



Name Feng-Tzu Chen, PhD
Current positions Assistant Professor, Department of Sports Medicine,
China Medical University

Telephone +886-919-257-337
E-mail alexnewtaipei@gmail.com
E-Portfolio Website <https://cmussm.cmu.edu.tw/teacher/147>
Personal Website

Education

Visiting scholar in Department of Psychology, University of Pittsburg, USA (2017)
PhD in Graduate Institute of Athletics and Coaching Science, National Taiwan Sport University, Taiwan (2018)
Postdoc in Department of Physical Education, National Taiwan Normal University, Taiwan (2018-2019)
Postdoc in Ministry of Science Technology, Taiwan (2020-2021)

Expertise

Exercise Psychology
Sports Psychology
Physical Activity and Neuroscience

Research Interests

My primary research interest is in the area of physical activity and neuroscience (i.e., Electroencephalography, Magnetic Resonance Imaging), examining the relationship between physical activity and higher-order cognitive function across lifespan; and the application of physical activity as a means for improving cognitive and brain health. Current works mainly focused on the effects of exercise on cognitive function in children and older adults.

Selected Publications

1. **Chen, F. T.**, Etnier, J. L., Chan, K. H., Chiu, P. K., Hung, T. M., Chang, Y. K. (2020). Effects of exercise training interventions on executive function in older adults: A systematic review and meta-analysis. *Sports Medicine*, 50(8), 1451-1467. **【SCI, IF= 13.8; ranking in Sport Sciences: 2/83, 1.77%, Q1】**
2. **Chen, F. T.**, Hopman, R. J., Huang, C. J., Chu, C. H., Hillman, C. H., Hung, T. M., Chang, Y. K. (2020). The effect of exercise training on brain structure and function in older adults: A systematic review based on evidence from randomized control trials. *Journal of Clinical Medicine*, 9(4), 914. **【SCI, IF=3.30; ranking in Medicine, General & Internal= 36/165, 11.62%, Q1】**
3. **Chen, F. T.**, Erickson, K. I., Huang, H., Chang, Y. K. (2020). The association between physical fitness parameters and white matter microstructure in older adults: A diffusion tensor imaging study. *Psychophysiology*, 57(5), e13539. **【SSCI, IF= 3.69; ranking in Psychology, experimental:11/77, 13.64%, Q1】**
4. **Chen, F. T.**, Chen, Y. P., Schneider, S., Kao, S. C., Huang, C. M., Chang, Y. K. (2019). Effects of exercise modes on neural processing of working memory in Late middle-aged adults: An fMRI study. *Frontiers in Aging Neuroscience*, 11, 224. **【SCI, IF= 4.36; ranking in Geriatric & Gerontology, experimental: 9/51, 16.66%, Q1】**
5. **Chen, F. T.**, Etnier, J. L., Wu, C. H., Cho, Y. M., Hung, T. M., Chang, Y. K. (2018). Dose-response relationship between exercise duration and executive function in older adults. *Journal of Clinical Medicine*, 7(9), 279. **【SCI, IF =5.68, ranking in Medicine, General & Internal= 15/160, 9.17%, Q1】**