

Dr. Li Jingling

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Research Interest

1. Top-down and bottom-up interaction on attentional selection and orienting, e.g., effect of salience, effect of task relevance, and the interactions between them.
2. Attentional control in patients with frontal lobe deficits, such as Parkinson's Disease, Attention Deficit/Hyperactivity Disorder, and Major Depression Disorder.
3. Chinese word recognition, e.g., word form perception, form to lexical accesses, unit of process, and the representation of prolonged learning experiences.

Education

Ph. D.	Dept. of Psychology, National Taiwan University, Taipei, Taiwan	2003
	<i>Attentional capture: The interaction of salience and attentional control setting</i>	
M.S.	Dept. of Psychology, National Taiwan University, Taipei, Taiwan	1998
	<i>Role of strokes, structure and functional components in judging similarity of Chinese characters</i>	
B.S.	Dept. of Psychology, National Taiwan University, Taipei, Taiwan	1996

Honor and Award

Best Teaching Material Award, China Medical University, Taiwan	2013
Invited Speaker, Johns Hopkins University, U. S. A.	2013
Visiting Scholarship, The University of Hong Kong, HK	2012
Graduate School Travel Award, University College London, UK	2006
Postdoctoral Research Fund, National Science Council, Taiwan	2004

Visual Neuroscience workshop stipend	2004
Chinese Psychological Association Best Doctoral Dissertation Award	2003
College of Science Research Award in National Taiwan University	2003
Travel Awards to International Conferences, Ministry of Education, Taiwan	2003
Travel Awards to International Conferences, Ministry of Education, Taiwan	2002
Travel Award of the European Conference on Vision Perception (ECVP)	2001
Department of Psychology Research Award, National Taiwan University	1998
Department of Psychology Research Award, National Taiwan University	1996
Best Student Award, Department of Psychology, National Taiwan University	1995

Research Experience

Associate Professor (2012 Aug. till now)

Graduate Institute of Neural and Cognitive Sciences, China Medical University, Taiwan

Assistant Professor (2007 July – 2012 Aug.)

Graduate Institute of Neural and Cognitive Sciences, China Medical University, Taiwan

Assistant Professor (2007 Feb. – 2007 July)

General Education Center, China Medical University, Taiwan

Research Fellow (2005 Jan. – 2006 Dec.)

Laboratory of Natural Intelligence

Lab leader: Prof. Li Zhaoping

Department of Psychology, University College London, London, UK

Visual Neuroscience workshop: from spikes to awareness (2004, 9, 6-17)

Organizers: Jochen Braun, Frank Bremmer, and Karl Gegenfurtner

Sponsor: Volkswagen-Stiftung

Location: Schloss Rauischholzhausen, Hessa, Germany

Postdoctoral Fellow (2004 Jan. – 2004 Dec.)

“Proposal of attentional capture model and exploration of the salience effect”

NSC93-2413-H-002-005 (PI: L. Jingling, co-PI: Prof. Su-Ling Yeh)

Department of Psychology, National Taiwan University, Taipei, Taiwan

Graduate Research Assistant (1999-2003)

Explorer of Perception & Attention Lab

Lab leader: Prof. Su-Ling Yeh

Department of Psychology, National Taiwan University, Taipei, Taiwan

Research Assistant (1998)

“Visual analysis of spatial location”

NSC88-2413-H-002-017 (PI: Prof. Su-Ling Yeh)

Department of Psychology, National Taiwan University, Taipei, Taiwan

Community Membership

Taiwan Society of Cognitive Neuroscience (Taiwan)	2012 – present
Taiwanese Psychological Association (Taiwan)	1997 – present
Vision Science Society (USA)	2001 – present
Cognitive Neuroscience Society (USA)	2010 – 2011
Association of Scientific Studies of Consciousness (USA)	2008 - 2009
Applied Vision Association (UK)	2005 – 2007

Research Grant

1. **MOST 103-2628-H-039-001-MY3**, Ministry of Science and Technology, 從特徵到物體:再探共線知覺組織在視覺搜尋作業的遮蔽作用, **NT 772,000**, 2014.8.1 ~ 2015.7.31
2. **CMU102-SR-11**, China Medical University and Hospital, 測試擁擠效應能否解釋視覺搜尋中的共線遮蔽效應, **NT 35000**, 2013.8.1 ~ 2014.2.28
3. **NSC 102-2815-C-039-011-H**, National Science Council, 測試擁擠效應能否解釋視覺搜尋中的共線遮蔽效應, **NT 47000**, 2013.7.1 ~ 2014.2.28
4. **NSC101-2410-H-039-001-MY2**, National Science Council, 共線知覺組織在視覺搜尋作業的遮蔽作用, **NT 1,497,000**, 2012.08.1 ~ 2014.07.31
5. **NSC 101-2815-C-039-009-H**, National Science Council, 為何顯著的物體會阻撓搜尋? 探索目標物形狀的影響, **\$47000**, 2012.7.1 ~ 2013.2.28
6. **CMU101-SR-09**, China Medical University and Hospital, 為何顯著的物體會阻撓搜尋? 探索目標物形狀的影響, **NT 35000**, 2012.8.1 ~ 2013.2.28
7. **NSC 100-2627-B-039-004**, National Science Council, 干擾素- α 治療引致憂鬱症之認知及生物機制:由臨床認知功能與神經細胞機轉來探討-〈子計畫二〉干擾素- α 誘發憂鬱症狀之記憶執行功能和情緒知覺之評估(2/3), **NT 1,233,000**, 2011.08.1 ~ 2012.07.31
8. **NSC 100-2815-C-039-011-H**, National Science Council, 刺激呈現次序是否能誘發規則, **NT 47000**, 2011.7.1 ~ 2012.2.29
9. **CMU100-SR-09**, China Medical University and Hospital, 刺激呈現次序是否能誘發規

- 則，**NT 35000**，2011.7.1 ~ 2012.2.29
10. **NSC 99-2627-B-039-004**，National Science Council, 干擾素- α 治療引致憂鬱症之認知及生物機制：由臨床認知功能與神經細胞機轉來探討-〈子計畫二〉干擾素- α 誘發憂鬱症狀之記憶執行功能和情緒知覺之評估(2/3)，**NT 1,240,000**，2010.08.1 ~2011.07.31
 11. **CMU99-大專-73**，China Medical University and Hospital, 憂鬱症患者的社會認知：以中性臉凝視方向為例，**NT 35,000**，2010.08.1 ~2011.02.28
 12. **NSC 99-2815-C-039-073-H**，National Science Council, 憂鬱症患者的社會認知：以中性臉凝視方向為例，**NT 47,000**，2010.07.1 ~2011.02.28
 13. **NSC 99-2922-I-039-002**，National Science Council, 赴加拿大蒙特婁參加2010年認知神經科學年會，**NT 55,000**，2010.03.18~2010.05.20
 14. **NSC 98-2627-B-039-004**，National Science Council, 干擾素-A治療引致憂鬱症之認知及生物機制：由臨床認知功能與神經細胞機轉來探討-〈子計畫二〉干擾素-A誘發憂鬱症狀之記憶執行功能和情緒知覺之評估(1/3)，**NT 897,000**，2009.08.1 ~2010.07.31
 15. **NSC 98-2627-B-039-003**，National Science Council, 干擾素-A治療引致憂鬱症之認知及生物機制：由臨床認知功能與神經細胞機轉來探討〈總計畫主持人〉(1/3)，**NT 2,817,172**，2009.08.1 ~2010.07.31
 16. **CMU97-338**，China Medical University, 神經認知及發炎生物指標在干擾素治療引致憂鬱症之重要性：探索性先驅研究，子計畫三：干擾素引發之憂鬱症之認知彈性探討，**NT 100,000**，2009.05.1 ~2010.04.31
 17. **NSC 96-2413-H-039-004-MY2**，National Science Council, 位置知覺對結合問題的貢獻，**NT 686,000**，2008.08.1 ~2009.07.31
 18. **NSC 96-2413-H-039-004-MY2**，National Science Council, 位置知覺對結合問題的貢獻，**NT 938,000**，2007.08.1 ~2008.07
 19. **CMU95-292**，China Medical University, 錯覺組合的成因探討：從初級視覺皮質的細胞特性著手，**NT 409,400**，2007.02.1 ~2007.12.31.31
 20. **NSC93-2413-H-002-005**，National Science Council, 注意力攫取模型之建立與刺激顯著特性的探討，**NT 321,800**，2004.01.1 ~2004.12.31

Journal Publication

1. Tseng, C.-H. and Jingling, L. (In press). A Salient and Task-irrelevant Collinear Structure Hurts Visual Search. *PLOS ONE*.
2. Jingling, L., Lin, H.-F., Tsai, C.-J., Lin, C.-C. (in press). Development of inhibition of return for eye gaze in adolescents. *Journal of Experimental Child Psychology*.
3. Chiu, C.-W., and Jingling, L. (2015). Temporal characteristics of the collinear masking effect in visual search. *Chinese Journal of Psychology*, 57(1):91-104 [Chinese]

4. Chiu, C.-W., and Jingling, L. (2014). Focus size of attention: Exploring the focus hypothesis on the collinear masking effect in visual search. *Chinese Journal of Psychology*, 56(4):467-484 [Chinese]
5. Jingling, L., Tseng, C.-H. & Zhaoping, L. (2013). Orientation is different: interaction between contour integration and feature contrasts in visual search. *Journal of Vision*, 13(3):26, 1–13.
6. Jingling, L., Tang, D.-L. & Tseng, C.-H. (2013). Eyes Do Not Have It: A Collinear Distractor Interferes with Manual but Not Saccadic Responses in Visual Search. *Journal of Vision*, 13(12):6, 1–10.
7. Chow, M. H., Jingling, L., & Tseng, C.-H. (2013). Collinear integration affects visual search at V1. *Journal of Vision*, 13(10): 1-20, doi:10.1167/13.10.24.
8. Jingling, L., & Tseng, C.-H. (2013). Collinearity Impairs Local Element Visual Search. *Journal of Experimental Psychology: Human Perception and Performance*, 39(1):156-67. doi: 10.1037/a0027325. Epub 2012 Feb 1.
9. Huang, W. R., & Jingling, L. (2012). Induce rules by stimuli presentation sequences: Evidence from switch cost. *Chinese Journal of Psychology*, 54(4), 511-525. [Chinese]
10. Lin, H. F., Jingling, L., & Lin, H. F. (2012). Developmental Trends in Gaze Induced Orienting. *Chinese Journal of Psychology*, 54(3), 403-412. [Chinese]
11. Jingling, L., Hsiao, C.-H., & Yeh, S.-L. (2012). Predictability Matters: On the Stimulus-Driven Account of the Multiple-Cue Effect. *Canadian Journal of Experimental Psychology / Revue canadienne de psychologie experimentale*, 66(1), 18-25.
12. Zhaoping, L. & Jingling, L. (2008). Filling-in and suppression of perception from context - A Bayesian account of perceptual biases by contextual influences. *PLoS Computational Biology*, 4(2), e14 doi:10.1371/journal.pcbi.0040014.
13. Jingling L., & Zhaoping L. (2008). Change detection is easier at texture border bars when they are parallel to the border: Evidence for V1 Mechanisms of Bottom-up Saliency. *Perception*, 37(2), 197-206.
14. Jingling L., & Yeh, S. L. (2007). New objects do not capture attention without a setting: Evidence from inattention blindness. *Visual Cognition*, 15, 661-684.
15. Yeh, S. L. & Li, J. L. (2004). Sublexical processing in visual recognition of Chinese characters: Evidence from repetition blindness for sub-character components. *Brain and Language*, 88, 47-53.
16. Yeh, S. L., Lin, Y. H. & Li, J. L. (2004). Role of character structure in judgments of visual similarity of Chinese characters for children in elementary school. *Journal of education & psychology*, 27, 93-115. [Chinese]

17. Li, J. L. & Yeh, S. L. (2003). Do Chinese and Americans see opposite apparent motion? Replicated and revised. *Visual Cognition*, *10*, 537-547.
 18. Yeh, S. L. & Li, J. L., Takeuchi, T., Sun, V. C., and Liu, R. (2003). Effects of learning experience and age on the form categorization of Chinese characters. *Visual Cognition*, *10*, 729-764.
 19. Yeh, S. L., & Li, J. L. (2002). The role of structure and component in visual similarity of Chinese characters. *Journal of Experimental Psychology: Human Perception & Performance*, *28*, 933-947.
 20. Yeh, S. L., Li, J. L. & Chen, K. M. (1999). Classification of the shapes of Chinese Characters: verification by different pre-designated categories and varied sample sizes. *Chinese Journal of Psychology*, *40*, 67-87.
 21. Yeh, S. L., Li, J. L. & Chen, I. P. (1997). The perceptual dimensions underlying the classification of the shapes of Chinese characters. *Chinese Journal of Psychology*, *39*, 47-74. [Chinese]
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