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

2022

Ph.D., Ecology and Evolutionary Biology, Yale University
Advisor: Dr. Alvaro Sanchez

2015

B.S., Life Science, National Taiwan University
Presidential and Dean's Award (ranking top 5% in the class) GPA: 4.1/4.3

📖 SELECTED PUBLICATIONS

2022

Emergent coexistence in multispecies microbial communities
bioRxiv

Chang-Yu Chang, Djordje Bajic, Sylvie Estrela, Jean Vila, Alvaro Sanchez

2021

Engineering complex communities by directed evolution
Nature Ecology & Evolution

Chang-Yu Chang*, Jean C C Vila*, Madeline Bender, Richard Li, Madeleine C Mankowski, Molly Bassette, Julia Borden, Stefan Golfier, Paul Gerald L Sanchez, Rachel Waymack, Xinwen Zhu, Juan Diaz-Colunga, Sylvie Estrela, Maria Rebolleda-Gomez, Alvaro Sanchez

2020

Artificially selecting bacterial communities using propagule strategies
Evolution

Chang-Yu Chang*, Melisa L Osborne*, Djordje Bajic, Alvaro Sanchez.

💰 GRANTS, FELLOWSHIPS, AND AWARDS

2022-2024

Data Driven Discovery Postdoctoral Fellow ($27,500)
University of Pennsylvania

2017-2020

Government Fellowship for Oversea Study ($126,000)
Taiwan Ministry of Education

👥 REFERENCES

Dr. Alvaro Sanchez
Ph.D. advisor
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Principal investigator, Centro Nacional de Biotecnologia, Spain

Dr. Maria Rebolleda-Gomez
Dissertation committee
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Assistant Professor, University of California, Irvine

Dr. David Vasseur
Dissertation committee
📍 david.vasseur@yale.edu

Professor, Yale University

Dr. Sheng-Feng Shen
M.S. advisor
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Research Fellow (Professor), Academia Sinica, Taiwan

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For more information, please

contact me via email.