

## 李政怡教授

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## Education and Experiences

**B. S.**, Chemistry, National Tsing Hua University, Taiwan

**M. S.**, Chemistry, National Tsing Hua University, Taiwan

**Ph. D.**, Chemistry, Yale University, USA

**Post-Doctoral Associate**, Medical Biotechnology Center, University of Maryland Biotechnology Institute, USA

**Assistant Professor**, Life Science, National Chung Cheng University, Taiwan

**Associate Professor**, Life Science, National Chung Cheng University, Taiwan

**Associate Professor**, Biomedical Sciences, National Chung Cheng University, Taiwan

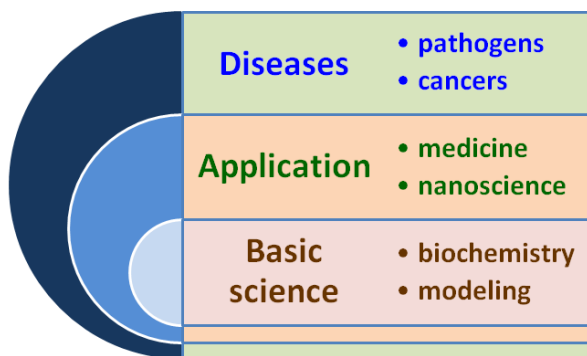
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## Biography

Dr. Cheng-I Lee has completed her PhD from Yale University in USA and her postdoctoral study from Biomedical Research Center in University of Maryland in USA. She has strong interest in interdisciplinary studies. She started her independent research in National Chung Cheng University in 2007. She works on misfolding of amyloid proteins, such as prion and beta amyloid. Recently, she starts working on phytochemical treatment and photo-induced therapies on tumors and *Candida* species. Nanotechnology has been applied in the studies of photo-induced therapies.

## Research interests

- ✧ Photo-induced therapy
- ✧ Protein misfolding
- ✧ Application of phytochemicals



## **Selected publication**

1. Wen-Hsuan Tsai, Kun-Hua Yu, Yi-Cheng Huang and **Cheng-I Lee\***, “EGFR-targeted photodynamic therapy by curcumin-encapsulated chitosan/TPP nanoparticles” *International Journal of Nanomedicine* (2018) **13**, 903-916 (doi: 10.2147/Ijn.S148305).
2. Yi-Hsuan Hsieh, Wen-Ching Chuang, Kun-Hua Yu, Cheng-Ping Jheng and **Cheng-I Lee\***, “Sequential Photodynamic Therapy with Phthalocyanine Encapsulated Chitosan-Tripolyphosphate Nanoparticles and Flucytosine Treatment against *Candida tropicalis*” *Pharmaceutics* (2019) **11**, 16 (doi: 10.3390/pharmaceutics11010016).
3. Yi-Hsuan Hsieh, Jun-Hui Zhang, Wen-Ching Chuang, Kun-Hua Yu, Xian-Bin Huang, Yao-Chang Lee and **Cheng-I Lee\***, “An *in Vitro* Study on Effect of Combined Treatment with Photodynamic and Chemical Therapies on *Candida albicans*” *International Journal of Molecular Science* (2018) **19**, 337 (doi: 10.3390/ijms19020337).