

Vascular Biologist Joins Medical College Faculty



Qing (Robert) Miao, Ph.D., has been appointed assistant professor of pediatric surgery and assistant professor of pediatric pathology at the Medical College of Wisconsin. He will be based at the Children's Research Institute.

Dr. Miao comes to the Medical College from the Yale University School of Medicine in New Haven, Conn., where he was an associate research scientist in the department of pharmacology. He was awarded the Merit Award for Young Investigators by the American Heart Association in 2006, and a four-year Scientist Development Grant in 2007.

His research interests include studying the biological functions and molecular mechanisms of a new pair of ligand receptors in regulating stem cell differentiation, primitive blood vessel formation during embryo development and postnatal blood vessel formation in tumors and other vascular diseases. Ligands are proteins that can bind to receptors on cell surfaces to pass signals that regulate cell functions.

Nogo-B, a newly identified protein ligand, has been shown as an important factor in modulating endothelial cell migration and restricting the progression of vascular lesions. At Yale, he identified a new receptor (NgBR) that mediates the biological functions of Nogo-B in regulating blood vessel formation.

Dr. Miao completed a postdoctoral fellowship at Yale in 2006. He served at the Dalian Institute of Chemical Physics in China as an assistant professor from 1995 to 1996, and he was awarded a patent for his finding of new catalysts in natural gas utilization in 1999.

Dr. Miao has authored or co-authored 27 journal articles. He received Ph.D.'s in biochemistry and molecular biology from the Medical University of South Carolina in Charleston in 2002, and in physical chemistry from the Dalian Institute of Chemical Physics in 1995. He received his bachelor of science in chemistry from Zhejiang University in Hangzhou, China in 1990.