

## 2022-2023 academic year Student Outcomes

1	Yi-Ru Lin, Pei-Yun Liao, Qi-Yi Guo, Cheng-Chuan Yang	Ji-Yuan Liang, Ph.D.	Effects of sodium citrate photolysis on silver nanoparticles formation through microbial viability evaluation
2	Cing-Cyuan Chen, Cheng- Zhan Yang, Chen-Yong Huang	Ji-Yuan Liang, Ph.D.	Effects of Oxytetracycline Photolysis on Microorganisms
3	Chia-Ying, Lee	Ji-Yuan Liang, Ph.D.	pcMSCs in Peripheral artery disease (PAD)
4	Han Chang, Qi-Ming Liu, Zhi-Yu Hu	Yun-Shien Lee, Ph.D.	Using Python program to analyze ORF of DNA sequence
5	Yi-Hung Chiu, Yen-Cheng Liu. Wei-Jie Lin	Yun-Shien Lee, Ph.D.	Use the Python program to find the conservation of other small ORFs in transcripts except for the open reading frame defined by NCBI
6	Ting-Yen Chen	Yun-Shien Lee, Ph.D.	Internship report in the production department of the plant factory
7	Jia-Sin Yang, Pin-Yu Chen, Zi-Wen Chen	Shwu-Fen Pan,Ph.D.	Activity analysis of recombination extracellular protease of Pseudomonas aeruginosa
8	Sheng-Bo Huang. Yung-Jui Lu	Shwu-Fen Pan,Ph.D.	Investigate the effect of low-level laser therapy on the proliferation of Hela cells
9	Yu-Chang Chou, Kung-Yu Chen	Shwu-Fen Pan,Ph.D.	Extraction and Analysis of Phyto saponins from Soapwort
10	Pin-Rong Chen	Yu-Chung Chang, Ph.D.	Cloning and Expression of Fimbria Proteins Stg to Develop Subunit Vaccine for Salmonella Typhi
11	Yu-Ting Sun	Yu-Chung Chang, Ph.D.	Molecular Cloning and Protein Expression of the Fimbrial Gene stj of Salmonella Typhimurium
12	Yuan-Yuan, Huang	Yu-Chung Chang, Ph.D.	Expression and Functional Characterization of Chaperone-Usher Fimbriae Long Polar Fimbriae of Salmonella enterica serovar Typhimurium
13	Yen Pei Li	Yu-Chung Chang, Ph.D.	Comparison of the Major Capsid Protein VP1 of Swine Norovirus and Its Functional Domains VP1-S and VP1-P as Antigens in Clinical Serum Antibody Detection
14	Yu-Jung Lin	Yu-Chung Chang, Ph.D.	Molecular Cloning and Protein Expression of Salmonella type III secretion system sipA and spvB-N-terminal domain
15	Yu-Wei Lee	Yu-Chung Chang, Ph.D.	Construction of Human GI Norovirus P Particle as a Vaccine Platform for Salmonella Fimbrial Antigen StkA
16	Hsin-Jui Chung	Yu-Chung Chang, Ph.D.	Exploration of the Regulation of csg Fimbrial Gene Cluster

17	Guan-Lin Wu	Yu-Chung Chang, Ph.D.	Molecular Cloning, Protein Expression and Functional Characterization of the Nonstructural Protein NS7 of Porcine Deltacoronavirus
18	Yu-Chia Wei	Yu-Chung Chang, Ph.D.	Grape King Biotechnology Company Summer Internship
19	Chien-Fei Yang	Yu-Chung Chang, Ph.D.	Serosurveillance of anti-human GII norovirus antibodies in swine sera in Taiwan
20	Ya-Ling Shi	Hui-Chung Wu, Ph.D	Armillaria research
21	Bo-wei Han, Shun-Yang Wu, Zhi-wei Zhang, Zhong-Kai Zeng	Jeu-Ming P.Yuann,Ph.D. / Ji-Yuan Liang,Ph.D.	Effect of Synthesis of Gold Nanoparticles by Photolysis of Sodium Citrate on Microorganisms.
22	Yi-Wen Chen	Jeu-Ming P.Yuann,Ph.D. / Ji-Yuan Liang,Ph.D.	Far Eastern Memorial Hospital Summer Internship Report
23	Mung-Chung Wu	Jeu-Ming P.Yuann,Ph.D. / Ji-Yuan Liang,Ph.D.	Yadong Memorial Hospital Internship Report
24	Yi Juo	Jeu-Ming P.Yuann,Ph.D. / Ji-Yuan Liang,Ph.D.	Internship report at OPEN STONE CO.,LTD.
25	Jie-Ru Lin	Jeu-Ming P.Yuann,Ph.D. / Ji-Yuan Liang,Ph.D.	Far Eastern Memorial Hospital Summer Internship Report
26	Meng-Zhang Liu, Shu-Yan Wang	Chi-Ming Chiu, Ph.D.	Systematic study of environmental factors in aquaponic system on the regeneration of herb plants (rosemary, mint,and basil)
27	Cai-Yu Chen	Chi-Ming Chiu, Ph.D.	Evaluation of photobiomodulation therapy against free radical damage to retinal pigment epithelium cellsARPE-19
28	Chen-Ya Huang	Chi-Ming Chiu, Ph.D.	Identification of the effect of Asystasia gangetica extract on fatty acid accumulation of HepG2 cell line
29	Jia-Rong Zhang, Hong-Yu Chen	Yi-Sheng Chen, Ph.D.	Isolation and characterization of Streptococcus from the patient with bacteremia
30	Yu-Hsuan Wang, Jin-Nan Deng Wei- Hua Chen, Chia-Yu Liao	Yi-Sheng Chen, Ph.D.	Isolation and identification of lactic acid bacteria from the gut of honeybee (Apis mellifera)
31	Tzu-Han Lo	Chung-Ming Lin, Ph.D	The Effect of Clinacanthus nutans Aqueous Extract on HCT-116 Cells

32	Chia-Yun Hsieh	Chung-Ming Lin, Ph.D	The Effect of Clinacanthus nutans Water extract on WiDr Colorectal Cancer Cells
33	Min-Yu Huang	Chung-Ming Lin, Ph.D	Inspection of quality control of lactic acid bacteria and water quality
34	Yu-Han Zheng, Li-Xuan Chen, Yu-Han Zheng	Han-Zuo Lin, Ph.D	To explore the correlation between microbial flora and environmental factors in aquaponics system
35	Rui-Shen Wu, Zun-Liang Lai, Tsung-Hsiang Tu	Han-Zuo Lin, Ph.D	Species of unknown fur identified with Mitochondria genes
36	Chi-Ting Chang, Yi-Kai Tseng, Yu-Han Huang	Han-Zuo Lin, Ph.D	Analysis of microbial phases of the roots of chaotian pepper and sweet basil in aquaponics system
37	TSENG, TZU-YANG, Chih-Hsuan Chen, PO-SHENG CHIANG	Han-Zuo Lin, Ph.D/ Yi-Sheng Chen	Danio rerio Eye Myopia Experiment
38	Cheng-Jie Dai	Han-Zuo Lin, Ph.D	Yan-Yun plant factory practice
39	Kuei-Pao L, Chieh Chen	Chih-Ming Chiang, Ph.D.	The comparison of antioxidant and antibacterial effects of Coleus amboinicus and Houttuynia cordata extracts in single and compound formulations.
40	Yun-Tong Guo, Hua-Hsin Chiang Yue Chen	Chih-Ming Chiang, Ph.D.	Inhibitory effect of crude protein extract from Armoracia rusticana on lung cancer cell
41	Bo-Ruei Chiu, Po-Hsuan Chang	Chih-Ming Chiang, Ph.D.	Comparing the anthocyanin content of different rose colors
42	Yi-Lin Wu	Chih-Ming Chiang, Ph.D.	Research and practice hydroponic practice
43	Hua-Hsin Chiang	Chih-Ming Chiang, Ph.D.	Technical learning in cell biology and molecular biology
44	Yue Chen	Chih-Ming Chiang, Ph.D.	Learn techniques and principles related to cell biology and molecular biology
45	Ting-Hui Lin, Hao-Jui An	Chien-Wei Cheng,Ph.D.	Brewing and Analysis of Beer
46	Shih-Lun Su, Chia-Ming Hsu	Chien-Wei Cheng,Ph.D.	Analysis and comparison of plant-based milk ice cream
47	Yu-Han Huang, Tzu-Shan Peng	Chien-Wei Cheng,Ph.D.	Fungal symbiotic culture studies
48	Yu-Wen Chen	Chien-Wei Cheng,Ph.D.	Antioxidant Activity of Armillaria mellea Extract