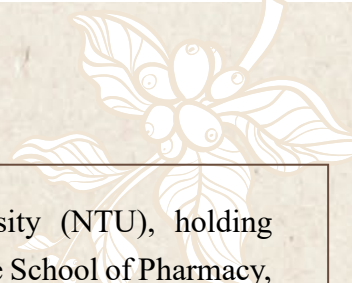


Speaker Bio



Professor Yufeng Jane Tseng is a faculty member at National Taiwan University (NTU), holding appointments in the Department of Computer Science and Information Engineering, the School of Pharmacy, and the Graduate Institute of Biomedical Electronics and Bioinformatics. She received her B.S. degree in Pharmacy from NTU and her Ph.D. in Medicinal Chemistry and Pharmacognosy from the University of Illinois at Chicago (UIC), where she was awarded the Charles Bell Award for Computational Chemistry. Prior to joining NTU, Professor Tseng worked as a Principal Molecular Modeling Software Developer at The Chem21 Group, Inc. and later as a Postdoctoral Research Fellow at the National Institutes of Health in Bethesda, Maryland.

Since joining NTU in 2006, Professor Tseng has devoted nearly two decades to advancing education, research, and innovation in computational chemistry, computer-aided drug design, and AI-assisted biomedical discovery. She established the Metabolomics Core Laboratory at NTU in 2009 and has played a leading role in building interdisciplinary research capacity across computer science, engineering, and biomedical sciences. Internationally, she has served as an organizer and chair of the Drug Discovery Symposium at the American Chemical Society National Meetings since 2010 and continues contributing to the field through scientific leadership and community engagement.

Professor Tseng's research accomplishments have been widely recognized through major awards, including the IBM Faculty Award (USA), the ACS Innovation Award, the ACS ChemLuminary Award, the Taipei Biotech Awards, multiple National Bio-Innovation Awards, and recognition among the world's top 0.5% most influential scientists. She has published over 100 peer-reviewed journal articles, 7 book chapters, more than 80 conference papers, and holds over 30 international patents, demonstrating her strong influence and leadership in computational drug development and translational research.

Her work in AI-driven drug discovery has led to promising developments in therapeutic innovation, particularly in central nervous system and cardiovascular diseases. Beyond academia, Professor Tseng plays a critical role in bridging research and industry. Since 2017, she has served as Director of SPARK Taiwan, part of the global Stanford-based SPARK network, then also was appointed the Chairman of the Asia SPARK Regional Committee and Global SPARK Executive Committee in 2018. In this capacity, she fosters collaboration among academic researchers, clinicians, investors, and industry partners to accelerate biomedical innovation and advance patient-oriented therapeutic solutions internationally.

Professor Tseng continues to lead interdisciplinary, high-impact research and actively supports the next generation of innovators in biomedical and computational sciences.