

姓名	詹曉蕙
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職稱	教授
學歷	亞利桑納大學 語言學博士
研究專長	神經語言學 詳見神經語言學實驗室網頁： https://sites.google.com/view/neurolinguisticslabntnu
諮詢時間	By appointment
授課領域	神經語言學、語言與大腦、語言與認知、英語會話、英語寫作
經歷	<ul style="list-style-type: none"> ● 加州大學戴維斯分校醫學院神經科、心智與大腦研究中心 - 博士後研究員
著作列表	<p>期刊論文</p> <ol style="list-style-type: none"> 1. Petit de Chemellier J-F and Chan S*. (2025) 'Don't forget to close the light!': ERP evidence for the facilitation of typical translation equivalents in bilingual processing. <i>Bilingualism: Language and Cognition</i>. Published online 2025:1-13. [SSCI] 2. Lee T and Chan S*. (2023) Better early than late for a filler: An fMRI study on the filler-gap order in language. <i>Journal of Neurolinguistics</i>, 66, 101126. [SSCI] 3. Chan, S. (2022) Dynamics of nominal classification systems in language processing. <i>Language, Cognition and Neuroscience</i>, 37(6), 671-685. [SSCI] 4. Fan, DC, Collart, A, & Chan, S*. (2022) When two languages are competing: An ERP study of sentence processing in expert and novice interpreters. <i>Interpreting</i>. [SSCI] 5. Collart, A* & Chan S*. (2021) Processing past time reference in a tenseless language: An ERP study on the Mandarin aspectual morphemes -le and -guo. <i>Journal of Neurolinguistics</i>, 59, 100998. [SSCI] 6. Ku, L*, Chan, S* & Lai, V.T. (2020) Personality traits and emotional word recognition: An ERP study. <i>Cognitive, Affective, and Behavioral Neuroscience</i>, 20, 371–386. [SCI] 7. Chan S. (2019) An elephant needs a head but a horse does not: An ERP study of classifier-noun agreement in Mandarin, <i>Journal of Neurolinguistics</i>, 52, 100852. [SSCI] 8. Lin K and Chan S*. (2019) When senses meet functions: An amodal stage in conceptual processing, <i>Journal of Cognitive Psychology</i>, 31:1, 64-75. [SSCI] 9. Liao C and Chan S*. (2016) Direction matters: Event-related brain potentials reflect extra processing costs in switching from the dominant to the less dominant language, <i>Journal of Neurolinguistics</i>, 40, 79-97. [SSCI] 10. Chien P and Chan S*. (2015) Old songs can be as fresh as new: an ERP study on lyrics processing. <i>Journal of Neurolinguistics</i>, 35, 55-67. [SSCI] 11. Yang L and Chan S*. (2013) Semantic Categorization in Prader-Willi Syndrome: A Case Study in Chinese. <i>Concentric: Studies in Linguistics</i>, 39(2), 83-111. [THCI Core] 12. Yang J, Chan S, Khan S, Schneider A, Nanakul R; Teichholtz S; Niu Y, Seritan A; Tassone F, Grigsby J, Hagerman P, Hagerman R, Olichney J. (2013) Neural substrates of executive dysfunction in Fragile X-associated tremor/ataxia syndrome. <i>Cerebral Cortex</i>, 23, 2657-2666. [SCI] 13. Chan S*, Ryan L, Bever T. (2013) Role of the striatum in language: syntactic and conceptual sequencing. <i>Brain and Language</i>, 125, 283-294. [SSCI] 14. Olichney J, Taylor J, Hillert D, Chan S, Salmon D, Gatherwright J, Iragui VJ, Kutas M. (2010) fMRI congruous word repetition effects reflect memory variability in normal elderly. <i>Neurobiology of Aging</i>, 31, 1975-1990. [SCI]

15. Olichney J, Taylor J, **Chan S**, Yang J, Stringfellow A, Hillert D, Simmons A, Salmon D, Iragui-Madoz V, Kutas M. (2010) fMRI responses to words repeated in a congruous semantic context are abnormal in mild Alzheimer's disease. *Neuropsychologia*, 48, 2476-2487. [SCI]
16. Olichney J, **Chan S**, Wong L, Schneider, A, Seritan A, Niese A, Yang J, Laird K, Teichholtz1 S, Khan S, Tassone F, Hagerman R. (2010) Abnormal N400 word repetition effects in Fragile X-associated Tremor/Ataxia Syndrome. *Brain*, 133, 1438-1450. [SCI]

研討會論文

1. Lee T and Chan S. Action imagination and verb semantics in Mandarin Chinese influences neural responses beyond somatotopic mapping: An fMRI study. Poster presented at Architectures and Mechanisms for Language Processing (31st AMLaP conference), Prague, Czechia, September 4-6, 2025.
2. Lee T and Chan S. Comparing the neural correlates and effective connectivity of different types of syntactic movements in Mandarin Chinese: An fMRI study. Poster presented at the 16th Annual Meeting of Society for the Neurobiology of Language (SNL), Brisbane, Australia, October 24-26, 2024.
3. Sung C and Chan S. Diluting Swearing? Context plays a role. Poster presented at the 11th Conference on Language, Discourse, and Cognition (CLDC 11), Taipei, Taiwan, May 3-4, 2024.
4. Yang Y and Chan S. An ERP study on cross-cultural humor: Taiwanese subjects' response to American sarcastic insults. Poster presented at Architectures and Mechanisms for Language Processing (29th AMLaP conference), San Sebastian, Spain, August 31-September 2, 2023.
5. Chan S. Dynamics of information activation of noun countability and semantic category in language processing. Poster presented at the Cognitive Science Society Annual Conference (COGSCI 2023), Sydney, Australia, July 26-29, 2023.
6. Lee T and Chan S. The role of the right prefrontal regions in processing sentences with gaps. Poster presented at the Workshop on Theoretical East Asian Linguistics 13 (TEAL-13), Taipei, Taiwan, May 12-14, 2023.
7. Collart A and Chan S. Processing past time and aspect: Event-related potentials reveal different neuronal brain responses elicited by the Mandarin verbal morpheme –guo. Abstract presented at the 3rd International Conference on Theoretical East Asia Psycholinguistics (ICTEAP-3), November 20-21, 2021. (Virtual meeting).
8. Collart A and Chan S. Not all the pasts are the same: An ERP study of the temporal constraints of the Mandarin aspectual markers -le and -guo. Poster presented at the 33rd CUNY Conference on Human Sentence Processing, March 19-21, 2020. (Virtual meeting)
9. Lee T and Chan S. Biological foundation of syntactic movement directions. Poster presented at the 33rd CUNY Conference on Human Sentence Processing, March 19-21, 2020. (Virtual meeting)
10. Chan S. L1 syntax may still be working in L2 sentencing processing. Abstract presented at the 7th European Conference on Language Learning (ECLL2019), University College London, London, UK, July 19-21, 2019.

11. Collart A and Chan S. Aspect is distinct from time reference: An ERP study of the perfective marker -le in Mandarin Chinese. Abstract presented at the 32nd CUNY Conference on Human Sentence Processing, University of Colorado Boulder, Boulder, Colorado, USA, March 29-31, 2019.
12. Chen Y and Chan S. Semantic prosody in the processing of Mandarin Chinese verbs: An ERP study. Abstract presented at the joint conference of the 17th International Conference on the Processing of East Asian Languages and the 9th Conference on Language, Discourse, and Cognition (ICPEAL 17 – CLDC 9). Taipei, Taiwan, October 19-21, 2018.
13. Chan S and Lin K. The biological foundation of conceptual hierarchy. Abstract that will be presented at the International Linguistic Association 62nd Annual Conference. Hong Kong, May 26-28, 2017.
14. Liao C and Chan S. Comprehension of code-mixed sentences in bilingual elders: An event-related potentials (ERP) study. Poster presented at the 24th Annual meeting of the Cognitive Neuroscience Society (CNS). San Francisco, USA, March 25-28, 2017.
15. Chan S and Chien P. Language-specific categorization may influence how people perceive the world: an fMRI study on linguistic relativity. Poster presented at the 6th Brain and Mind Research in the Asia-Pacific (BMAP) Symposium. Auckland, New Zealand, August 23-25, 2016.
16. Lin K and Chan S. The role of semantic features in processing basic-level concepts in Mandarin Chinese: an ERP study. Poster presented at the 23rd Annual meeting of the Cognitive Neuroscience Society (CNS). New York, USA, April 2-5, 2016.
17. Ku L and Chan S. The modulation of personality on Chinese emotion word processing: an ERP study. Poster presented at the 23rd Annual meeting of the Cognitive Neuroscience Society (CNS). New York, USA, April 2-5, 2016.
18. Chan S. Grammatical agreement in Mandarin: an ERP study of classifier-noun pairing. Abstract presented at the International Hokkaido Forum: Organization Behavior, Psychology, and Education (iHOPE, 2015). Sapporo, Japan, June 23-25, 2015.
19. Liao C and Chan S. Sentence context can affect the bilingual word identification process: An assessment of Bilingual Interactive Activation Plus (BIA+) model with ERP. Abstract presented at the Annual Meeting of Taiwan Society of Cognitive Neuroscience. Taipei, Taiwan, June 24, 2015.
20. Liao C and Chan S. Unexpected ending in sentence processing: An ERP study. Abstract presented at the 7th Conference on Language, Discourse, and Cognition (CLDC 2014). Taipei, Taiwan, May 3-4, 2014.
21. Chien P and Chan S. Song Familiarity in Lyrics Processing: An ERP Study. Poster presented at the 21st Annual meeting of the Cognitive Neuroscience Society (CNS). Boston, USA, April 5-8, 2014.
22. Liao C and Chan S. Switching into a non-dominant language is harder: An ERP study of simultaneous Bilinguals. Poster presented at the 21st Annual meeting of the Cognitive Neuroscience Society (CNS). Boston, USA, April 5-8, 2014.
23. Chan S, Ku L, Liu C and Liao C. A cow needs a head but a horse does not: An MEG study on Mandarin classifiers. Abstract presented at the 7th East Asia Symposium on Superconductive Electronics (EASSE), Taipei, Taiwan, October 23-26, 2013.
24. Chan S. Chinese classifiers: a neurolinguistic perspective. Abstract presented at the Workshop on the grammar of measurement in Chinese. In Conjunction with the 21st Annual meeting of International Association of Chinese Linguistics (IACL), Taipei, Taiwan, June 7-9, 2013.
25. Chan S, Liao C and Ku L. Headless cows are hard to process: an ERP study of Mandarin classifiers. Poster presented at the 20th Anniversary meeting of the Cognitive Neuroscience Society (CNS). San Francisco, USA, April 13-16, 2013.

26. Lin H, Hsieh S, Chan S. Measuring individual differences in word recognition: The role of individual lexical behaviors. Paper presented at the 24th Conference on Computational Linguistics and Speech Processing (ROCLING 2012). Chung-Li, Taiwan, Sep. 21-22, 2012.
27. Yang J-C, Taylor JR, Chan S, Salmon DP, Iragui-Madoz V, Kutas M, Olichney JM. fMRI congruous word repetition effects show loss of hemispheric encoding/retrieval asymmetry in MCI. Presented at the 18th Annual Human Brain Mapping (OHBM). Beijing, China, June 10-14, 2012. (abstract; ePub: <http://ww4.aievolution.com/hbm1201/index.cfm?do=abs.viewAbs&abs=5892>).
28. Yang L, Chan S. Semantic categorization in Prader-Willi Syndrome: A case study in Chinese. Abstract presented at the 6th Conference on Language, Discourse, and Cognition (CLDC2012). Taipei, Taiwan, May 4-6, 2012.
29. Liao C, Chan S. Code-mixing and language use: the asymmetrical processing cost in understanding switched sentences. Poster presented at 2012 Georgetown University Round Table on Languages and Linguistics, Washington, DC, March 8-11, 2012.
30. Liao C, Chan S. The asymmetrical processing cost of code-mixing in Mandarin-Taiwanese bilinguals. Proceedings of the 2011 National Conference on Linguistics (NCL). National Sun Yat Sen University, Taiwan.
31. Olichney J, Chan S, Schneider A, Niese A, Pak J, Nanakul R, Tassone F, Hagerman R. ERP abnormalities of auditory attention in Fragile X-Associated Tremor/Ataxia Syndrome. Poster presented at the 61st American Academy of Neurology Annual Meeting. Seattle, WA, April 25-May 2, 2009
32. Olichney J, Chan S, Schneider A, Niese A, Laird KT, Nanakul R, Tassone F, Hagerman R. Reduced ERP word repetition effects in patients with Fragile X-associated Tremor/Ataxia Syndrome. Poster presented at the 16th Annual Meeting of Cognitive Neuroscience Society (CNS). San Francisco, CA, March 21-24, 2009.
33. Olichney J, Stringfellow A, Taylor J, Chan S, Hillert D, Salmon D, Iragui-Madoz VJ, Kutas M. Diminished fMRI word repetition effects in mild Alzheimer's disease. Poster presented at the 11th International Conference on Alzheimer's Disease (ICAD). Chicago, IL, July 26-31, 2008.
34. Olichney J, Chan S, Schneider A, Nanakul R, Hagerman R. P300 amplitude abnormalities in Fragile X-associated tremor/ataxia syndrome. Research abstract presented at the 11th International Fragile X Conference. St. Louis, MO, July 23-27, 2008.
35. Olichney J, Bressler AJ, Gatherwright J, Chan S, Hillert D, Iragui-Madoz VJ, Kutas M. Long-lasting effects of a visually-enhanced study condition on the N400 and P600 components. Poster presented at the 15th Annual Meeting of Cognitive Neuroscience Society (CNS). San Francisco, CA, April 12-15, 2008.
36. Chan S, Ryan L, Bever T. Language functioning in the basal ganglia. Poster presented at the 14th Annual Meeting of Cognitive Neuroscience Society (CNS). New York, NY, May 5-8, 2007.
37. Chan S, Ryan L, Bever T. Linguistic sequencing in the cortex and basal ganglia. Poster presented at the 20th Annual CUNY Conference on Human Sentence Processing. La Jolla, CA, March 29-31, 2007.
38. Chan S, Ryan L, Bever T. Syntactic functioning in non-language areas of the brain. Abstract presented at the Annual Meeting of Linguistic Society of America (LSA). Anaheim, CA, January 4-7, 2007.

研究計畫

1. 詹曉蕙(2024/08/01-2026/07/31)脈絡對名詞類別處理的影響 (2/2)。國科會。NSTC 113-2410-H-003 -058 -MY2。主持人。

	<p>2. 詹曉蕙(2024/08/01-2026/07/31)脈絡對名詞類別處理的影響 (1/2)。國科會。NSTC 113-2410-H-003 -058 -MY2。主持人。</p> <p>3. 詹曉蕙(2022/08/01-2024/07/31)語言與分類:名詞類別與共通類別的神經語言學研究 (2/2)。國科會。MOST 111-2410-H-003 -070 -MY2。主持人。</p> <p>4. 詹曉蕙(2022/08/01-2024/07/31)語言與分類:名詞類別與共通類別的神經語言學研究 (1/2)。國科會。MOST 111-2410-H-003 -070 -MY2。主持人。</p> <p>5. 詹曉蕙 (2020/08/01-2022/07/31) 概念與語言系統之神經語言學研究:上下位階層、方式階層與名詞可數性的表徵與處理 (3/3)。科技部。MOST 108-2410-H-003 -020 -MY3。主持人。</p> <p>6. 詹曉蕙 (2020/08/01-2022/07/31) 概念與語言系統之神經語言學研究:上下位階層、方式階層與名詞可數性的表徵與處理 (2/3)。科技部。MOST 108-2410-H-003 -020 -MY3。主持人。</p> <p>7. 詹曉蕙 (2019/08/01-2022/07/31) 概念與語言系統之神經語言學研究:上下位階層、方式階層與名詞可數性的表徵與處理(1/3)。科技部。MOST 108-2410-H-003 -020 -MY3。主持人。</p> <p>8. 詹曉蕙(2018/08/01-2019/07/31)。「分類詞—名詞搭配」再探:分類詞特性與個人因素對於搭配關係之影響(2/2)。科技部。(MOST 106-2410-H-003 -137 -MY2)。主持人。</p> <p>9. 詹曉蕙(2017/08/01-2019/07/31)。「分類詞—名詞搭配」再探:分類詞特性與個人因素對於搭配關係之影響(1/2)。科技部。(MOST 106-2410-H-003 -137 -MY2)。主持人。</p> <p>10. 詹曉蕙(2016/08/01-2017/07/31)。語意階層性結構之神經造影研究(3/3)。科技部。(MOST 103-2410-H-003 -141 -MY3)。主持人。</p> <p>11. 詹曉蕙(2015/08/01-2017/07/31)。語意階層性結構之神經造影研究(2/3)。科技部。(MOST 103-2410-H-003 -141 -MY3)。主持人。</p> <p>12. 詹曉蕙(2014/08/01-2017/07/31)。語意階層性結構之神經造影研究(1/3)。科技部。(MOST 103-2410-H-003 -141 -MY3)。主持人。</p> <p>13. 詹曉蕙(2014/01/01-2014/12/31)。語言相對論:中文量詞系統與概念系統關係之神經造影研究 (2/2)。國科會。(NSC 102-2420-H-003 -006 -MY2)。主持人。</p> <p>14. 詹曉蕙(2013/01/01-2014/12/31)。語言相對論:中文量詞系統與概念系統關係之神經造影研究 (1/2)。國科會。(NSC 102-2420-H-003 -006 -MY2)。主持人。</p> <p>15. 詹曉蕙(2012/08/01-2013/07/31)。中文概念系統之神經語言學研究。國科會。(NSC 101-2410-H-003-075-)。主持人。</p> <p>16. 詹曉蕙(2011/08/01-2012/07/31)。中文量詞—名詞搭配關係之事件相關腦電位研究。國科會。(NSC 100-2410-H-003-088-)。主持人。</p> <p>17. 詹曉蕙(2010/06/01-2011/05/01)。語言排序之大腦歷程及其與家族性左利關係之事件相關腦電位研究。國科會。(NSC 99-2410-H-003-075-)。主持人。</p> <p>其他著作</p>	
個人網站	https://sites.google.com/view/neurolinguisticslabntnu/people/current-lab-members?authuser=0	
校內榮譽	年份	獎項
	2025	國立臺灣師範大學獎勵特殊優秀人才
	2024	國立臺灣師範大學獎勵特殊優秀人才
	2023	國立臺灣師範大學教學優良獎
	2023	國立臺灣師範大學優聘教授
	2022	國立臺灣師範大學優聘副教授、優聘教授
	2021	國立臺灣師範大學獎勵特殊優秀人才
	2020	國立臺灣師範大學獎勵特殊優秀人才
	2019	國立臺灣師範大學獎勵特殊優秀人才

	2018	國立臺灣師範大學獎勵特殊優秀人才
	2017	國立臺灣師範大學獎勵特殊優秀人才
	2016	國立臺灣師範大學教學優良獎
	2014	國立臺灣師範大學教學優良獎
校外榮譽	年份	獎項