

# 履 歷 表

李季滉，生物學碩士，自然科學博士

**Jay-Shake Li, Diploma Biology, Dr. rer. Nat.**

## 聯絡地址

國立中正大學心理學系  
嘉義縣民雄鄉大學路 168 號

Tel. 886-5-2720411 ext. 32217

Fax. 886-5-2720857

網址及電子郵件：

e-mail: [psyjsl@ccu.edu.tw](mailto:psyjsl@ccu.edu.tw)

web site: <http://www.psy.ccu.edu.tw/ftproot/~psyjsl/index.htm>

## 現職：

國立中正大學心理學系教授

## 學歷：

- 1984 – 1989 國立清華大學材料科學工程系
- 1989 獲頒國立清華大學學士學位
- 1992 – 1993 化學系, 德國凱塞斯勞頓大學〔 University of Kaiserslautern 〕
- 1993 – 1999 生物系, 德國杜賽道夫大學〔 University of Düsseldorf 〕
- 2000 獲頒德國杜賽道夫大學生物學碩士〔 Diplom Biology 〕
- 2003.7.16 德國杜賽道夫大學自然科學博士〔 Dr. rer. Nat. 〕

## 工作經驗：

- 2003-2008 國立中正大學心理學系助理教授
- 2008-2014 國立中正大學心理學系副教授

2010-2013 國立中正大學心理學系系主任

自 2014 起 國立中正大學心理學系教授

## 教學及研究專長：

生理心理學〔Physiological Psychology〕、行為神經科學〔Behavioral Neuroscience〕、渾沌理論〔Chaos Theory〕。

## 論文著作：

### 期刊 **Journal Articles:**

1. 蕭坤元, 李季滢, 葉家舟 (2018 年 12 月)。創傷後壓力症候群的情節記憶缺損與中醫治療。應用心理研究, 69, 157-205。
2. Yung-Chih Kuo, Che-Yu Lin, Jay-Shake Li, Yung-I Lou (2017). Wheat germ agglutinin-conjugated liposomes incorporated with cardiolipin to improve neuronal survival in Alzheimer's disease treatment, *International Journal of Nanomedicine*, **12**, 1757-1774.
3. Owen Y. Chao, Joseph P. Huston, Jay-Shake Li, An-Li Wang, Maria A. de Souza Silva\* (2016). The Medial Prefrontal Cortex—Lateral Entorhinal Cortex Circuit Is Essential for Episodic-Like Memory and Associative Object-Recognition, *Hippocampus*, **26**, 633-645.
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5. Yu-Ying Mei, Jay-Shake Li. Involvements of stress hormones in the restraint-induced conditioned place preference, *Behavioural Brain Research*, 2013, **256**, 662-668
6. Kuang-Chu Li, Sigmund Hsiao, Jay-Shake Li. Conditioned Taste Aversion as Instrumental Punishment. *Journal of Experimental Psychology: Animal Behavior Processes*, 2013, **39**, 294-297.
7. Jen-Tang Cheng, Jay-Shake Li. Intra-orbitofrontal cortex injection of haloperidol removes the beneficial effect of methylphenidate on reversal learning of spontaneously hypertensive rats in an attentional set-shifting task. *Behavioural Brain Research*, 2013, **239**, 148-154.
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11. Alexey A. Ponomarenko, Jay-Shake Li, Tatiana M. Korotkova, Joseph P. Huston and Helmut L. Haas. Frequency of network synchronization in the hippocampus marks learning, *European Journal of Neuroscience*, 2008, **27**, 3035–3042.
12. Jay-Shake Li and Yuen-Shin Chao. Electrolytic lesions of dorsal CA3 impair episodic-like memory in rats, *Neurobiology of Learning and Memory*, 2008, **89**, 192–198.
13. Jay-Shake Li, Yi-Chen Huang. Early androgen treatment influences the pattern and amount of locomotion activity differently and sexually differentially in an animal model of ADHD, *Behavioural Brain Research*, 2006, **175**, 176-182.
14. Jay-Shake Li, Joachim Krauth and Joseph P. Huston. Operant Behavior of Rats under Fixed-Interval Reinforcement Schedules: A Dynamical Analysis via the Extended Return Map. *Nonlinear Dynamics, Psychology and Life Sciences*, 2006, **10**, 215-240.
15. Jay-Shake Li and Joseph P. Huston. Non-linear dynamics of operant behavior: a new approach via the extended return map. *Reviews in the Neurosciences*, 2002, **13**, 31-57.
16. Dere, E., De Souza Silva, M.A., Topic, B., Fiorillo, C., Sadile, A., Li, J.-S., Frisch, Ch., Huston, J.P. Aged endothelial nitric oxide synthase knockout mice exhibit higher mortality concomitant with decreased open-field exploration and alterations in forebrain neurotransmitter levels. *Genes, Brain and Behavior*, 2002, **1**, 204-213.
17. Caroline Privou, Jay-Shake Li, Rüdiger U. Hasenöhrl and Joseph P. Huston. Enhanced learning by posttrial injection of H1- but not H2 – histaminergic antagonists into the Nucleus Basalis Magnocellularis region. *Neurobiology of Learning and Memory*, 1999, **71**, 308-324.

### 碩士論文

Nichtlineare Dynamische Eigenschaften des „Corral“ Paradigmas ( „Corral“ 實驗的非線性動力學性質 ), University of Düsseldorf, 2000.

### 博士論文

Non-linear dynamical analysis of operant behavior, University of Düsseldorf, 2003.

### 研討會論文集

1. Shih-Che Lin and Jay-Shake Li (2008.10.01). A Synergetic Model for Operant Behaviors under the Control of Fixed Interval Reinforcement Schedules, In: *Advances in Cognitive Neurodynamics - Proceedings of the International Conference on Cognitive Neurodynamics - 2007*, Eds: Rubin Wang, Fanji Gu and Enhua Shen, Springer: Heidelberg, Germany.