

Speaker Bio



Yen-Hua Huang, M.D., Ph.D. is an Associate Professor at the Institute of Biomedical Informatics, National Yang Ming Chiao Tung University (NYCU), Taiwan. He received his M.D. from National Yang-Ming University and subsequently pursued graduate training in biochemistry and computational genomics. He received his Ph.D. from the University of Cambridge, with research training associated with the Wellcome Sanger Institute in the United Kingdom.

Dr. Huang's research focuses on biomedical informatics, computational genomics, and artificial intelligence for biomedical and clinical applications. His laboratory develops computational approaches for integrating heterogeneous biomedical data, including genomic and transcriptomic profiles, single-cell omics, microbiome data, clinical information, and medical images. A major focus of his research is the application of machine learning and deep learning to disease prognosis and clinically relevant risk prediction.

His recent work includes deep learning approaches for kidney ultrasound analysis, multimodal prediction of chronic kidney disease progression, cancer prognosis modeling using genomic and transcriptomic data, gene regulatory network analysis, and computational modeling of the human microbiome. His research aims to bridge methodological developments in bioinformatics and artificial intelligence with practical problems in biomedical research and precision medicine.

