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American Chinese Medical Exchange Society (ACMES)

美中医学交流学会

## 国际自闭症论坛

2015年8月1日至3日

中国

特邀美国医学科学院院士，哈佛医学院教授 **Bruce Rosen** 主题讲演

特邀美国近十名著名自闭症专家分四个会场专题讲演

**Martha Hebert, Valerie Hu, Richard Frye, William Stone and more...**



美国自闭症个体及家长分享专场  
科研论文展示厅及优秀科研论文评选

协助国际杂志发表

科研项目对接，临床病例会诊

培训班（自闭症生物医学疗法，语言感统，ABA行为训练，康复）

# BIOMEDICAL ADVANCES OF AUTISM 2015

## PROGRAM AGENDA

AUGUST 1<sup>ST</sup> TO 5<sup>TH</sup>, 2015

**2015年8月1日**

1:00-5:00pm 培训班（分四个会场：生物医学，语言感统，ABA行为训练，心里疏通）

6:00-9:00pm 晚宴，座谈

**2015年8月2日 大会**

9:00-10:00 Opening remarks 开幕词

10:00-12:00 keynote speech 主题讲演

“Medical Imaging of Autism” Bruce Rosen, MD, PhD 自闭症影像学进展

“A Whole-Body Approach to Brain Health in Autism.” Martha Herbert, MD, PhD 全身到大脑：纵观自闭症

12:00-1:00 Lunch, Autism books, NAJMS Autism Special Issue and Autism Art exhibition 自闭症新书及杂志

1:00-4:00 Panel I: Research and Renovation 分会场之一：科研与创新

“An integrated genomics approach towards understanding: What causes autism?” Valerie Hu, Ph.D.

自闭症基因进展

“Autism Genome 10K Project” Noel Chen, Ph.D., Director of Scientific Collaboration, BGI Americas 自闭症基因

“Autism and Neurotransmitters” Cunjian Dong, PhD 自闭症与神经介质

1:00-4:00 Panel II: Science based practices 实证医学

“Metabolic biomarkers of autism” Rich Fryer, MD, PhD 自闭症的代谢标记

“Gut and brain connection, a new look” June Kong MD 肠道与大脑的连接

“Stress and mental flexibility in autism spectrum disorders” William Stone, Ph.D 压力与精神可塑性与自闭症

1:00-4:00 Panel III Integrative therapy 整合医疗

Acupuncture/Herb/QiGong 针灸，中药与气功

1:00-4:00 Panel IV Family connection and programs 自闭症个体与家长

“Life-long Buddy” project 自闭症终生伙伴计划

1:00-4:00 Panel V Rehab 自闭症康复

“Rehab for autism and beyond” Qing Mei Wang, MD, PhD 自闭症的康复

**August 3<sup>rd</sup>, 2015:**

9:00-12:00 research group meetings 自闭症科研研讨及对接，国内专家讲演

August 4<sup>th</sup> and 5<sup>th</sup> visiting hospitals and panel discussions 参观医院及座谈



Dr. Rosen is Professor of Radiology at the Harvard Medical School and Professor of Health Science and Technology at the Harvard-MIT Division of Health Sciences and Technology. He is Director of the Athinoula A. Martinos Center for Biomedical Imaging at Massachusetts General Hospital. Dr. Rosen is a world-leading expert in functional neuroimaging. Over the past thirty years he has pioneered the development and application of many novel physiological and functional nuclear magnetic resonance techniques to measure hemodynamic and metabolic changes associated with brain activation and cerebrovascular insult as well as complementary tools to measure microvascular and microstructural morphology. These and other techniques he has developed are used by research centers and hospitals throughout the world to study and evaluate patients with stroke, brain tumors, dementia, and neurologic and psychological disorders. Most recently, Dr. Rosen's work has focused on the integration of fMRI data with information from other modalities, including positron emission tomography (PET), magnetoencephalography (MEG) and noninvasive optical imaging. By using fMRI tools to evaluate the linkage between neuronal and physiological (metabolic and hemodynamic) events during periods of increased neuronal activity, his studies will allow researchers to better interpret fMRI signal changes and develop new ways to probe brain function. Dr. Rosen leads the activities of several large interdisciplinary and inter-institutional research programs including the NIH Blueprint-funded Human Connectome Project, the NIBIB Regional Resource Center, the Center for Functional Neuroimaging Technologies (CFNT), and the Biomedical Informatics Research Network (BIRN) Collaborative Tools Support Network. He is Principal Investigator/Program Director for two neuroimaging training programs. He has authored more than 300 peer-reviewed articles as well as over 50 book chapters, editorials and reviews. Dr. Rosen is the recipient of numerous awards in recognition of his contributions to the field of functional MRI, including, most recently, the 2011 Outstanding Researcher award from the Radiological Society of North America (RSNA), and the Rigshospitalets International KFJ Prize from the University of Copenhagen/Rigshospitalet. Dr. Rosen is a Fellow and Gold Medal winner for his contributions to the field of Functional MRI from the International Society for Magnetic Resonance in Medicine, a Fellow of the American Institute for Medical and Biological Engineering, and a member of the Institute of Medicine of the National Academies.



**Valerie Hu, Ph.D.**, is Professor of Biochemistry and Molecular Medicine at The George Washington University School of Medicine and Health Sciences as well as a mother of a son with ASD. She redirected her research focus towards autism about 8 years ago and has since published 14 papers on the genes and biological pathways associated with ASD. Dr. Hu received her Ph.D. in Chemistry from Caltech and did her postdoctoral research in Membrane Biochemistry and Immunology at UCLA. More information about her research and papers can be obtained at: <http://www.gwumc.edu/smhs/facultydirectory/profile.cfm?empName=Valerie%20Hu&FacID=2046028605>. A brief video documentary on Dr. Hu's autism research can be accessed on the "Model Me Kids Website".



**Martha Herbert, M.D., Ph.D.**, Dr. Herbert is Assistant professor of neurology at Harvard Medical School and a pediatric neurologist at Massachusetts General Hospital, where she is the director of the TRANSCEND Research Program. She is an affiliate of the Harvard-MGH-MIT-HST Martinos Center for Biomedical Imaging. Dr. Herbert earned her medical degree at the Columbia University College of Physicians and Surgeons. Prior to her medical training she obtained a doctoral degree at the University of California, Santa Cruz, studying evolution and development of learning processes in biology and culture in the History of Consciousness program, and then did postdoctoral work in the philosophy and history of science. She trained in pediatrics at Cornell University Medical Center and in neurology and child neurology at Massachusetts General Hospital, where she has remained. She received the first Cure Autism Now Innovator Award and is on the Scientific Advisory Committee of Autism Speaks.



**William Stone, Ph.D., ABPP-CN**, Dr. Stone is Director of Neuropsychology Training and Clinical Services, Massachusetts Mental Health Center (MMHC); Director of Neuropsychology Fellowship Program at MMHC and Beth Israel Deaconess Medical Center (BIDMC); Assistant Professor of Psychology, Harvard Medical School, staff clinical psychologist of department of psychiatry, BIDMC. His research is focused on identifying cognitive, clinical and biological risk factors for the development of psychiatric illness. These efforts emphasize attempts to identify liability syndromes for schizophrenia and related disorders. They also aim to develop interventions that will alter or prevent the trajectory to psychosis and other manifestations of major mental illness.



**Richard Frye, MD, PhD**. Dr. Frye is the Director of Autism Research at Arkansas Children's Hospital Research Institute and Director of the Autism Multispecialty Clinic at Arkansas Children's Hospital in Little Rock, AR. Dr. Frye is a well-recognized expert in the diagnosis and treatment of Autism Spectrum Disorders (ASD) and other developmental disorders. Dr. Frye has a broad background including specific training in neurodevelopmental disorders, physiology, psychology, and biostatistics. He is fellowship trained in Behavioral Neurology and Psychology and has clinical expertise in the assessment, diagnosis, and treatment of children with ASD. While at the University of Texas he developed a medically-based autism clinic which was specifically designed to diagnose and treat neurological and metabolic abnormalities associated with ASD in order to improve quality of life and promote recovery. Over the past two years he has completed three clinical studies related to ASD, including an open-label trial examining the metabolic and behavioral effects of tetrahydrobiopterin, a clinical study of the metabolic and genetic characteristics of children with ASD and mitochondrial disease, and a clinical study on the prevalence of the folate receptor alpha autoantibody in children with ASD, as well as the response to leucovorin treatment in ASD children with the folate receptor alpha autoantibody. As Director of Autism Research at the Arkansas Children's Hospital his goal is to develop an integrated autism program that includes a multi-specialty autism clinic, a translational research program focusing on biomarkers and clinical-trials, and a basic science program focusing on mitochondrial and redox metabolic metabolism.