

Chai-Lin Kao Ph. D.

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Dr. Chai-Lin Kao currently holds a Professor position and serves as acting chairman at the Department of Medicinal and Applied Chemistry, Kaohsiung Medical University (KMU). He developed a solid-phase synthetic method to prepare pure dendrimers and functional peptides in a short timeframe and with less effort. He published 20 publications and files three patents in the past five years.

EDUCATION

Ph. D. 1994 -2001: School of Pharmacy, National Taiwan University

B. Sc.: 1987-1991 Department of Chemistry, National Taiwan University

POSITIONS HELD

Since 2019 Oct. Acting Chairman, Department of Medicinal and Applied Chemistry, KMU

Since 2018, Professor: Department of Medicinal and Applied Chemistry, KMU

2011-2018, Associate Professor: Department of Medicinal and Applied Chemistry, KMU.

2005-2011, Assistant Professor: Department of Medicinal and Applied Chemistry, KMU.

2002-2005, Postdoctoral Fellow: College of Pharmacy, the University of Texas at Austin,

Honors

Asia core program lectureship-HongKong-2018

Asia core program lectureship-Malaysia-2018

2014-2017, Excellent young researcher award, Ministry of Science and Technology, Taiwan

2019 KMU outstanding research paper award

Selective publications in the past five years

1. Tang, Y.-H.; Hsu, S.C.N.; Chen, P.-Y.; Liou, S.-T.; Chen, H.-T.; Wu, C. -Y.; Kao, C.-L*. Importance of Binding Affinity for the Activity of a Metallodendritic Chemical Nuclease. *Pharmaceutics* 2018, 10, 258.
2. Tsai, C.-H.; Tang, Y.-H.; Chen, H.-T.; Yao, Y.-W.; Chien, T.-C.*; Kao, C.-L.* A selective glucose sensor: cooperative effect by monoboronic acid-modified poly(amidoamine) dendrimers. *Chem. Commun.* 2018, 54, 4577-4580
3. Selvaraj, A.; Chen, H.-T.; Huang, A. Y.-T.; Kao, C.-L.*; Expedient on-resin modification of a peptide C-terminus through a benzotriazole linker. *Chem. Sci.*, 2018, 9, 345–349
4. Tang, Y.-H.; Cangiotti, M.; Kao, C.-L.*; Ottaviani, M. F.* EPR Characterization of Copper(II) Complexes of PAMAM-Py Dendrimers for Biocatalysis in the Absence and Presence of Reducing Agents and a Spin Trap. *J. Phys. Chem. B*, 2017, 121 (46), pp 10498–10507.
5. Kao, C.-L.*; Huang, Adela, Y.-T.; Chen, H.-T. Solid-phase synthesis of a seventh-generation inverse poly(amidoamine) dendrimer: importance of the loading ratio on the resin. *Macromole. Rapid Commun.* 2017, 38 (DOI: 10.1002/marc.201700062)