

VITA

Chung-Hsuan Chen (陳仲瑄)

Education:

National Taiwan University	1965-1969 B.S. in Chemistry
The University of Chicago	1970-1971 M.S. in Chemistry
The University of Chicago	1971-1974 Ph.D. in Chemistry

Employment:

1974-1989	Research Staff Member, Oak Ridge National Laboratory
1989-2005	Leader, Photophysics Group, Oak Ridge National Lab.
1993-2005	Senior Research Scientist, Oak Ridge National Lab.
2005- 2006	Research Fellow & Key Technology Division Head, Genomics Research Center; Academia Sinica
2006	Deputy Director, Genomics Research Center, Academia Sinica
2006-2007	Distinguished Research Fellow and Acting Director; Genomics Research Center; Academia Sinica
2007- 2017	Director; Genomics Research Center, Academia Sinica
1990-2005	Adjunct Professor at Vanderbilt University (Department of Physics & Astronomy)
1993-2005	Adjunct Professor, University of Tennessee, Knoxville (Physics Department)
2006-2018	Adjunct Professor, Chemistry Department, National Taiwan University

2006- 2018	Adjunct Distinguished Research Fellow; Institute of Atomic & Molecular Sciences; Academia Sinica
2006	Chair; Mass Spectrometry Instrumentation Committee; Sinica
2006- present	Board Member; Taiwanese Society of Mass Spectrometry
2006	Council Member of Science Education in Department of Education in Taiwan
2007- 2011	Council Member of National Research Program of Genomic Medicine in National Science Council
2007- 2017	Council Member of Academia Sinica
2011-2017	Director, National Research Program for Biopharmaceuticals(NRPB), Resource Center and National Core Facility for Biotechnology Office
2012- 2018	Adjunct Professor, Department of Bio-industrial Mechatronics Engineering, National Taiwan University
2018-present	Distinguished Visiting Chair; Academia Sinica
2018-Present	Honorary Chair; National Cheng Kung University
Consultant	Applied BioSystem Inc.(1993~2005); Atom Sciences Inc.(1987~2005); Sci-Tec Inc. (2002~2005); Acromass Inc. (2011~2017)

Current Research Projects:

- (1) Novel Mass Spectrometry Development
- (2) Mass spectrometry for cancer biomarker search
- (3) Innovative nano-particle array technology development
- (4) Laser trapping Raman spectroscopy for single cell reaction dynamics
- (5) Nanoparticle assisted ultrasound cancer therapy

Awards & Honors:

Fellow; American Physical Society (1995)

IR-100 (100 Most Important Inventions of the Year) Awards: 3

- (1) Rare Gas Atom Counter (1984)
- (2) Crystal Laser Monitor (1987)
- (3) Freon Ratiometer (1992)

Health and Safety Research Division Excellence in Research Award (1991)

Editorial Board: Rapid Communication of Mass Spectrometry (1995),
Nanomedicine (2009)
Proteomes (2012)
Journal of Translational Proteomics Research (2014)
Journal of Analytical & Bioanalytical Techniques (2014)
Research Journal of Environmental Sciences (2015)
Clinical Proteomics and Bioinformatics Journal (2015)

Honorary Professor: Tsing Hua University, Beijing (1996)

Outstanding Scholar Award (2005)

Academia Sinica Investigator Award :(2006)

Department of Education Advisory Board (2006)

NSC Genome Research Advisory Board (2006)

International Scientist of the Year (2007)

Fellows of the American Association for the Advancement of Science (AAAS) (2009)

Academician, Academia Sinica, 2010

Patents:>40

Start-up companies formed due to technology transfer: 2

(1) Portable Biological Mass Spectrometer (Acromass Inc. 2010)

(2) Single Atom Detection (Atom Science Inc. 1984)

Publication: >300 in referred journals

Presentation and invited Speeches: >250