



### Presidential Guest Lecturer

**William Holmes, MD MPH**

*Voices from the Peace Zone — Collaborating on Global Health*

William Holmes, MD MPH has devoted more than half of his career to providing medical care and strengthening health care systems in the lesser developed world. He received his undergraduate education at Dartmouth College, his medical degree at the University of Connecticut, and his Masters of Public Health degree at Boston University. He completed his General Surgery training at Boston University, and Plastic Surgery training at the Lahey Clinic. He obtained Fellowship Training in Hand and Microsurgery at the University of Utah, Craniofacial Surgery at the Royal Children's Hospital in Melbourne, Australia, and Pediatric Plastic Surgery/Hand Surgery at the Great Ormond Street Hospital in London, UK. He served on the clinical staff of the Children's Hospital, Oakland from 1998-2004.

Dr. Holmes' work in the lesser developed world began in medical school, and has spanned the last three decades working in all seven continents. He continues to serve as a clinician, health system advisor for various governments, and consultant for a number of international health agencies. He is the founding surgeon of the Sushma Koirala Plastic and Reconstructive Surgery Hospital in Nepal, and has supported a variety of health facilities and systems in more than twenty countries over the last thirty years. Currently he serves as a consultant for international health, and in 2010 has worked in Afghanistan, Cambodia, Ghana, Haiti, and Kenya.



### Mac Keith Press Basic Science Lecturer

**Joelle Mast, MD PhD**

*The Changing Landscape of Pediatric Neurorehabilitation: Technology – Its Benefits and Limitations*

Joelle Mast, MD PhD is a child neurologist with subspecialty certification in Neurodevelopmental Disabilities. She is also board certified in Pediatrics and in Hospice and Palliative Care Medicine. Dr. Mast has a PhD in Cognitive Experimental Psychology and completed an NIMH fellowship in Developmental Psychobiology. She received her MD from the University of Miami and completed her residency training in Pediatrics and Neurology at New York-Presbyterian/Weill Cornell Medical Center where she is an assistant professor in Pediatrics and Neurology. She is also on the faculty of the School of Health Sciences and Practice of New York Medical College.

Dr. Mast is Chief Medical Officer at Blythedale Children's Hospital where she is the Principal Investigator on a research study investigating the efficacy of robotic assisted therapy in children with cerebral palsy and other acquired brain injury.



**Robert W. Armstrong, MD PhD**

*Global Perspective on Child Disability and the Role of the Academy — Moderator*

Dr. Armstrong is the Founding Dean of the Aga Khan University College of Medicine - East Africa and is based in Nairobi, Kenya. Prior to joining AKU he was Associate Professor and Head, Department of Paediatrics at the University of British Columbia and Chief, Paediatric Medicine at BC Children's Hospital and BC Women's Hospital. His clinical and research interests are in the area of childhood disability, development of population-based strategies for prevention of developmental disorders and clinical and health services strategies for improving outcomes of children with disabilities. He is a past President of the AACPD and is Chair of the Publications Committee.



**Ali Bakir Al-Hilli, MD, FICS**

*Global Perspective on Child Disability and the Role of the Academy — Panelist*

Ali Al-Hilli was born in Baghdad (the capital of Iraq) in 1971. His family is originally from Babylon (an ancient historical city 62 miles to the south of Baghdad). He did his residency in Orthopaedics and trauma at Medical City in Baghdad (the largest teaching medical complex in Iraq).

In 2005, he was granted the degree of Iraqi Board and worked as a senior in Orthopaedics and trauma at Medical City. He is practicing general Orthopaedics with special interest in paediatric orthopaedics, and cerebral palsy patients are one of his major interest and practice.

He had a visiting clinical fellowship at University of Iowa Hospitals and Clinics/Orthopaedic Department in 2008 under the direction of Dr. Ignacio Ponseti, and he had a research fellowship at Bone healing research Laboratory/ Iowa Spine Research Center in 2009-2010.

**Naila Z. Khan, MD**

*Global Perspective on Child Disability and the Role of the Academy – Panelist*

Dr. Khan is a Professor of Child Neurology and Development, Dhaka Shishu (Children's) Hospital in Bangladesh. She is the founding chairperson of the Shishu Bikash Network; General Secretary of the Bangladesh Protibondhi Foundation; Secretary General of the Bangladesh Society for Child Neurology, Development and Disability; Chairperson of the Bangladesh Society of Pediatric Neuroelectrophysiologists (BSPNEP); and National Delegate of the Asia Oceania Child Neurology Association (AOCNA). She is the National Coordinator, Ministry of Health, for the establishment of multidisciplinary Child Development Centers in all government medical college hospitals of the country. She has over one hundred publications in national and international journals, books and monographs. .

**Ana Paula Tedesco, MD**

*Global Perspective on Child Disability and the Role of the Academy — Panelist*

Dr. Tedesco was born in south of Brazil. She graduated in Medicine at University of Rio Grande do Sul, and had residency training in orthopaedics at Hospital das Clinicas, Porto Alegre. Her interest on neuro-orthopaedics issues was crowned when she had the opportunity to be a research fellow at Children's Memorial Hospital, Northwestern University, with Dr. Luciano Dias. She taught for twelve years at a local University, where she started one of the few multidisciplinary clinics in her state. In the last year she founded the Instituto de Neuro-ortopedia, where she works as a medical director. The Institute aims at not only evaluation and treatment but also teaching and research.

**Vo Quang Dinh Nam, MD**

*Global Perspective on Child Disability and the Role of the Academy — Panelist*

Dr. Vo was born in Vietnam. He is working as a paediatric orthopaedist in Hochiminh city. He has taken many training courses in orthopaedics overseas. He has spent a lot of time in taking care of the children with congenital deformities and motor disabilities. He is the author of many papers and has many talks at meetings in orthopaedics and related specialties in Vietnam.

As a lecturer, he always has enthusiasm over instruction in orthopaedics for students and postgraduate professionals. For many years, he has been interested in children with cerebral palsy and now, he is trying to work in team for cerebral palsy.

**Gary Hankins, MD**

*Neonatal Encephalopathy & Cerebral Palsy*

Gary Hankins is the Jennie Sealy Smith Distinguished Professor and Chairman of the Department of Obstetrics & Gynecology at the University of Texas Medical Branch in Galveston, Texas. Dr. Hankins has served as the Consultant to the Air Force Surgeon General for Obstetrics/Gynecology since 1995 and has been the author or co-author on more than 230 articles, 40 book chapters, 10 books and hundreds of abstracts. Dr. Hankins has served as both vice chair and chair of the American College of Obstetricians and Gynecologists (ACOG) Task Force on Neonatal Encephalopathy and Cerebral Palsy. He has served as Chairman of the OB Practice Committee ACOG, and over his professional career, has

worked closely with ACOG in many areas, including having been the Scientific Program Chairman of the Annual Clinical Meeting as well as chairman of numerous committees and task forces.

As a researcher, Dr. Hankins has received extramural funding almost continually for the past 25 years. One of his most notable scientific contributions has been in pioneering the establishment of normative data for umbilical cord arterial and venous blood gas and acid base values along with their meaning. He and his colleagues have further significantly contributed to our understanding of the correlation of the metabolic condition of the fetus to the electronic fetal heart rate patterns, and another area of notable clinical expertise involves multiple facets of operative obstetrics, to include the sentinel series involving early repair of episiotomy dehiscence, emergency cerclage usage, and operative vaginal delivery.



**David J. Durand, MD**

*Cooler Heads Are Prevailing: Cerebral Cooling for Neonatal Hypoxic Ischemic Encephalopathy*

Dr. Durand is the Director of the Division of Neonatology at Children’s Hospital & Research Center in Oakland, California, and is a Clinical Scientist at the Children’s Hospital Oakland Research Institute. For the last 20 years he has directed the NICU/PICU Research Group at Children’s, which has focused on clinical trials of new therapies in critically ill newborn and pediatric patients. One of the areas of focus for this research group is neuro-protective strategies.



**Terence D. Sanger, MD PhD**

*Approach to the Diagnosis and Treatment of Movement Disorders in Children*

Terence Sanger received an SM in Applied Mathematics from Harvard University, a PhD in Electrical Engineering and Computer Science from the Massachusetts Institute of Technology, and an MD from Harvard Medical School. He performed postdoctoral research at the NASA Jet Propulsion Laboratory and at MIT, and he performed subspecialty training in Child Neurology at Boston Children’s Hospital and in Movement Disorders at Toronto Western Hospital and Toronto Sick Childrens Hospital. He is currently an associate professor in the Biomedical Engineering, Neurology, and Biokinesiology departments at the University of Southern California. He runs the pediatric movement disorders clinic at Children’s Hospital of Los Angeles, and his laboratory investigates electrophysiology and computational modeling of movement disorders in children.



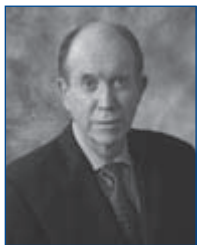
**Joanne Kurtzberg, MD**

*Treatment of Acquired Brain Injury with Umbilical Cord Blood*

Joanne Kurtzberg, MD, is an internationally renowned expert in umbilical cord blood transplantation. She is Chief of the Division of Pediatric Blood and Marrow Transplantation at Duke University Medical Center in Durham, North Carolina, Director of the Carolinas Cord Blood Bank at Duke, and Co-Director of the Stem Cell Laboratory. She earned her medical degree from New York Medical College, internship at Dartmouth Medical Center and residency at Upstate Medical. Dr. Kurtzberg then completed her fellowship at Duke University Medical Center in pediatric hematology-oncology. She is currently a Susan Dees Distinguished Professor of Pediatrics, and Professor of Pathology at Duke University Medical Center.

Dr. Kurtzberg has earned renown in the field of basic research due to her role in the development of several anti-leukemia drugs. Her other work includes the study of actions of recombinant hematopoietic growth factors, the use of umbilical cord blood in human bone marrow transplantation, and the ex vivo expansion of stem cells derived from umbilical cord blood.

Dr. Kurtzberg has published almost 400 manuscripts in peer-reviewed journals and 30 chapters for textbooks. Since 1988, Dr. Kurtzberg has mentored 24 post-doctoral fellows in her research laboratory and has served as preceptor to 12 medical students in laboratory and clinical environments. Dr. Kurtzberg holds positions on a number of scientific advisory boards, including the U.S. Department of Health and Human Services Advisory Council on Blood Stem Cell Transplantation. Dr. Kurtzberg is a member of several national and international committees, and currently co-chairs the National Marrow Donor Program Cord Blood Committee.



**Gayle G. Arnold Award Lecturer**

**Warwick Peacock, MD**

*Spasticity and Rhizotomy: A Shared Learning Experience*

Warwick Peacock was born in South Africa and trained at the University of Cape Town where he also did his residency in neurosurgery before becoming a fellow in pediatric neurosurgery at the Hospital for Sick Children in Toronto.

When he returned to Cape Town, he established the first department of pediatric neurosurgery in sub-Saharan Africa. In 1985, he was invited to join the department of neurosurgery at UCLA to develop a section of pediatric neurosurgery. His clinical and research interests were in cerebral palsy and childhood epilepsy. He has now retired from clinical practice and has established a Surgical Anatomy Program at UCLA where he teaches clinical anatomy to surgical residents and medical students.


**Christopher B. Forrest, MD PhD**

*Pediatric PROMIS: A National, NIH-Funded Effort to Advance the Science of Patient Reported Outcomes* (Presented with Carole A. Tucker, PhD PT)

Dr. Forrest is a general pediatrician, child health sciences researcher, and a Professor of Pediatrics at University of Pennsylvania School of Medicine. His research team has substantial expertise in the design and implementations of interventions to improve children's health and well-being, longitudinal studies in pediatrics, and multi-institutional collaborative research. Forrest is the Director of PEDSNet (Pediatric EHR Data Sharing Network), a consortium of 18 children's hospitals dedicated to sharing electronic health record data for the purposes of research and quality improvement. Dr. Forrest directs several federally funded, multi-site projects, many of which are done collaboratively with school system. One study is a longitudinal evaluation of child health and its effects on school performance. This research is developing trajectories of health and academic performance and testing the hypothesis that health is a necessary resource for academic performance. A second project is Pediatric PROMIS—development of several child health item banks that will be used to create computerized adaptive tests using modern measurement techniques. PROMIS is an NIH roadmap initiation. Forrest serves as chair of the Executive Committee of PROMIS. A third project is an RCT of an EMR based clinical decision support tool for otitis media care. Forrest was involved in the early conceptualization and research vision for the field of child health services research, and now devotes his attention to developing core competencies for HSR training programs.


**Carole A. Tucker, PhD PT**

*Pediatric PROMIS: A National, NIH-Funded Effort to Advance the Science of Patient Reported Outcomes* (Primary Presenter is Christopher B. Forrest, MD PhD.)

Dr. Tucker obtained her undergraduate degree in Physical Therapy and her Masters of Science degree in Electrical Engineering from Boston University. She then completed her PhD at the State University of New York (SUNY) Buffalo in Exercise Science/Biomechanics. She has been certified by the American Board of Physical Therapy Specialties as a Pediatric Clinical Specialist (PCS) since 1996. Dr Tucker is also an American College of Sports Medicine Registered Clinical Exercise Physiologist (RCEP). Her clinical practice has primarily been focused in pediatrics within both acute care and school-based settings. She was a member of the Scientific Staff of Shriner's Hospitals for Children, Philadelphia from 2004 – 2008 during which time she served as Director of the Motion Analysis Laboratory. Her current research focuses on biomechanics and motor control of gait, development of patient-report outcome measures of health status in pediatric populations using computer adaptive testing, application of pattern recognition, structural equation modeling, and advanced statistical analytical approaches to biomechanics data sets, and technology based interventions (treadmill training, gaming systems) to improve function and mobility in children with physical disabilities. She has received funding from the Whitaker Biomedical Engineering Foundation, Shriner's Hospital for Children, and is currently Co-Investigator on the NIH funded grant: Pediatric PROMIS: Advancing the Measurement and Conceptualization of Child Health. Dr Tucker is on the editorial boards of Pediatric Physical Therapy and the Journal of Neuroengineering and Rehabilitation.


**Chambers Family Lifespan Lecturer**
**Judy Woodruff**

*Jeffrey's Story*

Broadcast journalist Judy Woodruff has covered politics and other news for more than three decades at CNN, NBC and PBS. After returning to the NewsHour in 2007 as a senior correspondent, she now regularly co-anchors the newly redesigned PBS NewsHour.

In 2007, Woodruff completed an extensive project on the views of young Americans called "Generation Next: Speak Up. Be Heard." Two hour-long documentaries aired on many PBS stations in January and September, 2007, along with a series of reports on the NewsHour with Jim Lehrer, NPR and in USA Today.

For 12 years, Woodruff served as anchor and senior correspondent for CNN, anchoring the weekday political program, Inside Politics. At PBS from 1983 to 1993, she was the chief Washington correspondent for The MacNeil/Lehrer NewsHour, and from 1984-1990, she anchored PBS' award-winning weekly documentary series, Frontline with Judy Woodruff. At NBC News, Woodruff served as White House correspondent from 1977 to 1982. For one year after that she served as NBC's Today Show Chief Washington correspondent. Woodruff is a founding co-chair of the International Women's Media Foundation, an organization dedicated to promoting and encouraging women in communication industries worldwide.