Muscle-Neuron Crosstalk in ALS

Dr. Jingsong Zhou earned a diploma in medicine at Hunan Medical University (Xiangya School of Medicine), China. She went on complete a PhD in physiology and biophysics at Chicago’s Rush University before undertaking postdoctoral training in the Division of Clinical Pharmacology at Vanderbilt University from 1997 to 2000. Following her postdoctoral studies, she returned to Rush University as a faculty member until 2014. She now serves as a professor at Kansas City University of Medicine and Biosciences.

Her research interests focus on the role of skeletal muscle in neuromuscular disease and how the crosstalk between muscle, neurons and other organs contributes to the progression of neuromuscular diseases, such as amyotrophic lateral sclerosis. Her team develops novel molecular tools and animal models to define the role of Ca2+ signaling and mitochondrial function in health and diseases. The mechanisms controlling this signaling represent critical points at which many cellular phenomena can be modulated. This work is clinically important because it defines potential sites for pathological failure and therapeutic intervention.

3 p.m. January 26, 2015
Adams Conference Center
University of Missouri
College of Veterinary Medicine

This lecture is presented in cooperation with Kansas City University of Medicine and Biosciences.