

Wan-Hsuan LI

EDUCATION

PhD	Texas A&M University Advisor: Dr. Aaron Tarone Research: The relationship between blow fly (<i>Lucilia sericata</i>) and other creatures through bacteria	August 2023 - Present
MS	National Taiwan University, Entomology Thesis: Evaluation of Therapeutic Effects to the Wound of Rats by <i>Chrysomya megacephala</i> (Diptera: Calliphoridae) Larvae Advisor: Dr. Shiu-Feng Shiao; Co-advisor: Dr. Wei-Hsiang Huang	June 2021
BS	National Chung Hsing University, Entomology.	June 2018

RESEARCH INTEREST

- Research interest: medical entomology, veterinary entomology, forensic entomology

PUBLICATIONS AND CONFERENCE

- Li W.H., Tarone A.M. 2024. E Maggot Therapy for Chronic Wounds: A Systematic Review. *The 27th International Congress of Entomology*.
- Li W.H., Huang W.H., and Shiao S.F. 2024. Evaluation of Therapeutic Effects to the Wound of Rats by *Chrysomya megacephala* (Diptera: Calliphoridae) Larvae. *International Wound Journal*. (Submitted)
- Li W.H., Huang W.H., and Shiao S.F. 2020. The Primary Result of the Evaluation of Therapeutic Effects to the Wound of Rats by *Chrysomya megacephala* (Diptera: Calliphoridae) Larvae. The 41st Annual Meeting of Taiwan Entomology Society.
- Li W.H., Huang W.H., and Shiao S.F. 2019. Evaluation of Therapeutic Effects to the Wound by *Chrysomya megacephala* (Diptera: Calliphoridae) Larvae. The 40th Annual Meeting of Taiwan Entomology Society.
- Chan M.L., Wang Y.Z., Tzeng H.Y. Li W.H., and Chang Y.T. 2016. The Investigation of the Relationship Between *Psoquilla marginepunctata* and Environmental Molds. The 37th Annual Meeting of Taiwan Entomology Society.

EMPLOYMENT

Teaching Assistant, Department of Entomology, Texas A&M University	August 2024 – Present
<ul style="list-style-type: none">• Half-time (20 hrs/week)• Fall 2024: Ento 210: Global Public Health Entomology• Spring 2024: Ento 209: Veterinary Entomology• Fall 2023: Ento 201: General Entomology; Ento 322: Insect in Human Society• As a TA, I learned how to teach, grade, prepare materials for lab sections, lead students in lab sessions, and take students to catch insects in the field.	

Research Assistant, Institute of Biomedical Sciences, Academia Sinica

October 2021 – June 2023

- Full-time (40 hrs/week)
- The lab focuses on the genetic disease called Myotonic Dystrophy, and the research is separated into two parts: neurology and cardiology. I mainly support projects about neurology. The experimental focus is on transgene mice with brain defection, and we explore the mechanism of this disease with the behavior, tissue, neurons, protein, DNA, and RNA of the mutant mice.

INTERNSHIP

National Museum of Natural Science, Dept. of Zoology, Entomology Section, Summer Student Program

July-August 2016

- I made a lot of insect specimens for the education program in the museum and rearranged immersion specimens with identification to Order.
- Supporting the research of *Psoquilla marginepunctata* and its relationship with environmental molds. I helped collect the insect and molds and try to rear them. In the end, I presented this research at the annual meeting of the Taiwan Entomology Society.

EXTENSION SERVICE

Academia Sinica, Biodiversity Research Center, Sea Turtle Survey in Xiao Liuqiu Volunteer

February 2022

- Diving into the ocean and taking pictures of sea turtles' left faces (because the scale patterns of each face of a sea turtle are different).
- Counting the number of sea turtles in the glass boat and with a drone.

2017 Insect Exhibition, National Chung Hsing University

June 2017

Dept. of Entomology, National Chung Hsing University, with 17296 attendees.

Publicity Manager

- I took the responsibility for publicity, received group guests, and arranged tour time during the exhibition.

2015 Insect Exhibition, National Chung Hsing University

June 2015

Dept. of Entomology, National Chung Hsing University, with 15333 attendees.

Tour Guide**RESEARCH SKILLS**

- Entomology: insect rearing, insect anatomy, insect specimen making, insect identification (with key), insect collection (with trap)
- Animal experiment: creating scald on rats, collecting and preserving skin tissue, mice caring, perfusing mice, animal behavior (open field, elevated plus maze, rotarod, Morris water maze, forced swimming test, light/dark box...), making histological section (brain)
- Molecular biology: genotyping (regular PCR), cloning, mini- & midi-plasmid extraction, immunohistochemistry staining
- Biostatistics software: GraphPad Prism 9, R, PAST, Excel
- Language: Chinese (native), English (fluent)