

W. Andy Tao, PhD: Prof. W. Andy Tao leads an active research group focusing on new developments in proteome analyses using systems biology approaches. He received his mass spectrometry training through his dissertation work on gas-phase chiral analysis in the Aston Lab at Purdue University, headed by Dr. R. Graham Cooks. After receiving his Ph.D. in December 2001, he became a Damon Runyon Postdoctoral Fellow in the Institute for Systems Biology at Seattle, under the supervision of Drs. Leroy Hood and Ruedi Aebersold. He started his own research group in the Department of Biochemistry at Purdue University in 2005, and currently is Professor in ranking. He has served on multiple committees, including ASMS Education Committee (2010-2012), ASMS graduate award committee (2017-2019), HUPO Awards Nomination Committee (2018-2020), and was the president of Chinese American Society for Mass spectrometry (2017-2019).

Current research in the lab of Dr. W. Andy Tao lab focuses on developing novel chemistry to solve important biological questions, with a special emphasis on characterizing proteins involved in signaling transduction and diseases using state-of-the-art analytical tools.