

Dr. Chi-Kuang Sun (孫繼光)

澳洲雪梨新南威爾斯大學心理學博士  
(QS 學校世界排名 43、心理學系世界排名 24)

國立中興大學運動與健康管理研究所  
博士後研究員

研究興趣：社會心理學、社會神經科學、  
發展認知神經科學、教育神經科學、情緒  
與動機、身體活動、靜態行為、身心健康。



E-mail: hikaru924@gmail.com

Phone number: 886-921-765918

### Publications (English journal articles)

1. Sun, C.K., & Harmon-Jones, E. (2021). Supine body posture reduces cognitive conflict processing: Evidence from N450 Stroop interference. *Psychophysiology*, 58(1), e13693. (SCI, IF: 4.016, Q1 in Psychology, Q1 in Psychology, Biological, & Q1 in Psychology, Experimental)
2. Harmon-Jones, E., & Sun, C.K. (2021). A supine body posture reduces the error-related negativity: A test of a dissonance theory prediction. *Motivation Science*, 7(4), 375-385. (Publisher: American Psychological Association [APA])
3. Hsueh, M.C., Stubbs, B., Lai, Y.J., Sun, C.K., & Chen, L.J. & Ku, P.W. (2021). A dose response relationship between accelerometer assessed daily steps and depressive symptoms in older adults: A two-year cohort study. *Age and Ageing*, 50(2), 519-526. (SCI, IF: 10.668, Q1 in Geriatrics & Gerontology)

### Publications (Chinese journal articles)

1. 孫繼光、陳俐蓉、古博文 (2021)。青少年靜態行為與身心健康之文獻回顧。[A review of sedentary behavior and health in adolescents.] *中華體育季刊*, 35(4), 271-282。(TSSCI)
2. 古博文、陳俐蓉、孫繼光、薛名淳 (2021)。輕度身體活動的健康價值被低估了嗎？[Are health benefits of light-intensity physical activity underestimated?] *台灣公共衛生雜誌*, 40(1), 30-40。(TSSCI)
3. 黃冠宇、陳俐蓉、劉羿德、孫繼光、古博文 (2021)。臺灣青少年靜態行為問卷之發展。[Development of a sedentary behavior questionnaire for Taiwanese adolescents.] *體育學報*, 54(1), 51-63。(TSSCI)
4. 孫繼光、周毓瑩、陳巧雲、洪蘭 (2008)。運用認知神經科學的方法探討性侵害犯處理煽情情緒時的神經機制。 *刑事政策與犯罪研究論文集*, 11, 159-187。

## Education

**Ph.D. in Psychology** (UNSW, Sydney) Sep. 2013 – June 2019

Areas of Expertise: Psychophysiology & Social Neuroscience *Ph.D. degree was awarded in March 2020.*

School of Psychology

The University of New South Wales

Thesis title:

The Influence of Body Posture on Cognitive and Social-Cognitive Conflict: Event-Related Potential Studies

Supervisor: Prof. Eddie Harmon-Jones

**Master of Science in Cognitive Neuroscience** Sep. 2005 – Jan. 2008

Institute of Neuroscience

National Yang-Ming University, Taiwan

(現為國立陽明交通大學)

Thesis title:

The Dual-Use Consequences of Emotion on Cognition: Neural Correlates of Emotion Regulation in Healthy Controls and Sex Offenders

情緒對於認知的雙面刃效果：利用事件相關腦電位探討性侵害犯的「情緒調控」功能及與正常控制組之比較

Supervisor: Prof. Daisy L. Hung (洪蘭教授)

**Bachelor of Science in Psychology** Sep. 2000 – June 2004

Department of Psychology

Chung Yuan Christian University, Taiwan

## Research/Work Experiences

**Postdoctoral Researcher** Feb. 2022 – Current

Graduate Institute of Sports and Health Management, National Chung

Hsing University, Taiwan

國立中興大學運動與健康管理研究所

Project: Sedentary behaviors in adolescents

青少年靜態行為之整合型研究總計畫

Prof. Po-Wen Ku (古博文教授)

**Postdoctoral Researcher** Aug. 2020 – Jan. 2022

Graduate Institute of Sports and Health, National Changhua University

of Education, Taiwan

國立彰化師範大學運動健康研究所

Project: Sedentary behaviors in adolescents

青少年靜態行為之整合型研究總計畫

Prof. Po-Wen Ku (古博文教授)

**Research Assistant**

Aug. 2010 – July 2012

Department of Psychology, Fu Jen Catholic University, Taiwan

輔仁大學心理學系

Project: The investigation on the attentional capturing mechanism of affective stimuli

情緒性刺激注意力捕捉機制之探討

Prof. Yang-Ming Huang (黃揚名教授)

**Sergeant, Military Service**

Aug. 2009 – July 2010

Taichung Armed Forces General Hospital (國軍臺中總醫院)

**Research Assistant**

Nov. 2008 – June 2

Institute of Brain Science, National Yang-Ming University, Taiwan

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國立陽明大學腦科學研究所

Project: Brain imaging of emotional information processing

情緒感知歷程之腦神經網路造影

Prof. Li-Fen Chen (陳麗芬教授)

**Research Assistant**

Feb. 2008 – Oct. 20

Laboratories for Cognitive Neuroscience

08

Institute of Neuroscience, National Yang-Ming University, Taiwan

國立陽明大學神經科學研究所認知神經科學實驗室

Prof. Daisy L. Hung (洪蘭教授)

**Teaching Experience**

**Invited Lecturer**

2022/04/18

Course: Sport Psychology (運動心理學)

2022/04/19

Course: Research in Sport and Health Science (運動與健康研究)

2022/04/25

Graduate Institute of Sports and Health Management, National Chung

2022/04/26

Hsing University, Taiwan

2022/05/02

國立中興大學運動與健康管理研究所

2022/05/03

Prof. Po-Wen Ku (古博文教授)

共計授課6次、18小時

**Invited Lecturer** 2020/10/27  
Course: Research Methods of Physical Activity and Health (運動與健康  
研究法) 2020/11/24  
2021/10/05  
Course: Statistics and Experimental Design in Sport (運動統計與實驗  
設計) 2021/10/19  
2021/10/26  
Graduate Institute of Sports and Health, National Changhua University  
of Education, Taiwan 共計授課 8 次、24 小時  
國立彰化師範大學運動健康研究所  
Prof. Po-Wen Ku (古博文教授)

**Invited Talk** 2021/12/04  
Title: Supine body posture reduces cognitive and social-emotional  
conflicts (but not all of them): Evidence from event-related potentials  
studies.  
題目：我們躺平吧？運用事件相關腦電位探討身體姿勢對於認知和  
社會情緒衝突處理的影響。  
Department of Special Education, National Dong Hwa University,  
Taiwan  
國立東華大學花師教育學院特殊教育學系

**Teaching Assistant** Feb. 2009 – June  
Course: Introduction to Affective Neuroscience (情感神經科學導論) 2009  
Institute of Brain Science, National Yang-Ming University, Taiwan  
國立陽明大學腦科學研究所  
Prof. Li-Fen Chen (陳麗芬教授)

## International Conference Presentations

### Paper Presentations

1. **Sun** and Harmon-Jones (April 2017). The influence of body posture on social cognitive conflict: An event-related potential study. Paper presented at the 44th Conference of the Australasian Society for Experimental Psychology, Newcastle, Australia.
2. **Sun** and Harmon-Jones (December 2014). The influence of body posture on processing cognitive conflict. Paper presented at the Social and Emotional Neuroscience Extravaganza, University of New South Wales, Australia.
3. **Sun** and Harmon-Jones (November 2014). The embodied conflict monitoring. Paper presented at the 7th Annual Sydney Psychology Postgraduate Conference, University of Sydney, Australia.

### Poster Presentations

1. **Sun, C.K.**, Chen, L.J., & Ku, P.W. (September 2021). The harmful effects of sedentary behavior on adolescent health: An overview of systematic reviews and meta-analyses. The 15th International Society of Sport Psychology (ISSP 2021) Congress, Taipei, Taiwan.
2. **Sun** and Harmon-Jones (May 2020). The influence of body posture on cognitive, social, and emotional conflict: Event-related potential studies. The 13th Annual Meeting for the Social and Affective Neuroscience Society, Santa Barbara, United States. (Conference was canceled due to coronavirus.)
3. **Sun** and Harmon-Jones (November 2017). The influence of body posture on social cognitive conflict: An event-related potential study. The 27th Annual Meeting for the Australasian Society for Psychophysiology, Sydney, Australia.
4. **Sun** and Harmon-Jones (May 2015). The influence of body posture on cognitive conflict. The 27th Association for Psychological Science Annual Convention, New York, United States.
5. **Sun** and Harmon-Jones (April 2015). The influence of body posture on cognitive conflict. The Annual Conference of the Society of Australasian Social Psychologists, Newcastle, Australia.
6. **Sun**, Chou, and Harmon-Jones (November 2013). Following Erotic Stimuli, Cognitive Inhibitory Responses are Diminished in Sex Offenders but Enhanced in Healthy Controls. The 23rd Annual Meeting of the Australasian Society for Psychophysiology, University of Wollongong, Australia.
7. **Chi-Kuang Sun**, Yu-Ying Chou, and Li-Fen Chen (October 2010). Neural Correlates of Implicit Attitudes towards Positive and Negative Emotions. The 2010 Annual Meeting for the Social and Affective Neuroscience Society, Chicago, United States.
8. **Chi-Kuang Sun**, Yu-Ying Chou, Chiao-Yun Chen, Ovid Tzeng, and Daisy L. Hung (April 2007). Neural Correlates of Emotion Regulation in Sex Offenders and Healthy Controls: A Go/No-go Task Following Affective Picture Processing. The 2007 Annual Meeting of Cognitive Neuroscience Society, New York, United States.
9. Yu-Ying Chou, **Chi-Kuang Sun**, Chiao-Yun Chen, Ovid Tzeng and Daisy L. Hung (April 2007). Different Performance between Sexual Offenders and Healthy Controls during the Emotional Stroop Task: An ERP Study. The 2007 Annual Meeting of Cognitive Neuroscience Society, New York, United States.

### Conference Presentations in Taiwan

1. **Chi-Kuang Sun** & Yang-Ming Huang (October 2011). The Influence of Irrelevant Emotional Conflict from Facial Expression Depends on Task Requirement. Paper presented at the 50<sup>th</sup> Annual Meeting of Taiwanese Psychological Association, Asia University, Taiwan.

2. **Chi-Kuang Sun** & Yang-Ming Huang (November 2010). Affective salience of spatial cues does not always capture attention more readily. Paper presented at the 49<sup>th</sup> Annual Meeting of Taiwanese Psychological Association, National Chung Cheng University, Taiwan.
3. **Chi-Kuang Sun**, Yu-Ying Chou, & Daisy L. Hung (October 2007). Neural Correlates of Emotion Regulation in Healthy Controls and Sex Offenders: A Go/No-go Task Following Affective Picture Processing. Paper presented at the 46<sup>th</sup> Annual Meeting of Taiwanese Psychological Association, National Cheng Kung University, Taiwan.

### Memberships of Professional Societies

1. The Association for Psychological Science (APS), United States
2. The Social & Affective Neuroscience Society (SANS), United States
3. The Australasian Society for Psychophysiology (ASP), Australia
4. The Society of Australasian Social Psychologists (SASP), Australia
5. Taiwanese Psychological Association (TPA), Taiwan