

Biographical Information on Dr. Xiaoqiang Wang

Dr. Xiaoqiang Wang is associate Professor and head of the structural biology laboratory in the Plant Biology Division, Samuel Roberts Noble Foundation.

He received his Bachelor's degrees in Chemistry from Wuhan University, China, and Ph.D. in Crystallography/Molecular Biology from Institute of Biophysics, Chinese Academy of Sciences, and postdoctoral training in Structural Biology at University of Manchester (UK), Oklahoma Medical Research Foundation, and National Institute of Environmental Health Sciences (NIEHS)/National Institutes of Health (NIH). He has been working in structural biology area and published over 20 papers in the prestigious journals such as *Science*, *Cell*, *Molecular Cell*, *Nature Structural Biology*, *PNAS*, *Plant Cell* etc.

His current research interests are structural studies of plant proteins including enzymes involved in the biosynthesis of the important plant natural products and nucleic acid binding proteins involved in gene regulation. His lab is working on three types of enzymes involved in plant natural product biosynthesis, including glycosyltransferases, reductases, and cytochrome P450s. They have determined crystal structures of several key enzymes to elucidate the molecular basis of the biosynthesis of plant natural products and explore enzyme engineering for synthesis of novel bioactive natural products with implications for improving plant, animal and human health.