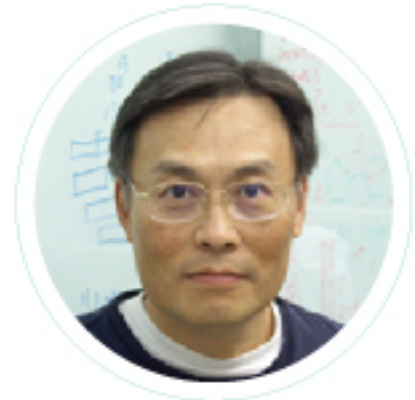


Speaker

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Antibody-Drug Conjugates Developed with Phage-Displayed Synthetic Antibody Libraries and High Throughput Functional Assays

Education :

- 1987 Ph.D. Chemistry, The Johns Hopkins University, Baltimore, MD.
- 1988 M. S. Chemistry, The Johns Hopkins University, Baltimore, MD.
- 1979 B. S. Chemistry, National Tsing Hua University, Taiwan.

Positions and employment :

- 2018 - Division director of the Physical and Computational Genomics division, Genomics Research Center, Academia Sinica.
- 2010 - Research Fellow, Genomics Research Center, Academia Sinica.
- 2007 - 2016 Deputy Director, Genomics Research Center, Academia Sinica.
- 2004 - 2010 Associate Research Fellow, Genomics Research Center, Academia Sinica.
- 2000 - 2004 Assistant Professor, Department of Pharmacology and Columbia Genome Center, Columbia University.
- 1999 - 2000 Research Scientist, Columbia Genome Center, Genomics Informatics Section, Columbia University.
- 1997 - 2000 Research Scientist, Department of Biochemistry and Molecular Biophysics, Columbia University.
- 1991 - 1997 Associate Research Scientist, Department of Biochemistry and Molecular Biophysics, Columbia University.
- 1988 - 1991 Postdoctoral Research Scientist, Department of Biochemistry and Molecular Biophysics, Columbia University.
- 1987 - 1988 Postdoctoral Research Associate, Department of Physics, University of Virginia.

Research description :

Our research directions are aiming at understanding biological functions of natural antibody repertoires and innovating antibody/protein design and engineering technologies; Our lab has implemented phage-based protein display systems in connection with computational and bioinformatics methodologies harnessing the power of rapidly expanding computing capabilities and high throughput experimental technologies for antibody/protein engineering and design. The goal is to develop antibody-based molecules for important biomedical applications. The works from our group can be found in

[<https://scholar.google.com.tw/citations?user=YBoSfnAAAAAJ&hl=en>].