2009 Pilot Grant Awardees

 **Binder, Jeffrey MD** *Medical College of Wisconsin*	*Jeffrey Binder, MD* is a Professor of Neurology at the **Medical College of Wisconsin**. His interests include: behavioral syndromes associated with cerebrovascular disease with primary research interest in understanding the neural bases of language. He has focused mainly on processes underlying speech perception and word recognition, but has also studied language lateralization phenomena in an effort to develop practical applications of language mapping in neurological patients.
 **Conant, List PhD** *Medical College of Wisconsin*	*Lisa Conant, PhD* is an Assistant Professor of Neurology at the **Medical College of Wisconsin**. She earned her PhD at the Ohio State University and subsequently completed a postdoctoral fellowship in Pediatric Neuropsychology at the University of Michigan Medical Center. Her current research endeavors focus on functional neuroimaging of speech and language processes in typical and atypical development, with a particular emphasis on the neural basis of developmental dyslexia.
 **Gourlay, David MD** *Children's Hospital of Wisconsin* *Medical College of Wisconsin*	*David Gourlay, MD* is a Pediatric Surgeon and Medical Director of Trauma at **Children's Hospital of Wisconsin**, an Assistant Professor of Surgery in Pediatric Surgery at the **Medical College of Wisconsin** and a member of Children's Specialty Group. Dr. Gourlay received his medical degree from the Medical College of Wisconsin, and completed his residency in General Surgery at the University of Washington, Seattle. His research interests include necrotizing entercolitis.
 **Graves, William PhD** *Medical College of Wisconsin*	*William Graves, PhD* is a cognitive neuroscientist and postdoctoral fellow in Dr. Jeff Binder's Language Imaging Laboratory, Department of Neurology, at the **Medical College of Wisconsin**. He received his PhD in neuroscience from the University of Iowa in 2006. His research into the neural basis of language production and understanding draws on a variety of techniques, including functional magnetic resonance imaging, computational modeling, and, most recently, magnetoencephalography.

 **Gudausky, Todd MD** *Medical College of Wisconsin*	*Todd Gudausky, MD* is an Assistant Professor of Pediatrics and Internal Medicine at the **Medical College of Wisconsin** in the Sections of Pediatric Cardiology and Cardiovascular Medicine. His primary clinical duties are performing Pediatric and Structural Cardiac Diagnostic and Interventional Catheterizations at Children's Hospital of Wisconsin. He has had an interest in anthracycline induced cardiomyopathy since encountering several patients with this problem during his training. He is interested in testing new biologic markers of cardiac dysfunction in this population to determine if they are useful as early predictors of cardiac dysfunction and if therapeutic interventions in these at risk patients could be of any benefit.
 **Hunter, Sandra PhD** *Marquette University*	*Sandra Hunter, PhD* is an Associate Professor in the Department of Physical Therapy (Exercise Science Program) at **Marquette University**. Her current research program focuses on understanding the sex differences in muscle fatigue, how stress (acute and chronic) can impact neuromuscular function, the causes of neuromuscular fatigue and impairment in neuromuscular function among aged and clinical populations and the effects of exercise and training on brain and muscle function.
 **Johnson, Michelle PhD** *Medical College of Wisconsin* *Marquette University*	*Michelle Johnson, PhD* is Assistant Professor of Physical Medicine and Rehabilitation at the **Medical College of Wisconsin**, and Research Assistant Professor in Biomedical Engineering at **Marquette University**. She specializes in the design, development, and therapeutic use of novel, affordable, intelligent robotic assistants for rehabilitation. She directs the Rehabilitation Robotic Research and Design Laboratory located at the Clement Zablocki VA where she focuses on using robotics to understand arm dysfunction and recovery after brain injury. She has a PhD in Mechanical Engineering with an emphasis in mechatronics, robotics, and design, from Stanford University.
 **Konduri, Ganesh MD** *Medical College of Wisconsin* *Children's Hospital of Wisconsin*	*Ganesh Konduri, MD* is a Professor of Pediatrics and Chief of Neonatology at the **Medical College of Wisconsin** and **Children's Hospital of Wisconsin**. Dr. Konduri is interested in pulmonary vascular biology in the fetus and the neonate and in neonatal pulmonary hypertension. He is also interested in clinical trials and inhaled nitric oxide therapy for pulmonary hypertension.
	*Mingyu Liang, PhD* is Associate Professor of Physiology at the **Medical College of Wisconsin**. His laboratory's research interest in on understanding and integrating multiple aspects and components of physiology. Dr. Liang's current laboratory work is focused on studying renal, cardiovascular, and endocrine physiology and pathophysiology associated with hypertension and diabetes. A variety of complementary approaches are used, including DNS microarrays, proteomics, gene targeting or delivery, and biochemical and functional measurements in whole animals and in cultured cells.

Liang, Mingyu PhD *Medical College of Wisconsin*	
 **Masroor, Saqib MD** *Medical College of Wisconsin*	*Saqib Masroor, MD* is currently an Assistant Professor and the Chief of Robotic Cardiac Surgery at the **Medical College of Wisconsin**. He started his education at the King Edward Medical College in Lahore Pakistan and then received his Master of Health Science at the Johns Hopkins University School of Hygiene in Baltimore Maryland. Dr. Masroor completed his residency in general surgery at the Henry Ford Hospital in Detroit Michigan and his cardiothoracic surgery residency at the University of Miami Hospital and Clinics in Miami Florida. After completing residency Dr. Masroor successfully pursued a fellowship in minimally invasive cardiac surgery at the East Carolina University School of Medicine in Greenville North Carolina. He has an interest in translational research with a focus on atrial fibrillation and coronary artery disease.
 **Mayer, Alan PhD** *Medical College of Wisconsin* *Children's Hospital of Wisconsin*	*Alan Mayer, MD, PhD* is an Assistant Professor of Pediatric Gastroenterology at the **Medical College of Wisconsin** and the **Children's Hospital of Wisconsin**. Dr. Mayer's area of expertise is in intestinal enzymology and the treatment of NEC.
 **Nelson, Philip MD** *Medical College of Wisconsin*	*Philip A. Nelson, MD* is an Assistant Professor of Physical Medicine and Rehabilitation at the **Medical College of Wisconsin**. Dr. Nelsons patient care emphasis includes: electromyography (EMG), spine, and muscular disorders.
 **Nielson, Kristy PhD** *Marquette University* *Medical College of Wisconsin*	*Kristy Nielson, PhD* is an Associate Professor and Chair of Psychology at **Marquette University** and Associate Clinical Professor in Neurology at the **Medical College of Wisconsin**. She principally studies how memories are enhanced or impaired, how aging affects memory, the prediction of dementia and Alzheimer's disease using fMRI and risk factors, and methods to enhance memory, executive functions and motor performance. Her work is supported by various foundations and the National Institute on Aging.

 **Novalija, Jutta MD, PhD** *Medical College of Wisconsin*	*Jutta Novalija, MD, PhD* is an Assistant Professor of Anesthesiology at the **Medical College of Wisconsin**. Dr. Novalija's research focuses on anesthetic preconditioning of the endothelium in humans. She received a mentored FAER award to study effect and mechanism of volatile anesthetic on the endothelium in vivo in 2008. She also was a scholar in the Clinical Research Scholars Program (K30 award) at the Medical College of Wisconsin, Cohort 2007-2009. Dr. Novalija is board certified in Anesthesia and Perioperative Echocardiography. She joined the Medical College of Wisconsin as an Assistant Professor in 2005. Beside her research, she is the Director of the Anesthesia Simulation Program and Medical Director of the Preanesthesia Clinic at the Clement Zablocki VAMC.
 **Osmon, David PhD** *University of Wisconsin - Milwaukee*	*David Osmon, PhD* is a Professor of Psychology at the **University of Wisconsin - Milwaukee**. His central focus of research is the structure of cognition with three current approaches to this issue. The first involves using fMRI to map cortical activation associated with orthographic deficits in people with dyslexia. The second involves determining processing disorders associated with learning disability. The third approach involves experimentally developed chronometric measures that fractionate cognitive functions into their component elements. This work is carried out on various populations, including psychiatric, neurologic, and learning disabled and non-disabled college students and is preclinical in nature, seeking to provide a basis for clinical test development.
 **Pritchard, Kirkwood PhD** *Medical College of Wisconsin*	*Kirkwood Pritchard, PhD* is a Professor of Pediatric Surgery at the **Medical College of Wisconsin**. His laboratory research focuses on determining mechanisms of inflammation in a variety of disease states and development of novel anti-inflammatory agents to treat vascular disease.
 **Prost, Robert PhD** *Medical College of Wisconsin*	*Robert Prost, PhD* is an Assistant Professor of Radiology and Biophysics at the **Medical College of Wisconsin**. He earned his PhD in Biophysics in 1999 under Dr. Shi Jiang Li. Dr. Prost's current research interests include MR Spectroscopy of brain tumors, phosphorus spectroscopy of leg muscle in exercise to assess metabolism and functional imaging.
 **Schindler-Ivens,**	*Sheila Schindler-Ivens, PT, PhD* is an Assistant Professor of Physical Therapy at **Marquette University**. She received her PhD in Rehabilitation Science from the University of Iowa in 2001. Dr. Schindler-Ivens' research aims to understand how the nervous system reorganizes after stroke to restore locomotion and why the extent and quality of this reorganization is often inadequate for restoring sophisticated locomotor activities such as running and walking on uneven surfaces. She and her research team hope to use this information to identify physiological markers of recovery and to develop rehabilitation activities that are more effective than those currently in use.

Sheila PT, PhD *Marquette University*	
 **See, William MD, FACS** *Medical College of Wisconsin*	*William See, MD, FACS* is the Professor and Chair of Urology at the **Medical College of Wisconsin**. Dr. See is a fellowship trained Urologic Oncologist. He provides subspecialty expertise to patients with urologic cancer. His philosophy is that it is his responsibility to educate patients regarding their disease so they can make informed decisions about treatment options. His patient care emphases includes: prostate cancer, urologic oncology, bladder cancer, kidney cancer, and testis cancer.
 **Shi, Yang PhD** *Medical College of Wisconsin*	*Yang Shi, PhD* is an Assistant Professor of Pediatric Surgery at the **Medical College of Wisconsin**. Dr. Shi received her BS degree from Fudan University and PhD from Hunan Medical University in China. Dr. Shi's Laboratory investigates molecular and cellular mechanisms of cardio-protection against ischemia reperfusion injury. Her research program is related to cardiovascular physiology focusing on nitric oxide biosynthesis and NOS function.
 **Szabo, Sara PhD** *Children's Hospital of Wisconsin*	*Sara Szabo, MD, PhD* is a staff Pathologist at the **Children's Hospital of Wisconsin** with primary clinical responsibilities in general pediatric pathology and placental pathology, teaching and educational coordination responsibilities in resident training, and administrative responsibilities in quality management and patient safety. Her research interests include placental pathology and maternal-fetal medicine and vascular anomalies.
 **Tower, Richard MD** *Medical College of Wisconsin*	*Richard Tower, MD* is an Assistant Professor of Pediatric Oncology at the **Medical College of Wisconsin**. Dr. Tower attended Medical School at the University of Wisconsin-Madison and his Pediatrics residency at Riley Hospital for Children in Indianapolis, Indiana (this is the pediatric residency program for Indiana University). Dr. Tower did his fellowship in Pediatric Hematology/Oncology/BMT at the University of Minnesota, where he also obtained a Masters in Clinical Research. Dr. Tower joined the faculty at MCW in 2007. His research interests are in leukemia and late effects of chemotherapy.
	*Hariprasad Trivedi, MD* is an Associate Professor of Medicine - Nephrology at the **Medical College of Wisconsin**. His patient care emphases includes: electrolyte, acid base and calcium disorders, hypertension, elevated serum creatinine or low GFR (CKD), glomerulonephritis, proteinuria / hematuria, diabetic kidney disease (Nephropathy), and cystic disease of the kidney.

Trivedi, Hariprasad MD *Medical College of Wisconsin*	
 **Wang, Jinsung PhD** *University of Wisconsin - Milwaukee*	*Jinsung Wang, PhD* is an Assistant Professor of Human Movement Sciences at the **University of Wisconsin-Milwaukee**. In his research, Dr. Wang attempts to delineate the neural mechanisms that underlie hemispheric lateralization and interlimb transfer of motor control and learning. He often investigates the pattern of interlimb transfer following adaptation to novel sensorimotor environments during visually guided reaching movement. Dr. Wang is also interested in investigating other issues of motor control/learning which include observational learning, handedness, the effect of perception on motor learning, etc.