

Speaker Bio



Dr. Emily Chia-Yu Su is a Professor at the Institute of Biomedical Informatics, College of Medicine, National Yang Ming Chiao Tung University, and an Adjunct Professor at Taipei Medical University. She earned her Ph.D. in Bioinformatics from the Taiwan International Graduate Program, Academia Sinica, in collaboration with National Chiao Tung University, following an M.S. in Computer Science from National Taiwan University and a B.S. from National Taiwan Normal University.

Dr. Su's academic career spans over 15 years, during which she has held key faculty positions at Taipei Medical University, including Professor, Associate Professor, and Assistant Professor at the Graduate Institute of Biomedical Informatics. She has also served as Director and previously Secretary-General of the Taiwan Association for Medical Informatics, reflecting her leadership in advancing medical informatics in Taiwan. Internationally, she gained research experience as a Visiting Scientist at the U.S. National Institutes of Health.

Her research interests integrate medical informatics, machine learning, natural language processing, computational biology, and clinical decision support. She has made significant contributions to areas such as epidemic prediction, precision medicine, vaccine impact modeling, and maternal-fetal health, producing over 70 SCI-indexed journal papers in leading journals such as *eBioMedicine*, *iScience*, *Journal of Medical Internet Research*, and *Computers in Biology and Medicine*. Notably, her collaborative work in the DREAM Placenta Clock Challenge and her studies on preeclampsia, infectious diseases, and COVID-19 have drawn international recognition.

Dr. Su has an extensive record of mentoring students and postdoctoral researchers, receiving awards such as the Ministry of Education Teaching Practice Research Program Excellent Award and multiple Teaching Excellence Awards at Taipei Medical University. She also holds certification in English-Medium Instruction (EMI) skills from Cambridge English and Oxford English, underlining her commitment to internationalized education.

Her service to the scientific community includes roles as Academic Editor for *BMC Medical Informatics and Decision Making* and *BMC Personalized Medicine*, reviewer for high-impact journals including *NPJ Viruses*, *Scientific Reports*, and *Bioinformatics*, and program committee member for international conferences such as ISBRA, APAMI, and MedInfo. She has delivered numerous invited talks on artificial intelligence in biomedical informatics across academic, clinical, and educational institutions.

With expertise spanning computer science and health informatics, Dr. Su bridges technical innovation with clinical relevance. Her contributions exemplify the integration of advanced analytics into public health and healthcare applications, fostering Taiwan's competitiveness in digital health and precision medicine.

