




Chang-Yu Chang

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Current position

PhD student

Department of Ecology and Evolutionary Biology, Yale University 2017-onward

Advisor: Alvaro Sanchez, PhD

Academic Training

National Taiwan University, M.Sc in Ecology and Evolutionary Biology 2015-2017

National Taiwan University, B.Sc in Life Science (dean's award) 2011-2015

Research Experience

Yale University, first rotation. 2017

Advisor: Alvaro Sanchez

Function and Structure of a Frequently Immigrated Microbial Community.

National Taiwan University, undergraduate and master research. 2013-2016

Advisor: Sheng-Feng Shen

Near-infrared modulates burying behavior in burying beetles.

Publications

Journal Articles

Maia Baskerville, Arielle Biro, Mike Blazanin, **Chang-Yu Chang**, Amelia Hallworth, Nicole Sonnert, Jean C. C. Vila, Alvaro Sanchez (2018). Ecological effects of cellular computing in microbial populations. *Natural Computing* **17**(4), 811–822. [Link](#)

Research Interests

Microbial community assembly
Nonlinear dynamics and complex system
R statistics

Teaching Experience (TA)

Yale University

Laboratory for Evolution & Functional Traits 2019 Spring

National Taiwan University

Biostatistics	2016 Fall
General Botany Lab.	2015 Fall

Conference Presentations

2018 Microbial Eco-Evolutionary Dynamics, Oeiras, Portugal (*Poster*)
2018 17th International Society for Microbial Ecology, Leipzig, Germany (*Poster*)
2016 16th International Behavioral Ecology Congress, Exeter, UK (*Talk*)

Grant Support

2017-2020 Fellowship: *Government Fellowship for Oversea Study*. PhD student. Taiwan Ministry of Education. \$12,6000.
2016 Travel fund: *MOE Travel Fund for Graduate Student Attending International Conference*. Master Student. Taiwan Ministry of Education. \$1000.

Extracurricular Activities and Leaderships

Organizer of Scientific Affairs Department , NTU Life Science Camp	2014
Managing all procedures of two experimental lessons; inviting two professors to give popular science speeches	
Speaker of Experimental Lesson , NTU Life Science Camp	2013
Lecturing students on the basic knowledge about insect	
Captain , Men's Volleyball Team of Life Science Department	2013-2014
Leading a volleyball team of 20 members; champion of Life Science Cup (among 15 intercollegiate teams); the third prize of BioCup (among 44 intercollegiate teams)	
Vice President , NTU Life Science Welcome Camp	2012
Organizing and allocating 50 people to corporate assignments	