



NEWSLETTER

“And They’re OFF... to Louisville, Kentucky!”

Welcome to the 38th Annual Meeting of the Child Neurology Society. With no horse races at Churchill Downs to bet on this week, child neurologists converging on the Downtown Marriott in Louisville, Kentucky may choose to place a friendly wager on the total number of registrants attending this year’s meeting. Will it eclipse last year’s record shattering 950 in Santa Clara, or slip back to the 850-875 range of the previous five years? The meeting venue is certainly more alluring; with its wealth of dining, arts and entertainment options and the likelihood of pleasant mid-autumn weather and brilliant fall foliage beckoning from the banks of the Ohio River, it’s a safe bet most attendees will find Louisville a definite upgrade from Santa Clara and a fitting lead-in to subsequent Annual Meetings in Providence (2010) and Savannah (2011).

A few things to keep in mind as the meeting approaches and progresses:

Wednesday NDC Symposium

Registration packets and name badges can be picked up from 5:00 – 7:00 pm, Tuesday and 6:30 am – 5:00 pm, Wednesday on the first floor of the Kentucky International Convention Center (across the street from the Marriott). Continental Breakfast will be served outside Room 101-104 beginning at 6:30 am, Wednesday. The Symposium begins at 7:30 am. **REMEMBER:** Attendance at NDC Symposium is by pre-registration only. If you did not pre-register by September 15, there will be no seat and no handouts for you. Print and catering deadlines and the \$\$ commitment that goes with them simply do not allow for on-site registration. Please, plan ahead for next year.

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CHILD NEUROLOGY SOCIETY

From the President



John Bodensteiner, MD
CNS President

With the Annual Meeting and the end of my term just around the corner, I have several things I would like to say to the membership of the Child Neurology Society. Before anything else I would like to thank the members of the Society and the nomination committee for giving me the opportunity and the honor of serving as President of the CNS. I also want to thank the staff of the CNS national office, Mary Currey and Roger Larson, who, as most of you know, are the only two who know everything about the Society and thus represent its living archives. We have talked on a weekly basis and they have been instrumental in literally everything that the CNS has accomplished during my time in office. I owe them a debt that I am not able to describe adequately but at least I want to express my heartfelt gratitude for their guidance and help for me personally and for all they have done for the Child Neurology Society over the years. Thanks also to Sue Hussman and LeAnn Lewno, for the key support they provide Mary, Roger and the CNS.

I believe there is an ancient Chinese saying, usually described as a curse, which states; "may you live in interesting times". Whether the fulfillment of a curse or not, it is certainly true that we are living in a time of rapid and profound change that will affect each and every one of us to some extent and certainly will affect the way medicine is practiced in the future. It seems that as a profession, we are in for a period of even more intense regulation (though it seems impossible) than we presently enjoy. I am not, however, going to step off the edge into the morass that is the repair and reconstruction of the health care delivery system in the United States. Rather, I will try

to limit my comments to more parochial issues for our community of child neurologists.

It has been true for a decade at least and continues to be true that there are not enough child neurologists in the country to meet the demand for services. Although I was opposed to child neurology entering the match, it clearly has been beneficial for the specialty. Information is more available to students and prospective residents and apparently, as a result, there has been an increase in the number of prospects choosing to enter child neurology residencies. The number of trainees per year had been about 35 for a decade or so prior to the institution of the match, but the number has jumped to just over 100 since then. This increase in trainees may help to offset the fact that there are a number of child neurologists who are reaching the age when retirement seems like an attractive option; though the economic recession may forestall the retirement of many, it will not last forever and there may be trouble meeting the demand for pediatric neurologist, and the current number of trainees will not erase the gap between the number of child neurology practitioners and the number required to meet the demand for their services.

This brings me to a comment about a disturbing trend that I have seen developing as the budding child neurologists begin looking for jobs. Administrators of hospitals in many medium size to smallish towns have decided that they want to be able to say they have child neurology among the services they offer. Many of them have apparently decided that the way to attract such a specialist is to offer rather large salary guarantees for the first year or so of practice. This practice seems somewhat



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mendacious to me as the resident certainly is attracted to the offer and often fails to realize that the income after the guarantee period will be strictly dependent on the revenue they are able to generate on their own. This is not to mention the 24/7 call and coverage for consultation that is expected. I submit that it is very difficult for a child neurologist to generate the kind of revenue that would be required to cover their inflated "guaranteed" salary without being compelled to do things that they really should not be doing.

The issue of fair reimbursement for services for non-procedure based specialties, however, is much larger than the questionable practice of making outrageous offers to newly minted practitioners. As long as the mechanism for determining the value of a service delivered is unable to take into account the cognitive work of making an appropriate diagnosis, or translating the diagnosis into meaningful information for the families, there will be a shortage of physicians willing to participate in the cognitive specialties. This is true of Pediatric Neurology (outside of epilepsy) and several other pediatric specialties like endocrinology, nephrology and genetics. The government often decries the shortage of primary care and cognitive physicians, but the shortage will not be remedied until a way is found to reimburse them fairly for what they do.

As long as I am talking about governmental issues I want to say something about the role of the CNS and CNF as advocates for children with neurological disease, which I believe is critical for our mission and even our survival in many ways. Due to our small numbers, however, we must collaborate/cooperate with like-minded, preferably larger organizations when possible, to achieve our shared objectives. At this point in time, the work of our Legislative Affairs Committee is pivotal to our progress. The LAC identifies pending legislation, hearings, position statements and the like that we can affect either by our own efforts or by partnering

with larger groups. In the last year we have been quite successful in working with the AAN, ANA, AES (less so with the AAP) on issues of mutual interest. With profound changes considered for the entire health care delivery system our efforts in these areas and our attention to the ongoing legislative process is very important, indeed critical to the well being of our specialty. Implicit in the advocacy efforts of the CNS is the idea that the Society represents the community of child neurologists in this country. If this is to be the case, then it is critical that the Society embrace the young child neurologists finishing their training. I would encourage all the training directors to have their residents take advantage of the discounted membership dues for junior members and the discounted registration fees for junior members to attend the annual meeting of the CNS. As further inducement to encourage the junior members to participate in the annual meeting, this year's registration fee is waived for those junior members who are presenting posters or papers at the meeting.

The theme of developing a closer relationship to the AAN has been important for Dr. Sergay, the previous president of the Academy, and the current president, Dr. Berch Griggs has taken this theme further and plans, with the participation of the CNS, to align the efforts of the two organizations much more closely in the future. Accordingly, I will be discussing how best to accomplish these goals with Dr. Rob Rust, chair of the Pediatric Neurology Section of the AAN. For their part, the Academy has plans for an entire one-day session devoted to child neurology at their annual meeting. This is not to be just child neurology for the adult neurologist, but will be advances in child neurology for the child neurologist. Other discussions for joint activities with the AAN include the possibility of jointly sponsored meetings, educational offerings and research prizes. I think we need to recommit to our efforts to work in concert with the AAP to achieve common goals as well, but I

CHILD NEUROLOGY SOCIETY

Letter from the President

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also feel strongly that we should initiate and expand our interactions with international organizations related to child neurology such as ICNA, EPNA, AINP and the child neurology societies of other individual countries. We all share a fundamental interest in advocacy for children with neurological conditions or disabilities and exchange of information and parallel or combined efforts in support of these children can be extraordinarily effective compared to the efforts of isolated or single groups. I think we should expand the interactions with our global neighbors by sponsoring directly and otherwise encouraging visiting professorships, observerships and other types of interactions between child neurologists from our neighboring countries.

As you all are aware, the process of certification by the ABPN is changing. The certificates are time-limited; in order to take the recertification examination, the diplomate of the ABPN will have to fulfill a number of continuing education and self-improvement activities. One of the primary vehicles for this process will be the Self Assessment Examination (SAE). The Society is in the process of developing a SAE that is to be part of the recertification process now referred to as "maintenance of certification" (MOC). Since the SAE and other MOC activities leading up to the recertification examination are not under the direct control of the ABPN, the CNS has the opportunity to create and administer its own SAE as part of the preparation for the recertifying examination. The first SAE exams will be available in 2010 and will be administered on line by the AAN for adult neurology and by the CNS for child neurology. By the time this is published, we will have most of the materials for the first iteration of the examination complete and will be in the process of putting the examination on

the CNS website so all those wishing to use this as part of their MOC may have access to it. Once the first version of the exam is up, work will begin on building a bank of materials for the examination so that it will be updated and modified each year so as to be always current.

Earlier this year, the Society determined that it would begin the process of developing endowments for the major awards we give each year at the annual meeting. This includes the Hower and Sachs lectures, the Lifetime Achievement awards, the Neuroscience Research Prize for the outstanding paper by a high school science student (given jointly with the AAN), the D'Souza International Travel Award and the Outstanding Junior Member Award and the Child Neurology International Visiting Professor Award. The D'Souza Award has served as the prototype for this process as we have successfully built an endowment to insure that this award is funded each year. One of the cornerstones of the effort to develop these endowments was our plan to develop an endowment for the Philip Dodge Young Investigator Award. This is one of our more important awards as it not only encourages promising young investigators to continue their work, but it provides a modest sum to support their research. We had planned to launch the drive to develop the endowment for the Dodge Young Investigator Award at the annual meeting in Louisville. Now, with the recent passing of Dr. Dodge, the effort to build an endowment for the award in his name assumes an even more important and poignant place in our thoughts. I am convinced that Dr. Dodge would have appreciated our efforts. Drs. DeVivo, Fishman, Johnsen and Volpe, four of our most prominent members associated with Dr. Dodge, have graciously agreed to

co-chair the Philip R. Dodge Young Investigator Award Endowment Committee. As part of this process, you will be receiving more information about the endowment effort and will have a chance to contribute both at the meeting, where a booth devoted to the Dodge Young Investigator Award will be prominently featured, and after the meeting, either on-line or by mail.

Finally, if you have visited the CNS web site recently you will have noted that it is constantly moving forward with new features and improvements. The web site will serve as the platform for the administration of the Self Assessment Examination next year and also will continue and expand programs such as the case studies section and a repository of the educational materials from the annual meeting, practice guidelines etc. The ACNN (Association of Child Neurology Nurses) has recently published their *Child Neurology Telephone Encounter Guide* that will be available for perusal and purchase at the meeting. Take a look at this book as it may be very useful for many practices.

I look forward to the meeting in Louisville. It should be fun with high quality educational and scientific presentations; I believe you will find the city quite charming, as there are many good restaurants and lots to see and do, should you be able to break away from the meeting, that is. I want to close by saying that it has been an honor to serve as the President of the Child Neurology Society. I have been impressed by the good sense, intelligence and willingness to contribute time and effort on the part of the officers, committee chairs and the office staff of the Society. I cannot help but think that we will be in for a couple of great years as Donna Ferriero takes over as your next president. We will be in very capable hands.

CNS TO CONFER FIVE AWARDS AT 38th Annual Meeting in Louisville, KY

The Child Neurology Society will recognize five members at the 38th Annual CNS Meeting in Louisville with the presentation of awards to Drs. Peter Camfield (Hower Award), Gregory Holmes (Sachs Award), Jeffrey Neul (Philip R. Dodge Young Investigator Award), Mary Anne Guggenheim (Lifetime Achievement Award) and G. Dean Timmons (Lifetime Achievement Award). Those honored were selected by the CNS Awards Committee and subsequently approved by the CNS Executive Committee. The CNS Awards Committee is composed of eight standing members plus chair (6-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. Profiles of the awards recipients, as always, were written by Dr. Robert S. Rust, Chair of the CNS Archives Committee.

Bernard Sachs Award



GREGORY L. HOLMES,
M.D.

GREGORY L. HOLMES, M.D.

Born in Toledo, Ohio in 1948, Greg Holmes' initial interest in epilepsy was prompted during high school, observing the seizures of young lady and the fear and shunning that these engendered in classmates and teachers. Dr. Holmes attended Washington & Lee University. He was awarded Bachelor of Science with a double major in biology and psychology in 1970. Holmes obtained his medical degree from the University of Virginia in 1974. Encounters with neurologists Jim Miller, Fritz Dreifuss, Bill Logan, and T.R. Johns shaped his decision to become a neurologist. He admired their emphasis on observation and analytical thinking referenced to the neurobiological basis of disease. He was struck by the remarkable energy and productivity of Dr. Dreifuss. Logan and Dreifuss would remain particularly influential clinical role models. Encounters with Ben Shaywitz and Peter Huttenlocher at Yale, where Holmes completed two years of pediatrics training, further confirmed his career decision. Another fateful encounter at Yale was Holmes meeting a nurse who would become Mrs. Colleen Holmes upon the completion of his training in neurology/child neurology at the University of Virginia. In 1979 Holmes assumed his first faculty position, at the University of Connecticut.

A remarkable pattern of achievement was established during these years. Dr. Holmes was first author of four papers based upon his two pediatrics years and five based on his three years of neurology. His seven years of Connecticut experiences resulted in 39 papers. These were not inconsequential case reports. Virtually all were substantial contributions. His very first paper on Strümpell's paraplegia has been cited 62 times. Nine of these papers have been cited more than 50 times. Of particular note was his work on pseudoseizures, Landau-Kleffner, childhood absence, and the prognostic value of EEG in neonates. A Connecticut paper published in 1984 was a watershed event—Holmes's consideration of the effects of a single brief seizure on threshold for seizure recurrence in rat pups. Dr. Holmes credits the CNS in general and Dr. Nico Moshé in particular for his decision during this stage of his career to become a bench scientist. A Moshé CNS abstract prompted a letter from Holmes to Moshé and a return invitation to come to Einstein and learn the technique. In addition to a skill, Holmes acquired Moshé's fascination for what might be learned from the brain of a rat pup and found in Moshé—one of the smartest and most insightful colleagues that he was ever to encounter—a role model.

CNS ANNUAL MEETING Award Profiles

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Another person Holmes regards as having been critical to his bent toward basic science in addition to a clinical one was his Division Chief, Barry Russman. The bench techniques were learned during fleeting trips to New York. Russman not only skillfully advised Holmes, he carefully protected his time during the critical early phase of career development; at least, he did so as best he could in the face of Holmes's strong work ethic and capacity to get many things done at once. The Moshé and Russman lessons were not wasted on Holmes, who has subsequently provided the same sort of support for his own large cadre of trainees and faculty colleagues. Associate Professor Holmes continued successfully and essentially seamlessly to organize and carry out research as he moved in 1986 to the Medical College of Georgia as Director of Pediatric Epilepsy and then, in 1988, to Boston Children's as Director of neurophysiology, epilepsy, and the Center for Research in Pediatric Epilepsy. He rose to the rank of Professor in 1996. There appears to have been no interruption in the pace of work and productivity in 2002 when he moved to Dartmouth, initially as Chief of the Section of Neurology (Internal Medicine), and subsequently in 2009 when he became the first Chair of a newly established Department of Neurology. As his administrative responsibilities widened, Holmes credits the example of Joseph Volpe as the best possible model for effectively and productively carrying out a complex set of duties, balancing research, a continued commitment to excellence of clinical care, and mentoring for the maximal benefit of all concerned.

Very early in his bench career Holmes became adept at the adaptation of experimental methods and paradigms to the accomplishment of hypothesis-driven investigations of both the physiology and pathophysiology of developing brain, particularly as regards developmental changes in vulnerability to the development of epilepsy. With his colleagues, Holmes has characterized physiological changes with or without evidence of cellular injury as the result of seizures generated in the hippocampus and has documented the evolution of the kindled state with relation to receptors as well as local or distant changes in neural network function. His initial 1984 paper was the first of what has to date included 136 full-length original papers, the substantial nature of which is reflected in the fact that these papers have been cited more than 3750 times. Only a few highlights of this technically sophisticated work of three decades

can be considered here. One most important element has been his decision to center many considerations on the effect of seizures on hippocampal place cells and their connections, employing their function in relation to orientation to study explorational learning, memory, adaptation, sensorimotor development, and even emotion in his rat pups. His end-points have involved disarmingly clever and revealing rat behavioral paradigms.

A few of many areas to which Holmes and associates have directed their attentions have been the effects of provoked or kindled seizures (including intensity, frequency, and duration, the effects of maternal seizures, hormones, toxins, genetic determinants, starvation, temperature, medications, and the downstream effects on other hippocampal and extrahippocampal locations including mirror foci and cortical connections. In essence the work is filling in the details of the actual functional anatomy not of just one type of seizure, but of several. The stage of brain development has been a particularly important aspect of these studies, including regional developmental changes in the polarity of action GABAergic synapses and the formation of neural networks. This aspect of the work has been particularly influenced by Yezekial Ben-Ari, with whom Holmes spent a Parisian sabbatical year. These studies have provided a window on epileptogenesis and the opportunity to study factors that heighten or reduce risk for such a transformation. They have in addition provided the opportunity to assess or develop preventive or ameliorative approaches to the development of epilepsy in developing brain. They have expanded understanding of normal physiological brain development and function including factors that influence normal or abnormal neurogenesis and the nature of brain plasticity. Even the possible ameliorative effects of enriched environmental stimulation on the developmental outcome of rat pups that have experienced status epilepticus have been studied.

The design and carrying out of so much work is a tribute to Holmes' prepared mind (he reads and listens as well as he observes), experimental flexibility and cleverness, quiet determination, and his capacity to recruit and retain the best and the brightest of trainees, colleagues, collaborators. Despite such potential disruptions through the course of his career, Dr. Holmes has been the Primary Investigator of seven NIH-sponsored grants and the support of 32 additional

grants. He has attracted a total of 32 basic research fellows in his laboratory and 29 fellows to carry out clinical investigations. Thirty-eight of his trainees now hold academic positions.

The clinical work in which Dr. Holmes and his colleagues have engaged is also quite remarkable, covering a breadth of topics that cannot adequately be reflected in this space. This includes 91 full-length original papers to date, concerning a broad spectrum of clinical subjects amongst which epilepsy in particular is richly but not exclusively represented. This work has been cited more than 2670 times—a particular achievement for clinical investigation. Among the more highly cited contributions are reports refining the clinical and electrophysiological descriptions of epileptic and non-epileptic entities, efficacy and side effects of treatments of epilepsy, neurological consequences of asphyxia, neonatal seizures, ECMO, and cardiac bypass surgery, and many other topics.

Particular personal qualities figure importantly in Holmes' success in organizing collaborative basic and clinical research and exerting leadership in the other aspects of his career. These include impeccable honesty, kindness, an understated and often self-deprecatory sense of humor, and an almost invariably calm and imperturbable bearing. To these are added the remarkable quickness of his prepared mind for perception of the most worthwhile objectives to pursue with swiftness and extraordinary energy and exemplary diligence. In pursuit of such objectives his respect for the contributions of both collaborators and trainees has inspired considerable loyalty.

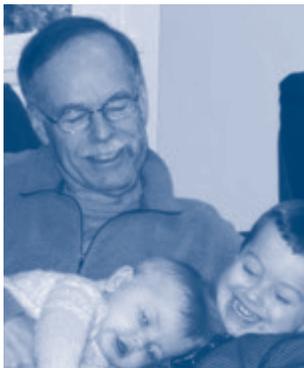
Dr. Holmes has published 123 intelligent and informative review papers, 62 book reviews, fifty-six excellent chapters, and he has edited more than ten books. As if his publication record were not enough, Dr. Holmes has made the remarkable international contribution of delivering more than 420 invited lectures to audiences on six continents. It has been suggested that these efforts provide him with the opportunity to get some uninterrupted time during flights to get yet more work done. Dr. Holmes talents, wisdom, and insight have been proffered as consultant

for the NIH, the March of Dimes, and the medical research councils of Canada, Ireland, Britain, the Netherlands, and Czechoslovakia, as well as 17 drug manufacturers. His service in professional societies is too extensive to review in detail. As a CNS member his services have included membership on the Awards, Long-range planning, Decade of the Brain, Program and Scientific Selection Committees. From 1993 to 1995 he served as Councillor from the East on the CNS Executive Committee. He served with similar distinction on numerous committees with similar responsibilities in the American EEG Society, AAN, Southern EEG Society, Epilepsy Foundation of America, the AES (including Presidency), and the learned societies of other nations. Dr. Holmes has served on 31 NIH committees and study sections, with similar responsibilities on the research institute committees of eight other nations.

Dr. Holmes's contributions have been recognized in the presentation to him of numerous awards, including the Sidney Farber (UCP), John Horsley (UVA), Segawa (Japan), Michael (Germany), Milken (AES), Pierre Gloor (ACNS), Ambassador for Epilepsy (ILAE), Inspiration for a Cure (WMEAC), and now the Sachs (CNS). It cannot be doubted that Dr. Holmes appreciates the recognition he has achieved, although he tends to assign to credit for much of the work to his associates. There is little doubt, however, that he also cherishes the fact that despite so many and various demands, he and his wife, Colleen have managed to raise two outstanding sons—Marcus, whose studies for a PhD in political science have carried him from the University of Virginia to Georgetown and then Ohio State, and Garrett, whose route to a PhD in philosophy has carried him from Dartmouth to University College London, and now University of Texas, Austin. Greg's quite remarkable and patient wife Colleen has maintained her own professional career as clinical and research nurse at each of the successive stages of academic moves. The family is rounded out by a pair of Golden Retrievers, the usual company of Dr. and Nurse Holmes when they find quiet time together to hike in each other's excellent company.

CNS ANNUAL MEETING Award Profiles

Hower Award



PETER CAMFIELD, M.D.

PETER CAMFIELD, M.D.

Born in England, Peter Camfield moved as a child with his family to Canada, becoming a Canadian citizen in 1954. He obtained his Bachelors Degree in 1966 from Queen's University, Ontario and then crossed the border to pursue his studies at Harvard Medical School. Quite early in his medical training he was profoundly affected by the lectures of his fellow Canadian, David Hubel and Hubel's Swedish colleague, Torsten Wiesel. Their now even more detailed and fascinating work on visual system development proved to be as fascinating to Camfield as a few years earlier it had been for Mary Anne Guggenheim. And thus it was that not only were these two remarkable young scientists completing work for which they would be awarded the Nobel Prize in 1981, they had, in addition the distinction (of which they perhaps were unaware) of serving as the initial attractants to neurology and neuroscience of at least two individuals who in time would become some of our finest child neurologist/ neuroscientists. Upon completing medical school in 1970, Dr. Camfield returned to Canada for medical internship at the Royal Victoria Hospital in Montreal. He then recrossed the border to complete his pediatric residency at the University of Michigan.

At the conclusion of residency, Dr. Camfield married Dr. Carol Spooner, establishing a relationship that would greatly enrich his personal and professional life. They spent two months with Patrick Bray and Jack Madsen at the University of Utah and the balance of a year engaged in travel. Dr. Camfield's training as a child neurologist was then undertaken and completed at McGill University/Montreal Neurologic Institute. At McGill Dr. Camfield's career development was particularly influenced by many of the extraordinarily distinguished faculty available to him. These now internationally renowned individuals included Fred Andermann and Gordon Watters, whose contributions to child neurology have been recognized by major CNS awards. Also the late

George Karpati, a neuromuscular specialist (who had his own ties to Camfield's ultimate career destination, Dalhousie University); pioneer metabolic/geneticist, Charlie Scriver (six editions ago of his famous textbook); epileptologist/ electroencephalographers David Bloom and the late Pierre Gloor; and epidemiologist, Robert Oseasohn

Few have entered their first career appointment with so broad and firm a foundation for practice as clinician-scientist as had Peter Camfield when he assumed a position at Dalhousie University in Halifax, Nova Scotia in 1977. Not the least important element of that foundation was the presence of his wife, Carol, who also joined the faculty. The couple initiated what cannot be doubted as having represented an extraordinary and extended impact on the health and neurological well-being of Nova Scotians as well as a similarly important and extended impact on medical education at Dalhousie. In 1977 the couple published the first of the remarkable series of collaborative publications that have extended the influence of the Camfield's throughout the world. The couple have co-authored 129 original full-length papers, letters, reviews, or brief reports, Peter in the position of first or senior author in most, but certainly not all, of their co-authored publications. Peter Camfield has published fifteen additional papers, reports, or letters. The Camfields have co-authored 45 excellent chapters on a wide variety of subjects; Peter has authored an additional seven.

With more than 350 listed formal research presentations, invited and honorary lectures delivered over a 37-year interval in North, Central, and South America, Europe, the Caribbean, Far East, Australia, Russia, and elsewhere, Carol Camfield is a similarly prominent co-author or co-presenter. Thirty-five visiting professorships have similarly carried the Camfields throughout the world. The experience of hearing the tandem lectures by the Camfields conveys the sense that their thought processes proceed in perfect

tandem with an excellent sense of who should emphasize what. Their visiting professorships entail meetings in an informal setting where they emphasize not only clinical medicine and science, but the importance that young physicians must invest in retaining a balance of work and recreation. They have exemplified the value they have placed not only on high achievement as physicians, researchers, and teachers, but also as a couple sharing all other aspects of the enjoyment of life. Reflections on so rich and productive a scientific relationship carries one's thoughts back to Pierre and Marie Curie.

Their full-length papers cover a broad range of subjects, amongst which are fifty-three papers considering a very wide range of subjects related to epilepsy, six concerning headache, five on heritable metabolic disorders, and five on movement disorders. Other papers consider syncope, pseudotumor, stroke, learning problems, diseases of muscle and nerve, trauma, SIDS, drooling, and neurological examination. One remarkable thing about all of these papers is how carefully each topic has been selected and how much effort has been expended to gather important, practical, and accurate information. Virtually all of these papers are addressed to an important area of incomplete understanding and virtually all of them provide practical insight as well as direction for further research. Peter and Carol Camfield have a keen eye for what is important and are not the least bit shy about pointing out the inadequacy of general understanding of a wide variety of subjects. The neurological community has benefitted richly from their investigational skills and careful analyses particularly as they are applied to common problems.

The debt of gratitude owed to the Camfields and their collaborators must extend also to the children and adolescents of Nova Scotia who have constituted the stable population base for so many epidemiological and long-term outcome studies—some of which extend for twenty-five years. Included among these studies are some of the best available characterizations of the natural history of various seizure disorders, including febrile, absence, JME, and Rolandic seizures, as well as status epilepticus. These studies provide some of the most reliable information concerning the responsiveness of these disorders to specific

medications and the frequency with which medication side effects might be encountered.

The Camfields have provided guidance concerning many other aspects of medication risk and benefit. An over-riding theme in many studies is confirmation of the pre-eminent importance of obtaining a careful and accurate clinical history. They have learnedly encouraged thoughtfulness and observation and have discouraged excessive numbers of tests. They have deeply considered the role of the EEG in evaluation and management of children with epilepsy as well as those without, with due consideration of the manner in which such testing may be misleading or unnecessary. They have similarly considered when anticonvulsants might safely be dispensed with as in the case of benign Rolandic epilepsy. The Camfields have closely considered a wealth of questions concerning learning and behavior in children with epilepsy.

While many Camfield papers and chapters perform the valuable service of alleviating our anxiety concerning things about which we have known too little, others serve the equally important role of reminding us rather forcefully of the things we think we know that are in fact not yet really so well understood. The scrupulousness with which the Camfields and their associates have refined the boundaries between reliable and unreliable information has greatly assisted the ongoing task of trying to improve the way we do business as neurologists. Among the most highly cited Camfield original full length papers (number of citations in italics in parentheses) are those concerning age-related population-based epilepsy risk up to 15 years of age (85), risk of epilepsy after first unprovoked seizure (118) and factors that worsen an otherwise low risk for mortality from epilepsy (47), risks for seizure recurrence and of medication side effects after onset of treatment (40), and the semiological variability of Rolandic epilepsy (36). Two valuable papers provided an epidemiological foundation for trying a third drug in childhood convulsive epilepsies before opting for invasive management (84).

Another paper richly characterizes the natural history of absence including worrisome associated features (60) psychosocial difficulties (50), and the significant risk for

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injury, especially on bicycles or in the car (59). The Camfields and associates have carefully investigated the differences in cognition, personality, and school success in individuals with right as compared to left temporal foci (64). They have studied the side effects of phenobarbital in toddlers (162) and have taken a skeptical look at the role of this drug as treatment after first febrile seizure (58). They described valproate-induced pancreatitis (67). An early paper described the occurrence of neonatal stroke in the setting of polycythemia (44). Several papers characterize the social and intellectual development and adaptation of individuals with Tourette syndrome (74). Others demonstrate child migraineurs are not necessarily more anxious than their classmates (38) and that vomiting after head injury is often a migrainous phenomenon (15). They have discerned a changing picture of pseudotumor cerebri (50) and have described the surprisingly benign outcome that may be experienced in the curious entity combining basilar migraine, seizures and severely disordered EEG in adolescents (112).

Sticklers for detail and improvement of care and quality of life, the Camfields and their associates have closely considered the subject of treatment of drooling and the suggestion that an indwelling catheter may simplify blood drawing and lessen pain in the management of intractable epilepsy. They have carefully identified the extent and nature of popular and professional stigmatization of epilepsy. Their approach is exemplified at every CNS meeting, where their thoughtful and valuable questions illuminate considerations of a broad variety of topics in our scientific sessions. Camfield papers have one particular attraction that goes beyond the "bottom line." Sometimes one must read an entire paper to find out if the methods are adequate and the message is correct. One is never in doubt with a Camfield paper. Nor is it necessarily to enjoy the work of individuals

who know how to write well—which they do. The reason to read these papers is to enjoy the fine minds of critical thinkers at work, learning the details of where current knowledge stands, why and how they have approached it, and what remains to be done. Sometimes learning all of this leaves one with an embarrassing sense of what remains to be done and why we are not all pitching in to get on with it. Such is the effect of the Camfields.

Their efforts have extended strikingly into another generation. Daughter Reneé C. Shellhaas, MD, is a child neurologist/epileptologist who was awarded the 2008 Shields Fellowship of the Child Neurology Foundation. Now in her third year on the faculty of the University of Michigan, she has assembled a multidisciplinary team employing amplitude-integrated EEG and near-infrared spectroscopy to study neonatal hypoxic-ischemic brain injury, seizures, and the effects of brain cooling therapy.

Peter Camfield became Acting Chief of Pediatrics at Dalhousie in 1993. He is active in the American Epilepsy Society, including service chairing the Outcome Measures and Annual Course Committees. He is an ad hoc reviewer for 14 journals and member of 5 editorial boards. He was the star of a Sesame Street Short Segment (1976). He is recipient of the Best Clinical Trial Award of the International League Against Epilepsy (1983). He shared with Carol Camfield the prestigious Milken Award of the American Epilepsy Society recognizing their distinguished contributions to clinical investigation. The Camfields also shared the IWK Health Center Research Award in 2005. Peter Camfield was the Bellagio Scholar of the Rockefeller Foundation in 2002, recipient of the Penfield Award of the Canadian League Against Epilepsy in 2003, and of the Epilepsy Canada Pioneer Award in 2003. Dr. Camfield's non-professional interests, shared with his wife Carol include travel, sailing and skiing.

CNS ANNUAL MEETING
Award Profiles

Philip R. Dodge Young Investigator Award



JEFFREY NEUL, M.D., PHD

JEFFREY NEUL, M.D., PHD

Jeffrey Neul attended the University of Illinois at Urbana-Champaign for four years, graduating *magna cum laude* (College of Liberal Arts and Sciences), *summa cum laude* (School of Chemical Sciences), and Phi Beta Kappa in 1991 with a Bachelor of Science degree in chemistry. His senior thesis concerned the ubiquinol pathway. He spent the following nine years in the Medical Scientist Training Program of the Pritzker School of Medicine, University of Chicago. Five of these training years were spent in the laboratory of the distinguished developmental geneticist/biologist, Edwin Ferguson. This laboratory has been interested in the most fundamental evolutionary and developmental aspects of embryonic cellular identity, particularly with regard to the determination of dorsal or ventral identification of cell position, as well as the manner in which that positioning influences ensuing development and modulation of synaptic activity within a specific location. One rich area of exploration in the laboratory has been characterization of the morphogenetic Decapentaplegic protein (DPP) signaling pathway function as determinants of asymmetric development of cellular orientation during embryonic development.

Just three years into his work in the Ferguson laboratory, Dr. Neul was a major contributor (second of eight authors) to the characterization of the manner in which a particular dorsalizing factor found in *Drosophila*, named "noggin," promotes the development of dorsal anlage that in turn give rise to the development of the central nervous system. This fundamental contribution to neuroscience (cited 157 times to date) was published in *Cell* in 1996. In 1998 Dr. Neul was first author of a second important contribution to the understanding of the DPP pathway and spatially-restricted activation of receptors that perform critical roles in embryonic functional development.

He demonstrated the manner in which such spatially-restricted activation by two ligand receptors DPP and SAX (in the somewhat eccentric manner of molecular genetic naming and abbreviation for saxophone) contributes to the determination of axial sub specialization in the direction of dorsality of localization of cellular development (cited 66 times to date).

The technically highly sophisticated undertakings of both of Dr. Neul's papers contribute importantly to the emerging understanding of the elegant world of activity gradients that determine cellular developmental fate. They contribute information that is fundamental in understanding the astonishing world of evolutionary capacity and developmental specificity of germ cells, and the working out of the degree of accuracy with which an organism expresses the development sequence intended by an initiating genetic code. Dr. Neul was to receive the Committee Thesis Award for Outstanding Performance in the Field of Developmental Biology upon his graduation in 1999. In 1998 Dr. Neul expanded his scientific education further at the Genetic-Epidemiological Studies of Complex Diseases symposium of UCSF's remarkable statistical geneticist/genetic epidemiologist, Neil Risch, held at Wood's Hole. Not satisfied with the identification of genes underlying specific diseases, Risch has played a major role in revising understanding of the genetic forces underlying the appearance and expression of disease-related genes. THE "PhD portion" of Dr. Neul's education thus equipped him with methods and points of view that prepared him to apply himself with particular elegance to definition of both genetic and physiologic aspects of neurologic function.

Thus armed, Dr. Neul returned to complete the clinical rotations required for his medical degree. The result was the achievement of recognition for his clinical aptitude and devotion. He was

CNS ANNUAL MEETING Award Profiles

JEFFREY NEUL, M.D., PHD, continued from page 11

awarded Clinical Honors in Medicine, Pediatrics, Surgery, Obstetrics/Gynecology, and Psychiatry. Between 2000 and 2005, Dr. Neul trained in pediatrics, neurology, and child neurology at Baylor. During the second year of his neurology training, Dr. Neul co-authored with Dr. Huda Zoghbi a thoughtful review (cited 38 times) of the role MeCP2 plays in regulation of gene expression and chromatin formation in individuals with Rett syndrome, devoting particular attention to the mechanisms that may underlie the widening spectrum of phenotypic expression of MeCP2-related disease. He also reviewed the state of current capacity to study Rett diseases and its variants in both *in vivo* and *in vitro* models. In that same year he was co-author of a paper concerning the neurological complications of the 2003-2004 outbreak of Influenza A in Houston. The following year he co-authored a case report concerning a case of folinic acid-responsive encephalopathy. His third year of neurology training was devoted to a post-doctoral fellowship in Dr. Zoghbi's laboratory.

Dr. Neul joined the Baylor faculty as Assistant Professor in 2005. In the ensuing four years he has co-authored four and first-authored one paper from the Zoghbi laboratory. Each of these papers is of considerable importance. The co-authored papers include 1) demonstration that mutated MeCP2 gene copy number determines variation in neurodevelopmental phenotypes of "male" Rett syndrome in humans; 2) demonstration that the degree of fractional expression of mutant MeCP2 as compared to normal MeCP2 governs phenotypic expression of deficits in motor skills and intellectual capacity, as well as expression of anxiety, social behavior, pain recognition, and regulation of breathing patterns in mice; 3) demonstration of the developmental role that hypothalamic MeCP2 expression plays in the development of feeding behavior, manifestation of aggression, and response to stress, also in mice; and 4) a hypothesis-driven investigation of the effects that folate and betaine may play in the amelioration of clinical features of Rett syndrome in young ladies with the disorder.

Dr. Neul's first-authored paper is a cross-sectional study of 245 girls and women with typical Rett syndrome comparing detailed analysis of their clinical features (particularly ambulation capacity, hand use, and

language ability) with the specific mutations that they manifest. He and his associates found that the R168X pattern (large DNA deletions) was associated with greater likelihood and degree of abnormality in all three domains. They found that the R306C pattern conferred a much milder phenotype, chiefly affecting language. The paper reflects as well on an approach to the design and testing of therapies aimed at specific clinico-genetic patterns of disability. Dr. Neul is co-author of a paper recently submitted to the *New England Journal of Medicine* summarizing the relationship of patterns of disturbance of biogenic amine function to clinical and neurochemical deficits. Dr. Neul has been awarded two NIH/NINDS grants as Primary Investigator to support his basic science investigations of the function of the dopamine system in Rett syndrome and to characterize the role of chromatin-remodeling protein networks in mental retardation. He is Co-Investigator with Dr. Zoghbi of an NIH/NINDS grant aimed at further molecular pathogenic studies of Rett syndrome; is P.I. of a grant from the International Rett Syndrome Association underwriting basic studies of biogenic amines in murine Rett syndrome; and is Co-Investigator with Monica Justice of investigation of modifiers of MeCP2 expression in mice.

In 2008 Dr. Neul was named the Anthony and Cynthia Petrello Scholar of the Jan and Dan Neurological Research Institute of the Texas Children's Hospital. He also assumed the position of Assistant Medical Director of the Blue Bird Circle Rett Center. His professional activities have also included serving as Ad Hoc reviewer for seven prestigious journals, membership on the CNS Scientific Selection and Annual Meeting Planning Committee, and serves on both the Scientific Review and the Medical Advisory Boards of the International Rett Syndrome Foundation. He has delivered twenty invited presentations. Dr. Huda Zoghbi is struck by Dr. Neul's boundless enthusiasm, and the fact that he is very bright, highly creative, and full of ideas. He is hard-working and strongly motivated. He has excellent hands at the bench, displays uncommon rigor in experimental design and execution, and manifests a not wholly unexpected tendency to perfectionism and self criticism. Dr. Zoghbi has enjoyed every minute of her contribution to his training and is now enjoying the great satisfaction of having him as a colleague.

CNS ANNUAL MEETING Award Profiles

Lifetime Achievement Award



G. DEAN TIMMONS, M.D.

G. DEAN TIMMONS, M.D.

Dean Timmons was born in 1931 in a farmhouse in Jasper County, Indiana. His birthweight is unknown—the only available scale was one for weighing chickens. His interest in a career in medicine arose during his junior year in high school. He required surgery and it was during that hospitalization that he came to greatly respect the skill and personal qualities of the surgeon who provided him with such excellent care. Dr. Timmons received his undergraduate degree A.B. in Anatomy and Physiology with distinction from the University of Indiana in 1952. Dr. Timmons remained at Indiana for his medical education. Any thoughts that he may have entertained of a surgical career were displaced when Timmons served as clinical clerk on Dr. Alexander Ross' neurology service. Timmons was captivated by Ross' clinical skills, friendliness, and neurological knowledge. He was particularly struck by Ross' marvelous desire and capacity to teach and be supportive of students, residents, nurses, and other staff members. He was struck by the fact that Ross made all of those he encountered feel "pretty damned important too." It is not surprising that these humane attributes resonated with Timmons, for these were traits and capacities that he too would manifest throughout his own long career.

Upon receipt of his medical degree in 1956, Dr. Timmons spent (as was the custom in those days) a yearlong Internship. During that year he received a letter from Dr. Ross inviting him to return to Indiana to be trained as a neurologist. The University of Indiana program in those days sustained a well-deserved reputation of excellence in training individuals in the broad spectrum of clinical neurology. In addition to such excellent clinicians as Ross and colleague Bill Lamar, Dr. Timmons training was enriched by the systematic teaching of provided by neuropathologist Orville Bailey, whose 18 years at Harvard/Boston Children's had made him one of the great pioneers of pediatric

neuropathology. Dr. Timmons' neurology residency (1957-1962), was interrupted in order to fulfill by a three year Berry Plan military service obligation (1959-1961). Dr. Timmons served as a Captain and neurologist at Sheppard Air Force Base, Wichita Falls Texas. His purview included neurological as well as psychiatric problems but the latter category occupied most of his time. Much of that time was spent with the inpatient Women's Psychiatric Facility—among the largest such units in the military medical facilities in the United States at that time. Together with Dr. Glen Shoptaugh, Dr. Timmons also started the first Child Neurology Clinic at the airbase.

Dr. Timmons' fellowship in child neurology (1962-1964) was enriched by the recent arrival of Director, Dr. Less Drew, from the University of Michigan. Drew's surpassing skills in interacting with children and in obtaining their history and examination, and his great enjoyment of them, greatly impressed Dr. Timmons, whose own practice of child neurology has exemplified similar capacities. It was further enriched by the presence of Dr. William DeMyer who was at that time hard at work on characterization of brain malformations and on the manner in which "the face predicts the brain." Timmons' career-long interest in the learning and behavioral problems of children was fueled by the distinguished neuropsychologist Ralph Reitan. Timmons learned much but in would outgrow conceptions of "minimal brain dysfunction" and "neurologic soft signs" as his own considerable and practical experience-based sophistication made him an expert in children's problems with development, learning and behavior.

Upon completion of training, Dr. Timmons moved to Akron, hanging out his shingle as Ohio's second child neurologist. At Akron Children's Hospital he was to remain Chief of Child Neurology from 1964 until 2000.

In 1969 Dr. Timmons become a Diplomat in Child Neurology, receiving certificate #101. He would soon become a board examiner

CNS ANNUAL MEETING Award Profiles

G. DEAN TIMMONS, M.D., continued from page 13

himself. He has subsequently served as Board Examiner more than 80 times. He has proven a mentor and steadying force for generations of individuals who have nervously inaugurated their careers as board examiners. Dr. Timmons quickly became a very busy practitioner as his reputation in Northeast Ohio rapidly grew. As first Director of Child Neurology at Akron Children's Hospital he gradually expanded the service, recruiting "T.K." Kulasekaran and epileptologist Margaret McBride to join him. Together with metabolic pathologist Joe Potter, neuropathologist Dimitri Agamanolis, and other committed physicians, therapists, educators, and counselors, Akron Children's became an important center for diagnosis and treatment of a wide variety of acute and chronic neurological diseases of children.

Dr. Timmons oversaw the establishment of comprehensive neurodevelopment program, of a comprehensive spasticity clinic and of a multidisciplinary conference to plan and execute the best possible care and rehabilitation for head injured individuals. These initiatives have, over time, been remarkably well supported by the very enlightened administration of Akron Children's Hospital that has manifested enviably smooth function of all other aspects of neurologic care. Always deeply interested in the plight of disabled individuals, Dr. Timmons served as Medical Director of United Cerebral Palsy of Ohio. According to Dr. Timmons, "anyone can take care of an infection, but to take care of chronic illness requires a physician." Dr. Timmons also served as Consultant to the State Director of Clinics established for handicapped individuals. In this capacity he was responsible for the review of facilities and their therapeutic programs. He served as Statewide Consultant on Education for the Ohio State Medical Society.

Dr. Timmons was among the small group of individuals who met in Ann Arbor, Michigan, in 1973 to attempt to realize Ken Swaiman's vision of a national organization of child neurologists. Many senior child neurologists had expressed doubts as to the need for a Child Neurology Society and concern was expressed as to how they might be attracted. A practical "man of action," Dean Timmons convinced wealthy Akron businessman John B. Hower to fund a named lectureship first awarded to Douglas Buchanan and thereafter to a long distinguished stream of senior neurologists who came to devote their efforts to the

young society. Dr. Timmons' further service to the Society has included serving as Chair of the Awards, Private Practice, and Community Care Committees. He has been an active participant in the AAN Practice Committee and was Secretary-Treasurer of the Child Neurology Section of the AAN.

Dr. Timmons has published eleven papers. Six concern heritable metabolic diseases. One concerns patient-physician communication problems, one learning disorders, one the objective measurement of severity of hyperactivity and one the treatment of hyperactivity. Dr. Timmons lectured on neurological diseases at the Northeastern Ohio Universities Colleges of Medicine for 15 years. During 45 years at Akron Children's Hospital he has tirelessly educated residents. He has continued to demonstrate not only how to diagnose and treat, but how to be a physician. He has exemplified as Alex Ross and others did for him, that "to become a physician is to become something more than a diagnostician or a pill passer." His medical students and residents have learned from him the art of listening, of skillfulness in patient interactions and examination, and how to work hard and devotedly while at the same time balancing the demands of life.

Dr. Timmons' first marriage resulted in the birth of four daughters. The eldest is a psychologist, the next oldest has been an actress in movies and in Broadway plays, the next oldest received her Doctorate in trans-cultural adult education and is head of education for an engineering firm. The youngest is currently a graduate student in social work. Dr. Timmons' second wife, Beverly has expertise in early childhood education and holds the rank of Professor in Early Childhood Education at Kent State University. Recently the couple has collaborated in development of a program that aims to prepare teachers to recognize and safely manage seizures in the classroom. It also aims to improve communication between the parents, teachers, and physicians of children with epilepsy. Thus they hope to demystify the disorder, eliminating the unhelpful fright that the sight or report of a seizure in the classroom might provoke in teachers or in classmates and their parents.

The Timmons share a love of travel, bicycling, and have recently taken up fly-fishing. Dean is hoping to be able to ride his bicycle 100 miles on his upcoming 80th birthday.

CNS ANNUAL MEETING Award Profiles

Lifetime Achievement Award



MARY ANNE
GUGGENHEIM, M.D.

MARY ANNE GUGGENHEIM, M.D.

Dr. Guggenheim was born in LaGrande, Oregon in 1935. She completed her undergraduate education at Oregon's Willamette University in 1957, majoring in chemistry. She completed a year of graduate education in biochemistry at the University of Wisconsin in 1957. The research in which she participated, concerning the mechanisms of action of vasopressin, resulted in three important publications. Despite such a promising start for a laboratory career, the strong allure of a career in medicine took hold of her. Guggenheim entered the Harvard Medical School in 1960. Initially uncertain as to which area of medicine she might pursue, she almost immediately fell under the intellectual spell of two recently arrived neuroscientists. She listened with rapt attention as David Hubel and Torstan Wiesel described what they were learning about the visual system development, plasticity and functional mechanisms of the ocular dominance columns of the occipital cortex. A few years later the same dynamic pair would have the same effect on Peter Camfield.

Dr. Guggenheim's fascination with neurology and neuroscience was further stimulated by neurologist, Simeon Locke, who taught the second-year basic neurosciences course. Encounters with two other distinguished clinician-scientists during her third year clinical rotations decisively shaped her future. Derek Denny-Brown's bedside flair, his demand for precision and excellence, impressed her, as had Locke with the pleasure of engaging cleverly in neurological localization and formulation. But it was her encounter with the similarly gifted but far more humane and personable neurologist/neuroscientist, Phil Dodge that cemented an irrevocable bond with neurology. As happened with so many others before and after, she was enthralled by the particular quality of Dodge's enthusiasm

and subtle capacity to summon excellence from those he encountered, and the desire he inspired to contribute to the advancement of neuroscience and the welfare of children. She recognized in Dodge the very model upon which she wished to base her future career.

Between 1964 and 1966 Guggenheim trained in pediatrics at Case Western Reserve School of Medicine. If she had any doubts about child neurology, these were put to rest by her encounters with Emma Plank and Bob Eiben at the Cleveland Metropolitan Hospital. "Nuchi" Plank was a student of Maria Montessori, who helped Dr. Guggenheim to appreciate and to understand the fears that were experienced by children and parents during hospitalizations. She also explained the grieving process experienced by children and adults and suggested ways in which a caring physician might help them. Guggenheim was to maintain a lifelong interest in doing whatever it took to similarly promote the welfare of children. Dr. Eiben had more than a decade of experience as an infectious disease specialist at the Cleveland City Hospital for Contagious Diseases before he had travelled to Seattle to become one of the earliest formally trained child neurologists. Guggenheim appreciated his fund of knowledge, diagnostic abilities, and skillful management of the physical needs of children. But she was also impressed with the skillful and humane ways Dr. Eiben supported children and families from the early severe anxiety at diagnosis of poliomyelitis through the successive stages of supportive care, therapy, and varying degrees of recuperation, and the caring manner with which he tended to permanent residual motor disabilities.

Dr. Eiben's mentorship prompted Dr. Guggenheim to undertake a two-year fellowship in neurovirology at the NIH-NCI. Her work there concerned the regulation of interferon production and the mechanisms of interferon activity. This resulted in three

CNS ANNUAL MEETING Award Profiles

MARY ANNE GUGGENHEIM, M.D., continued from page 15

important and influential first-authored papers, the first of which appeared in *Science*. In 1968 Dr. Guggenheim returned to work with Phil Dodge at his new training program at St. Louis Children's Hospital. During her two years there she particularly enjoyed a stimulating and mutually supportive relationship with fellow-trainee Darryl DeVivo. Her training experiences resulted in co-authorship of four original publications; the most highly cited concerned toxic extrapyramidal injury (cited 38 times) and vaccine-related polio (cited 29 times). A third training year, emphasizing neuropathology, was completed at the University of Colorado, whereupon she accepted an assistant professorship at Colorado, supported in part by an NIH/NINDS grant supporting research designed to examine the clinical usefulness of interferon as a treatment for various childhood neurologic illnesses.

Dr. Guggenheim rapidly advanced through the academic ranks at Colorado. Within three years of her initial appointment she was named Vice-Chair of the Pediatric Department. This appointment and her designation as Program Director of the pediatrics training program were based on her particular talents as organizer, advocate, role model, and her enthusiasm and excellence as bedside educator. With her considerable store of practical knowledge and her skillful approach to sorting out the history and examination of children, she was renowned as an excellent diagnostician and healer of a particular disease manifestation. She was widely respected as a role model physician, advocating and exemplifying the more general role of physician as supporter, educator, and comforter of patients and their families. She emphasized as well the importance of understanding the neuroscientific basis for clinical observations. Her work at Colorado over twelve years resulted in a total of twenty original reports, all achieving strikingly high numbers of citations (mean 45, range 15-155). Many concerned metabolic illnesses and particularly vitamin-E deficiency, including her first-authored sentinel paper on treatment with alpha-tocopherol, (her most cited paper). She also coauthored four important early contributions to the understanding of the timing and antecedents of neonatal intracranial hemorrhage and an early CT paper on the spectrum of schizencephaly.

Dr. Guggenheim joined the CNS during the organization's infancy, discovering there another quite important influence on her career: Isabelle Rapin.

Dr. Rapin's ideas, presented at CNS meetings, helped Dr. Guggenheim to develop her understanding of behavioral neurology and learning disorders. In 1979 Dr. Guggenheim undertook the arduous task of organizing and sponsoring a very memorable early meeting of the CNS, at Keystone, Colorado. While most attendees were permitted to enjoy the awesome beauty and peacefulness of the surroundings, Dr. Guggenheim was, with her usual calm competence, dealing with transportation snags, sudden illnesses of major speakers, and other troublesome circumstances. In 1979 she was elected to a four-year term on the Executive Committee of the CNS, though her tenure in that post was abbreviated when she became the only person ever elected President of the CNS on the basis of a floor nomination placed during the annual business meeting (by David Stumpf).

Dr. Guggenheim's academic success was achieved while fulfilling her role as wife of a husband with his own academic medical career and the raising of two children. In addition to her other obligations she undertook leadership positions tackling a financial crisis at the medical school and rectifying the appointment and promotions rules. Finding herself stretched ever thinner, she recruited as her own replacement as head for the Section of Child Neurology, David Stumpf, whom she regarded as the most promising and energetic recent child neurology trainee to be found. In 1975, Dr. Guggenheim initiated child neurology care in Montana, Wyoming, and Idaho by staffing three outreach clinics. In addition to the excellent effect this had on the quality of neurologic care, it afforded Dr. Guggenheim the opportunity to pursue one of her greatest passions, fly fishing. Over time she found it increasingly frustrating to return to Denver from "God's country." She resigned her active positions at Colorado in 1983 and moved to Helena to join John Opitz at the Shodair Hospital. She continued to maintain a circuit of outreach clinics and an equally challenging circuit of working rainbow, brown, and cutthroat "fishing holes."

Never one to avoid responsibility (to say the least), Dr. Guggenheim continued to apply her considerable leadership skills to the needs and interests of children: Board of Directors of Blue-Cross/Blue Shield of Montana; Consultant for the important innovation of the Vaccine Injury Compensation Program of the DHHS; Professional Advisor to the Epilepsy Foundation (Board of Directors 1993-98); Advisory Committee of

Children's Special Services of Montana (Chair 1996-2004); Advisory Committee, Montana Child and Family Support Services; Chair of the Montana Committee for review of the Newborn Screening Program; and member of the Montana Board of Medical Examiners. She directed a Montana Conference on Autism in 1994 and served one term as a member of the Montana State Legislature. She is on

the Board of the Montana Conservation Voters. She has published several more papers and four excellent book chapters. All this after "retiring" from practice in 1995 in order to devote her attention to her custom hand-made furniture business, founded in 1995, together with her partner, Jan Donaldson. It should not be doubted that she has also devoted herself richly to the lives of her two children and three grandchildren.

ASSOCIATION OF CHILD NEUROLOGY NURSES 2009 Award

Claire Chee Award for Excellence



CHRISTINE L. O'DELL,
MSN, RN

CHRISTINE L. O'DELL, MSN, RN

Christine O'Dell is a clinical nurse specialist who for the last 35 years has demonstrated a passion for nursing and the nursing process. She received her RN diploma from St. Elizabeth Hospital School of Nursing, her bachelor of science in nursing from the State University of New York at Utica/Rome College of Technology, and her master's of science in nursing from Yale University.

Chris has had a variety of experience working with surgical, transplant, stroke, geriatric and pediatric epilepsy patients. She has had an array of roles including charge nurse, head nurse, consultant, nursing instructor and clinical nurse specialist. Chris has been with the Epilepsy Management Center at the Montefiore Medical Center for the last 18 years as a Clinical Nurse Specialist. She is dedicated to educating patients and their families about epilepsy and facilitating their ability to cope with an often challenging medical condition. She is also enthusiastic about mentoring nurses new to the field of neuroscience nursing.

Chris is respected for her commitment to advancing the quality of life for children with epilepsy and has been active in a member of several other professional organizations. She serves on the Professional Advisory Board of the National Epilepsy Foundation and the Epilepsy Institute of New York City. She has been active with American Association of Neuroscience Nurses, serving in the past as director and president of the New York chapter. Chris was the first nurse to chair the Practice Committee of the American Epilepsy Society and in collaboration with the Epilepsy Foundation and the National Association of School Nurses, contributed to developing a curriculum for educating school personnel on the management of seizures at school.

Chris has established herself as an expert in the field of epilepsy and research. Throughout her career she has participated in over 33 clinical trials and grants as principal investigator, co-investigator or sub-investigator. She is currently the coordinator and manager of a multi-center NIH study of prolonged febrile seizures in children.



CNS ANNUAL MEETING

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ELECTION RESULTS

In balloting conducted over the past summer, two new officers were elected to serve on the CNS Executive Committee: **Sakkubai Naidu, M.D.** (Councillor from the Northeast), succeeding **Jonathan Mink, M.D., PhD**; and **Warren Lo, M.D.** (Councillor from the Midwest), succeeding **Steven Leber, M.D.**; each will serve two-year terms beginning at the CNS Annual Meeting in October.

Wednesday ACNN Meeting

Nurses registering to attend the Association of Child Neurology Nurses program may pick up their material from 5:00 – 7:00 pm, Tuesday and 6:30 am – 4:00 pm, Wednesday outside of the Conference Theater on the first floor of the Kentucky International Convention Center, located across the street from the Marriott.

Philip R. Dodge Young Investigator Award Fund Drive

A display focusing on the life and legacy of Dr. Philip R. Dodge, one of the founding giants of child neurology, will be featured in the lobby outside the main meeting rooms. Attendees are urged to honor Dr. Dodge, who died August 30, and contribute to his legacy and to the future of child neurology and the Child Neurology Society in support of the Young Investigator Award by stopping by the display booth. Contributors' names and acknowledgment of their training programs (those they trained in and/or train at) will be updated regularly throughout the meeting.

PROGRAM ADDENDUM: "H1 N1 Influenza Update for Child Neurologists"

A 10-minute update will be presented prior to the Thursday morning Presidential Symposium by CNS member, **Edwin Trevathan, MD, MPH**, Director, National Center on Birth Defects & Developmental Disabilities Centers for Disease Control and Prevention (CDC).

Thursday Lunch – On Your Own!

Box lunches will be served in the Exhibit & Poster area (Marriott Ballroom, 2nd floor) on Friday, but NOT on Thursday. The loss of sponsorship income due to new pharma guidelines and the economic recession necessitated dropping one lunch, foregoing sponsored tote bags, and eliminating the CyberCafe. Here's hoping 2010 is a better year for exhibitors' bottom line and financial support of the CNS Annual Meeting.

CME Credit

It's simple, really: Attend the sessions, fill out the required on-line survey form by November 17, and you'll have a certificate sent to you by December 10; miss the deadline, and you won't. On-line CME survey will be available beginning Thursday, October 15.

JUNIOR MEMBER SEMINAR: "What I wish I'd known when I was a resident about what it is like to be a pediatric neurologist"

October 17 at 4:30 pm
Conference Theater

KY Int'l Convention Center

This marks the fifth consecutive year Meredith Golomb, MD has led CNS Junior Members through a guided tour of different key aspects of their future in the field. "Highly informative," "enormously helpful," and "most valuable part of the meeting" are among the comments registered by those attending past sessions. Cookies and beverages will be served. Financial support provided by Questcor Pharmaceuticals, Inc. as part of the Future Leaders Program.

NOTE TO TRAINEES: Space is limited to CNS Junior Members. Plan ahead—apply for Junior Membership before next year's meeting in Providence!

Thanks!

Special thanks for financial support of this year's CNS Annual Meeting go out to **Eisai, Inc.** (Thursday wine & cheese reception), **Lundbeck, Inc.** (lanyards and co-sponsorship of Thursday IS Satellite Symposium), **PTC Therapeutics** (support for Wednesday evening Movement Disorder and other Special Interest Group meetings), and **Questcor Pharmaceuticals, Inc.** (Future Leaders Program, Philip R. Dodge Young Investigator Award, and co-sponsorship of Thursday IS Satellite Symposium).



SPECIAL INTEREST GROUP MEETINGS

START	END	EVENT	ROOM
WEDNESDAY, OCTOBER 14			
5:00 PM	6:00 PM	Stroke	Skybox
8:00 PM	10:00 PM	Movement Disorders	Conference Theatre, KY Int Convention Ctr
8:00 PM	10:00 PM	Headache	Bluegrass I
8:00 PM	10:00 PM	Autonomic Disorders	Bluegrass II
8:00 PM	10:00 PM	Educational	Rose
8:00 PM	10:00 PM	Neuromuscular	Filly Room

THURSDAY, OCTOBER 15

5:45 PM	6:45 PM	Neonatal	Throughbred
6:00 PM	7:00 PM	Neurogenetics	Paddock

FRIDAY, OCTOBER 14

4:30 PM	5:30 PM	Neurobehavioral	Bluegrass I/II
4:30 PM	6:00 PM	Junior Member Seminar	Conference Theatre, KY Int Convention Ctr
4:30 PM	5:30 PM	Pediatric Demyelinating	Grand Stand

COMMITTEE MEETINGS

START	END	EVENT	ROOM
TUESDAY, OCTOBER 13			
8:00 AM	5:00 PM	Executive Committee	Rose
5:00 PM	7:00 PM	ACNN Board Meeting	Paddock

WEDNESDAY, OCTOBER 14

2:00 PM	5:00 PM	PCN	ABCD
7:00 PM	10:00 PM	AAP Executive Committee	Paddock

THURSDAY, OCTOBER 15

7:00 AM	8:00 AM	Editorial Board Pediatric Neurology	Bluegrass I/II
12:30 PM	1:30 PM	Executive Committee	Rose
12:30 PM	1:30 PM	Membership Committee	Paddock
12:30 PM	1:30 PM	Awards Committee	Filly
12:30 PM	1:30 PM	Legislative Affairs Committee	Skybox
12:30 PM	1:30 PM	Practice Committee	Thoroughbred
12:30 PM	1:30 PM	International Affairs Committee	Blu Italian Grill
11:30 AM	1:00 PM	CNF Donor Luncheon	Bluegrass I/II
12:00 noon	1:30 PM	Editorial Board Child Neurology	Clubhouse
1:00 PM	2:30 PM	Corporate Advisory Board CNF	Grandstand
2:30 PM	6:00 PM	CNF Board Meeting	Grandstand

FRIDAY, OCTOBER 16

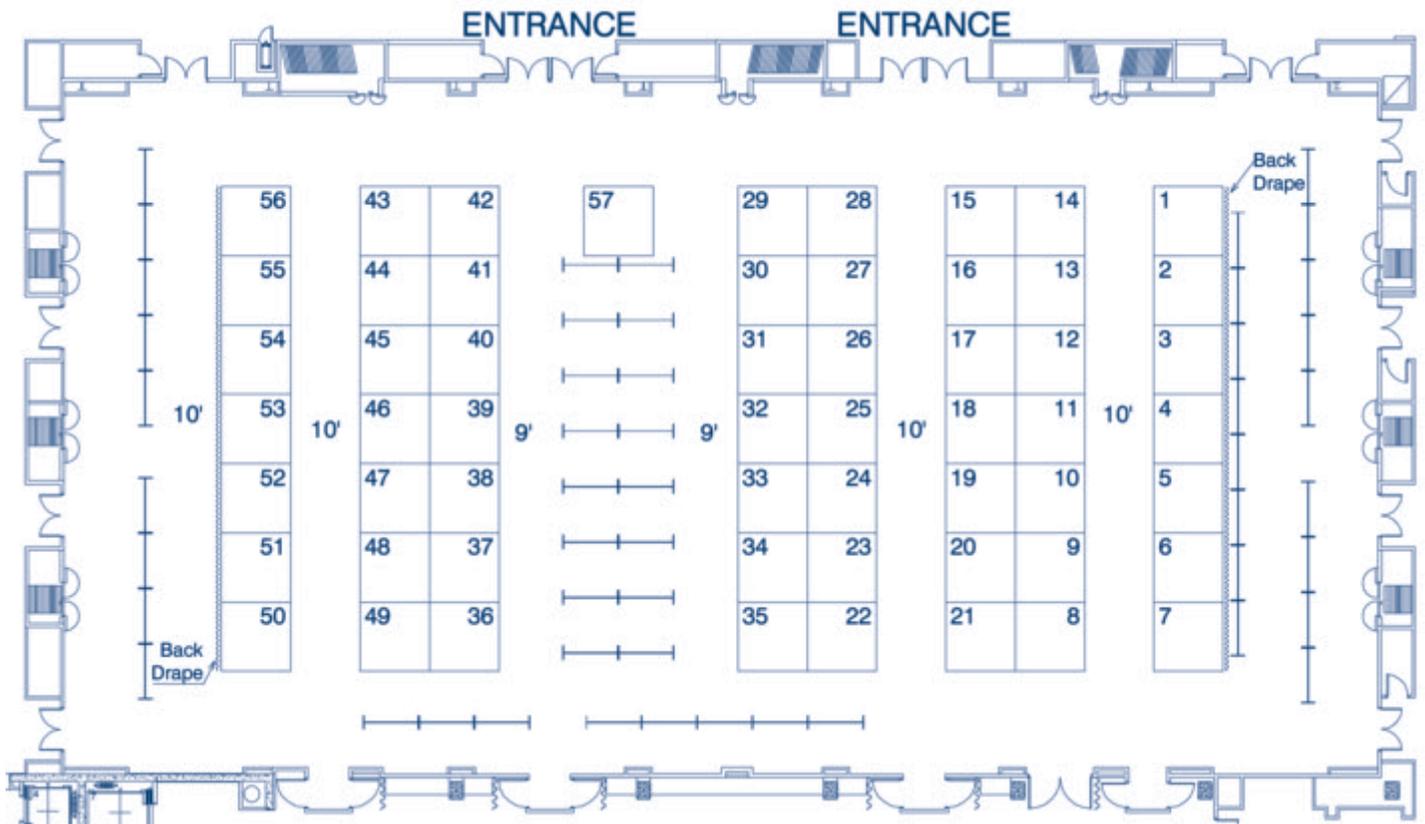
8:00 AM	5:00 PM	AAN Therapeutics & Technology	Skybox
11:00 AM	12:30 PM	Awards	Kentucky Ballroom
12:30 PM	2:00 PM	Executive Committee	Rose
4:30 PM	5:30 PM	Electronic Communications	Rose
4:30 PM	5:30 PM	Finance Committee	Paddock
4:30 PM	6:00 PM	NIH	Clubhouse
5:30 PM	6:30 PM	Scientific Selection	Filly/Throughbred

SATURDAY, OCTOBER 17

8:00 AM	5:00 PM	AAN Quality Standards Subcommittee	Skybox
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EXHIBITOR FLOOR PLAN & EXHIBITOR LIST



Marriott Ballroom, 2nd Floor

Located along with scientific posters (See floorplan)

Hours

Thursday 11:30 am – 6:30 pm
Friday 10:30 am – 4:00 pm

The Child Neurology Society welcomes and thanks the following exhibitors for participating in the 38th Annual CNS Meeting.

Special acknowledgment and thanks are due to those providing much needed financial support for the Annual Meeting. These companies—Eisai, Inc; Lundbeck, Inc., and Questcor Pharmaceuticals, Inc—are highlighted below.

Allergan Medical Affairs Booth #39

Allergan Medical Affairs is a team of dedicated professionals committed to supporting scientific education, research and clinical practice related to Allergan products. Medical Affairs provides the highest quality information in the most respectful, ethical and unbiased fashion.

Association of Child Neurology Nurses (ACNN) Booth #57

The Association of Child Neurology Nurses (ACNN) celebrates its 25th anniversary this year. Membership has increased to over 120 members. Since 1984 the ACNN has met annually in conjunction with the annual CNS meeting offering separate educational programs and business meetings. The ACNN mission is promoted through a number of activities that support nursing

education, research, and clinical practice. The ACNN wishes to express their gratitude to the CNS for their ongoing support over the past 25 years. All nurses and health care providers with an active interest in child neurology are invited to attend this year’s educational program or stop by the ACNN booth for additional information on membership benefits.

Athena Diagnostics Booth #15 & 16

Founded in 1989, Athena Diagnostics offered the first diagnostic service for muscular dystrophy. Since then, Athena has focused on neurological, renal and endocrine disorders by offering an extensive menu of tests and a wide range of diagnostic technologies. Athena focuses exclusively on assisting physicians in their efforts to provide the best possible diagnoses of these disorders.



Batten Disease Support and Research Association Booth #6

Batten Disease Support and Research Association (BDSRA) provides information, education, medical referrals/assistance and support for families with one or more children diagnosed with Batten disease/NCL. BDSRA also provides information and assistance to the medical, education and lay communities.

Baylor College of Medicine's, Medical Genetics Laboratories Booth #54

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, biochemical genetics, and Mitochondrial DNA analysis. Please visit our booth for more information.

BioBehavioral Diagnostics Company Booth #52

BioBehavioral Diagnostics markets the Quotient™ ADHD System for the objective assessment of impulsivity, hyperactivity and inattention. It measures motion and analyzes shift in attention state to guide personalized strategies for ADHD management.

Center for Neurological and Neurodevelopmental Health Booth #3

The Center for Neurological and Neurodevelopmental Health (CNNH) and the Clinical Research Center of New Jersey (CRCNJ) offer a unique multidisciplinary model of care for infants to young adults with neurological, neurodevelopmental, neurobehavioral and neuropsychological disorders. CNNH brings together a team of national and local experts to provide accurate and definitive diagnoses and comprehensive treatments using the most advanced tools and technology.

Child Neurology Foundation Booth #28

The mission of the Child Neurology Foundation is to advocate for children with neurologic disorders, to fund research,

to promote child neurology as a career, to foster continuing education and to inform the general public as to the status and value of child neurology services. This mission is carried out thanks to the generosity of our doctors, donors and volunteers.

Children's Healthcare of Atlanta Booth #53

Named one of the top 10 pediatric hospitals by *Parents* magazine, Children's Healthcare of Atlanta enhances the lives of children through excellence in patient care, research and education. The Children's Neurosciences program provides comprehensive care for children with neurological disorders, such as epilepsy and brain tumors. Our team includes neurologists, neurosurgeons, neuro-oncologists, neurointensivists and neuropsychologists, all working together to give children the best possible care. In 2008, the Children's Neurosciences program had the highest inpatient neurology volumes in the nation, according to PHIS data. Children's is actively recruiting several positions in neurosciences both leadership and clinical. Please stop by our booth for more information.

Children's Hospital at Legacy Emanuel, The Booth #44

The Children's Hospital at Legacy Emanuel is a 155-bed facility that includes an 18-bed PICU and a 45-bed Level III Neonatal ICU, as well as two large Acute Units. The hospital has a full team of board-certified pediatric sub-specialty professionals in both medical and surgical areas. Our active teaching programs include rotating pediatric and family practice residents and medical students taught by pediatric clinic attendings, inpatient hospitalists and subspecialist attendings. We practice family-centered care and are a full member of NACHRI. The hospital is part of Legacy Health that includes 6 hospitals within the Portland metro area. Our new state-of-the-art free standing children's hospital will open in 2011.

Children's Medical Center of Dayton Booth #38

The Children's Medical Center of Dayton in Dayton, Ohio, is a free-standing, children's hospital providing care for infants, children and teens in a 20-county region in southwest Ohio. Dayton Children's provides advanced pediatric care during more than 200,000 patient visits every year. Pediatric expertise is offered in more than 35 specialty areas. Centers of excellence include the accredited Cancer Care program, accredited Pediatric Sleep Center, the verified Level II Regional Pediatric Trauma and Emergency Center, the Regional Level III Newborn Intensive Care Unit, Wallace Critical Care Complex and Advanced Surgery Center. Numerous community locations ensure Dayton Children's pediatric expertise is "close to home" for the region's families.

Combimatrix Molecular Diagnostics Booth #5

Combimatrix Molecular Diagnostics (CMDX) is a CLIA-certified, CAP-accredited commercial clinical laboratory specializing in the use of array comparative genomic hybridization (aCGH) testing with both BAC and Oligo technologies to identify genomic changes related to over 260 childhood syndromes including autism at 102 loci.

Cook Children's Health Care System Booth #10

Cook Children's Health Care System is a not-for-profit, nationally recognized pediatric health care organization comprised of six entities—a Medical Center, Physician Network, Home Health Company, Northeast Hospital, Health Plan and Health Foundation. Based in Fort Worth, Texas, the integrated system has more than 60 primary and specialty care office throughout north Texas. Its service region includes Denton, Hood, Johnson, Parker, Tarrant and Wise counties, with an additional referral area encompassing nearly half the state. Cook Children's promise is to improve the health of every child in its region through the prevention and treatment of illness, disease and injury.



Cyberonics , Inc **Booth #41 & 42**

Cyberonics, Inc. a medical technology company with core expertise in neuromodulation, developed and markets the Vagus Nerve Stimulation (VNS) Therapy™ System, which is FDA-approved for the treatment of refractory epilepsy and treatment-resistant depression. To date, more than 50,000 patients worldwide have received VNS Therapy for epilepsy and depression.

DigiTrace SleepMed Incorporated **Booth #7**

DigiTrace EEG Services is a division of SleepMed, Inc. We are the largest provider of sleep and EEG home monitoring services in the U.S. DigiTrace EEG products and services are used by dozens of U.S. comprehensive epilepsy centers as well as over 30 SleepMed service locations around the country. We conduct 25,000 EEG and video EEG test days annually.

DuchenneConnect/Parent **Project Muscular Dystrophy** **Booth #23**

DuchenneConnect is a registry resource for those living with Duchenne/Becker, medical care providers and research/pharmaceutical scientists, and brings to the community the latest information about genetics, current treatments and clinical trials. Founded in 1994, Parent Project Muscular Dystrophy's mission is to improve the treatment, quality of life and long-term outlook for all individuals affected by Duchenne muscular dystrophy through research, advocacy, education and compassion.

CNS ANNUAL MEETING **FINANCIAL SUPPORTER**

Eisai Inc. **Booth #29, 30 & 31**

Eisai Inc. is a U.S. pharmaceutical subsidiary of Eisai Co., Ltd., a research-based *human health care (hhc)* company that discovers, develops and markets products throughout the world.

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

EGI offers infant/child friendly 32, 64, 128 and 256 channel EEG Systems and Geodesic Sensor Nets made for children, with quick application, no scalp abrasion, and no paste. Every component is designed to maximize patient comfort and satisfaction, while enhancing clinical performance and productivity.
www.egi.com

Emory Genetics Laboratory **Booth #55**

Emory Genetics Laboratory (EGL), within the Department of Human Genetics at Emory University School of Medicine, Atlanta, GA, is a comprehensive clinical genetics testing laboratory (cytogenetics, molecular and biochemical services) specializing in molecular cytogenetics, rare disease testing and newborn screen confirmatory testing.

Epilepsy Phenome/Genome **Project, The** **Booth #4**

The Epilepsy Phenome/Genome Project (www.epgp.org) is a collaboration between the NINDS and major epilepsy centers to identify genes that influence the development of epilepsy and pharmacoresponsiveness. The study is enrolling 1) siblings who both have nonsymptomatic epilepsy, and 2) participants with infantile spasms, Lennox-Gastaut Syndrome, polymicrogyria, or periventricular heterotopias.

GeneDx **Booth #17**

GeneDx is a diagnostic company that offers genetic testing for more than 200 rare inherited disorders. GeneDx also offers genome-wide oligonucleotide microarray-based testing and sequencing-based tests for detecting developmental disorders, autism spectrum disorders, X-linked mental retardation, and mitochondrial disorders etc. Our services include mutation analysis, carrier testing and prenatal diagnosis. Please visit our booth or www.genedx.com for more information.

Genzyme Corporation **Booth #22**

Genzyme Corporation is one of the world's leading biotechnology companies, focused on rare inherited disorders, kidney disease, orthopedics, cancer, transplant, and diagnostic testing. Genzyme is developing novel approaches to cancer, heart disease, and immune diseases.

HRA Research **Booth #51**

Our team of experienced interviewers will be distributing carefully developed questionnaires. We'll be gathering the answers to vital marketing and clinical questions—answers that can affect the introduction of new products or the continuation of existing healthcare products and services.

IDEA League **Booth #19**

The IDEA League is an international nonprofit promoting awareness of and research for Dravet syndrome and related forms of epilepsy and providing resources and support for affected individuals and families. We strive to be the most up-to-date and accurate information source for Dravet syndrome for both families and professionals.

IntegraGen, Inc **Booth #32**

IntegraGen is dedicated to gene discovery and the commercialization of molecular diagnostic products and service. Our goal is to provide clinicians with new tools to personalize diagnosis, treatment, and therapy. IntegraGen offers genetic research services, Diabetes testing, and is conducting genetic research in Autism, Diabetes, Obesity, and Bi-Polar Disorder. IntegraGen has recently entered into an agreement with a CLIA certified lab enabling them to utilize IntegraGen research to offer a multi gene assay to assess risk of autism in siblings of autistics.



Intractable Childhood Epilepsy Alliance (ICE) Booth #45

ICE is a 501(c)3 organization that delivers information, education, and exchange of ideas through international alliances to improve lives of children affected by genetic intractable epilepsy and to expedite advancement towards a cure through strategic, measurable processes. ICE initiatives include an SCN1A registry and Centers of Excellence.

Lippincott Williams & Wilkin's Booth #56

Medical books for less and Free Shipping.

CNS ANNUAL MEETING FINANCIAL SUPPORTER Lundbeck Inc. Booth #13, 14 & 2

Lundbeck Inc., located in Deerfield, Illinois, was established in March 2009 following the acquisition of Ovation Pharmaceuticals, Inc. by H. Lundbeck A/S. The company is committed to improving the lives of patients suffering from complex CNS disorders and rare diseases for which few, if any, effective treatments are available.

Meda Pharmaceuticals Booth #11

Meda Pharmaceuticals is a global specialty pharmaceutical company that develops, markets, and promotes branded prescription products in the CNS and respiratory therapeutic areas.

MEDomics, LLC Booth #48

MEDomics introduces MitoDx: Complete genome sequencing of the mitochondria with deep heteroplasmy detection. MEDomics is a CLIA certified diagnostic laboratory founded with the mission of providing Mutation Expert-based Diagnosis to support the physician in delivering

personalized medicine based on the patient genome. Interpretation of the unparalleled amount of genotype information available from next generation massively parallel sequencing technologies requires highly trained mutation experts for the disease in question. Mutation experts utilize bioinformatics, clinical genetics, and mutation analysis to provide the ultimate in interpretation.

Medtronic, Inc. Booth #36

Medtronic is the global leader in medical technology - alleviating pain, restoring health and extending life for millions of people around the world. The company's product and therapy portfolio includes intrathecal therapy for the management of severe spasticity associated with multiple sclerosis, cerebral palsy, stroke, brain injury, or spinal cord injury.

National Ataxia Foundation Booth #46

The National Ataxia Foundation (NAF) was founded in 1957 and is dedicated to improving the lives of persons affected by hereditary and sporadic ataxia by providing education, support services and neurologist referrals to adults, teens and children with ataxia, their families, caregivers, and the medical community. The Foundation also provides research grant funding in all the types of ataxias. Complimentary copies of educational materials, fact sheets on Friedreich's and other types of ataxia, and copies of *Generations*, NAF's quarterly newsletter are available at the booth. Information on research grant programs for ataxia investigators and details on being listed on NAF's neurologist referral resource can also be obtained at the booth. We look forward to meeting you at the *38th Child Neurology Society Annual Meeting!* See the website at www.ataxia.org for more information and details on research grants.

National Institute of Neurological Disorders and Stroke (NINDS) Booth #43

The National Institute of Neurological Disorders and Stroke provides members of the Child Neurology Society with

information about available research support and funding mechanisms, as well as free publications for patients and their families on various neurological disorders. Members of the NINDS staff will be available to assist you at the meeting. Printed material is available.

National Organization for Disorders of the Corpus Callosum Booth #47

The Mission of the National Organization for Disorders of the Corpus Callosum is to enhance the quality of life and promote opportunities for individuals with disorders of the corpus callosum and raise the profile, understanding, and acceptance of these disorders through research, education, advocacy and networking.

Nationwide Children's Hospital Booth #34

Neurosciences at Nationwide Children's Hospital is comprised of clinical and research expertise in Neurology, Neurosurgery, Neuromuscular Disorders, Physical Medicine and Sleep Medicine. Affiliated with The Ohio State University College of Medicine, Nationwide Children's is ranked by *U.S. News & World Report* as one of "America's Best Children's Hospitals" in neurology and neurosurgery.

Neurologists' Program, The (TNP) Booth #37

The Neurologists' Program (TNP) is a comprehensive medical malpractice insurance program designed specifically to meet the needs of neurologists. Key features of TNP are guidance and support from our Risk Management Consultation Service (RMCS), access to a network of experienced medical malpractice defense attorneys and included supplemental coverage like vicarious liability and supplemental defense costs. Eligible discounts while under the program include first, second and third year practice, part-time or moonlighting coverage, loss-free claims history, group coverage, risk management education and much more. For more information, including coverage detail and current state availability, please visit www.tnpinsurance.com or call 800/245-3333 x389.



PKS Kids (Pallister Killian Syndrome) Booth #33

PKS Kids™ is a 501(c)3 non-profit organization aimed at helping all people involved with Pallister-Killian Syndrome. Caregivers, family members, friends, teachers and medical professionals can all find help and support here.

We are committed to promoting research, providing education, and raising awareness within the medical community in order to ensure early diagnoses of children with Pallister-Killian Syndrome (PKS). We also provide resources and support to families, therapists and caregivers of children with PKS.

CNS ANNUAL MEETING FINANCIAL SUPPORTER

Questcor Pharmaceuticals Booth #8, 21, 25, 26, 27

Questcor is a specialty biopharmaceutical company focused on providing prescription drugs for the treatment of rare central nervous system and inflammatory disorders. Our efforts are currently focused on the fields of neurology and nephrology, areas of medicine which have significant unmet medical needs. Questcor's lead product is H.P Acthar® Gel (repository corticotropin hormone), a naturally-derived formulation of adrenocorticotrophic hormones used in a variety of disorders having an inflammatory component, including the treatment of exacerbations associated with MS.

Saunders, Mosby, Elsevier Booth #50

Saunders, Mosby and Churchill Livingstone, a combined premier worldwide medical and health science publishing company, under the umbrella of ELSEVIER, presents our latest titles in

healthcare. Come visit our booth and browse through our complete selection of publications.

TSA is the only national non-profit organization serving individuals affected by Tourette Syndrome. Free educational resources on TS, including articles, CDs and DVDs for professionals, families and patients will be available.

Signature Genomics Booth #20

Bettering patient lives by turning complex genomic data into clinically relevant information for child neurologists. With the experience of over 36,000 clinical cases, Signature Genomics remains the leader in microarray-based cytogenetic diagnostics providing child neurologists the most comprehensive and understandable results available. Learn more at www.signaturegenomics.com

Tourette Syndrome Association Booth #12

TSA is the only national non-profit organization serving individuals affected by Tourette Syndrome. Free educational resources on TS, including articles, CDs and DVDs for professionals, families and patients will be available.

Transgenomic, Inc Booth #24

Transgenomic Molecular Laboratory is a clinical reference laboratory specializing in mitochondrial and molecular testing. Our expertise in pediatric mitochondrial genome and nuclear gene testing boasts the most sensitive levels of detection with unmatched turn-around-time. Our portfolio also includes inherited, seizure, mental and developmental disorders including our new 244K oligo microarray.

Tuberous Sclerosis Alliance Booth #9

Founded in 1974, the TS Alliance is the only national voluntary health agency dedicated to finding a cure for TSC while improving the lives of those affected. TSC is a genetic disorder characterized by seizures and tumor growth in vital organs such as the brain, heart, kidneys, lungs and skin.

UCB, Inc. Booth #40

UCB is a global leader in the biopharmaceutical industry dedicated to the research, development and commercialization of innovative medicines with a focus on the fields of central nervous system and immunology disorders. UCB is listed on Euronext (symbol: UCB). Worldwide headquarters: Brussels, Belgium; U.S. headquarters: Atlanta, Georgia. Please visit our booth to learn more about our product. For more information about UCB, visit www.ucb.com

Valeant Pharmaceuticals International Booth #49

Valeant Pharmaceuticals International is a multinational specialty pharmaceutical company that develops and markets prescription and nonprescription pharmaceutical products that make a meaningful difference in patients' lives. The company is dedicated to the epilepsy community and is proud to support the efforts of patients, caregivers, healthcare professionals, and patient advocates in the battle against epilepsy.

Wiley-Blackwell Booth #1

Wiley-Blackwell, the scientific, technical, medical and scholarly publishing business of John Wiley & Sons, is your CNS official publisher of Annals of Neurology. Visit booth #1 to read and browse peer-reviewed research and evidence-based medicine across 1250 online journals, books, reference works and databases. Get your 20% discount on books and free giveaways, and visit www.wiley.com.

Yasoo Health, Inc. Booth #18

Yasoo Health is a science-based nutraceutical company with a pipeline of condition-specific products that are supported by clinical trials. Yasoo develops innovative, research based products consisting of essential nutrients and natural compounds.

CNS SPECIAL INTEREST GROUP UPDATE

Education SIG Meeting – October 14, 8:00 pm

This year's Education SIG meeting will be held Wednesday, October 14, 8:00 pm in the Rose Room of the Marriott Hotel. All those that are interested in medical education are invited to attend. The topics for the meeting include developing a symposium proposal for our 2010 annual meeting and an interactive discussion on medical education as an academic endeavor for promotion and tenure. Contact Paul Larsen (pdlarsen@unmc.edu) for any questions about the meeting.

AAN OFFERS

Information & Web Resources for GBS Monitoring

Neurologists and health care professionals nationwide are encouraged to monitor their patients for possible vaccine-associated Guillain-Barré syndrome (GBS). To aid in this effort, helpful training materials, fact sheets, webinars, and other information are now available on the American Academy of Neurology's website at www.aan.com.

As part of an ongoing collaboration with the CDC, the AAN is encouraging its members to conduct active surveillance by reporting any adverse events (i.e., GBS) post-vaccination. Neurologists who encounter patients with adverse events post-vaccination should use the Centers for Disease Control and Prevention (CDC) and FDA Vaccine Adverse Event Reporting System (VAERS) to report their observations. The case report forms are available at www.aan.com/view/gbstoolkit, and at the VAERS websites at vaers.hhs.gov.

The 2009 H1N1 vaccine is expected to have a safety profile similar to what was seen in 1976, when the medical community observed a small risk of GBS following influenza (swine flu) vaccination. Seasonal flu vaccines, which have a very good safety track record, have not been associated with GBS. Although the CDC does not expect GBS cases to occur after vaccination with the 2009 H1N1 vaccine, out of an abundance of caution it has called for close monitoring for any cases.

Active surveillance will focus attention on neurology practices in 10 Emerging Infections Program (EIP) states: California, Colorado, Connecticut, Georgia, Maryland, Minnesota, New Mexico, New York, Oregon, and Tennessee. Neurologists in these states will be asked to receive regular contact from surveillance officers in the EIP states.

ONLINE RESOURCES

Find resources for neurologists on AAN.com at www.aan.com/view/gbstoolkit, including:

- VAERS reporting form
- Webinars (see left)
- Educational materials and fact sheets
- H1N1 vaccine billing information
- Press releases

Neurologists who encounter patients with adverse events possibly related to the H1N1 vaccine should use the CDC's Vaccine Adverse Event Reporting System (VAERS) to report their observations. Information on VAERS and case report forms are available on AAN.com and at the CDC website at vaers.hhs.gov.

For more information on the H1N1 flu, visit www.cdc.gov/h1n1flu. For more details on GBS, visit www.aan.com/view/gbs.

FREE Webinars on H1N1 and Guillain-Barré Syndrome

Two free informational webinars will discuss the basics of GBS, the latest research on the influenza vaccination and GBS risk, vaccine options, and a Q&A with the webinar hosts.

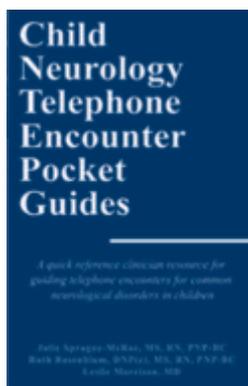
- Webinar 1, Thursday, October 15, at 1:00 pm ET, provides neurologists an in-depth look at H1N1 vaccination and how it may pose a risk for GBS
- Webinar 2, Wednesday, October 21, at 5:00 pm ET, offers important background and information for hospitalists, emergency physicians, and other health care professionals

All neurologists and health care professionals should know what to watch for and how to report adverse events related to the H1N1 vaccination program.

The webinars are free, but members need to register at www.aan.com/H1N1GBSWebinar. Dial in information will be provided closer to the webinar date.

CHILD NEUROLOGY Telephone Encounter Guides are Published!

Julie Sprague-McRae, ACNN Director for Clinical Practice



The Association of Child Neurology Nurses in collaboration with the Child Neurology Society and our former CNS liaison, Dr. Leslie Morrison, has developed a collection of Child Neurology Telephone Encounter Guides. The content has been extensively reviewed by clinicians throughout the United States and Canada (nursing practice by ACNN registered nurses, pediatric nurse practitioners and clinical nurse specialists and medical content by CNS affiliated child neurologists).

- First of a kind!
- Ideal for educational training, protocol development and quality management
- Easily guides the new, less experienced, cross-covering or rotating advanced practice clinicians (nurse practitioners, physician assistants, clinical nurse specialists), registered nurses, as well as medical students and residents efficiently through a child neurology telephone encounter
- Adaptable for office visit or electronic charting
- Topics include:
 - ▲ Epilepsy
 - ▲ Alteration of Consciousness
 - ▲ Paroxysmal Involuntary Movements
 - ▲ Tic Disorder
 - ▲ Headache
 - ▲ Post-Concussion
 - ▲ Developmental Delay < 5 Years
 - ▲ Developmental Delay/Intellectual Disability > 5 Years
- Comprehensive edition includes a collection of educational topic overviews, quick reference pocket guides and data collection tools
- Pocket edition is easily carried and includes quick reference pocket guides for those familiar with the comprehensive edition content
- Go to www.acnn.org for ordering details and use promo code **20WhoL20** for CNS/ACNN 20% discount pricing

INTERNATIONAL CHILD NEUROLOGY ASSOCIATION The XIth World Congress in Cairo, May 2-7, 2010

On behalf of the International Child Neurology Association and the Egyptian Society of Child Neuropsychiatry, it is our pleasure to invite you to register for the 11th International Child Neurology Congress to be held in Cairo during May 2010.

The Congress is dedicated to the exchange of information on the latest advances in research and clinical practice in neuropaediatrics.

The Scientific Program will continue to promote the widely-recognised high standards of innovation and best practice set by previous ICNA congresses, the most recent of which in Montreal, 2006, attracted over 1700 registrants from 70 countries.

Following previous traditions, this 11th Congress will include sixteen Symposia covering themes such as: CNS Infections, Epilepsy, Neonatal Neurology and

Hypoxic-Ischemic Encephalopathy, Neurogenetic Disorders, Head Injury and Neuroprotection, Neurodevelopmental Disabilities, Disorders of Neuronal Migration, Neurometabolic Disorders, Headache, Pediatric Stroke, Sleep Disorders, Demyelinating Diseases and Leukodystrophies, Neuromuscular Disorders and Peripheral Neuropathies, Neurooncology, Advances in Neuroimaging Techniques and the Global Burden of Neurological Diseases. The eight Plenary Sessions will include key topics such as Brain Development and Homeobox Gene Evolution, Advances in Treatment and Understanding of Pathophysiological Mechanisms of Muscular Dystrophies and Sarcoglycanopathies, Advances in Neuroprotection and Neurointensive Care, Novel Treatment Strategies in Mitochondrial Disorders, Neuronal Stem Cells for CNS Repair and Neurodegenerative Disorders, the Genetics of Epilepsy, the

Neuropsychological and Mental Health Impact of War on Children, and Medicine in Ancient Egypt with outstanding international speakers.

The abstract deadline is November 1, 2010.

The socio-cultural program will include a journey into the 4000 year history of Egyptian medicine. The Congress dinner will be held close to the base of the Pyramids.

We urge you to join us in what we expect and plan will be a stunning scientific meeting and a memorable life experience.

Submitted by Robert Ouvrier
President, The International Child Neurology Association (ICNA)
Petre Foundation Professor of Child Neurology
Children's Hospital, westmead
The University of Sydney, Australia

CNS ANNUAL MEETING

Membership Committee

(as of September 25, 2009)

Active	1109
Affiliate	16
Emeritus	130
Honorary	1
Junior	262
TOTAL	1518

New CNS Members

(Approved by CNS Membership Committee between
October 15, 2008 - September 25, 2009)

Rooman F. AhadJunior	Addie Stark HunnicuttActive	John PughJunior
Ahmad B. Al HamdaActive	Maja IlicJunior	Thilinie Rajapaske.....Junior
Otto L AldahondoJunior	Kathleen Nicole JalandoniJunior	Jan RajlichJunior
Edgard AndradeActive	Kaitlin JamesJunior	Jessica RiosJunior
Kapil AryaJunior	Joan Mary JasienJunior	Lubov RomantsevaJunior
Erika AugustineJunior	Melissa S. JonesJunior	Alexander Rotenberg.....Active
Tonya BalmakundActive	Kimberly S. Jones.....Junior	Oranee Sanmaneechai.....Junior
Mihee J. Bay.....Junior	Joanne KacperskiJunior	John Michael SchreiberJunior
Ibrahim BinalsheikhJunior	Paige KalikaJunior	Teri L. SchreinerJunior
Thomas A. Blondis.....Active	Sita Kedia.....Junior	Fatema Jahan Serajee.....Junior
Catherine Foley	Sarah Nicole KelleyJunior	Diane Marie SteinActive
Bodak-Gyovai.....Active	Susan KohActive	Amber Jo StoccoJunior
Cyrus Gerard BoelmanJunior	Eboni Ife LanceJunior	Toshiki Takenouchi.....Junior
Abigail BoetticherActive	Alice Lawrence.....Junior	Katherine Susan TaubJunior
Sabrina Underwood CarterActive	Tracy L LevyJunior	Jeffrey TenneyJunior
Michael CilibertoJunior	Amy Kathleen Licis.....Junior	Jan-Mendelt Tillema.....Junior
Jason CoryellJunior	Donita LightnerJunior	Molly TracyActive
Cicely Patrice Dowdell.....Junior	Kit Yeng — LimJunior	Matthew Michael Troester.....Active
Anna Ehret.....Junior	Jessica Ruth LitwinActive	Sinan TurnaciogluJunior
Jeffrey John EkstrandActive	Jonathan Peter Lopez.....Junior	Keith Van Haren.....Junior
Kevin C. EssActive	Christine Matarese.....Junior	Katherine Cyran Van Poppel ..Junior
Herbert Osita Ezugha.....Junior	James McKiernan.....Active	Montida VeeravigromJunior
Jamie Korin FountainJunior	Jennifer Lynne McKinney.....Junior	Kavitha VelichetiActive
Christine FoxJunior	Margaret MichelsonJunior	Charu VenkatesanActive
Bennett GertzJunior	Qasaymeh M MohammadJunior	Sumit VermaJunior
Felicia Joyce GliksmanJunior	Priya Monrad.....Junior	Rafael Villalobos.....Active
Helly Rachel GoetzAffiliate	Basanagoud D. Mudigoudar ..Junior	Warren Walter Wasiewski.....Active
Carolyn Green.....Active	Jennifer Lynn MulburyJunior	Elizabeth WellsJunior
Hansel GreinerJunior	John Robert MytingerJunior	Carl YoderActive
Stephen Takundwa	Sayed z NaqviActive	Jennifer YuenJunior
Hamamaoko GutuJunior	Kendall Backstrand NashJunior	Nassim Zecavati.....Junior
Jamika Hallman-Cooper.....Junior	Clint Reid Nelson.....Junior	Ari ZeldinJunior
Lorie HamiwkaActive	Thanh NguyenJunior	Brandon A ZielinskiJunior
Erika HedderickJunior	Shani Kay NorbergActive	
Holly HoenesJunior	Wendy OsterlingJunior	
Bobbi J. HopkinsActive	Alexander R. PaciorkowskiJunior	
Ryan Hung.....Junior	Andrea Pardo.....Junior	

CHILD NEUROLOGY SOCIETY Personnel Registry

CNS PERSONNEL REGISTRY COLORADO

University of Colorado Denver is seeking 4 board-certified or board-eligible Pediatric Neurologists with expertise in General Pediatric Neurology, Epilepsy, Neuro ICU, and/or Neurometabolic and/or Neurogenetic disorders, at the rank of Senior Instructor/Assistant Professor/Associate Professor to join a rapidly growing Neurology Program.

The Section of Child Neurology is an interdepartmental program in Pediatrics and Neurology. It has a strong tradition of excellence in basic and clinical research, exceptional clinical services at The Children's Hospital, and a highly respected residency program. The Section has a strong relationship with the Department of Neurology and other programs in neuroscience at the University of Colorado, Denver.

Job Responsibilities: Clinical care of children with general neurological disorders. Additional interests in subspecialty care of children with neurometabolic/neurogenetics disorders and/or neuro-critical care and clinical and translational research and/or clinical trials are also desirable. Competitive start-up packages including protected time for serious academic development and productivity will be provided. Must have demonstrated commitment to clinical program development, education and research.

CONTACT

Amy Brooks-Kayal, MD at brooks-kayal.amy@tchden.org. Applications are also accepted electronically at www.jobsatcu.com. Email: brooks-kayal.amy@tchden.org

CNS PERSONNEL REGISTRY CONNECTICUT

Child Neurology Associates is seeking a full time/part time BE/BC Child Neurologist with strong clinical skills. We are a private practice group in Connecticut with a well-established academic affiliation, associated with the opportunity for attending and teaching in a tertiary care children's hospital.

The practice is located in a beautiful area with easy access to Boston and New York. Excellent benefits and partnership opportunity.

CONTACT

Child Neurology Associates
5 Durham Road, Suite 1-7
Guilford, CT 06437
Email: susanlevymd@gmail.com

Connecticut Children's Medical Center and its affiliated Faculty Practice Plan are seeking a Head of the Division of Neurology of the Department of Pediatrics of the University of Connecticut School of Medicine and Medical Director of Neurology for the Connecticut Children's Medical Center's Faculty Practice Plan.

In this position, you will be responsible for leading and growing the academic division and the neurology practice and for assuring the quality of patient care. You will also support and guide the clinical, educational, research, and community service programs of the division. Interested candidates should have certification in neurology with special qualification in pediatric neurology, along with demonstrated leadership skills with a proven record in clinical, education, and research excellence. CCMC is a 135-bed free-standing children's hospital with an 18-bed PICU and a 32-bed NICU. It is the home of the University of Connecticut School of Medicine residency program in pediatrics and pediatric subspecialties. You will be eligible for appointment at a senior rank at the University of Connecticut School of Medicine and a secondary academic appointment in its department of Neurology. A comprehensive salary and benefits package is offered commensurate with experience. ID#106563C1.

For more opportunities, career tips, and current salary information, visit www.cejkasearch.com.

CONTACT

Danise Cooper
Phone 800/678-7858, x63006
E-mail dcooper@cejkasearch.com
or

Beth Briggs
Phone: 800/678-7858, x64454
E-mail: ebriggs@cejkasearch.com

Connecticut Children's Medical Center is an Equal Opportunity Affirmative Action Employer.

CNS PERSONNEL REGISTRY FLORIDA

Busy child neurology practice in Orlando seeking BE/BC Child Neurologist to join our practice. We are seeking a compassionate, high-energy person who possesses a desire to make a difference in the lives of our patients and community. Our practice offers exceptional benefits. A detailed list of our compensation package is available upon request. Our practice is involved in hospital care as well as a full time clinic practice. We currently staff two nurse practitioners who are involved in hospital coverage, telephone coverage and clinic care of patients.

Dr. Barr is the Director of Child Neurology at The Disney Children's Hospital at Florida Hospital and is also affiliated with Arnold Palmer Children's Hospital, and Winnie Palmer Hospital for Women and Infants. Both hospitals are developing stronger neuroscience programs for Central Florida.

The Orlando area is ranked as one of the fastest growing cities in the country with the largest university in the US being the University of Central Florida. The university will be opening their new medical school campus along with a new medical/research corridor, anchored by Burnham Institute. This exciting change in the community dynamic will also provide many new opportunities for research as well as academia.

CONTACT

Florida Child Neurology, PLLC
Dr. Carl R. Barr
615 E. Princeton Street, Suite 225
Orlando, Florida 32803
Fax: 407/897-8114
Email: drcarbarr@earthlink.net

St. Petersburg/Tampa - We are offering an excellent opportunity for a qualified, BC/BE Pediatric Neurologist. We are a long-term successful hospital based (All Children's Hospital) private practice in St. Petersburg, FL. Our facilities include a state-of-the-art Epilepsy Monitoring Unit and a modern Neurophysiology laboratory.

We offer a very complete and competitive compensation package, including a 401K plan, plus a productivity bonus. PARTNERSHIP, TEACHING AND RESEARCH opportunities are also available.

CONTACT

Interested candidates, please send or e-mail your current CV to:
Joseph A. Casadonte, M.D.,
Medical Director
Pediatric Neurology Associates
880 6th Street S, Ste 430
St. Petersburg, FL 33701
Phone: 727/767-4149
Fax: 727/767-4294
Email: mcpedneuro@yahoo.com

CNS PERSONNEL REGISTRY GEORGIA

Child Neurology practice associated with major children's healthcare network. Personalized patient care a major emphasis with inpatient and outpatient responsibilities. Full pediatric neuroradiology and neurosurgery support including pediatric epilepsy surgery program. Excellent benefits and partnership opportunity.

CONTACT

Gerald Silverboard, M.D.
Atlanta Family Neurology
975 Johnson Ferry Road, Suite 360
Atlanta, Georgia 30342
Email: gsilverb@msn.com

Child Neurology Associates is seeking a well trained General Pediatric Neurologist to join our practice in Atlanta, GA.

Our private practice group consists of 8 Pediatric Neurologists, and 7 Nurse Practitioners affiliated with one of the largest pediatric healthcare systems in the U.S. and hospital supported Neuroscience Center of Excellence.

In our group, several neurology subspecialties are represented, such as epilepsy, neuromuscular, neonatal, Autism, behavioral, etc. We have an active clinical research program, MDA program, and Comprehensive Epilepsy program with LTVEEG, epilepsy surgery and VNS.

Call is shared equally. Excellent salary and benefits (including bonus, health, vision, and dental benefits as well as an employer matched 401k plan) are provided.

Atlanta is a world class city of over 4 million. Atlanta's Hartsfield-Jackson Airport is a major international airline hub. We also boast a MLB National League, NFL, NBA, and NHL teams as well as Museums, Symphony and other performing arts.

Atlanta is home to beautiful in-town neighborhoods along with easily accessible suburban communities.

CONTACT

Dr. Raymond Cheng, M.D., Partner
Child Neurology Associates, P.C.
5505 Peachtree Dunwoody Road, Suite 500
Atlanta, Ga. 30342
Phone: 404/256-3535 x103
Email: rcheng@childneuro.org

CNS PERSONNEL REGISTRY ILLINOIS

The University of Illinois at Chicago (UIC) Department of Pediatrics is seeking a Pediatric Neurologist to join its Division of Pediatric Neurology. Applicants with an interest in clinical medicine at teaching, as well as applicants with research programs complement their clinical activity are encouraged to apply. Salary and rank are commensurate with experience. An attractive benefit package is included. The Division of Pediatric Neurology is one of sixteen collaborating divisions within the UIC Department of Pediatrics. Revitalization of

the Department of Pediatrics under our chairperson, Usha Raj, MD, is developing a vibrant clinical center serving children throughout the city and State of Illinois. The UIC Medical School boasts of the largest medical school enrollment in the nation; its clinical training programs offer comprehensive clinical experience along with outstanding opportunities for teaching and research. UIC is located in the City of Chicago, just west of the fabled Loop. We are part of the Illinois Medical District, and easily accessible by public transportation and all major expressways. The Chicago land area speaks for itself to those interested in a place to live and work and thrive.

CONTACT

Dr. Alma Bicknese
Chief, Division of Pediatric Neurology
840 S. Wood St. M/C 856
Chicago, IL 60612
Email: bicknese@uic.edu

Carle Clinic Association, a 330-physician multispecialty group practice, is seeking an additional BE/BC Pediatric Neurologist to join an established Pediatrics department in Urbana-Champaign, Illinois. This is a 100% Pediatric Neurology practice. Carle Foundation Hospital, a 305-bed facility that is a designated Level I Trauma Center and Level III Co-Perinatal Unit, has a Pediatric Hospitalist service and a Pediatric ICU service. Subspecialties in the Pediatrics department include Gastroenterology, Developmental-Behavioral, Pulmonology, and Allergy. Carle Clinic has a BC Pediatric Neurosurgeon on staff and there is a rotating Pediatric Cardiology service. Position features academic and/or research affiliation with the University of Illinois, if desired. Competitive compensation package and excellent benefits offered (including paid malpractice insurance). Urbana-Champaign has a population of 180,000, is home to the Big 10 University of Illinois, and is located 2 hours from Chicago and Indianapolis and 3 hours from St. Louis.

CONTACT

Dawn Goeddel, Search Consultant
Phone: 800/436-3095 x4103
Fax: 217/337-4119
E-mail: dawn.goeddel@carle.com

CNS PERSONNEL REGISTRY
INDIANA

Peyton Manning Children's Hospital at St. Vincent in Indianapolis, Indiana is seeking a BC/BE Pediatric Neurologist to join our team. Experience or special interest in Epilepsy is preferred.

The program features:

- 24 hour Video EEG monitoring with remote viewing
- Full complement of Pediatric specialists, including Neuropsychologists
- 24/7 availability of Intensivists, ED physicians, Neonatologists and Hospitalists
- Accredited Neurodiagnostic lab with nationally credentialed staff

St. Vincent is the largest healthcare delivery system in Indiana and ranked among the Top 100 hospitals in the country. Peyton Manning Children's Hospital at St. Vincent has 40 inpatient, 15 PICU and 17 ED beds. We offer Indiana's largest Level III NICU (85 beds). Medical staff includes extraordinary general pediatricians and full compliment of pediatric sub-specialists. Indiana offers low malpractice coverage and is ranked as the nation's number one "physician friendly" state. Indianapolis is the 12th largest city in the nation and is the center of America's heartland. Indianapolis supports more than 200 arts organizations, including a world-class symphony, theater, opera, ballet, and museums, art galleries and professional sports. Enjoy a relaxed lifestyle with numerous cultural offerings, change of seasons and outstanding schools.

CONTACT

Physician Recruitment Team
Suburban Health Organization
2780 Waterfront Parkway East Drive
Suite 300
Indianapolis, IN 46214
www.suburbanhealth.com
Phone: 317/692-5222
Fax: 317/692-5240
Email: employment@suburbanhealth.com

CNS PERSONNEL REGISTRY
IOWA

The University of Iowa Carver College of Medicine is seeking a Child Neurologist specialist in the Department of Pediatrics and University of Iowa Children's Hospital. This is a full-time position at the Assistant, Associate Professor, or Professor (non-tenure clinical track) level.

Requirement

- Must hold MD/DO Degree
- Board certified/eligible in Neurology with Special Competence in Child Neurology
- Clinical Experience in child neurology

Desirable qualifications:

- Strong oral and written communication/interpersonal skills
- Skill and interest in clinical teaching
- Demonstrated ability to develop and implement new clinical programs
- EEG and epilepsy expertise
- Record of Scholarly Activities

Iowa City is a university town of broadly diverse cultural and recreational activities, superb public schools, and affordable, safe residential neighborhoods. The University of Iowa is a strong research institution, and the hospital complex is one of the nation's largest and best university teaching hospitals. Both the University of Iowa Children's Hospital and the Carver College of Medicine have pursued vigorous building programs in recent years, and the facilities for patient-care, education, and research are outstanding.

CONTACT

Jeanie Cromer
University of Iowa Children's Hospital
Pediatric Faculty Affairs
200 Hawkins Drive, 2633 JCP
Iowa City, IA 52242
Email: jeanie-cromer@uiowa.edu

To learn more about the University of Iowa Children's Hospital and the Iowa City community, please visit www.uihealthcare.com/depts/uichildrenshospital/index.html.

To apply for this position please visit The University of Iowa website at <http://jobs.uiowa.edu>, requisition number 57131.

The University of Iowa is an equal employment opportunity/affirmative action employer, and candidates who are women or members of minority groups are strongly encouraged to apply.

CNS PERSONNEL REGISTRY
MASSACHUSETTS

Seeking mid career BC Child Neurologist with strong clinical and teaching skills. Responsibilities include patient care, both in-patient and ambulatory, and teaching of medical students and residents.

The Division consists of five full time neurologists, including two fellowship trained epileptologists, five child neurology residents, and a neuropsychologist. There is a dedicated pediatric EEG program and rapid growth in community partnerships. Sub specialty and / or active research program desirable. Academic rank and salary commensurate with experience

CONTACT

Linda Specht MD, PhD
Division Chief, Pediatric Neurology
Email: lspecht@tuftsmedicalcenter.org

**CHILDREN'S HOSPITAL BOSTON
Harvard Medical School Appointment -
Fellowship Program - Vibrant Research
Environment - Scott Pomeroy, MD, Chief**

The Department of Neurology is seeking a GENERAL PEDIATRIC NEUROLOGIST and a PEDIATRIC BEHAVIORAL NEUROLOGIST due to expansion of their network sites.

The behavioral neurologist will develop and run a multi-disciplinary team and have a consultative practice. The general neurologist will see a broad spectrum of outpatient neurology with the opportunity to develop sub-specialty programs based on interest and need. Both positions will be outpatient-focused with limited call & inpatient responsibilities.

For 15 years in a row, *US News & World Report* has rated Children's Hospital Boston one of the nation's top two pediatric hospitals. Children's Hospital Boston is a 325-bed comprehensive center for pediatric health where a half million patients are treated and 20,000+ surgical procedures are

CNS PERSONNEL REGISTRY
AD PLACEMENT

Text ads may be placed in the CNS Newsletter for \$125 (max 4 column inches; \$25 per additional inch). Graphic ads begin at \$450 for 1/4 page (e-mail/call for rates). Ads placed in newsletter may also be placed on CNS Website for \$75 (\$125 for non-members). Deadline for placement in the Winter 2009 issue is November 15, 2009. E-mail ads to Roger Larson at nationaloffice@childneurologysociety.org.

performed annually. As the largest pediatric medical center in the Northeast, 30 departments and 150 sub-specialty programs are represented.

The successful candidate will enjoy an academically accomplished and experienced group of colleagues within a vibrant and supportive teaching and research environment and a faculty appointment at Harvard Medical School.

CONTACT

Ashley McNeil
Phone: 800/678/7858 x64465
Email: amcneil@cejkasearch.com
Or visit www.cejkasearch.com
ID#31143/31144C1

CNS PERSONNEL REGISTRY MICHIGAN

The Division of Pediatric Neurology at the 190-bed Helen DeVos Children's Hospital in Grand Rapids, MI seeks a Pediatric Neurologist and a Division Chief. Our vital, dynamic and growing program of five physicians is focused on both clinical neurology and research. The program features state-of-the-art equipment including a fully digital EEG lab, inpatient video EEG, and portable EMG. Call is shared equally among the physicians. Qualifications include: board certified or board eligible in Neurology with special qualification in Child Neurology. EEG, EMG, epilepsy or neuromuscular training a plus. A desire in developing other subspecialty interests also a plus. A new 206-bed Helen DeVos Children's Hospital opens in early 2011. A teaching hospital for Michigan State University College of Human Medicine, we have over 150 pediatric specialists in 40 pediatric specialty areas covering a 37 county region. MSU is developing a four year medical school in Grand Rapids by 2010. Grand Rapids, Michigan's second largest city with a metropolitan population of 750,000 is located 35 minutes from the beautiful shore of Lake Michigan. Grand Rapids is known as the cultural, educational and economic hub of West Michigan.

CONTACT

Diana Dieckman, Physician Recruitment
Helen DeVos Children's Hospital
Phone: 800/788-8410
Fax: 616/486-6655
Email: diana.dieckman@devoschildrens.org

CNS PERSONNEL REGISTRY NEW HAMPSHIRE

See ad below.

CNS PERSONNEL REGISTRY NEW JERSEY

The University of Medicine & Dentistry of New Jersey-Robert Wood Johnson Medical School, Department of Pediatrics is currently looking for a full-time, BC/BE child neurologist to assume a role in the clinical, educational, and academic activities of the Division of Child Neurology and Neurodevelopmental Disabilities. The candidate should have a valid state of New Jersey medical license or be eligible for licensure. Research or subspecialty interests, such as epilepsy or headache, welcome but not necessary. Physician will perform clinical care and provide teaching to medical students, fellows and residents. This is an excellent opportunity for an individual at the career level of assistant professor or associate professor. Academic rank will be

commensurate with experience and academic portfolio.

UMDNJ provides a comprehensive benefits package. Salary is competitive and commensurate with experience.

CONTACT

If interested, please send current CV to:
Patricia Whitley-Williams, MD
Professor and Interim Chair
Department of Pediatrics
UMDNJ-RWJS
PO Box 19
New Brunswick, NJ 08903-0019
Email: whitlepn@umdnj.edu

The University of Medicine and Dentistry of New Jersey, Robert Wood Johnson Medical School is an Affirmative Action/Equal Employment Opportunity Employer, m/f/h/v

Pediatric Neurologist

The section of Pediatric Neurology at Children's Hospital at Dartmouth is adding another Pediatric Neurologist. We seek a Board certified/eligible motivated, energetic neurologist who has excellent clinical and teaching skills. Subspecialty skills or research interests are encouraged and will be supported. The position includes appointment to the faculty of the Department of Pediatrics and Dartmouth Medical School at a rank commensurate with experience and academic portfolio. Currently, our section consists of several talented, dedicated individuals who enjoy living and working in a beautiful rural setting with all the benefits of a top-notch academic medical center and nearby Dartmouth College. The Upper Valley is ranked highly as a desirable place to live and work, and Dartmouth-Hitchcock Medical Center offers an exciting work environment with tremendous growth opportunities. Come check us out!

Direct inquiries and resumes to:

Dr. John Modlin, Professor of Pediatrics
Dartmouth-Hitchcock Medical Center
One Medical Center Drive
Lebanon, New Hampshire 03756
E-mail: John.F.Modlin@Hitchcock.ORG



DARTMOUTH-HITCHCOCK
MEDICAL CENTER

Dartmouth-Hitchcock Medical Center is an Equal Opportunity/Affirmative Action employer and encourages applications from women and members of minority groups.

www.dhmc.org

CNS PERSONNEL REGISTRY NORTH CAROLINA

Levine Children's Hospital (www.levinechildrens.hospital.org) at Carolinas Medical Center is a 234 bed academic pediatric hospital that opened in October 2007, and is part of the Carolinas HealthCare System (www.carolinashealthcare.org). Carolinas HealthCare System is a not-for-profit, self-supporting public organization. It is the largest healthcare system in the Carolinas, and one of the largest public systems in the nation. Charlotte, NC is a growing and vibrant city, with the largest population of any city in the Carolinas, and is 2 hours from the mountains of NC and 3-4 hours from the beaches of NC and SC.

With expansion of services, our Department of Neurology is seeking BC/BE child neurologists to join their high caliber team of faculty providers.

Carolinas Medical Center is the 874 bed flagship facility of the 25 hospital Carolinas HealthCare System. CMC houses a Level 1 Trauma Center and provides residency training for over 200 physicians in 15 different specialties.

CONTACT

Maranda Judd, Physician Recruiter
Phone: 704/355-0279; 800/847-5084
Email: maranda.judd@carolinashealthcare.org

CNS PERSONNEL REGISTRY OREGON

The Division of Pediatric Neurology in the Department of Pediatrics at Oregon Health & Science University (OHSU) is seeking two full-time pediatric neurologists at the assistant or associate professor level.

One position is for a fellowship-trained [BC/BE pediatric epileptologist to join the Doernbecher Childhood Epilepsy Program. Clinical responsibilities include outpatient care, routine outpatient EEG and inpatient video-EEG monitoring, including coordination of complex epilepsy surgeries, as well as participation in clinical research trials. While clinical expertise and outstanding teaching skills are essential, research interests are encouraged, and broad opportunities for collaborative research exist at OHSU.

The second position is for a BC/BE child neurologist with excellent clinical and teaching skills, and includes both outpatient and inpatient care. Particular expertise in pediatric neuromuscular disease or another subspecialty would be desirable but is not required.

The Division currently has 5 pediatric neurologists on staff, as well as active child neurology and neurodevelopmental disabilities fellowship training programs. We participate in

the training of Pediatric, Neurology, Neurosurgery, and Child Psychiatry housestaff, as well as OHSU and visiting medical students. All clinical care is carried out at Doernbecher Children's Hospital (a 155-bed dedicated pediatric hospital) and its affiliated clinics. Portland offers outstanding quality of life with both wonderful big-city amenities and outstanding access to biking, hiking, kayaking, skiing and many other outdoor activities inside and out of the city.

Salary will be commensurate with rank and experience and competitive with regional academic centers. *Oregon Health & Science University is an Equal Opportunity/Affirmative Action Employer.*

CONTACT

Please send CV or direct inquiries to Thomas Koch, M.D., Head, Division of Pediatric Neurology at kocht@ohsu.edu or contact Andie Elliott at 503/494-9113.

CNS PERSONNEL REGISTRY PENNSYLVANIA

Penn State Hershey Children's Hospital is seeking 2 Pediatric Neurologists to join the Division of Pediatric Neurology. The division consists of 3 Pediatric Neurologists. The Penn State Hershey Medical Center is the major teaching hospital for the Penn State University College of Medicine. The Division of Pediatric Neurology is in the Department of Pediatrics with a strong affiliation with the Department of Neurology. The Department of Pediatrics has over 100 general pediatricians and pediatric subspecialists providing care in the full range of pediatric care in the Penn State Hershey Children's Hospital. The Department of Neurology is comprised of 17 general and subspecialty neurologists. The medical center has two pediatric neurosurgeons within the 8 member Department of Neurosurgery. The Division of Pediatric Neurology is actively involved in the teaching programs for residents in Neurology, Pediatrics, and Child Psychiatry, as well as medical students at the Penn State Hershey College of Medicine. Candidates with an interest in general clinical pediatric neurology, those with subspecialty training, and those with a research focus are encouraged to apply. The position can be tailored to the interests and background of the candidate. Responsibilities include outpatient evaluations, inpatient consultation, and on-call coverage limited to pediatric neurology. The Penn State Hershey Children's Hospital has a very strong hospitalist service to provide continuity and coordination of inpatient care in a collaborative manner. Hershey is in south central Pennsylvania and it offers an outstanding life style. Additionally, it is located within 2 hours of Baltimore/Washington, DC and Philadelphia and 3 hours from New York City. *Penn State Hershey Children's Hospital is an Equal Opportunity/Affirmative Action employer and*

encourages applications from women and members of minority groups.

CONTACT

William H. Trescher, M.D.
Penn State Hershey Children's Hospital
P.O. Box 850
Hershey, PA 17033
Email: wtrescher@hmc.psu.edu

Large suburban Philadelphia Hospital, to take over an established Child Neurology Practice. Over 70 pediatricians on staff, over 5,000 deliveries a year, with a large level 3 neonatal intensive care unit, hospital based EEG laboratory. In a community with excellent public and independent schools, 12 miles to center city Philadelphia, easy access to New York City and Washington, D.C.

CONTACT

Dr. Peter Kollros
Phone: 215/285-9552 or
Dr. Steven Shapiro, Chairman of Pediatrics
Phone: 215/572-0425
Email: peter.kollros@gmail.com

CNS PERSONNEL REGISTRY SOUTH CAROLINA

The Department of Neurosciences, Division of Pediatric Neurology, and the Comprehensive Epilepsy Center at the Medical University of South Carolina are seeking additional faculty to join our Pediatric Neurology and Epilepsy teams. BC/BE child neurologists/epileptologists with strong clinical skills and proven academic achievement are encouraged to apply-rank is commensurate with experience. The MUSC Children's Hospital, ranked one of the highest among the outstanding pediatric facilities in the nation, is located in Charleston, SC, a city noted for its historical, cultural and recreational attractions. The MUSC Comprehensive Epilepsy Center is designated as a "Level 4 Epilepsy Center", the highest possible designation, by the National Association of Epilepsy Centers. The Department and University offer expansive potential for collaboration in such diverse disciplines as neuro-imaging, epidemiology, and behavioral medicine, through cooperation with faculty from programs at the Center for Advanced Imaging Research, Greenwood Genetic Center, Hollings Cancer Center, Institute of Psychiatry, and others. Interested candidates who are eligible for licensure in South Carolina can apply online at www.musc.edu/hrm/careers/faculty.htm.

CONTACT

Marcene McCurdy at mccurdym@musc.edu
MUSC is an equal opportunity employer.