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Yong Xu, MD, PhD, received his medical training in Tongji Medical University (China) and then PhD training in University of Alberta (Canada). After a postdoctoral training at the University of Texas Southwestern Medical Center (Dallas), he established his own research program at Baylor College of Medicine in 2010 and is currently Professor of Pediatrics and Molecular & Cellular Biology. The major goals of Dr. Xu's lab are to identify the novel neural circuits, neurotransmitters and intracellular molecules in the brain that are critical for control of metabolism and metabolism. The Xu lab uses genetic mouse models, in combination of the chemogenetics/optogenetics, fiber photometry, electrophysiology and neuroanatomy, to establish the physiological relevance of specific neural networks in the regulation of energy/glucose balance and behaviors.