



➤ **Speaker Name:** Lee, Yu-Hsiang (李宇翔)

➤ **Current Position**

Distinguished Professor  
National Central University, Department of Biomedical Sciences and Engineering

➤ **Education & training**

- Ph. D. University of Southern California (USA), Department of Chemical Engineering
- M.S. University of Southern California (USA), Department of Chemical Engineering
- B.S. Tunghai University (ROC), Department of Chemical Engineering

➤ **Professional experience**

- NCU College of Health Sciences & Technology, Associate Dean (2020 - 2023)
- NCU Dept. Biomedical Sciences & Engineering, Professor (2019 - )
- NCU Dept. Biomedical Sciences & Engineering, Associate Professor (2014 – 2019)
- NCU Graduate Institute of Biomedical Engineering, Assistant Professor (2010 – 2014)
- UCLA Dental Research Institute (USA), Postdoctoral Fellow (2008 – 2010)
- Sierra Sciences LLC, Cell Biology Division (USA), Research Scientist (2006 – 2008)

➤ **Honor/Awards**

- NCU Distinguished Professor Award / 2022-2024
- NCU Outstanding Research Award / 2019, 2020, 2021

➤ **Biography Brief**

Dr. Yu-Hsiang Lee received his B.S. degree from Ch.E./Tunghai University in 1998, M.S. degree from Ch.E./University of Southern California (USA) in 2002, and Ph.D. from Ch.E./University of Southern California (USA) in 2006. He held the research scientist position from 2006 to 2008 in a biotech company at Reno, NV, USA right after receiving Ph.D. degree, where he led drug discovery projects regarding telomerase-activated compounds for curing aging-related diseases. Afterward, he joined UCLA Dental Research Institute as a postdoctoral fellow from 2008 to 2010, where he worked on multiple salivary transcriptomic biomarkers discovery projects for early diagnosis of ovarian/oral/lung cancers and type II diabetes. He took the faculty position as an Assistant Professor in Graduate Institute of Biomedical Engineering at National Central University (NCU) since 2010 and was promoted to Associate Professor and professor in 2014 and 2019, respectively. Currently he is a Distinguished Professor (2022-) in Dept. Biomedical Sciences & Engineering at NCU. Now his research interests are focused on 1) nanomedicine for cancer & bacterial infection therapies, 2) hydrogel-based biomaterials for chronic wound healing, 3) photobioreactor engineering for enhanced microalgae cultivation and production, and 4) mechanotransductional biology for vascular & tumor microenvironmental studies.

➤ **Selected Publications**

- [1]. **Lee Y-H\***, Pham U.N.T. *Chemical Engineering Journal*. 2023; 460: 141819. (SCIE)
- [2]. Lin Y-J, Chang Chien B-Y, **Lee Y-H\***. *European Polymer Journal*. 2022; 175: 111364. (SCIE)
- [3]. **Lee Y-H\***, Lin S-J. *Pharmaceutics*. 2022; 14: 537. (SCIE)
- [4]. **Lee Y-H\***, Kuo P-W, Chen C-J, Sue C-J, Hsu Y-F, Pan M-C\*. *Pharmaceutics*. 2021; 13(9): 1499. (SCIE)
- [5]. **Lee Y-H\***, Chiu C-C, Chang C-Y. *Biomaterials Science*. 2021; 9: 1739-1753. (SCIE)
- [6]. **Lee Y-H\***, Hong Y-L, Wu T-L. *Mater. Sci. Eng. C-Mater. Biol. Appl.* 2021; 118: 111385. (SCIE)