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**Education**

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| 1992-1994 | Master, Computer Science, National Central University, Taiwan |
| 1994-2001 | Ph.D., Computer Science, National Taiwan University, Taiwan |

Research and Professional Positions Held in Chronological Sequence

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| 2001-2004 | Assistant Professor of Institute of Bioinformatics and Systems Biology,
National Chiao Tung University |
| 2004-2007 | Associate Professor of Institute of Bioinformatics and Systems Biology,
National Chiao Tung University |
| 2007-2013 | Director/Professor of Institute of Bioinformatics and Systems Biology,
National Chiao Tung University |
| 2016-present | Editorial Board of PLoS ONE |
| 2016-present | Editorial Board of Scientific Reports |
| 2017-present | Professor of Department of Biological Science and Technology, National Yang
Ming Chiao Tung University |
| 2020-present | Dean of College of Biological Science and Technology, National Yang Ming
Chiao Tung University |

Research Interests

We have extensively explored new models of computational systems biology and computer-aided drug design to study fundamental theories of molecular interactions (e.g., Molecular Interaction Family) in cells. Our goal is to study drug-protein-pathway-cellular processes-disease relationships, and to establish the links from basic research to translational medicine. To achieve these goals, our team has been committed to integrate artificial intelligence, big data, physico-chemical concepts, and biology for exploring relationships among "molecular interactions", "cell behavior" and "drug discovery principles". To validate our models, we have rigorously collaborated with biological/clinical teams and their bioassay/clinical results support and demonstrate that our models are able to address the challenges and achieve our goals. We have continuously collaborated with researchers from various universities and institutes like NHRI, Academic Sinica, research hospitals (e.g., NTUH, TMU, and KMU) and international institutes (e.g., Kyoto University and Harvard University) for resolving unmet clinical needs and important biological issues.

Major Honors and Awards

- 2007 The Fifth National Innovation Award.
- 2009-2013 Executive Director (常務理事), Taiwan Bioinformatics and Systems Biology Society.
- 2009-2014 Outstanding research awards, National Chiao Tung University. (6 times)
- 2014 Best paper award, The 13th International Conference on Bioinformatics.
- 2018 科技部未來科技突破獎
- 2020 中國工程師學會傑出工程教授獎
- 2020 第三十屆王民寧獎- 藥學類傑出貢獻獎
- 2021 第十九屆有庠科技講座 生技醫藥類
- 2022 科技部傑出研究獎