

## 近五年內學術研究發表:

### 期刊論文 Peer-Reviewed Journal Articles (Journal's performance reviewed by Journal Citation Reports)

1. Linden, A. M., Burke, S. J., Pirzadah, H. A., **Huang, T. Y.**, Batdorf, H. M., Walid K. Mohammed, W. K.,...Noland, R. C. (2023) Pharmacological inhibition of lipolysis prevents adverse metabolic outcomes during glucocorticoid administration. *Molecular Metabolism*. 74, 101751. [2022 JIF: 8.100; Rank by JIF (Endocrinology & Metabolism): 15/184 Q1] 引用次數: 1
2. **Huang, T. Y.**, Linden, A. M., Fuller, S. E., Goldsmith, F. R., Simon, J., Batdorf, H. M., Scott, M. C., . . . Noland, R. C. Combined effects of a ketogenic diet and exercise training alter mitochondrial and peroxisomal substrate oxidative capacity in skeletal muscle. *Am J Physiol Endocrinol Metab*, 320: E1053–E1067, 2021. [2021 JIF: 5.900; Rank by JIF (Physiology): 9/86 Q1] 引用次數: 19
3. **Huang, T. Y.**, Goldsmith, F. R., Fuller, S. E., Simon, J., Batdorf, H. M., Scott, M. C., . . . Noland, R. C. (2020). Response of liver metabolic pathways to ketogenic diet and exercise are not additive. *Med Sci Sports Exerc*, 52(1), 37–48. doi:10.1249/MSS.0000000000002105 [2020 JIF: 5.411; Rank by JIF (Sports Sciences): 8/88 Q1] 引用次數: 8
4. Burke, S. J., Batdorf, H. M., **Huang, T. Y.**, Jackson, J. W., Jones, K. A., Martin, T. M., . . . Collier, J. J. (2019). One week of continuous corticosterone exposure impairs hepatic metabolic flexibility, promotes islet beta-cell proliferation, and reduces physical activity in male C57BL/6J mice. *J Steroid Biochem Mol Biol*, 195, 105468. doi:10.1016/j.jsbmb.2019.105468 [2019 JIF: 3.813; Rank by JIF (Biochemistry & Molecular Biology) 109/297 Q2] 引用次數: 13
5. **Huang, T. Y.**, Zheng, D., Hickner, R. C., Brault, J. J., & Cortright, R. N. (2019). Peroxisomal gene and protein expression increase in response to a high-lipid challenge in human skeletal muscle. *Metabolism-Clinical Experi*, 98, 53-61. doi:10.1016/j.metabol.2019.06.009 [2019 JIF: 6.159; Rank by JIF (Endocrinology & Metabolism): 17/143 Q1] 引用次數: 9
6. Fuller, S. E., **Huang, T. Y.**, Simon, J., Batdorf, H. M., Essajee, N. M., Scott, M. C., . . . Noland, R. C. (2019). Low-intensity exercise induces acute shifts in liver and skeletal muscle substrate metabolism but not chronic adaptations in tissue oxidative capacity. *J Appl Physiol* (1985), 127(1), 143-156. doi:10.1152/jappphysiol.00820.2018 [2019 JIF: 3.044; Rank by JIF (Sport Sciences): 18/85 Q1]

### 研討會論文

1. **Huang, T.Y.**, Worsham, E.A., Brits, D., Simon, J., Campagna, S.R., Ghosh, S., Baes, M., Mynatt, R.L., and Noland, R.C. Peroxisomes Protect Mitochondria and Coordinate Metabolic Flexibility in Skeletal Muscle. *Keystone Symposia- Mitochondrial Biology in Health and Disease*. Taipei, Taiwan. January. 2025.
2. Chen, L.R., **Huang, T.Y.**, Kuo, I.L., Chang, S.H. Efficacy of the Digital Physical Activity Platform on Physical Fitness of Citizens in Taipei: A Pilot Study. *2023 Asian Association of Sport Management Conference*. Sarawak-Kuching, Malaysia. August. 2023.
3. **Huang, Y.C.**, **Huang, T.Y.**, Ho, H.H., & Chang, S.H., *The Effects of a Digital Physical Interactive System on Quality of Life, Life Satisfaction, and Health Promotion: A pilot Study*. *2023 Asian Association of Sport Management Conference*. Sarawak-Kuching, Malaysia. August. 2023.
4. **Huang TY**, Huang YC, Chen LR, Kuo IL, Ho HH, Chang SH. A Survey of Public Demand and Current Situation of a Digital Ecological Physical Activity Interactive System. *2023 International Conference of Sport, Leisure, and Hospitality Management*. Taipei, Taiwan. May. 2023.
5. Linden, M.A., Burke, S.J., Batdorf, H.M., **Huang, T.Y.**, Pirzadah, H.A., Burk, D.H., Ghosh, S., Campagna, S.R., Collier, J.J., and Noland, R.C. Pharmacological Inhibition of Lipolysis Prevents Adverse Metabolic Outcomes During Glucocorticoid Therapy. *Obesity Week*, Nov. 2021.
6. **Huang TY**, Pirzadah HA, and Noland RC. Peroxisomal adaptations in response to a high fat diet do not require PGC1 $\alpha$  in mouse skeletal muscle. *Obesity Week*, Las Vegas, Nevada, Nov. 2019).
7. Cortright RC, **Huang TY**, Kwak HB, Zheng D, Hickner RC, Brault JJ, Woodlief T. Skeletal Muscle Lipid Dysregulation: A Tale of Two Organelles. *4th International Conference on Obesity and Chronic Diseases*, San Francisco, CA, July 2019).

### 專利著作

- 2024 US Patent: **Huang TY**, Chiu CY, Lee, LY. Method for building up an energy metabolism system for monitoring exercise. (Patent No: US12017115B2). Date: Jun. 25, 2024.
- 2023 US Patent: Chen SH, Chen PY, **Huang TY**, Liu YT. Method for determining maximum value of heart activity parameter of user performing physical activity (Patent No: US11839456B2). Date: Dec. 12, 2023.
- 2022 Taiwan Patent: 郭信甫, 潘漢聰, 邱建益, **黃泰諭**. A method for monitoring an exercise session with multiple

schemes (Patent No: TWI756754B). Date: Mar. 03, 2022.

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