

Speaker Bio

Dr. Jacob Shu-Jui Hsu received his Ph.D. in Psychiatry, Center of Genome Sciences, from the University of Hong Kong. He has a deep understanding of human genomics/genetics and molecular biology, and specializes in developing analytic pipelines to investigate genetic pathogenicity for human diseases, including late-onset neurological disorders, congenital abnormalities, and sensorial disorders. He is also adept at prioritizing risk variants from disease-oriented NGS data using machine learning algorithms. His current research focuses on human genome structural variant detection, mitochondrial DNA variation, and variant interpretation, utilizing advanced genomic technologies.