



December 2024 Volume 57

[Home](#)

[Announcements](#)

[Special Lectures](#)

[Events and Calls for Abstracts](#)

[Grant Funding Opportunities](#)

Home

慢性疾病暨健康促進研究中心網站 [Visit our website](#)

連絡我們 [Email us](#)

Announcements

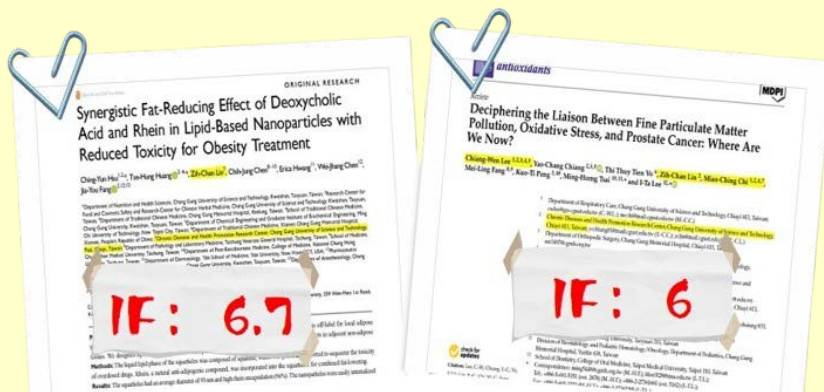
◎ 恭賀李江文老師、紀妙青老師及林資展助理研究員發表高品質學術論文：



- Lee, T. L., Shen, W. C., Chen, Y. C., Lai, T. C., Lin, S. R., Lin, S. W., Yu, I. S., Yeh, Y. H., Li, T. K., Lee, I. T., **Lee, C. W.***, & Chen, Y. L. (2024). Mir221- and Mir222-enriched adsc-exosomes mitigate PM exposure-exacerbated cardiac ischemia-reperfusion injury through the modulation of the BNIP3-MAP1LC3B-BBC3/PUMA pathway. *Autophagy*, 1-20. (SCIE, IF=14.6, Ranking=13/205 in CELL BIOLOGY).

本研究探討了 PM 暴露通過線粒體自噬和細胞凋亡對 I/R 引起的心臟損傷的影響，以及脂肪幹細胞衍生的外泌體 ADSC-Exos 中 Mir221 和 Mir222 的潛在作用。研究證實了 ADSC-Exos 在緩解 PM 誘導的心肌 I/R 損傷惡化中的新型治療潛力，而獲得該期刊的接受。

- Hsu, C. Y., Huang, T. H., **Lin, Z. C.**, Chen, C. J., Hwang, E., Chen, W. J., & Fang, J. Y. (2024). Synergistic Fat-Reducing Effect of Deoxycholic Acid and Rhein in Lipid-Based Nanoparticles with Reduced Toxicity for Obesity Treatment. *International Journal of Nanomedicine*, 12129-12151. (SCIE, IF=6.7, Ranking=19/354 in PHARMACOLOGY & PHARMACY)
- **Lee, C. W.**, Chiang, Y. C., Vo, T. T. T., **Lin, Z. C.**, **Chi, M. C.**, Fang, M. L., ... & Lee, I. T. (2024). Deciphering the Liaison Between Fine Particulate Matter Pollution, Oxidative Stress, and Prostate Cancer: Where Are We Now?. *Antioxidants*, 13(12), 1505. (SCIE, IF=6, Ranking=8/72 in CHEMISTRY, MEDICINAL)



◎ 賀紀妙青老師與畢業學生(劉家玉、蔡如屏、呂妍伶、李亭儀)以發明專利「磨藥裝置」參加 2024 年第 15 屆 IIC 國際創新發明競賽，榮獲金牌。



◎ 祝賀以下成員、教師文章刊登(李江文、林資展、紀妙青、陳美燕)：

Journal Papers:

Hsieh, K. L., Chang, C. H., Lin, Y. C., Huang, T. J., & **Chen, M. Y.*** (2024). Lifestyle and risk factors associated with elevated prostate-specific antigen levels in rural men: implications for health counseling. *Frontiers in Oncology*, 14, 1451941.

Lin, M. S., Tu, Y. C., Lin, Y. S., Lin, M. H., Lin, C. L., Tsai, M. H., ..., **Chen, M. Y.**, & Shi, C. S. (2024). Association between galectin-3 and hepatosteatosis in a community-based cross-sectional study. *Therapeutic Advances in Chronic Disease*, 15. <https://doi.org/10.1177/20406223241302719>

Lee, C. W., Chiang, Y. C., Vo, T. T. T., **Lin, Z. C.**, **Chi, M. C.**, Fang, M. L., ... & Lee, I. T. (2024). Deciphering the Liaison Between Fine Particulate Matter Pollution, Oxidative Stress, and Prostate Cancer: Where Are We Now?. *Antioxidants*, 13(12), 1505.

Liang, H. Y., Lee, W. K., Hsu, J. T., Shih, J. Y., Ma, T. L., Vo, T. T. T., **Lee, C. W.**, ... & Lee, I. T. (2024). Polycaprolactone in Bone Tissue Engineering: A Comprehensive Review of Innovations in Scaffold Fabrication and Surface Modifications. *Journal of Functional Biomaterials*, 15(9), 243.

Lee, I. T., Yang, C. C., Lin, Y. J., Wu, W. B., Lin, W. N., **Lee, C. W.**, ... & Yang, C. M. (2024). Mevastatin-Induced HO-1 Expression in Cardiac Fibroblasts: A Strategy to Combat Cardiovascular Inflammation and Fibrosis. *Environmental Toxicology*. <https://doi.org/10.1002/tox.24429>

Hsu, C. Y., Huang, T. H., **Lin, Z. C.**, Chen, C. J., Hwang, E., Chen, W. J., & Fang, J. Y. (2024). Synergistic Fat-Reducing Effect of Deoxycholic Acid and Rhein in Lipid-Based Nanoparticles with Reduced Toxicity for Obesity Treatment. *International Journal of Nanomedicine*, 12129-12151.

Special Lectures

牙科材料「醚」人新選擇

台北醫學大學牙醫學系 彭子祐助理教授

隨著全球人口高齡化與美學需求的提升，各年齡層對牙科修復材料的要求正從傳統功能性轉向兼具美觀與生物相容性。然而，傳統金屬與合金材料因潛在的過敏風險與不自然的金屬光澤而受到限制。儘管氧化鋁陶瓷具備卓越的機械性能與美觀效果，但其高硬度與缺乏減震緩衝特性，可能導致鄰牙與對頰牙的不良應力集中，進一步限制了在特定臨床情境中的應用。為解決上述挑戰，高性能熱塑性高分子材料－聚醚醚酮（polyetheretherketone，簡稱為 PEEK）近年來在牙科修復領域嶄露頭角。

講者彭子祐助理教授的研究專長主要在於 PEEK 的機械性質與黏結強度探討以及牙科材料的生物相容性分析，本次演講他以自身對於 PEEK 材料的鑽研與研究，深入探討 PEEK 的材料學基礎與其在牙科修復中的應用潛力。PEEK 的主要優勢包括輕量化、抗過敏、無金屬反光，並可透過 CNC 加工與 3D 列印等多種製程，實現高度精準的客製化牙科修復設計。特別是在高齡患者的牙科修復中，PEEK 展現出卓越的應用潛力。例如，作為活動假牙支架材料，PEEK 在提供充足機械支撐的同時，具備輕便與舒適的特性，顯著提升患者的生活品質。PEEK 的創新應用為牙科修復領域開創了新的視野，推動傳統材料替代方案邁向更高層次，為臨床應用與研究發展帶來更多可能性。



Events and Calls for Abstracts

World Endocrine, Diabetes & Cardiovascular Conference (EDCC25)

March 8 - 9, 2025, Bangkok, Thailand

第 39 屆生物醫學聯合學術年會

March 22 - 23, 2025, Taipei, Taiwan

第 17 屆亞洲糖尿病研究協會會議(AASD 2025)暨社團法人中華民國內分泌暨糖尿病學會第十六屆第一次會員大會暨學術研討會(2025 年會)

March 28 - 30, 2025, Taipei, Taiwan

International Diabetes Federation (IDF) World Diabetes Congress 2025

April 7 - 10, 2025, Bangkok, Thailand

European Public Health and Epidemiology Conference

April 28 - 29, 2025, Lisbon, Portugal

2025 International Council of Nurses (ICN) Congress

June 9 - 13, 2025, Helsinki, Finland

36th International Nursing Research Congress

July 17 - 20, 2025, Seattle, Washington, USA

22nd International Association for Group Psychotherapy and Group Processes (IAGP) International Congress

August 20 - 23, 2025, Sapporo, Japan

Abstract deadline: February 28, 2025

2025 International Conference on Survey Methodology, Application, and New Developments

August 21 - 22, 2025, Taipei, Taiwan

Abstract deadline: February 28, 2025

51th International Society for Pediatric and Adolescent Diabetes Annual Conference (ISPAD 2025)

November 5 - 8, Montreal, Canada



Grant Funding Opportunities

◎國家科學及技術委員會申請訊息：



114 年度「科普活動計畫」

Deadline: January 21, 2024

2026 年臺灣-奧地利(NSTC-FWF)雙邊協議國際合作研究計畫

Deadline: January 22, 2024

2026-2028 年臺灣-德國(NSTC-DFG)雙邊協議國際合作研究計畫

Deadline: February 5, 2024

114 年度技專校院實務型研究專案計畫

Deadline: February 5, 2024

114 年度推動疾病導向之生醫資料基盤優化與科技應用計畫之「以疾病為導向之生醫資料加值」計畫

Deadline: February 27, 2024

114 年度推動疾病導向之生醫資料基盤優化與科技應用計畫之「生醫資料之轉譯研究與應用」計畫

Deadline: February 27, 2024