



長庚大學
CHANG GUNG UNIVERSITY

生物醫學研究所

Graduate Institute of Biomedical Sciences

博士學位論文口試

Doctoral Oral Defense Seminar

Speaker : ENY SOFIYATUN Ph.D. Candidate

Host : 鄧致剛 教授

Advisor : 王蓮成 教授

Title : 評估 Doxycycline 合併 Albendazole 用於
C57BL/6 和 BALB/c 小鼠感染廣東住血線蟲
後不同時間點投藥之成效

Evaluate the efficacy of Doxycycline
combined with Albendazole at different time
points after C57BL/6 and BALB/c mice
infected with *Angiostrongylus cantonensis*

Time : 2024 年 7 月 29日 13:00-15:00

Place : 第一醫學大樓8樓生物醫學系0856會議室

※※※ 歡迎參加 Welcome ※※※

生物醫學研究所

Graduate Institute of
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CURRICULUM VITAE

Name: ENY SOFIYATUN

Education:

Graduate institute of Biomedical Science. Chang Gung University, Taiwan
Ph.D., Graduate Institute of Biomedical Sciences, Division of
Microbiology.

Graduate institute of Tropical Medicine. Medical College, Gadjah Mada
University, Indonesia. M.Sc, Tropical Medicine.

Publication:

- 1) **Sofiyatun E**, Chen KY, Chou CJ, Lee HC, Day YA, Chiang PJ, Chiu CH, Chen WJ, Jhan KY, Wang LC. 2024. Doxycycline cotherapy with albendazole relieves neural function damage in C57BL/6 and BALB/c mice infected with *Angiostrongylus cantonensis*. *Biomedical Journal*, <https://doi.org/10.1016/j.bj.2024.100727>. IF: 4.1. Q2: 62/189.
- 2) Cheng CC, **Sofiyatun E**, Chen WJ, Wang LC. 2021. Life as a vector of Dengue virus: The antioxidant strategy of mosquito cells to survive viral infection. *Antioxidants* 10: 395, <https://doi.org/10.3390/antiox10030395>. IF: 6.0. Q1: 50/313.
- 3) Cheng CC, Yang CF, Lo YP, Chiang YH, **Sofiyatun E**, Wang LC, Chen WJ. 2020. Cell-to-cell spread of dengue viral RNA in mosquito cells. *BioMed Research International* Vol. 2020, Article ID 2452409, <https://doi.org/10.1155/2020/2452409>. IF: 2.6. Q3: 101/189.
- 4) Chen TH, Wu YJ, Nou JH, Chiang YH, Cheng CC, **Sofiyatun E**, Chiu CH, Wang LC, Chen WJ. 2018. A novel p53 paralogue mediates antioxidant defense of mosquito cells to survive dengue virus

replication. *Virology* 519: 156-169. IF: 2.8. IF: 4. Q3: 23/41.

- 5) Hou JH, Chen TH, Chiang YH, Peng JY, Yang TH, Cheng CC, **Sofiyatun E**, Chiu CH, Ni CC, Chen WJ. 2017. PERK signal-modulated protein translation promotes the survivability of dengue 2 virus-infected mosquito cells and extends viral replication. *Viruses*(9): 262, <https://doi.org/10.3390/v9090262>. IF: 3.8. Q2: 17/41.
- 6) Chen TH, Chiang YH, Hou JN, Cheng CC, **Sofiyatun E**, Chiu CH, Chen WJ. 2017. XBP1-mediated BiP/GRP78 upregulation copes with oxidative stress in mosquito cells during dengue virus 2 infections. *BioMed Research International Vol. 2017, Article ID 3519158*, <https://doi.org/10.1155/2017/3519158>. IF: 2.6. Q3: 101/189.

Posters:

Applications of IAP-dsRNA as dengue vector control for *Aedes* sp. The annual Research Poster Competition of PhD Thesis, Chang Gung University, Taiwan (2018).

The role of IAP gene in the core apoptosis pathway of mosquito cells as survival mechanism of dengue virus infections. The annual Research Poster Competition of PhD Thesis, Chang Gung University, Taiwan (2020).

Doxycycline cotherapy with Albendazole relieves neural function damage in C57BL/6 and BALB/c mice infected with *Angiostrongylus cantonensis*. The 16th Asian-Pacific Congress for Parasitic Zoonoses (16th APCPZ), China Medical University, Taichung, Taiwan (2023).

Oral presentation:

The effect of doxycycline as co-therapy with albendazole in C57BL/6 and BALB/c mice infected with *Angiostrongylus cantonensis* during early and late treatment. 38th Annual Meeting of Taiwan Parasitology Society, Kaohsiung Medical University, Kaohsiung, Taiwan (2024).