuro-dermatology, spasticity, all devoted exclusively to pediatrics. Pediatric Neurosurgery includes four neurosurgeons and active Epilepsy, Neuro-Oncology and Pediatric Deep Brain Stimulator programs. We are building new subspecialty collaborative clinical and research programs in neonatal neurology, neurogenetics, kernicterus and bilirubin-induced neurological disorders, and we collaborate widely throughout our two affiliated medical centers, the University of Missouri-Kansas City and the University of Kansas.

Our vision is to provide excellent clinical care, excellent teaching, and to grow and expand subspecialty practice and research. Our hospital has committed to research and supported state-of-the-art programs in genetics, genomics, personalized pharmacology, and health outcomes research. Our administration and leadership are truly supportive of the faculty and staff in Neurology. We are committed to providing a cooperative, collegial working environment to allow faculty to grow and be productive in a low-stress, non-competitive environment. As we grow, we have the flexibility to recruit from a wide spectrum of child neurologists from pure clinicians to pure researchers and everything in between.

Kansas City is a major mid-western city on the border of Missouri and Kansas with more than 2 million residents in

its large metropolitan area that includes flourishing suburban communities. Nicknamed The Paris of the Plains and The City of Fountains, it is truly a wonderful place to live in, with great neighborhoods and varied cosmopolitan culture. It has been rated as one of the 50 Smart Places to Live by Kiplinger Magazine and other publications. The Kansas City metroplex contains a wide selection of highly rated public and private schools and is the regional home to several major colleges and universities. It has a robust offering of arts and entertainment from the Nelson-Atkins Museum of Art, Kemper Museum, Kaufman Performing Arts Center and Missouri Repertory Theatre to the city's professional and college sports teams. Kansas City's economy is driven by thousands of small businesses, tech start-ups, medical research, and is the headquarters of companies such as Hallmark, Sprint and Cerner. It was one of the first two cities in the country to be wired with an ultra-high speed Google fiber network. Most importantly, it's a community with a heart friendly, easy-going, forward-thinking and a great place to live and pursue a career.

For more details about this opportunity, Children's Mercy, and Kansas City visit http://www.practicematch.com/physicians/job_search.html?OwnerIDTypeIDs=3495_3&jobid=447351

Salary and academic range are competitive and commensurate with experience. Qualified candidates submit CV to physicianjobs@cmh.edu

EEO Employer/Disabled/Vet

Steven M. Shapiro, MD, MSHA
Director, Division of Neurology
Children's Mercy
Hospital and Clinics
Professor of Pediatrics, University of
Missouri-Kansas City
Professor of Neurology and Pediatrics,
University of
Kansas Medical Center
Email: sshapiro@cmh.edu

CNS PERSONNEL REGISTRY NEW JERSEY

Pediatric Neurology Opportunity

Goryeb Children's Hospital in Morristown (and Summit) New Jersey seeks an additional full-time child neurologist to join an established group of 4 pediatrics neurologists, 4 developmental/behavioral pediatricians, and 3 nurse practitioners. The position reports to the new Director of the Division of Child Neurology and Developmental Medicine. The Atlantic Health System offers remarkable opportunities for clinical practice, teaching and scholarly pursuits. Candidates must be BC/BE in child neurology and they should be collegial with strong communication skills, as well as passion and energy for build programs. This position offers a highly competitive salary and benefits package.

Clinical neurosciences is a top priority in the Atlantic Health System and Goryeb Children's Hospital is a beautiful facility that hosts over 250 pediatricians and 100 subspecialists. There is a remarkable cadre of colleagues from other disciplines, including 8 pediatric neurosurgeons. The residency program is robust and residents regularly rotate through neurology in addition to developmental medicine. There is an affiliation with the Mount Sinai School of Medicine that offers academic appointments; medical students regularly cite Goryeb Children's Hospital as their preferred rotation. Moreover, The Atlantic Health System has been consistently ranked by Fortune Magazine as one of the 100 best companies to work for in America. Morristown is located in suburban northern NJ approximately 1 hour from New York City, 1 hour from the mountains, and 1 hour from the beach.

Note: Interviews are now being scheduled around the upcoming CNS Conference in Columbus Ohio, October 22-25.

For further information, please contact in confidence:

Robin Harrington
Physician Recruiter
Phone: 866/867-4808
Email: Robin@keymedsearch.com



The Herman & Walter Samuelson
Children's
HOSPITAL AT SINAI

a LifeBridge Health center

The Department of Pediatrics at The Herman and Walter Samuelson Children's Hospital at Sinai, located in Baltimore, MD, seeks a child neurologist with excellent skills in general child neurology and clinical patient care to join our expanding program. Interest in developing a subspecialty focus in areas including epilepsy and neuromuscular movement disorders is desirable. Shared responsibilities with other members of the Division of Pediatric Neurology include teaching residents and medical students, attending on the child neurology inpatient service, and developing an active outpatient clinical practice. Academic research is also encouraged and supported.

Requirements include an M.D. or equivalent degree, eligibility for medical licensure in the state of Maryland, and certification or eligibility for certification by the American Board of Psychiatry and Neurology, with special qualification in Child Neurology.

The Department of Pediatrics resides within a community hospital in Baltimore City. The program has 42 pediatric faculty which represent 15 different specialties, a level III+ NICU, a full service PICU and a separate Pediatric Emergency Room. A free-standing ACGME accredited pediatric residency training program has eight residents per year for a total of 24 residents plus a chief resident. Medical students from Johns Hopkins School of Medicine, The University of Maryland School of Medicine, as well as, students from other medical schools rotate through the core clerkships in addition to subspecialty rotations. The current pediatric inpatient hospital admits 2,300 children per year and our new inpatient unit opened in March 2012 with 26 beds including two beds for continuous video EEG monitoring. The faculty is a diverse group that participates in a wide variety of clinical research activities.

The Department of Pediatrics has close affiliation with the Sandra and Malcolm Berman Brain and Spine Institute which houses the Department of Adult Neurology with expertise in epilepsy, stroke, neuromuscular disorders, hydrocephalus, and sport-related concussion as well as a wide variety of basic science and clinical research activities. The Division of Pediatric Neurology's new clinical and administrative office suites are located within the Brain and Spine Institute. In addition, the Department of Pediatrics has the city's most highly rated Division of Neuropsychology.

Competitive salary and benefits are attractive features, and the city of Baltimore boasts many cultural and recreational opportunities.

Please contact:

Joseph M. Wiley, M.D., F.A.A.P., Chairman of the Department of Pediatrics at 410-601-6266 or Edward Gratz, M.D., Chief of Pediatric Neurology at 410-601-8228 for further information.


SINAI HOSPITAL
a LifeBridge Health center

CNS PERSONNEL REGISTRY
NEW YORK

Child Neurologist

Ben Litoff

ben.litoff@jwv.com

Aug. 28, 2014 through Nov. 28, 2014

Montefiore Medical Center, the University Hospital for the Albert Einstein College of Medicine, is currently seeking a Child Neurologist with expertise in neuromuscular disorders. To qualify, the applicant must be board certified or board eligible in Child Neurology. Faculty appointment with the Albert Einstein College of Medicine will be commensurate with the applicant's background and accomplishments.

For consideration please send resume to:

Solomon L. Moshé, MD

Director of Child Neurology in care of: vhanson@montefiore.org.

We are an equal opportunity employer. careers.montefiore.org

Faculty – Division of Child Neurology

The Division of Child Neurology at Weill Cornell Medical College is seeking a qualified individual for a faculty position in the Division. Located at the prestigious NewYork Presbyterian - Weill Cornell Medical Center in Manhattan, New York, the Division provides a wide range of clinical services in conjunction with a vibrant research program in developmental neurosciences as a component of the Tri-institutional program with Rockefeller University and Memorial Sloan-Kettering Cancer Center. The Division participates in ACGME-accredited child neurology and pediatric epilepsy residency training programs.

We seek to recruit a faculty member at the assistant or associate professor level to expand our busy and growing general child neurology and pediatric epilepsy programs. Responsibilities include inpatient and outpatient service locations and teaching of pediatric neurology and adult neurology residents, as well as medical students. Additional expertise in pediatric epilepsy is welcomed but not required. Successful applicants should be board certified in Child Neurology. The position offers a generous salary and benefits package and academic rank commensurate with experience.

Interested applicants should email a CV, description of clinical and academic interests, and the names of 3 references to:

Barry Kosofsky, MD, PhD

Chief, Division of Child Neurology Department of Pediatrics,

Weill Cornell Medical College

bar2009@med.cornell.edu

Weill Cornell Medical College is an employer and educator recognized for valuing AA/EOE/M/F/Protected Veterans, and Individuals with Disabilities.

Contact Us: bar2009@med.cornell.edu

Mt. Sinai – See ad to the left.

CNS PERSONNEL REGISTRY
NORTH CAROLINA

Asheville, NC Child Neurologist

An exciting and challenging opportunity awaits a highly qualified and experienced Child Neurologist at Mission Childrens Hospital, western North Carolinas only childrens hospital. The Child Neurologist will be part of an innovative pediatric team of subspecialists located in Asheville in the mountains of western North Carolina.

Program/Position Highlights

- Current team of 2 child neurologists
- Strong support within a comprehensive pediatric subspecialist team, including pediatric hospitalists
- Primarily clinic based (80%) with consults in the hospital (20%)
- 130 dedicated pediatric beds
- Part of a Thompson Reuter Top 15 Health System serving 18 counties

Position Requirements

- BC/BE by the American Board of Psychiatry & Neurology with Special Qualification in Child Neurology
- Licensed or eligible for medical licensure in North Carolina
- 2-3 years experience preferred
- Interest in neuromuscular or sleep disorders preferred

CONTACT:

misty.daniels@msj.org
<http://www.missionmd.org/content/child-neurologist>

CNS PERSONNEL REGISTRY
OKLAHOMA

Associate Professor/Professor

University of Oklahoma College of Medicine
Chief of Child Neurology
Endowed Chair in Child Neurology

The Department of Neurology at the University of Oklahoma College of Medicine is seeking applications for a full-time faculty position at the level of Associate Professor or Professor to serve as Chief of the Section of Child Neurology and Presbyterian Health Foundation Chair in Child Neurology. Pediatric epileptologist preferred. Successful candidate would join and lead a child neurology group of 4 MDs (including one epileptologist) and 1 NP.

The candidate must be eligible for an Oklahoma state medical license, have completed training in child neurology, and have board certification by the ABPN with special qualification in child neurology. It is preferred that the applicant also have completed subspecialty training and board certification in neurophysiology (EEG) or epilepsy.

Responsibilities include leading the section of child neurology in collaboration with the department chair; mentoring child neurology faculty; caring for pediatric inpatients and outpatients; teaching medical students and residents; reading EEGs; staffing the epilepsy monitoring unit (EMU) for adult and pediatric patients; and leading clinical research initiatives in child neurology and epilepsy. Facilities include The Childrens Hospital at OU Medical Center a 250-bed complex that serves as the major pediatric referral hospital for Oklahoma; the OU Childrens Physicians Building, an ambulatory care center that houses all pediatric primary care and specialty providers at OU; and the only Level IV Epilepsy Unit in the state, including an 8-bed EMU (4 adult, 4 child).

Since 2007, the OU College of Medicine Department of Neurology has grown from 16 faculty members to 41; added multiple new clinical services; expanded the residency program from 14 to 24;

and initiated 3 new fellowship programs. As part of OU Physicians, the largest physician group in the state with more than 600 doctors, and OU Medical System, the states largest and most diverse hospital system, OU neurologists are able to offer comprehensive care in state-of-the-art facilities.

Oklahoma City is vibrant, inexpensive, and economically stable with a cost-of-living index among the lowest in the U.S. For several years, it has undergone a billion-dollar renaissance with improvements across nearly every sector and is home to the Bricktown entertainment district, ballet, theater, philharmonic, major concerts, and the NBAs Oklahoma City Thunder.

For more information about this exciting opportunity, please contact:
David Lee Gordon, MD
Professor and Chair,
405/271-4113
david-gordon@ouhsc.edu

or
OU College of Medicine Department of Neurology, 920 Stanton L. Young Blvd., Ste. 2040, Oklahoma City, OK 73104.

The University of Oklahoma is an equal opportunity employer. Individuals with disabilities and protected veterans are encouraged to apply.

CNS PERSONNEL REGISTRY
SOUTHERN US

EXCITING OPPORTUNITES IN DALLAS, TX AND PENSACOLA, FL FOR BC/BE DEVELOPMENTAL PEDIATRICIANS

Pediatrix Medical Group has full-time opportunities available for developmental behavioral or neurodevelopmental pediatricians to join one of our developmental pediatric service practices in Pensacola, FL and Dallas, TX.

**AD
PLACEMENT**

Ads may be placed in the CNS Newsletter with rates for text-only ads beginning at \$150. Graphic ads begin at \$525 for 1/4 page (email/call for rates). Ads placed in newsletter may also be placed on CNS Website for \$75 (\$225 for non-members).

Deadline for placement in the December/January issues is December 10.

TO POST AN AD:

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

SOUTHERN US continued

As a Developmental Pediatrician, you will enjoy:

- Sharing cases and challenges with other developmental behavioral / neurodevelopmental pediatricians and advanced nurse practitioners.
- Caring for a diverse, stimulating patient population that includes neonatal follow up, as well as a broad range of other developmental diagnoses.
- Sharing in collegial and supportive relationships with neonatologists and other subspecialists.
- Participating in academic opportunities (CME and research) through Pediatrix without publication mandate.
- Fulfilling your MOC requirements and improving patient care through a well-developed system and support for continuous quality improvement projects.

Board certification or board eligibility required. Newly graduating fellows are welcome to apply!

To apply for either of these positions or learn more about our benefits and our national group practice, visit www.pediatrix.com/clinicalcareers or contact Francine Messina at 800/243-3839, ext. 5635.

Pediatrix is an Equal Opportunity Employer

CNS PERSONNEL REGISTRY TENNESSEE

Academic Pediatric Neurologist at Vanderbilt

Monroe Carell Jr. Children's Hospital at Vanderbilt is seeking a BC/BE Pediatric Neurologist to join our team. Recent graduates as well as experienced physicians are welcome to apply. Compensation is competitive and commensurate with training and experience. The successful candidate will be passionate about providing the highest quality care to children with neurologic issues. Candidates with subspecialty training and research interests are also encouraged to apply.

The Pediatric Neurology Division is the region's leading provider of neurologic care for infants, children, and adolescents. Our Neurology Division currently has 12 providers with subspecialty expertise in epilepsy, stroke, sleep, neuromuscular disorders, neurointensive care, movement disorders, pain management, and headache. Our Child Neurology residency program is categorical with 3 positions available each year.

Nashville is one of the most exciting and vibrant cities in America. Amenities abound including multiple universities and colleges, NHL and NFL teams, an unparalleled music scene, moderate climate, low crime and affordable housing.

Vanderbilt Medical Center is committed to a culturally diverse faculty and strongly encourages applications from female and minority candidates.

Interested candidates should contact Kevin C. Ess, Chief of the Division of Pediatric Neurology at kevin.ess@vanderbilt.edu

CNS PERSONNEL REGISTRY TEXAS

Pediatric Movement Disorders Physician Opportunity

Debra Brimer
debbie.brimer@cookchildrens.org

Cook Childrens (located in Fort Worth, Texas) has an exciting opportunity for a full time Pediatric Movement Disorders physician! This physician will join 11 other child neurologists, 2 of which specialize in movement disorders. The movement disorders program is nationally and internationally recognized for its pediatric DBS program. In addition to DBS, the program is one of the busiest baclofen pump and Botox referral centers in the state and the region. The candidate will become part of the Neurosciences Division at Cook Children's Medical Center and enjoy support from three pediatric neurosurgeons and three neuropsychologists. The candidate will be involved in the management of patients in our state-of-the-art neuro-

rehabilitation unit. The candidate will have access to a ten-bed epilepsy monitoring unit and an active epilepsy surgery program. She/he will have support of a complete neurophysiology laboratory and will be able to refer children with intractable epilepsy, neuromuscular disorders, and headaches to other physicians within the group. The doctor who fills this position will care for patients in a variety of settings including hospital, clinic and out-reach areas.

Qualifications:

Incumbent should be board certified/board eligible in child neurology and eligible to obtain an unrestricted Texas Medical License before commencing employment.

More about Cook Children's:

Cook Childrens Medical Center is a free-standing 457-bed pediatric hospital. Cook Childrens physicians enjoy a collegial relationship with more than 300 specialty and primary care associates. Cook Childrens Physician Network is the employed physician component of Cook Childrens Health Care System, a pediatric system of care where physician leadership is fostered and physicians actively participate in the strategic goals as well as the mission of the organization.

Knowing that every child's life is sacred, it is the promise of Cook Children's to improve the health of every child in our region through the prevention and treatment of illness, disease and injury.

Cook Childrens is a EOE/AA, M/F/Disability/Vet

EXCITING OPPORTUNITES IN TEXAS AND FLORIDA FOR BC/BE DEVELOPMENTAL PEDIATRICIANS –

See ad for Florida & Texas under "Southern US"

CNS PERSONNEL REGISTRY
VIRGINIA

Child Neurologist – Headache/Acute Brain Injury Specialist

Virginia Commonwealth University
Medical Center Richmond, Virginia Child
Neurologist Headache/Acute Brain Injury

The VCU Department of Neurology at the Medical College of Virginia campus is seeking a BC/BE Neurologist with Special Qualifications in Child Neurology and experience in headache and/or management of acute brain injury. In addition to subspecialty practice, the successful applicant will have the opportunity to develop his/her research programs as well as participate in ongoing clinical research studies. Prior experience in basic or clinical research is desirable but not required. An interest in education is essential, and participation in teaching programs for medical students, neurology residents and neurophysiology fellows is required.

Qualifications:

BC/BE Neurologist with Special Qualifications in Child Neurology. Applicants must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU.

Academic rank is dependent upon qualifications and experience. Applications will be reviewed as received, and the position will remain open until filled. Interested candidates should provide the following; a curriculum vitae, a letter of interest, and three reference letters emailed to dslawski@mcvh-vcu.edu or mailed to Lawrence D. Morton, M.D., Child Neurology Chair, c/o Desiree Slawski, Virginia Commonwealth University, P.O. Box 980599, Richmond, VA 23298-0599. Review of applications will begin immediately, and will continue until the position is filled.

Virginia Commonwealth University is an equal opportunity, affirmative action university providing access to education and employment without regard to age, race, color, national origin, gender, religion, sexual orientation, veteran's status, political affiliation or disability.

CNS PERSONNEL REGISTRY
WASHINGTON

Two Child Neurology Faculty Positions

The University of Washington School of Medicine and Seattle Childrens Hospital are seeking two outstanding pediatric neurologists to join an expanding program in the Department of Neurology, Division of Pediatric Neurology. Applicants should have strong clinical skills in general pediatric neurology, and will be expected to develop a subspecialty program. Applicants with clinical expertise in movement disorders, white matter disorders, and autonomic nervous system disorders are particularly encouraged to apply. These are full-time appointments at the Assistant Professor rank (without tenure) in the clinician-educator academic pathway, but candidates with exceptional qualifications may be considered for appointment at the rank of Associate Professor (without tenure) or Professor (without tenure). Requirements include an MD or DO or foreign equivalent degree, eligibility for medical licensure in the State of Washington, and certification by the American Board of Psychiatry and Neurology in Neurology with Special Qualification in Child Neurology. In order to be eligible for University sponsorship for an H-1B visa, graduates of foreign (non-U.S.) medical schools must show successful completion of all three steps of the U.S. Medical Licensing Exam (USMLE), or equivalent as determined by the Secretary of Health and Human Services.

Applicants should send a letter of interest and their curriculum vitae to: Sidney M. Gospe, Jr., MD, PhD Herman and Faye Sarkowsky Endowed Chair Head, Division of Pediatric Neurology Seattle Childrens Hospital 4800 Sand Point Way NE MB.7.420 Seattle, WA 98105 206/987-2078 sgospe@uw.edu

These positions are open until filled. The University of Washington is building a culturally diverse faculty and strongly encourages applications from female and minority candidates.

The University of Washington is an affirmative action, equal opportunity employer. University of Washington faculty engage in teaching, research and service.

CNS PERSONNEL REGISTRY
WISCONSIN

UW Madison Pediatric Epilepsy and General Pediatric Faculty Positions

The Department of Neurology at the University of Wisconsin School of Medicine and Public Health seeks fellowship-trained BC/BE pediatric epileptologists and a general pediatric neurologist to join our expanding Pediatric Neurology Program and Comprehensive Epilepsy Program.

The position includes opportunities for clinical, research, and teaching activities in an academic environment with pediatric and adult epileptologists, general pediatric neurologists, faculty in other services including pediatrics, neuropsychology, neurosurgery, neuroradiology, clinical neurophysiology and basic science research faculty.

Please send curriculum vitae and the names of at least three references to: Thomas Sutula, MD, PhD Chair, Department of Neurology-5132 University of Wisconsin School of Medicine and Public Health 600 Highland Ave., Room H6/574 CSC Madison, WI 53792.

Submission of application information online is preferred; please forward to applications@neurology.wisc.edu.

Unless confidentiality is requested in writing, information regarding the applicants must be released upon request.

Wisconsin Caregiver law applies. UW-Madison is an Affirmative Action/ Equal Opportunity Employer.



Child Neurology Society
 1000 West Cty Rd. E, Suite 290
 St. Paul, MN 55126

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**Mallinckrodt Pharmaceuticals
 Autoimmune and Rare Diseases**

- Philip R. Dodge Young Investigator Award

PARTNER LEVEL (\$50,000–\$99,999)



Sarepta

- Tote Bags
- Thursday Satellite Symposium



Nationwide Children's Hospital

- Wednesday Welcome Reception

Thanks to the following for their continued support of awards presented at the CNS Annual Meeting



Akron Children's Hospital

- Hower Award Lecture



Arnold P. Gold Foundation

- Arnold P. Gold Foundation Humanism in Medicine Award at the Child Neurology Society



Blue Bird Circle

- Blue Bird Circle Training Program Director Award