Curriculum Vitae

Brian Bor-Chun Weng

個人簡歷

翁博群

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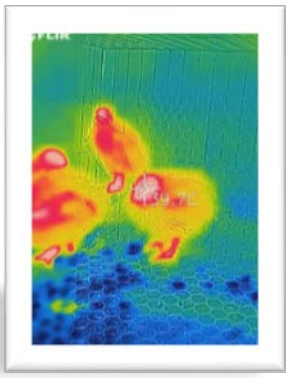

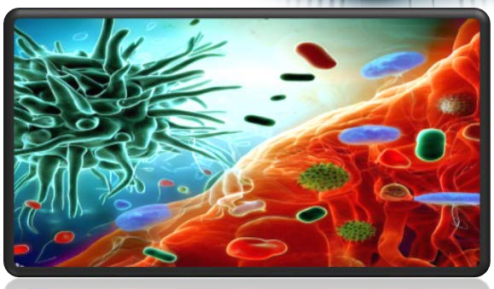

基本資料 (General Information)

中文姓名 (Chinese Name)	翁博群	英文姓名 (English Name)	Weng, Bor-Chun (Brian)
學術經歷 Academic position	國立嘉義大學 生命科學院微生物免疫與生物藥學系	Dept. Micro. Immnol. Biopharm., College of Life Science, National Chiayi University	教授 Tenure track Professor/Animal Scientist
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研究方向 (Fields of Research Interest)

Life Sciences Animal Sciences	Immunophysiology	Aging	Functional foods
	Immunotoxicology	Microbiome/Microbiota	Translational Research

論文著述：(Degree Publications)

博士論文 (PhD. Dissertation)

Weng, B.C. ***Immunomodulation by dietary lipids: soybean oil, menhaden fish oil, chicken fat, and hydrogenated soybean oil in Japanese quail (Coturnix coturnix japonica) and Bobwhite quail (Colinus virginianus)***

碩士論文 (Master Thesis)

Weng, B.C. ***Uptake of Dietary β-Carotene by Blood, Corpus Luteum and Uterine Endometrium and Changes in Ovarian Steroid Hormone and Uterine Protein Production during the Estrous Cycle in Dogs Fed β-Carotene***

研討會論文摘要海報 (Conference Abstract and Poster)

- 2020 吳奕德，陳昀志，江念蓉，李穎儒，蘇和梗，徐泱彤，翁博群 薄荷強化調合精油在疫苗造成抗體產生之影響 中國畜牧學會年會, Annual Meeting of Chinese Society of Animal Sci.
- 2020 陳昀志，吳奕德，張漢中，李穎儒，蘇和梗，徐泱彤，翁博群 薄荷強化調合精油在疫苗造成炎症反應之影響 中國畜牧學會年會, Annual Meeting of Chinese Society of Animal Sci.
- 2020 陳綵慈，徐泱彤，翁博群 保種群與新引種群之臺灣黑山羊恆春品系與吉安山羊之免疫性狀評估與比較 中國畜牧學會年會, Annual Meeting of Chinese Society of Animal Sci.
- 2022 王語，張紹倫，徐乾盛，伍芷葳，林芸萱，翁博群 利用日本鵪鶉平台探討荔枝核多酚凝集素在新城雞瘟減毒疫苗接種後炎症反應與抗體產生之影響 中華實驗動物 111 年會
- 2023 Cheng-Yin Chang ,Yi-Kai Chiu,Yi-Jing Chen,Bor-Chun Weng Using a Growing Quail Experimental Animal Model To Evaluate Feeding Whole Peanut Kernel Extract (WPKE) As Diet After Vaccination.

- 2024 張丞尹 翁博群 應用鵪鶉動物模式生長期平台評估餵食花生膜對疫苗後反應與抗體產生之影響

期刊論文 (Refereed Articles)

☑ 2021 Hsien-Juang Huang, Bor-Chun Weng, Yan-Der Hsuuw, Yueh-Sheng Lee, Kuo-Lung Chen. Dietary supplementation of two-stage fermented feather-soybean meal product on growth performance and immunity in finishing pigs. *Animals* 11:1527

☑ 2022 Brian B.-C. Weng, Yu-Chia Liu · Brittany L. White ·Ju-Chun Chang · Jack P. Davis, ·Shih-Hsuan Hsiao ·Robin Y.-Y. Chiou Allergenicity reduction of the bio-elicited peanut sprout powder (BPSP) and toxicological acceptance of BPSP-supplemented diets assessed with ICR mice *J Food Sci Technol* https://doi.org/10.1007/s13197-022-05537-7

☑ 2022 Hsien-Juang Huang, Bor-Chun Weng, Yueh-Sheng Lee, Cheng-Yung Lin, Yan-Der Hsuuw, Kuo-Lung The Effects of Two-Stage Fermented Feather Meal-Soybean meal product on growth performance, blood biochemistry, and immunity of nursery pigs. *Fermentation* ***2023***, *9(2), 82;* ***https://doi.org/10.3390/fermentation9020082***

☑ 2022 Istiqomah Hariyanto, Chia-Wen Hsieh, Yueh-Han Hsu, Lih-Geng Chen, Chi-Shih Chu and Brian Bor-Chun Weng*, In vitro and in vivo assessments of anti-hyperglycemic properties of soybean residue fermented with *Rhizopus oligosporus* and *Lactiplantibacillus plantarum. Life* 2022, 12(11), 1716; https://doi.org/10.3390/life12111716

☑ 2022 Jin-Yi Wu, Lih-Geeng Chen, Chia-Wen Hu, Kuan-Chi Chiu, Wenhsin Lin, Pei-Chun Ho, and Brian Bor-Chun Weng* Immunotoxicity and Anti-Inflammatory Characterizations of Prenylated Flavonoids—The Lipophilic 7-*O*-Terpenylated Wogonin *Life* 2022, 12(12), 2116; https://doi.org/10.3390/life12122116

☑ 2023 James Wang, Zen-Cheng Lin, and Brian Bor-ChunWeng* A Pre-Clinical Study of sub-Anesthetic Ketamine as Remedy in 5-Fluorouracil-Induced Cachexia Model *Life*, 13(8) https://doi.org/10.3390/life13010008

☑ 2023 Hsien-Juang Huang, Yueh-Sheng Lee, Bor-Chun Weng, Cheng-Yung Lin, Yan-Der Hsuuw, Kuo-Lung Chen. Two-Stage Fermented Feather Meal-Soybean Meal Product Improves the Performance and Immunity of Lactating Sows and Piglets *Fermentation* **2023**, *9*(2), 82

☑ 2023 Brian Bor-Chun Weng*, Hung-De Yuan, Lih-Geeng Chen, Chishih Chu, Chia-Wen Hsieh* Soy yoghurts produced with efficient GABA-producing *L. plantarum* ameliorate hyperglycaemia and re-establish gut microbiota in STZ-induced diabetic mice *Food & Function* 14:1699-1709 DOI: 10.1039/D2FO02708A

☑ 2025 Tsung-Yu Lee; Yueh-Sheng Lee; Chean-Ping Wu; Bor-Chun Weng; Kuo-Lung Chen Bacillus amyloliquefaciens CU33 Fermented Product Improves Growth Performance, Diarrhea, and Immunity of Goat Kids *Animals* **2025**, *15*(9), 1324; **https://doi.org/10.3390/ani15091324**

☑ 2025 Lan-Szu Chou; Chih-Yu Lo; Chien-Jui Huang; Hsien-Juang Huang; Shen-Chang Chang; Brian Bor-Chun Weng; Chia-Wen Hsieh Growth Performance, Carcass Quality and Gut Microbiome of Finishing Stage Pigs Fed Formulated Protein-Energy Nutrients Balanced Diet with Banana Agro-Waste Silage. *Life* **2025**, *15*(7), 1033; **https://doi.org/10.3390/life15071033**

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專利與技術報告 (Patent, Technical Report and Oral Presentation)

1. Chew, B.P., J.S. Park, T.S. Wong, B.C. Weng, H.W. Kim, K.M. Byrne, M.G. Hayek, and G.A. Reinhart. Importance of β-carotene nutrition in the dog and cat: Uptake and immunity. Pages 513-522 *In:* G.A. Reinhart, and D.P. Carey, (Ed.), Recent Advances in Canine and Feline Nutrition. 1998 IAMS International Nutrition Symposium Proceedings, Orange Frazer Press, Wilmington, OH.

2. Chew, B.P., T.S. Wong, J.S. Park, B.C. Weng, N. Cha, H.W. Kim, M.G. Hayek and G.A. Reinhart. The role of dietary lutein in the dog and cat. Pages 547-554 *In:* G.A. Reinhart, and D.P. Carey, (Ed.), Recent Advances in Canine and Feline Nutrition. 1998 IAMS International Nutrition Symposium Proceedings, Orange Frazer Press, Wilmington, OH.
3. Weng, Bor-Chun β-Carotene uptake by corpus luteum and uterus and changes of ovarian steroids and uterine proteins during the estrous cycle in domestic dogs. Presentation. The Annual Meeting of Experimental Biology, San Francisco, CA. USA 1998.
4. Weng, Bor-Chun Barley β-Glucan modulate macrophage defense to Salmonella typhimurium via upregualte dectin-1 and survivin mRNA expressions 2006. The 2nd International Salmonella Conference, School of Medicine, Chang Gung University, Taiwan, ROC.
5. Yang RY, Chang LC, Hsu JC, Weng BBC, Palada MC, Chadha ML, Levasseur V. Nutritional and functional properties of moringa leaves – from germplasm to plant, to food, to health. Paris: Moringanews, Moringa and Plant Resources Network. In: Moringa leaves: strategies, standards and markets for a better impact on nutrition in Africa 9 pp. 2007.
5. Hsia, Liang-Chuo*, Weng, Bor-Chun. Effect of supplementing dietary threonine on the immune response of weaning piglets under high and low environmental temperature 2009. Annual Meeting of the Chinese Society of Animal Sci. Taiwan
7. Chen KL*, Weng BC, and Chen TT. Physiological role of androgen in chickens. Presentation in plenary section 10: Physiology. Asia-Australasian Association of Animal Production Societies (14th AAAP). 2010. Pingtung, Taiwan
8. 2014 中華民國專利 I473619 具保護肝臟之荔枝多酚萃取物及其製造方法
9. 2015 演講 The protective effects of the novel soy yogurt product in STZ−induced hyperglycemic mice 大豆高加價值產品研發研討會 ，嘉義大學
10. 2015 ROC patent publication number 201521714 中華民國專利公開號 二苯乙烯類化物於調節動物免疫生理功能的用途 USE OF STILBENES IN MODULATION OF ANIMAL IMMUNITY
11. 2017 中華民國專利 I599364 中華民國專利 預防或減緩糖尿病及其併發症的大豆醱酵產物及其應用
12. 2021 ROC Patent I744971 中華民國專利 毛木耳萃取物用於製備誘導未極化的免疫細胞分化成抗發炎型免疫細胞之組成物的用途 USE OF EXTRACTION OF AURICULARIA POLYTRICHA FOR PREPARING COMPOSITION FOR INDUCING DIFFERENTIATION OF NON-POLARIZED IMMUNE CELLS INTO ANTI-INFLAMMATORY IMMUNE CELLS
13. 2023 演講 第二屆月桃產業發展願景論壇 演講題目: 月桃延年益壽的科學證據-對抗 LKK 月桃 DK, DDK 農業部林業試驗所舉辦
14. 2024 中華民國專利 I846025 公開號 TW202410911A 毛木耳多醣體萃取物用於提升體液媒介免疫力增加抗體的用途
15. 2024 中華民國專利公開號 TW202410912A 毛木耳多醣體組成物及其製備方法、其延伸產品與應用
16. 2024 中華民國專利 I846046 公開號 TW202410913A 毛木耳多醣體萃取物及其用於製備促進傷口癒合之醫藥組
17. 2025 Future Tech Pavilion title 未來科技獎 提升雞隻生產效益「減少碳足跡」