Dr. Jung Han Kim is tenured professor in the Department of Biomedical Sciences (Pharmacology, Physiology and Toxicology) at Marshall University School of Medicine. She holds a Ph.D. degree in Nutritional Sciences from the University of Tennessee-Knoxville (UTK) and completed a postdoctoral training in Genetics at The Jackson Laboratory in Bar Harbor, ME. Prior to joining Marshall University, she was assistant professor then tenured associate professor at UTK. She has been leading a funded genetics and obesity research, with emphasis on positional cloning of obesity genes, diet-gene interactions and pathogenesis of obesity and type 2 diabetes using animal models. Her research has been funded by federal agencies and foundations including NIH (R01), AHA (SDG) and ADA. Dr. Kim’s seminar will describe recent findings on the susceptibilities to obesity and type 2 diabetes in a polygenic mouse model for human metabolic diseases.