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**Education**

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| 1996-1999 | Ph.D. in Chemical Engineering, University of Maryland, College Park, MD. |
| 1993-1996 | MS in Chemical Engineering, University of Maryland, College Park, MD.    |
| 1988-1992 | BS in Chemical Engineering, National Taiwan University, Taipei, Taiwan.  |

**Research and Professional Positions Held in Chronological Sequence**

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| 2013–2016    | Chairman, Department of Chemical Engineering, National Tsing Hua University                  |
| 2015–present | Deputy Editor, Journal of Taiwan Institute of Chemical Engineers (IF 5.477)                  |
| 2016–2019    | Meeting committee member, TERMIS-AP Council  |
| 2016–2019    | Vice President, Biotechnology and Biochemical Engineering Society of Taiwan, BEST            |
| 2018-2020    | Coordinator, Chemical Engineering Division, Ministry of Science and Technology               |
| 2019         | Co-Chair, Division of Tissue Engineering and Biomaterials, Asian Federation of Biotechnology |
| 2022–present | Vice Dean, College of Engineering, National Tsing Hua University                             |
| 2022-present | Vice President, Asian Federation of Biotechnology (AFOB)                                     |

**Research Interests**

1. Gene therapy
2. Cell and tissue engineering
3. Vaccine development
4. Biomaterials
5. Synthetic biology, metabolic engineering and biorefinery

**Major Honors and Awards**

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| 2004 | Outstanding Young Investigator Award (National Tsing Hua University)                               |
| 2006 | Wu Ta-Yu Memorial Award (National Science Council)   |
| 2007 | Outstanding Research Award, National Science Council   |
| 2007 | Ten Outstanding Young Persons Award (only 1-2 recipients in the Science/Education field in Taiwan) |
| 2009 | Outstanding Teaching Award (College of Engineering, National Tsing Hua University)                 |
| 2010 | Most Highly Cited Paper Award, Acta Pharmacol. Sin.  |
| 2011 | Fellow, American Institute for Medical and Biological Engineering                                  |
| 2011 | Asia Research Award, Society of Chemical Engineers, Japan  |

- 2011 Professor Tsai-Teh Lai Award, Taiwan Institute of Chemical Engineers
- 2012 Outstanding Young Scholar Project, National Science Council
- 2014 Outstanding Academic-Industry Collaboration Award, College of Engineering,  
National Tsing Hua University
- 2014 Outstanding Academia-Industry Research Award, National Tsing Hua  
University
- 2014 Outstanding Research Award (Ministry of Science and Technology
- 2016 BEST Biochemical Engineering Achievement Award (Biotechnology and  
Biochemical Engineering Society of Taiwan, BEST)
- 2017 LCY Foundation Outstanding Research Professor Award
- 2018 Future Technology Award, MOST
- 2018 科技部 特約研究計畫
- 2019 第 16 屆國家新創獎 學研新創獎 National Innovation Award
- 2019 台灣化工學會 金開英獎
- 2020 台灣化工學會 毛高文教授獎
- 2020 Fellow Biomaterials Science and Engineering (FBSE), International Union of  
Societies for Biomaterials Science and Engineering