

CV of Invited Faculty



Hsin-Chou YANG

Position	Research Fellow and Director	
Department, Affiliation	Institute of Statistical Science, Academia Sinica	
Major Field	Big data analytics for precision medicine and smart health	
Professional Activities: (Career or membership)	2018.01 – Present	Research Fellow. Institute of Statistical Science, Academia Sinica
	2013.06 – Present	Member of the Institution Review Board (IRB) of the National Health Research Institute
	2021.08 – Present	Joint Research Fellow. Biomedical Translation Research Center, Academia Sinica
	2022.01 – Present	Member of the Board of Directors and Association Affairs Chair of the Chinese Institute of Probability and Statistics
	2022.02 – Present	Contract Research Fellow. Taipei Veterans General Hospital
	2022.06 – Present	Member of the Review Board of the National Biobank Consortium of Taiwan
	2023.07 – Present	Director. Institute of Statistical Science, Academia Sinica
	2023.07 – Present	Ex Officio Member of the Council, Academia Sinica
	2023.07 – Present	Co-Chair. Data Science Program, Degree Program, Academia Sinica & National Taiwan University
	2023.07 – Present	Chair. Academic Committee, Chinese Statistical Association (Taiwan)
	2023.07 – Present	Executive Director. Chinese Statistical Association (Taiwan)

Short Bio (in 150 words):

Dr. Hsin-Chou Yang is a statistician, bioinformatician, and data scientist with expertise in analyzing big data in response to real-world questions, particularly for life and biomedical sciences. His research focuses on: (1) developing novel statistical and AI methodologies and data analysis tools for medical imaging and multi-OMICS data; (2) answering practical biological and biomedical issues in precision health, smart health, and emerging infectious diseases through close collaborations with clinicians, epidemiologists, biologists, and geneticists. Dr. Yang's recent work, published in PNAS, enhanced our understanding of SARS-CoV-2 and COVID-19 control. His research in Nature Communications established an AI model integrating genetic and imaging data for T2D risk assessment. Dr. Yang supports the editorial service for five international journals. He has regularly provided review services for grant proposals, academic awards, and faculty recruitment and promotion applications. He has handled >100 paper submissions and reviewed >110 papers for >60 international journals.

***The information will be shown on the website and conference materials only.**