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長庚科技大學

CHANG GUNG UNIVERSITY OF SCIENCE AND TECHNOLOGY

慢性疾病暨健康促進研究中心

Chronic Diseases and Health Promotion Research Center

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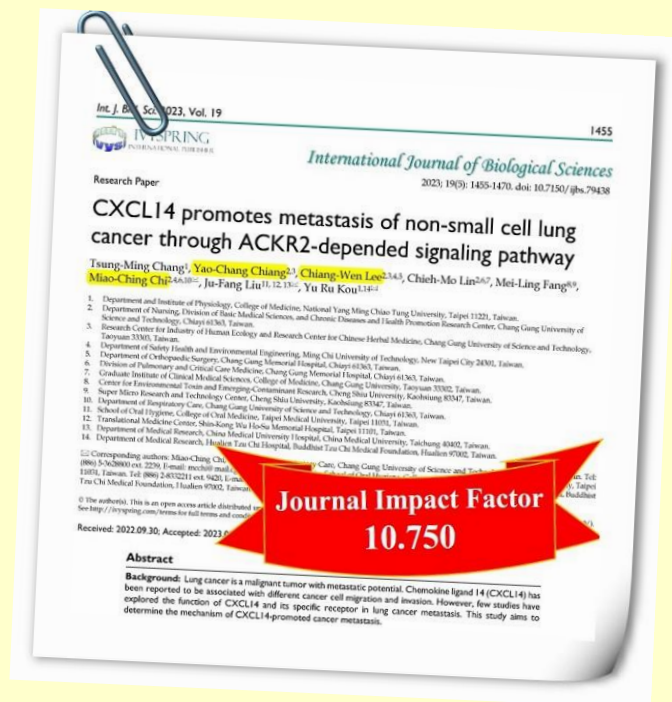
Announcements



◎ 賀張嘉秀老師參加 International Conference of Health Evaluation and Promotion 2022 (ICHEP 2022)，以題目「The Association between Frailty and Social Isolation for Community-dwelling older adults」海報參展，榮獲最佳論文獎。

◎ 恭賀江耀璋老師、李江文老師、紀妙青老師發表高品質學術論文：

Chang, T. M., Chiang, Y. C., Lee, C. W., Lin, C. M., Fang, M. L., Chi, M. C.*, ... & Kou, Y. R. (2023). CXCL14 promotes metastasis of non-small cell lung cancer through ACKR2-depended signaling pathway. *International Journal of Biological Sciences*, 19(5), 1455-1470. (SCIE, IF=10.750, Ranking=28/297 in BIOCHEMISTRY & MOLECULAR BIOLOGY)



◎ 祝賀以下成員、教師文章刊登(江耀璋、李江文、紀妙青、林資展、唐心如、陳美燕、張家豪、劉瑞芳) 和研討會發表(張嘉秀)：

Peer- Reviewed Journal Papers:

陳瑞娥、羅子涵、陳慧秦、**劉瑞芳***。(2022)。兒童急性呼吸道疾病的氣道清除治療。《長庚科技學刊》，(37)，17-28。

Lin, Z. C., Hsu, C. Y., Hwang, E., Wang, P. W., & Fang, J. Y. (2022). The role of cytokines/chemokines in an aging skin immune microenvironment. *Mechanisms of Ageing and Development*, 20, 111761.

Nirmal, G. R., **Lin, Z. C.**, Lin, C. H., Sung, C. T., Liao, C. C., & Fang, J. Y. (2022). Polydopamine/IR820 nanoparticles as topical phototheranostics for inhibiting psoriasiform lesions through dual photothermal and photodynamic treatments. *Biomaterials Science*, 10(21), 6172-6189.

Lee, M. C., Hua, Y. M., Yang, C. T., Kuo, F. H., Chang, W. T., **Tang, H. J.**, ... & Liao, C. T. (2022). Clinical efficacy of SGLT2 inhibitors with different SGLT1/SGLT2 selectivity in cardiovascular outcomes among patients with and without heart failure: A systematic review and meta-analysis of randomized trials. *Medicine*, 101(51), e32489.

Huang, Y. T., Lin, M. S., James, K., **Chang, C. H.**, Tsai, W. H., Lin, Y. C., & **Chen, M. Y.*** (2023). From self-care behaviours to cardiometabolic risks prevention for the health of farmers: Nursing implications. *Journal of Advanced Nursing*. Doi : <https://doi.org/10.1111/jan.15571>.

Lee, C. W., **Lin, Z. C.**, **Chiang, Y. C.**, Li, S. Y., Ciou, J. J., Liu, K. W., ... & Lai, C. H. (2023). AuAg nanocomposites suppress biofilm-induced inflammation in human osteoblasts. *Nanotechnology*, 34(16), 165101.

Chang, T. M., **Chiang, Y. C.**, **Lee, C. W.**, Lin, C. M., Fang, M. L., **Chi, M. C.***, ... & Kou, Y. R. (2023). CXCL14 promotes metastasis of non-small cell lung cancer through ACKR2-depended signaling pathway. *International Journal of Biological Sciences*, 19(5), 1455-1470.

Chang, S. L. Y., **Lee, C. W.[†]**, Yang, C. Y., **Lin, Z. C.**, Peng, K. T., Liu, S. C., ... & Tang, C. H. (2023). IOX-1 suppresses metastasis of osteosarcoma by upregulating histone H3 lysine trimethylation. *Biochemical Pharmacology*, 210, 115472.

Lin, C. Y., Yu, H. P., Chang, Y. T., **Lin, Z. C.**, Alalaiwe, A., Hwang, T. L., & Fang, J. Y. (2023). Targeting anti-inflammatory immunonanocarriers to human and murine neutrophils via the Ly6 antigen for psoriasiform dermatitis alleviation. *Biomaterials Science*, 11(3), 873-893.

Conference Proceedings/Published Abstracts

陳麗文、林昱宏、詹鼎正、李怡萱、楊昆澈、張嘉秀*。(2022)。探討老年人社會隔離與腎功能之相關性研究。社區攜手銀造在地健康關懷-高齡活躍、在地老化及海洋樂活實踐的躍升-健康照顧與社會工作的相遇」高教深耕社會實踐成果發表暨學術研討會。

張嘉秀、王俞蓉、張詩悠、黃亦廷、唐唯瑞、林昱宏。(2023)。AI 圖像辨識應用於老人咀嚼能力分級之前驅研究。2023 咀嚼吞嚥困難跨領域照護國際研討會。

張嘉秀、林昱宏、王翠雲、涂芸瑄、蘇宇彬、陳睿華、顏和儀、楊苑婷。(2023)。村落車社區供餐準備-偏鄉老人咀嚼吞嚥、營養狀態與肌少症評估。2023 咀嚼吞嚥困難跨領域照護國際研討會。

Lin, Y. H., Chan, D. C., Lee, Y. H., Yang, K. C., Chang, C. H.* (2022). The Association between Frailty and Social Isolation for Community-dwelling older adults. International Conference of Health Evaluation and Promotion 2022.

Special Lectures

作為藥物替代品的營養保健品的研究_開發粉末補充劑改善健康

New studies in Nutraceuticals as Alternative for Pharmaceuticals To the generation of micronized dietary products and other nutraceutical supplements with improved health benefits

郭星君 Hsing-Chun Kuo ^{1,2,3,4,*}

1 長庚科技大學嘉義分部護理系基礎醫學組

2 嘉義長庚紀念醫院

3 長庚科技大學食品暨化妝品安全研究中心

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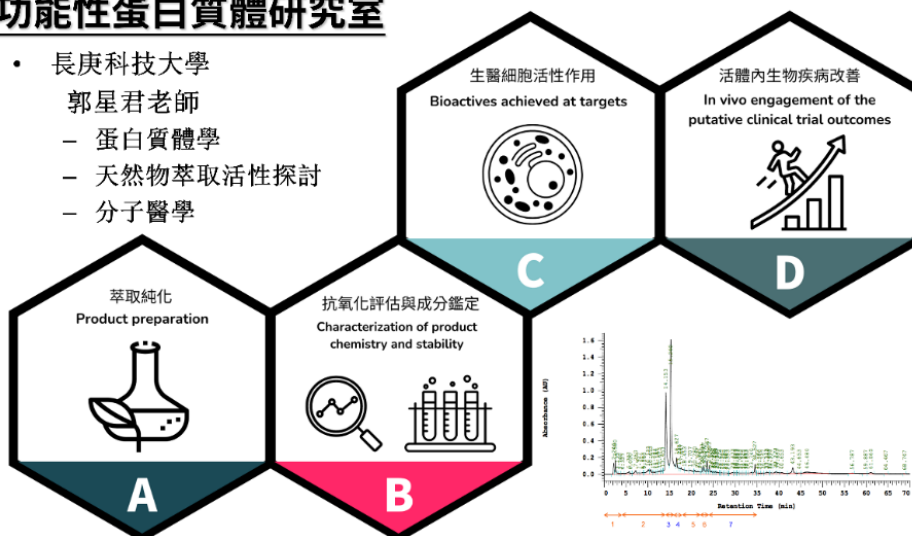
營養品(Nutraceutic)是源自「營養」和「藥劑學」的新字。該字適用於從草藥產品、膳食補充劑、特定飲食和加工食品(如穀物、湯和飲料)中分離出來的產品。保健品是除營養品外，還用作藥物的產品。營養保健品定義為一種物質，為具有健康促進或提供預防慢性疾病保護的物質。是除營養補充品外，另還用作藥物的產品。營養保健品可用於改善健康、延緩衰老、預防慢性病、延年益壽，且支持身體的結構或功能。最近許多研究顯示，許多天然物在各種疾病功效中獲得很多成果。這些功效作用疾病症狀與環境壓力因子相關，包括過敏、心血管疾病、癌症、糖尿病、眼疾、免疫疾病、慢性發炎和帕金森氏病以及肥胖症。保健品的作用機制尚不完全清楚，可能涉及多種



生物過程，包括細胞膜上訊號傳導路徑的活化、抗氧化反應、基因表達、細胞增殖、分化和線粒體完整性的保護等。我們實驗室先前從數種食品及天然物中篩選，發現魚腥草/蒲公英/白鶴靈芝草是傳統藥用草本植物，對身體有很多功效。因此本計劃針對已經開發的魚腥草/蒲公英/白鶴靈芝草萃取成分，進行抗發炎、保護發炎傷害作用、保護氧化損傷、降低脂肪肝功效，進行功能性開發，可望拓展營養品成分功效。

功能性蛋白質體研究室

- 長庚科技大學
郭星君老師
 - 蛋白質體學
 - 天然物萃取活性探討
 - 分子醫學



Product preparation 萃取純化 (A), Characterization of product chemistry and stability 抗氧化評估與成分鑑定 (B), Bioactives achieved at targets 生醫細胞活性作用 (C), In vivo engagement of the putative clinical trial outcomes 活體內生物疾病改善 (D)

Events and Calls for Abstracts

2023 International Conference on Occupational Hygiene and Occupational Medicine

April 21 - 23, 2023, Taipei, Taiwan

11th International DIP Symposium on Diabetes, Hypertension, Metabolic Syndrome & Pregnancy: Innovative Approaches in Maternal Offspring Health

May 4 - 6, 2023, Thessaloniki, Greece

2023 National Network of Public Health Institutes (NNPHI) Annual Conference

May 9 - 11, 2023, Washington, DC

International Council of Nurses (ICN) Congress

July 1 - 5, 2023, Montreal, Canada



第 18 屆台塑企業應用技術研討會

July 9, 2023, New Taipei City, Taiwan

Abstract deadline: April 21, 2023

34th International Nursing Research Congress

July 20 - 23, 2023, Abu Dhabi, United Arab Emirates

IDF-WPR Congress 2023/15th Scientific Meeting of AASD

International Diabetes Federation Western Pacific Region Congress 2023

15th Scientific Meeting of the Asian Association for the Study of Diabetes

July 21 - 23, 2023, Kyoto, Japan

2023 年國際環境流行病學學會研討會

35th Annual Conference of the International Society for Environmental Epidemiology (ISEE)

September 17 - 20, Kaohsiung, Taiwan

23rd Asian Congress on Occupational Health (ACOH 2023)

November 22 - 25, 2023, Daegu, Korea

Abstract deadline: May 31, 2023

2023 Annual Congress of Taiwan Society of Pulmonary and Critical Care

Medicine And Taiwan Society of Thoracic Surgeons, Taiwan Association of Thoracic & Cardiovascular Surgery Joint Conference

December 9 - 10, 2023, Taipei, Taiwan

21st International Congress of Endocrinology

March 1 - 3, 2024, Dubai, UAE



Funding Opportunities

◎國家科學及技術委員會申請訊息：

2024 年度臺日(NSTC-RIKEN)雙邊協議國際合作研究計畫

Deadline: April 17, 2023



2024 年度臺蒙(NSTC-MECSS/MFST)雙邊協議國際合作研究計畫

Deadline: April 28, 2023

2024-2026 年度臺灣-拉脫維亞-立陶宛(臺拉立)三邊協議國際合作研究計畫

Deadline: May 2, 2023

2024 年臺斯(NSTC-SAS) 雙邊協議國際合作計畫

Deadline: May 26, 2023

2024 年臺波(NSTC-NCBR)雙邊協議國際合作計畫及國際合作鏈結法人計畫

Deadline: June 12, 2023

2024-2025 年臺韓(NSTC-NRF)共同研究計畫

Deadline: June 16, 2023

2024-2025 年臺德(NSTC-DAAD)雙邊合作計畫人員交流計畫

Deadline: June 21, 2023