

## Fan Cao, Ph.D.

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University of Hong Kong  
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### Education

- 2004-2009 PhD, Communication Sciences and Disorders, Northwestern University, Evanston, IL. USA  
2001-2004 MA, Psychology, Beijing Normal University, Beijing, China  
1997-2001 BS, Psychology, Beijing Normal University, Beijing, China

### Positions

- 2022-present Associate Professor, Department of Psychology, University of Hong Kong  
2017-2022 Professor, Department of Psychology, Sun Yat-Sen University, Guangzhou, Guangdong, China  
2014-2018 Assistant Professor, Department of Communicative Sciences and Disorders, Michigan State University, East Lansing, MI. USA  
2011-2013 Assistant Professor, elite Nanyang Assistant Professor, Division of Psychology, School of Humanities and Social Sciences, Nanyang Technological University, Singapore  
2009-2011 Post-doctoral fellow, Learning Research and Development Center, University of Pittsburgh, USA

### Grants

- 2022-2025 PI, awarded by the National Social Science Fund of China (21BYY204) (RMB 200,000), *Neural correlates of subtypes of reading disability and their developmental changes*.  
2020-2023 PI for a sub-project, awarded by Science and Technology Program of Guangzhou, China, Key Area Research and Development Program (202007030011) (RMB ¥ 1500,000), *Brain mechanisms of developmental neurological disorders*.  
2019-2021 PI, awarded by Guangdong Province Planning Office of Philosophy and Social Science (GD19CXL05) (RMB ¥ 50,000), *Second language learning and critical period*.  
2019-2021 PI, awarded by Sun Yat-Sen University, Advanced Support for Innovative Research Excellence (19wkjc08) (RMB ¥ 200,000), *Brain mechanisms underlying foreign speech imitation*.  
2018-2019 PI, awarded by Sun Yat-Sen University, Seed grant (18wkzd13) (RMB ¥ 150,000), *Neural correlates of language learning and disability*.  
2013-2017 PI, awarded by the Ministry of Education, Singapore (USD\$338,461), Academic Research Fund Tier 2, *Brain changes following different interventions in bilingual children with reading disability*.  
2010-2012 PI, Open project grant awarded by the State Key Lab of Cognitive Neuroscience and Learning, Beijing Normal University (USD\$10,000), *Neural networks of reading in bilingual adults: proficiency effect*

## Awards

- 2018 Young scholars with talent, the Ministry of Education, China, Top 3 in the area of Education and Psychology
- 2011 Awardee, Elite Nanyang Assistant Professorship, Nanyang Technological University, Singapore. 10 awardees across disciplines in the university every year

## Research Interests

Neural basis of language development and disorders in monolingual and bilingual children  
Neural basis of second language learning in children and adults  
Brain changes following interventions in children with ASD  
Figurative language comprehension in high-functioning adolescents with ASD  
Educational neuroscience, developmental cognitive neuroscience

## Editorial Board Membership

- 2018-present Associate Editor, *Frontiers in Psychology*
- 2022-present Editorial Board, *Brain Sciences*

## Peer-Reviewed Journal Articles (\* indicates the first author is/was a student or post-doc in my lab; corresponding authors are underscored.)

1. Wu Y\*, Feng G, Yan X, Perkins K, Liu L, Yan X, Cao F. (2022). Reduced pattern similarity in brain activation during orthographic processing in children with developmental dyslexia. *Brain and Language*. 235, 105201.
2. Feng G\*, Yan X, Shen L, Perkins K, Mao J, Wu Y, Shi L, Cao F. (2022). Distinct neural correlates of poor decoding and poor comprehension in children with reading disability. *Cerebral Cortex*. doi: 10.1093/cercor/bhac272.
3. Cao F., Fan Y, Yan X, Chen W, Dodson-Garrett M, Spray, GJ, Wang Z, Deng Y. (2022). Greater similarity between L1 and L2's brain network in adults than in children. *Frontiers in Neuroscience*. 16: 816729.
4. Kim S\* & Cao F. (2022). How does the brain read different scripts? Evidence from English, Korean, and Chinese. *Reading and writing*. 35, 1449–1473.
5. Yan X\*, Jiang K, Li H, Wang Z, Perkins K, & Cao F. (2021). Convergent and divergent structural and functional brain abnormalities associated with developmental dyslexia. *eLife*. <https://doi.org/10.7554/eLife.69523>
6. Mao J\*, Liu L, Perkins K, Cao F. (2021). Poor reading is characterized by a more connected network with wrong hubs. *Brain and Language*. 220. <https://doi.org/10.1016/j.bandl.2021.104983>.
7. Yan X\*, Perkins K, Cao F. (2021) A hierarchical deficit model of developmental dyslexia: evidence from a DCM study. *Neuropsychologia*. 154. doi: 10.1016/j.neuropsychologia.2021.107777
8. Cao F., Yan X, Yan X, Zhou H, Booth JR. (2021) Reading disability in Chinese children learning English as an L2. *Child Development*. 92(2): e126-e142.
9. Kim S\*, Liu L, Liu L, Cao F. (2020). Neural representational similarity between L1 and L2 in spoken and written language processing. *Human Brain*

- Mapping*. 41(17):4935-4951. doi: 10.1002/hbm.25171.
10. **Cao F**, Wang Z, Yan X, Sussman B, Spray G, Rios V. (2019) L1 reading experience influences L2 lexical learning: Spanish learning in Chinese speakers and English speakers. *Neuroscience*. 416: 255-267.
  11. Wang Z\*, Yan X, Liu Y, Spray G. J., Deng Y, **Cao F**. (2019). Structural and functional abnormality of the putamen in children with developmental dyslexia. *Neuropsychologia*. 130:26-37.
  12. Wang C, Yang Z, **Cao F**, Liu L, Tao S. (2019) Letter-sound integration in native Chinese speakers learning English: Brain fails in automatic responses but succeeds with more attention. *Cognitive Neuroscience*. 10(2):100-116.
  13. **Cao F**, Yan X\*, Spray G. J., Liu Y, Deng Y. (2018). Brain mechanisms underlying visuo-orthographic deficits in children with developmental dyslexia. *Frontiers in Human Neuroscience*. 12: 490.
  14. Kim S\* Liu L & **Cao F**. (2017). How does first language (L1) influence second language (L2) reading in the brain? Evidence from Korean-English and Chinese-English bilinguals. *Brain and Language*. 171:1-13.
  15. **Cao F**, Sussman B, Rios V, Yan X, Spray G, Wang Z, Mack R. (2017). Different brain mechanisms involved in learning different L2s: evidence from native English speakers learning Spanish and Chinese. *NeuroImage*, 148: 284-295.
  16. **Cao F**, Yan X, Wang Z, Liu Y, Wang J, Spray G, Deng Y. (2017). Neural signatures of phonological deficits in developmental dyslexia. *NeuroImage*, 146, 301-311.
  17. Lagarrigue A, Longcamp M, Anton J, Nazarian B, Prevot L, Velay J, **Cao F**, Frenck-Mestre C. (2017). The neural network of reading: Does writing help the brain accommodate for linguistic diversity? *Neuropsychologia*, 97, 83-97.
  18. **Cao F**. (2017). Brain MRI data in Chinese dyslexic children performing an auditory rhyming judgment task. *Data in Brief*, 11:473-478.
  19. **Cao F** & Perfetti CA. (2016). Neural signatures of the reading-writing connection: greater involvement of writing in Chinese reading than English reading. *PlosOne*. 11(12): e0168414.
  20. Liu H\* & **Cao F**. (2016). L1 and L2 processing in the bilingual brain: a meta-analysis on neuroimaging studies. *Brain and Language*, 159, 60-73.
  21. **Cao F**. (2016). fMRI data from Korean, Chinese and English subjects in a word rhyming judgment task. *Data in Brief*, 7, 591-594.
  22. Kim S\*, Qi T, Fang X, Ding G, Liu L, & **Cao F**. (2016). How does language distance between L1 and L2 affect the L2 brain network? An fMRI study of Korean-Chinese-English trilinguals. *NeuroImage*, 129, 25-39.
  23. **Cao F**. (invited review article) (2016). Neuroimaging studies on bilingual reading. *Bilingualism: Language and Cognition*. 19(4), 683-688.
  24. **Cao F**, Brennan C & Booth JR. (2015). The brain adapts to orthography with experience: Evidence from English and Chinese. *Developmental Science*, 18(5): 785-798.
  25. **Cao F**, Kim S, Liu Y & Liu L. (2014). Similarities and differences in brain activation and functional connectivity in first and second language reading: Evidence from Chinese learners of English. *Neuropsychologia*, 63, 275-284.
  26. **Cao F**, Tao R, Liu L, Perfetti CA, & Booth JR. (2013). High proficiency of second language is characterized by greater involvement of the first language network:

- evidence from Chinese learners of English. *Journal of Cognitive Neuroscience*, 25(10), 1649-1663.
27. **Cao F**, Rickles B, Vu M, Zhu Z, Chan H, Harris L, Stafura J & **Perfetti CA**. (2013). Early-stage visual processing predicts retention in second language learning: an ERP study. *Journal of Neurolinguistics*, 26(4), 440-461.
  28. **Perfetti CA**, **Cao F**, Booth JR. (2013). Specialization and universals in the development of reading skill: How Chinese research informs a universal science of reading. *Scientific Studies of Reading*, 17(1), 5-21.
  29. Brennan C, **Cao F**, Pedroarena-Leal N, McNorgan C & **Booth JR**. (2013). Learning to read reorganizes the oral language network only in alphabetic writing systems. *Human Brain Mapping*, 34(12), 3354-3368.
  30. **Cao F**, Vu M, Chan H, Lawrence J, Harris L, Guan Q, Xu Y & **Perfetti CA**. (2013). Writing affects the brain network of reading in Chinese: an fMRI study. *Human Brain Mapping*, 34(7), 1670-1684.
  31. **Cao F**, Khalid K, Lee R, Brennan C, Yang Y, Li K, Bolger DJ, & **Booth JR**. (2011). Development of brain networks involved in spoken word processing of Mandarin Chinese. *NeuroImage*, 57(3), 750-759.
  32. **Cao F**, Lee R, Shu H, Yang Y, Xu G, Li K & **Booth JR**. (2010) Cultural constraints on brain development - Evidence from a developmental study of Chinese visual words processing. *Cerebral Cortex*, 20(5), 1223-1233.
  33. **Cao F**, Khalid K, Zaveri R, Bolger DJ, Bitan T & **Booth JR**. (2010) Neural correlates of priming effects in children during spoken words processing with orthographic demands. *Brain and Language*, 114(2), 80-89.
  34. Liu L, Deng X, Peng D, **Cao F**, Ding G, Jin Z, Zeng Y, Li K, Zhu L, Fan N, Deng Y & **Booth JR**. (2009) Modality- and task-specific brain regions involved in Chinese lexical processing. *Journal of Cognitive Neuroscience*, 21, 1473-1487.
  35. **Cao F**, Peng DL, Liu L, Jin Z, Fan N, Deng Y, & **Booth JR**. (2009). Developmental differences of neurocognitive networks of phonological and semantic processing in Chinese word reading. *Human Brain Mapping*, 30(3), 797-809.
  36. **Cao F**, Bitan T & **Booth JR**. (2008). Effective connectivity in children with reading difficulties during phonological processing. *Brain and Language*, 107, 91-101.
  37. **Cao F**, Bitan T, Chou TL, Burman DD & **Booth JR**. (2006). Deficient orthographic and phonological representations in developmental dyslexics revealed by brain activation patterns. *Journal of Child Psychology and Psychiatry*, 47(10), 1041-1050.
  38. Bitan T, Burman DD, Chou TL, Dong L, Cone NE, **Cao F**, Bigio JD & **Booth JR**. (2007) The interaction between orthographic and phonological information in children: an fMRI study. *Human Brain Mapping*, 28(9), 880-891.
  39. **Chou TL**, Booth JR, Bitan T, Burman DD, Bigio JD, Cone NE, Dong L & **Cao F**. (2006). Developmental and skill effects on the neural correlates of semantic processing to visually presented words. *Human Brain Mapping*, 27, 915-924.
  40. **Shu H**, Meng X, Chen X, Luan H, & **Cao F**. (2005). The subtypes of developmental dyslexia in Chinese: Evidence from three cases. *Dyslexia*, 11, 311-329.
  41. **Zhang Y**, Zhou X, Shu H, & **Cao F**. (2003) Lexical and sub-lexical contribution to phonological activation in reading Chinese: Interaction with children's reading ability. *Acta Psychological Sinica*, 35 (Supplement), 6-13.

## Book chapters

**Cao F** (2018). Neural correlates of Chinese word reading. In H. K. Pae (Ed.), *Writing systems, reading processes, and cross-linguistic influences: Reflections from the Chinese, Japanese and Korean languages*. Amsterdam/Philadelphia: John Benjamins

### Manuscripts

1. Yan X\*, Feng G, Fu Y, Li H, Hua J, Liu X, **Cao F.** (under review). Reduced print-speech convergence in children and adults with reading disability.
2. Wang A\*, Feng G, Yan X, **Cao F.** (under review). Task-general and task-specific deficits in the brain in children with developmental dyslexia.
3. Feng G\*, Yan X, Shen L, Mao J, Wu Y, Shi L, **Cao F.** (under review). The effectiveness of a morphological intervention in Chinese children with reading disability.

### Conference Oral Presentations

- Cao F.** Two possible endophenotypes of reading disability. The *6<sup>th</sup> Annual Asian Reading and Writing Association Conference, Feb. 2022, Hong Kong*. Session Chair
- Cao F,** Yan X, Deng Y. Neural signature of phonological deficits in Chinese children with developmental dyslexia. The *16<sup>th</sup> International Conference on the Processing of East Asian Languages, Dec. 2016, Guangzhou, China*.
- Kim S\*, Liu L, & **Cao F.** Is Korean more similar to Chinese than to English? An fMRI study on Korean-Chinese-English trilinguals. The *10<sup>th</sup> International Conference on Cognitive Science, Sep. 2015, Torino, Italy*.
- Cao F.** High proficiency in a second language is characterized by greater involvement of the first language network. The *9<sup>th</sup> International Symposium of Bilingualism, June, 2013, Singapore*.
- Cao F,** Vu M, Chan H, Lawrence J, Harris L, Guan Q, Xu Y & Perfetti CA. Writing helps reading: Evidence from learning Chinese. *Society of Scientific Studies of Reading, July, 2011, St. Pete Beach, Fl*.

### Conference Posters

- Zhang Q, Yan X, & **Cao F.** Bilingual dyslexic children show both language universal and language specific deficit in the brain. *SNL, August, 2019, Helsinki, Finland*.
- Yan X, Spray G, Liu Y, & **Cao F.** Neural Correlates of visuo- orthographic processing in Chinese children with developmental dyslexia. *CNS, April, 2017, San Francisco*.
- Dodson-Garrett M, Chen W, Yan X, Deng Y & **Cao F.** Assimilation takes time to happen in the brain: a comparison between bilingual children and bilingual adults. *MSHA, April, 2017, Grand Rapid, Michigan*.
- Rios V, Sussman B, & **Cao F.** The transfer effect of L1 metalinguistic skills in Chinese and Spanish L2 learning. *MSHA, April, 2016, Grand Rapid, Michigan*.
- Spray G, Kim S, & **Cao F.** Neural Correlates of spoken language processing in Korean-Chinese-English trilinguals. *MSHA, April, 2016, Grand Rapid, Michigan*.
- Yan X, & **Cao F.** Neural Correlates of visuo- orthographic processing in Chinese children with developmental dyslexia. *MSHA, April, 2016, Grand Rapid, Michigan*.
- Sussman B & **Cao F.** The development of white matter integrity in Chinese children. *The Annual Conference of Society for Neuroscience, October, 2015, Chicago*.

- Yan X, & **Cao F**. Neural Correlates of phonological and orthographic processing in Chinese children with developmental dyslexia. *The Annual Conference of Society for Neuroscience, October, 2015, Chicago.*
- Lagarrigue A, Longcamp M, Anton J, Nazarian B, Prevot L, Velay J, **Cao F**, Frenck-Mestre C. The neural network of reading: Does writing help the brain accommodate for linguistic diversity? *The 7th conference of Society for Neurobiology of Language Conference, October, 2015, Chicago.*
- Sussman B & **Cao F**. The development of white matter integrity in Chinese children. *The 7th conference of Society for Neurobiology of Language Conference, October, 2015, Chicago.*
- Yan X, & **Cao F**. Neural Correlates of phonological and orthographic processing in Chinese children with developmental dyslexia. *The 7th conference of Society for Neurobiology of Language Conference, October, 2015, Chicago.*
- Kim S, & **Cao, F**. The effect of first language on brain reading network in second language: Evidence from Korean-English and Chinese-English bilingual groups. *The 7th conference of Society for Neurobiology of Language Conference, October, 2015, Chicago.*
- Kim S, & **Cao, F**. Assimilation and accommodation in non-native reading networks: Evidence from Korean-Chinese-English multilinguals. *The 6th Society for Neurobiology of Language Conference, August, 2014, Amsterdam, Netherlands.*
- Cao F**, Kim S, Liu Y & Liu L. Similarities and differences in brain activation and functional connectivity in first and second language reading: Evidence from Chinese learners of English. *Cognitive Neuroscience Society, April, 2014, Boston, MA.*
- Kim SY, Liu Y, & **Cao F**. Same reading network but different connectivity for first and second language: Evidence from Chinese learners of English. *The 43rd Annual Meeting of the Society for Neuroscience, November, 2013, San Diego, CA, USA.*
- Cao F**, Liu L, Tao R & Booth JR. High proficiency in a second language is characterized by greater involvement of the first language network. *Cognitive Neuroscience Society, April, 2013, San Francisco, CA.*
- Cao F**, Liu L, Tao R & Booth JR. High proficient bilinguals show greater assimilation: evidence from late Chinese-English bilinguals. *Organization of Human Brain Mapping, June, 2012, Beijing, China.*
- Kwok F, Ho R, **Cao F**, Chen A. A meta-analysis study on Chinese dyslexia. *Organization of Human Brain Mapping, June, 2012, Beijing, China.*
- Brennan C, **Cao F**, Pedroarena-Laele N, McNorgan C & Booth JR Learning to reading reorganizes the oral language network only in alphabetic writing systems. *Cognitive Neuroscience Society, April, 2012, Chicago, IL.*
- Cao F**, Vu M, Chan H, Lawrence J, Harris L, Guan Q, Xu Y & Perfetti CA. Writing changes the brain network of reading in Chinese: an fMRI study. *Organization of Human Brain Mapping, June, 2011, Quebec, Canada.*
- Cao F**, Vu M, Chan H, Lawrence J, Harris L, Guan Q, Xu Y & Perfetti C. Writing helps reading in English learners of Chinese: an fMRI study. *Society for Neuroscience, November, 2010, San Diego, CA.*

- Brennan C, **Cao F**, & Booth JR. Cultural constraints on brain development – Evidence from a Chinese visual word processing study. *Organization of Human Brain Mapping, June, 2010, Barcelona, Spain.*
- Cao F**, Lee R, Shu H, Yang Y, Xu G, Li K & Booth JR. Cultural constraints on brain development – Evidence from a Chinese visual word processing study. *Organization of Human Brain Mapping, June, 2009, San Francisco, CA.*
- Bolger DJ, Gray J, Minas J, **Cao F**, Burman DD, Booth JR. Differential effects of phonological and orthographic consistency in cortex in children with and without reading disorders. *Society for the Scientific Studies of Reading: June, 2009, Boston, MA.*
- Bolger DJ, Minas J, **Cao F**, Burman DD, Booth JR. Phonological and orthographic consistency effects in cortex for normal and impaired readers. *Cognitive Science Society: July, 2008, Washington, DC.*
- Bolger DJ, Minas J, **Cao F**, Burman DD, Booth JR. Differential effects of phonological and orthographic consistency in cortex for children with and without reading disorders. *Society for Scientific Studies of Reading: July, 2008, Asheville, NC.*
- Cao F**, Peng DL, Liu L, Jin Z, Fan N, Deng Y & Booth JR. Developmental differences of neurocognitive networks for phonological and semantics processing in Chinese word reading. *Cognitive Neuroscience Society: April, 2008, San Francisco, CA.*
- Zaveri R, **Cao F**, Bolger DJ & Booth JR. Orthographic and phonological cortical priming effects in children during spoken language processing. *Cognitive Neuroscience Society: April, 2008, San Francisco, CA.*
- Liu L, Deng X, Peng D, **Cao F**, Ding G, Jin Z, Zeng Y, Li K, Zhu L, Fan N, Deng Y & Booth JR. Modality- and task-specific brain regions involved in Chinese lexical processing. *Cognitive Neuroscience Society: April, 2008, San Francisco, CA.*
- Cao F**, Bitan T, Chou T, Burman D, & Booth JR. Altered brain activity and connectivity of children with dyslexia during phonological processing. *Organization of Human Brain Mapping, June, 2007, Chicago, IL.*
- Booth JR, Bitan T, **Cao F**, Chou T, Bebko G, Burman DD. Development changes in activation patterns and effective connectivity during phonological and semantic processing and its breakdown in reading disorders. *Cognitive Neuroscience Society: May, 2007, New York, NY.*
- Cao F**, Shu H, Booth JR, & Shan B. Phonological access of Chinese characters' components: Evidence from an fMRI study. *Cognitive Neuroscience Society Annual Conference, April 2005, New York, NY.*
- Cao F** & Shu H. The role of phonological and morphological processing in learning to read: Evidence from normal and dyslexic children. *The Tenth International Conference on Cognitive Processing of Chinese and Other Related Asian Languages (ICPCORAL, 2002, Taipei, Taiwan).*

### Courses taught

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|------------------|--|
| 2022 Spring-     | Psych2067 Seminar in Cognitive Sciences, University of Hong Kong |
| 2022 spring-     | Psych2022 Biological Psychology, University of Hong Kong         |
| 2020 Spring-2022 | PSYCH4120 Neurophysiology, Sun Yat-Sen University                |

2020 Fall-2022	PSYCH5120 Child and adolescent development, <i>Sun Yat-Sen University</i>
2017 Spring-2022	PSYCH5220 Developmental cognitive disorders, <i>Sun Yat-Sen University</i>
2017 Fall -2022	PSYCH5010 Advanced Research methods-fMRI, <i>Sun Yat-Sen University</i>
2016 Spring-2017 Spring	CSD 992 Special Topic: Developmental dyslexia, <i>Michigan State University</i>
2015 Fall-2017 Fall	CSD 991 Research survey, <i>Michigan State University</i>
2015 Spring-2016 Spring	CSD 820 Language assessment and intervention: Early stages, <i>Michigan State University</i>
2014 Fall-2017 Fall	CSD 813 Neuroanatomy and neurophysiology, <i>Michigan State University</i>
2011-2013	HSS 809 Reading development and disorders, <i>Nanyang Technological University, Singapore</i>

### Invited Talks

February, 2022	Department of Communication Sciences and Disorders, University of South Carolina
February, 2021	Department of Psychology, Chinese University of Hong Kong
February, 2021	Center of Brain and Cognition, University of Macau
June, 2020	Bilingualism Forum, Center for Linguistics and Applied Linguistics, Guangdong University of Foreign Studies
April, 2019	Autism forum, the Third Hospital affiliated with Sun Yat-Sen University
April, 2017	Department of Psychology, Sun Yat-Sen University
December, 2016	State Key lab of learning and cognitive neuroscience, Beijing Normal University, Beijing
December, 2016	Language research center, Beijing Science and Technology University, Beijing
December, 2016	Department of Psychology, Tsinghua University, Beijing
January, 2015	Cognitive Forum, Psychology department, Michigan State University
June, 2014	Brain and Language Research Institute (BLRI), Aix-Marseille Université, France
April, 2014	Michigan Dyslexia Institute
December, 2011	National Institute of Education, Nanyang Technological University
March, 2011	School of Education, University of California, Davis
February, 2011	School of Humanities and Social Sciences, Nanyang Technological University, Singapore
February, 2011	Institute of Psychology, Chinese Academy of Sciences
February, 2011	Department of Psychology, Peking University
April, 2009	Department of Psychology, Penn State University

March, 2009

LRDC, University of Pittsburgh

## **Student Research Mentorship**

### ***Postdoctoral research fellowship***

Qing Zhang, Ph.D., Department of Psychology, Sun Yat-Sen University, 2019-2021

Lanfeng Liu, Ph.D., Department of Psychology, Sun Yat-Sen University, 2018-2020

Bethany Sussman, Ph.D., Communication Sciences and Disorders, Michigan State University, 2014-2016

Say Young Kim, Ph.D., Division of Psychology, School of Humanities and Social Sciences, Nanyang Technological University, Singapore, 2011-2013

### ***Dissertation Chair***

Xiaohui Yan, Department of Psychology, Sun Yat-Sen University, 2018-2022

Guoyan Feng, Department of Psychology, Sun Yat-Sen University, 2018-2022

Shilin Xu, Department of Psychology, Sun Yat-Sen University, 2018-2022

Xinhong Liu, Department of Psychology, Sun Yat-Sen University, 2020-2024

Gregary J. Spray, CSD, Michigan State University, 2014-2019

Xin Yan, CSD, Michigan State University, 2014-2019

Hengshuang Liu, Division of Psychology, Nanyang Technological University, Singapore, 2011-2014

### ***Master's Thesis Chair***

Weizheng Li, Department of Psychology, Sun Yat-Sen University, Summer 2022

Wei Xian, Department of Psychology, Sun Yat-Sen University, Summer 2022

Yu Wu, Department of Psychology, Sun Yat-Sen University, Summer 2022

Yang Fu, Department of Psychology, Sun Yat-Sen University, Summer 2022

Jiaqi Mao, Department of Psychology, Sun Yat-Sen University, passed 2021

Yulian Zhou, Department of Psychology, Sun Yat-Sen University, passed 2021

Yuyu Fan, Department of Psychology, Sun Yat-Sen University, passed 2021

Ke Jiang, Department of Psychology, Sun Yat-Sen University, passed 2021

Zan Wang, Department of Psychology, Sun Yat-Sen University, passed 2021

Tingting Kuang, Department of Psychology, Sun Yat-Sen University, passed 2020

Shuyi Ma, Department of Psychology, Sun Yat-Sen University, passed 2020

Valeria Rios, CSD, Michigan State University, passed 2016

### ***Senior Honors Thesis Supervisor***

Canye Zhang, Department of Psychology, Sun Yat-Sen University, passed 2021

Tianqing Chen, Department of Psychology, Sun Yat-Sen University, passed 2021

Simeng Luo, Department of Psychology, Sun Yat-Sen University, passed 2020

Linling Shen, Department of Psychology, Sun Yat-Sen University, passed 2020

Qingrui Cai, Department of Psychology, Sun Yat-Sen University, passed 2019

Yunlong Tan, Department of Psychology, Sun Yat-Sen University, passed 2019

### ***Mentored Undergraduate Research Honors college***

Maddie Dodson-Garrett, CSD, Michigan State University 2015-2017

Ryan M. Mack, CSD, Michigan State University 2014-2016

**Grant Reviewer**

Research Grants Council (RGC) of Hong Kong  
National Sciences and Engineering Research Council of Canada  
American Speech-Language-Hearing Association  
Medical Research Council, UK

**Ad-hoc Journal Reviewer**

Cerebral cortex  
Human Brain Mapping  
NeuroImage  
Journal of Neuroscience  
European Journal of Neuroscience  
Memory and Cognition  
Journal of Experimental Child Psychology  
Language Learning and Development  
Brain Research  
Brain and Language  
Bilingualism: Language and Cognition  
Cognition

**Professional Affiliations**

Asian Reading and Writing Association  
Society of Scientific Studies of Reading  
Society for the Neurobiology of Language  
Society for Neuroscience  
Cognitive Neuroscience Society  
Organization of Human Brain Mapping

**Services**

2017-2022	Psychology Department, Sun Yat-Sen University, Faculty search and promotion committee Psychology Department, Sun Yat-Sen University, Graduate study committee
2016-2017	CAS, Michigan State University, College Advisory Council CSD representative CSD, Michigan State University, Department Advisory Committee CSD, Michigan State University, Faculty search committee
2014-2017	CSD, Michigan State University, Graduate admission committee CSD, Michigan State University, Curriculum committee CSD, Michigan State University, Grievance committee