# Speaker Bio

**Dr. Chien-Yu Chen** is a professor of Biomechatronics Engineering, National Taiwan University. She received her PhD in Computer Science and Information Engineering from National Taiwan University in 2003. Prior to that, she received the B.S. and M.S. degrees in Electrical Engineering from National Taiwan University (1996) and Stanford University (1998), respectively. Her research interests include Bioinformatics, machine learning, and gene regulation. Her lab develops computational methods to solve biological problems with genomic, transcriptomic, or epigenomic data. One of her main research interests is to annotate the human genome by building machine learning and deep learning models for predicting variant pathogenicity, functional regions (e.g. enhancer, TFBS, eQTL, etc) and their sequence effect. Recently, she and her collaborators just built a variant database named TaiwanGenomes and released some polygenic risk score (PRS) models for studying Taiwanese genetic data.