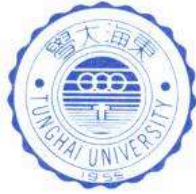




# Curriculum Vitae

Brian Bor-Chun Weng



## 個人簡歷

翁博群



Washington State



University

Updated: 2022.11



## ✚ 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)
聯絡電話 TEL#	(Office) 886-5-2717922 (Mobile) 0972295038		
傳真號碼 Fax#	886-5-2717831	E-MAIL	<a href="mailto:brian@mail.ncyu.edu.tw">brian@mail.ncyu.edu.tw</a>

## ✚ 主要學歷 (Academic History)

學校名稱	國別	主修學門系所	學位	起訖年月(西元年/月)
維吉尼亞理工州立大學 Virginia Polytechnic Institute and State University	USA	Animal and Poultry Sci. Graduate School of Agriculture and Life Sci.	PhD	<u>1998 / 8</u> 至 <u>2002/8</u>
華盛頓州立大學 Washington State University	USA	Animal Sci. Graduate School of Agriculture	MS	<u>1995 / 8</u> 至 <u>1998 / 8</u>
東海大學 Tunghai University	ROC	畜產與生物科技系 Dept. Animal Sci.	BS	<u>1991/ 8</u> 至 <u>1993/6</u>
國立屏東農專 National Pingtung Polytechnic Institute	ROC	動物科學與畜產系 Dept. Animal Production	BA	<u>1988 / 8</u> 至 <u>1991/6</u>

## ✚ 現職及與專長相關之經歷 (Current Position and Experience)

服務機構 Serviced Institute	服務部門/系所 Division.	職稱 Title	起訖年月(西元年/月)
<b>現職：Current Position</b>			
國立嘉義大學 National Chiayi University	生命科學院微生物免疫 與生物藥學系 Dept. Micro. Immunol. Biopharm., College of Life Science	副教授 Associated Professor	2012 / 8- current
<b>經歷：Vita</b>			
嘉義大學 College of Life Sci., NCYU	微生物免疫與生物藥學 系 Dept. Microb. Immunol. Biopharm.	系主任 Department head	2017/8 – 2019/7
嘉義大學生命科學院 College of Life Sci., NCYU	全英語學程 Global Master Program of Life Sciences	執行長 Chief executive officer	2016/8 -2017/7

國立嘉義大學 National Chiayi University	動物照護及使用委員會 IACUC	委員 Council of member	2015/8 – 2016/7
嘉義大學生命科學院檢驗分析及技術推廣服務中心 Analytical and Technical Service Center (ATSC), NCYU	實驗動物組 Laboratory Animal Facility, ATSC, College of Life Science, NCYU	管理人 Section Manager	2011/8 – 2014/7
中國畜牧學會 Chinese Society of Animal Sci.	第二十屆 20 <sup>th</sup>	理事 Council of Members	2010-2012
國立嘉義大學 National Chiayi University	動物照護及使用小組 IACUC	執行秘書 Executive secretary	2008-2011
國立嘉義大學 National Chiayi University	生命科學院 College of Life Sci.	兼任助理教授 Adj. Assist. Prof.	2003/01 至 2003 / 07
台北榮民總醫院 Veteran General Hospital, Taipei	骨科研究室 Laboratory of Stem Cells in Orthopedics	博士後研究 Post. Doc.	2002/ 9 至 2003 / 5
維吉尼亞理工大學 Virginia Polytechnic Inst.	動物科學系 Animal Sci.	兼職教學助理 Part-time teaching assistant	1999 / 8 至 2000 / 8
華盛頓州立大學 Washington State University	動物科學系 Animal Sci.	兼職研究助理 Part-time research assistant	1995 / 12 至 1998 / 6
國立屏東技術學院 National Pingtung Polytechnic Institute	獸醫系 Dept. Veterinary Sci.	全職研究助理 Full-Time research assistant	1993 / 8 至 1994 / 4

#### ✚ 研究方向 (Fields of Research Interest)

Immunophysiology	Phytochemicals and Phytonutrients Studies	Nutraceutical and Drug Discovery	Feed additives and Animal immunity
	Nutritional Immunology	Reproductive Immunology	Aging and Immunohomeostasis

#### ✚ 論文著述：(Publications)

##### ■ 博士論文 (PhD. Dissertation)

Weng, B.C. Advisor: D.M. Denbow *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*) 2002. 8

■ 碩士論文 (Master Thesis)

Weng, B.C. Advisor: B.P. Chew *Uptake of Dietary  $\beta$ -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  $\beta$ -Carotene* 1997. 12

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

- ◆ 2012 CW Hu, BC Weng, KS Yang, CH Wu, LL Yang Anti-leukopenia and immunoregulator of selected Chinese Tonic Medicine 中華實驗動物學會中藥研究成果圓桌會議 中央科學研究院人文館第二會議室
- ◆ 2012 YJ Tsai, SH Huang, CH Chao, BBC Weng Anti-allergic activity of the Sapindaceae seed extracts (SSE) extracts (SSE) 台灣保健食品學會暨免疫與過敏研討會 高雄海洋科技大學
- ◆ 2012 SH Huang, YJ Tsai, BS Guo, ZX Zhao, RYY Chiou, BBC Weng 二苯乙烯類萃取物 arachidin-1 與 resveratrol 對過敏性呼吸道發炎小鼠模式之免疫調節功效 (Immunomodulatory effects of stilbenes arachidin-1 and resveratrol in a murine model of allergic pulmonary inflammation) 台灣保健食品學會暨免疫與過敏研討會 高雄海洋科技大學
- ◆ 2012 LP Huang, SC Chen, CL Chen, BC Weng, KL Chen Effect of dietary supplementation with compound beta-glucan in replacing antibiotics additives on the growth performance and immunity of broilers 15th Asian-Australasian Association of Animal Production Societies Congress Thailand 泰國 (國際)
- ◆ 2012 Lin SM, WC Ko, JC Chang, FL Huang, BBC Weng, SH Wang, RYY Chiou Immunity enhancement and characterization of bioactive peanut sprout powder and purified peanut arachidin-1 APRES, NC, USA (國際)
- ◆ 2012 BBC Weng\*, WH Lin, CW Hu, SM Lin, JC Chang, RYY Chiou Phytoestrogenic activity of resveratrol and peanut arachidin-1 APRES, NC, USA (國際)
- ◆ 2013 方紫珣、葉采穎、袁宏德、蘇育揚、黃一修、李韻如、楊凱勳、徐泱彤、胡佳雯、翁博群 評估腹腔注射大豆異黃酮與花生多酚萃取物於 Streptozotocin 誘導高血糖小鼠之保護作用 小分子化合物結構鑑定暨功能性評估研討會，嘉義大學
- ◆ 2014 吳進益，梁文俐，翁博群，蔡金川，李飛鵬，楊玲玲 Drug interaction with warfarin of the top hundred Chinese medicinal prescription in Taiwan 第 29 屆生物醫學聯合學術年會 國防醫學院
- ◆ 2014 陳瑋智，吳明順，吳進益，翁博群，李飛鵬，吳志雄，楊玲玲 In Vivo Hepatic and Renal Protective Capability of *Ampelopsis cantonensis* Extract against Oxidative Stress Induced by Carbon Tetrachloride 第 29 屆生物醫學聯合學術年會 國防醫學院
- ◆ 2014 元宏德，蘇育揚，葉采穎，方紫珣，徐泱彤，楊凱勳，翁博群 豆漿及其發酵機能飲品在高血糖小鼠模式下之降低血糖功能性評估 大豆高加價值保健食品研發研討會，嘉義大學
- ◆ 2015 Hung-De Yuan, Ying-Chen Leu, Ching-Hsein Chen, Chih-Yu Lo, Lih-Geeng Chen Being-Sun Wung, Chia-Wen Hsieh, Bor-Chun Weng The protective effects of the novel soy yogurt product in streptozotocin-induced hyperglycemic mice 2015 BIT World Congress Diabetes，高雄 (國際)
- ◆ 2016 徐泱彤，楊凱勳，李韻如，羅永強，黃淑惠，夏浩翔，蔡永珍，邱冠期，翁博群 四

種不同來源的 Beta-glucan 對於巨噬細胞之調節

- ◆ 2017 Xun-Yu Wang, Chia-Wen Hsieh, Chishih Chu, Bor-Chun Weng Cytotoxicity and Immunomodulatory Effects of the Polysaccharides Extracted from *Auricularia polytricha* The 15th Symposium of the Frontier of Biomedical Sciences 中國醫藥大學
- ◆ 2017 王心妤, 謝佳雯, 朱紀實, 翁博群 木耳萃取之多醣體對 RAW264.7 小鼠腹腔巨噬細胞活性與毒性影響 畢業論文競賽海報
- ◆ 2017 李佳穎§Chia-Ying Lee, 朱紀實 Chi-shih Chu, 陳立耿 Lih-Geeng Chen, 翁博群 Bor-Chun Weng Hepatoprotective activity of *Cirsium arisanense Kitamura* on ethanol and physic induced-hepatocytes injury model The 15th Symposium of the Frontier of Biomedical Sciences 中國醫藥大學
- ◆ 2017 Zi-Qi Gu, Yu-Ru Lai, Jia-Ying Li, Hui-Wen Chen, Wen-Yuan Xie, Xin-Yu Wang, and Bor-Chun Correlation of NLR on cancer prognosis and anti-tumor immunity in the murine mammary carcinoma model The 15th Symposium of the Frontier of Biomedical Sciences 中國醫藥大學
- ◆ 2017 顧子奇、賴昱儒、李佳穎、陳蒼文、謝文媛、周信廷、王心妤、翁博群 The Significances of NLR in Experimental Mouse Mammary Tumor Model 利用小鼠乳癌模式資料分析 NLR 在實驗小鼠腫瘤進程之關係 中華實驗動物學會年會
- ◆ 2018 Yu-Ru Lai (賴昱儒)、Zi-Qi Gu (顧子奇)、Bor-Chun Weng, Ph. D. (翁博群) 動物血液資料分析 NLR 在癌症腫瘤進程之關係 The Significances of NLR in Mammal Caner Model with Tumor 微生物免疫與生物藥學系 畢業成果展
- ◆ 2018 謝文媛§、翁博群 應用 Cyclophosphamide 誘導小鼠骨髓抑制模式下探討新生成嗜中性球分型 微生物免疫與生物藥學系 畢業成果展
- ◆ 2018 李穎儒、徐泱彤、翁博群 離乳仔豬飼料添加調和植物精油取代抗生素對生長及免疫性狀的影響 中國畜牧學會年會, Annual Meeting of Chinese Society of Animal Sci.
- ◆ 2020 吳奕德, 陳昫志, 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 陳昫志, 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



## ✚ 期刊論文 (Refereed Articles)

- ☑ 2012 Yang-Guo Fan; Chia-Wen Hu; Chishih Chu; Kuan-Chi Chiu, Brian Bor-Chun Weng<sup>W</sup> Effect of barley  $\beta$ -glucan on murine RAW264.7 macrophages against virulent salmonella enterica serovar Typhimurium. *Food Research International* 45:1106-1110 (SCI)
- ☑ 2013 GC Huang, CJ Lee, KT Wang, BC Weng, TY Chien, SH Tseng, and CC Wang Immunomodulatory effects of Hedysarum polybotrys extract in mice macrophages, splenocytes and leucopenia. *Molecules* 18:14862-14875 (SCI)
- ☑ 2014 黃憲榮,王漢昇,李秀蘭,許晉賓,王治華,林正鏞,許岩得,翁博群,陳國隆 飼糧添加二階段混和型發酵飼料原料對生長豬生長性能及免疫性狀之影響 畜產研究 47(4):239-250
- ☑ 2016 黃憲榮, 翁博群, 許晉賓, 王翰昇, 李秀蘭, 許岩得, 林正鏞, 陳國隆 飼糧添加二階段混合型益生菌發酵飼料對肥育豬免疫反應之影響。畜產研究 49(3):184-193.
- ☑ 2016 Bor-Chun Weng<sup>W</sup>, Wen-Shin Lin, Ju-Chun Chang, Robin Y.Y. Chiou<sup>W</sup> The phytoestrogenic stilbenes, arachidin-1 and resveratrol, modulate regulatory T cell functions responsible for successful aging in aged ICR mice. *International J Molecular Medicine* 38:1895-1904
- ☑ 2017 Robin YY Chiou, Po-Chang Chiu, Ju-Chun Chang, Yu-Jang Li, Chia-Wen Hsieh, Jin-Yi Wu, Shu-Mei Lin, Yun-Lian Lin, Brian Bor-Chun Weng. Discovery of new stilbene antioxidants of the bio-elicited peanut sprout powder (BPSP) and longevity extension of mice fed with BPSP-supplemented diets. *Food and Nutrition Science* 8:141-162
- ☑ 2017 LG Chen, CW Chang, JG Tsay, Bor-Chun Weng<sup>W</sup> Hepatoprotective effects of litchi (litchi chinensis) procyanidin A2 on carbon tetrachloride (CCL4) induced liver injury in ICR mice. *Experimental and Therapeutic Medicine* 13: 2839-2847
- ☑ 2019 Chishih Chu, Jyun-Yu Peng, Chia-Wen Hsieh, Lih-Geeng Chen, Brian Bor-Chun Weng, Chin-Hsiung Hung, Ching-Hsein Chen Safety Assessment of Mammalian Cytotoxicity by Extracts of *Auricularia polytricha* and *Osmanthus fragrans* 。農林學報, 16: 29-44。
- ☑ 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* 8:634
- ☑ 2022 Istiqomah Hariyanto, Chia-Wen Hsieh, Yueh-Han Hsu, Lih-Geng Chen, Chi-Shih Chu and Brian Bor-Chun Weng<sup>\*</sup>, 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
- ☑

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

8. 2014 ROC patent I473619 中華民國專利 具保護肝臟之荔枝多酚萃取物及其製造方法 A method in production of hepatoprotective extracts from lychee 張証維，翁博群、陳立耿
9. 2015 翁博群 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 邱義源，朱紀實，翁博群
11. 2017 ROC Patent 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 呂英震、翁博群
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 翁博群 朱紀實 謝佳雯 陳立耿 陳俊憲
13. 2022 中華民國專利申請審查中 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
14. 2022 中華民國專利申請審查中 毛木耳多醣體組成物及其製備方法、其延伸產品與應用
15. 2022 中華民國專利申請審查中 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

### 五年內研究補助與執行研究計畫：(Research financial aid and proposed project)

計畫名稱 Title of Grant Proposal	計畫內擔任之工作 Position in	年月 Year	補助或委託機構 Funding	申請(執行)情形 Project Status

	Project Investigation		Institute	
小鼠白血球低下症模式下探討以β-glucan 伴隨 G-CSF 白血球恢復性治療對於敗血症併發之預防	主持人 Project Investigator	2014 2016	科技部	核准 Granted
微乳化混合精油動物飼料添加劑之調節免疫功能評估試驗	主持人 Project Investigator	2017	嘉義大學產學合作計畫	核准 Granted
毛木耳全株分級利用之高加價值產品開發	共同主持人	2017	行政院農業委員會	核准 Granted
開發和睦蛋白在雞隻之應用	主持人 Project Investigator	2018	嘉義大學產學合作計畫	核准 Granted
月桃全珠加值研究—(1)月桃葉 90 天餵食試驗	主持人 Project Investigator	2019	嘉義大學產學合作計畫	核准 Granted
月桃全珠加值研究—(2)免疫調節評估	主持人 Project Investigator	2020	嘉義大學產學合作計畫	核准 Granted
建立鶴鶉試驗平台評估感染疾病症狀緩和之飲水新型添加劑	主持人 Project Investigator	2020	嘉義大學產學合作計畫	核准 Granted
科技部中部科學園區管理局審查案	主持人 Project Investigator	2022	科技部中部科學園區管理局	核准 Granted
太陽能光電設施模式帶動抗病既免疫強化動物保健計畫	主持人 Project Investigator	2022	嘉義大學產學合作計畫	核准 Granted



## 期刊計畫編審 (Editor and Reviewer)

Guest Editor *Life* 2023 – "Health Benefits of Microbial or Plant-Derived Bioactive Compounds and Their Secondary Metabolites"

Guest Editor *Fermentation* 2023 - "Feed Fermentation: Nutrition and Metabolism"

Editorial board *Experimental and Therapeutic Medicines* 2022 -

Excellence in reviewing SciForschen (Open Hub Scientific Research) 2022

*Experimental and Therapeutic Medicines* 2017 - 2022

*Current Nutrition and Food Sci* 2022

*Poultry Sci.* 2022

*International Journal of Vaccines and Immunization* 2022

國科會 102 – 105

*Biomedical Report* 2016, 2017

*African Journal of Biotechnology* 2016

*Food Research International* 2010, 2011, 2017, 2020

*Iranian Journal of Animal Sciences* 2011 - 2015

*Journal of Agriculture Food Chemistry* 2012

*International Journal of Biological Macromolecules* 2015