

蘭宜錚

ETHAN I LAN

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PROFESSIONAL EXPERIENCE

- 2018 – Present **Associate Professor**
Department of Biological Science and Technology, National Chiao Tung University, Hsinchu, Taiwan
- 2014 – 2018 **Assistant Professor**
Department of Biological Science and Technology, National Chiao Tung University, Hsinchu, Taiwan
- 2013 – 2014 **Postdoctoral Scholar**
Institute for Genomics and Proteomics, University of California, Los Angeles
Research Advisor: James C. Liao

EDUCATION

- Sep, 2013 **University of California**, Los Angeles, California
Doctor of Philosophy (Ph.D) in Biomedical Engineering
Major Field: Metabolic Engineering and Synthetic Biology
Research Advisor: James C. Liao
- Jun, 2009 **University of Maryland**, College Park, Maryland
Bachelor of Science (B.S.) in Chemistry.

HONORS/AWARDS

- 2018 Young Scholar Fellowship, MOST (Ministry of Science & Technology Taiwan, ROC) (科技部 愛因斯坦培植計畫)
- 2015 Outstanding Scholar Awards, Foundation for the Advancement of Outstanding Scholarship (積極爭取國外優秀年輕學者獎助, 傑出人才發展基金會)

SELECTED PUBLICATIONS

1. Lai M.J., Lan E.I., 2019. Photoautotrophic synthesis of butyrate by metabolically engineered cyanobacteria. *Biotechnology and Bioengineering*, 116:893–903.
2. Ku J.T., **Lan E.I.**, 2018. A balanced ATP driving force module for enhancing photosynthetic biosynthesis of 3-hydroxybutyrate from CO₂. *Metabolic Engineering*, 46, 35-42.
3. Ku, J.T., Simanjuntak, W., **Lan, E.I.**, 2018. Renewable synthesis of n-butyraldehyde from glucose by engineered *Escherichia coli*. *Biotechnology for Biofuels*. 10:291.
4. **Lan, E.I.**, Wei, C.T., 2016. Metabolic engineering of cyanobacteria for the photosynthetic production of succinate. *Metabolic engineering* 38, 483-493.
5. Lai, M.C., **Lan, E.I.**, 2015. Advances in Metabolic Engineering of Cyanobacteria for Photosynthetic Biochemical Production. *Metabolites* 5, 636-658.
6. **Lan, E.I.**, Liao, J.C., 2015. Metabolic engineering of cyanobacteria for 3-hydroxypropionate production. *Metabolic engineering* 31, 163-170.