CHANG-YU CHANG 張昌祐

My research interest lies in the intersection of systems biology and microbial community ecology and evolution. I combine theory and experiment to study how microbial communites assemble and evovle.

🎓 EDUCATION

PhD. Candidate, Ecology and Evolutionary Biology
Yale University   📍 New Haven, CT

now | 2017

· Predicting microbial commnity assembly and function under selection
· Advisor: Dr. Alvaro Sanchez

B.S. in Life Science and M.S. in Ecology and Evolutionary Biology
National Taiwan University   📍 Taipei, Taiwan

2017 | 2011

· Math and computational courses oriented
· Insect behavior ecology and evolutionary game theory

📖 SELECTED PUBLICATIONS

Engineering complex communities by directed evolution[1]
Nature Ecology and Evolution

2021

· Developed computational tool to simulate community selection

Artificially selecting bacterial communities using propagule strategies[2]
Evolution

2020

· Empirical work on artificially selecting bacterial communities
· Conducted high-throughput experiment and community phenotyping

💵 FELLOWSHIP

Government Fellowship for Oversea Study
Taiwan Ministry of Education

2020 | 2017

· $42000 per year for three years

REFEREES

Dr. Alvaro Sanchez, Assoiciate Professor
PhD advisor; Yale University   📍 alvaro.sanchez@yale.edu

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CONTACT INFO

✉ chang-yu.chang@yale.edu
🐦 changyu_chang
⌂ github
G google scholar
🔗 changyuchang.name

For more information, please contact me via email.

SKILLS

R	
Python	
Bash	

● **Dr. Maria Rebolleda-Gomez, Assistant Professor**
University of California, Irvine

● mreboll1@uci.edu

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