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Academic and Professional Qualifications

Ph.D. in Linguistics, City University of Hong Kong, Hong Kong

M.A. in Chinese linguistics, Peking University, China

B.A. in Chinese linguistics, Beijing Normal University, China

Academic and Professional Experience

2020 - present **Research Assistant Professor**, Department of English Language and Literature, Hong Kong Baptist University.

2019 - present **Visiting Associate Research Fellow**, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences.

2019 - 2020 **Associate Professor**, School of Humanities, Shanghai Jiao Tong University, China.

2017 - 2019 **Postdoctoral fellow**, Department of Chinese and Bilingual Studies, The Hong Kong Polytechnic University.

Teaching experience

Hong Kong Baptist University, Instructor

ENGL 1005	*English, Creativity, and Cultures*	2021-2022 S2
ENGL 3026	*Special Topic in Language*	2020 - 2021 S1/2021-2022 S2/2022-2023 S1
ENGL 2026	*Argumentation and Persuasion*	2020 - 2021 S1/S2

Scholarly/Creative/Professional Works

Research grants

1. Faculty of Arts Research Impact Fund, **Hong Kong Baptist University.** "*Hearing rehabilitation for Cantonese-speaking older adults with age-related hearing loss: a pilot study*". September. 2022 – September. 2023. HK$50,000. Role: PI.

2. National Natural Science Foundation of China [NSFC, Project No. 11904381]. "*Will explicit learning reshape the behavioural and brain responses in amusia? An intervention study on congenital amusia*". Jan. 2020 – Dec. 2022. CNY¥270,000 (HK$300,000). Role: PI.

Teaching grants

1. Teaching Development Grants, Hong Kong Baptist University. "*Scientific instruments in the linguistics laboratory: training students to bring technology into linguistic study*". March. 2023 – August. 2024. HK$159,648. Role: PI. Co-I: Dr. Mingxing Li.

Scholarly books, monographs and chapters

1. Li, B., & **Shao, J.** (2015). Perception and production of Chinese sounds by non- native speakers. In *Encyclopedia of Chinese Language and Linguistics.* (eds.) Rint Sybesma. Brill.

Refereed journal publications

1. Zhu, J., Chen, X., Chen, F., Zhang, C., **Shao, J.,** & Wiener, S. (Under review). Lifelong tone deafness does not preclude distributional learning of non- native tonal languages in individuals with congenital amusia. *Journal of Speech, Language, and Hearing Research.*
2. Zhu, J., Chen, X., Chen, F., Zhang, C., **Shao, J.,** & Wiener, S. (Under review). Distributional learning of musical pitch despite tone deafness in individuals with congenital amusia. *Journal of Acoustical Society of America.*
3. Liu, B., Hao, G., Cui, Y., Fang, J., Ji, M., Wu, J., Jiang, J., **Shao, J.,** & Liu H. (Revised and resubmitted). Introduction of voice type component (VTC) as an effective acoustic voice analysis method in teleevaluation. *Clinical linguistics and phonetics.*
4. Xu, M., **Shao, J.*,** Liu, B., Wang, L., Ding, H., & Zhang., Y.* (In press). Aging-related decline in whispered speech perception not compensated for by increased duration and intensity: Evidence from Mandarin-speaking adult listeners. *Journal of Speech, Language, and Hearing Research.*
5. **Shao, J.,** Bakhtiar, M., & Zhang, C. (2022). Impaired categorical perception under backward masking in adults who stutter. *Journal of Speech, Language, and Hearing Research.*
6. Xu, M., **Shao, J.*,** Ding, H., Wang, L. (2022). Whispered speech processing in Mandarin-speaking younger and older adult listeners. *Frontiers in Psychology.*

7. Zhang, G., **Shao, J.,** Zhang, C., & Wang, L. (2022). The perception of lexical tone and intonation in whispered speech by Mandarin-speaking congenital amusics. *Journal of Speech, Language, and Hearing Research*, *65*(4), 1331-1348.
8. **Shao, J.,** Zhang, C., Zhang, G., Zhang, Y., & Pattamadilok, C. (2022). The effects of alphabetic literacy and processing demand on the dichotic listening of lexical tones. *Frontiers in Psychology.*
9. Bakhtiar, M., **Shao, J.,** Cheung, M. N., & Zhang, C. (2021). Categorical perception of speech sounds in adults who stutter. *Clinical Linguistics & Phonetics*, 35(6), 560-576. https://doi.org/10.1080/02699206.2020.1803407.
10. Zhang, C., Ho, O. Y., **Shao, J.,** Ou, J., &Law, S. P. (2021). Dissociation of tone merger and congenital amusia in Hong Kong Cantonese. *PloS One.* 16(7), e0253982.
11. **Shao, J.,** & Zhang, C. (2020). Dichotic perception of lexical tones in Cantonese-speaking congenital amusics. *Frontiers in Psychology*, *11*, 1411. https://doi.org/10.3389/fpsyg.2020.01411
12. **Shao, J.,** Wang, L., & Zhang, C. (2020). Talker Processing in Mandarin-Speaking Congenital Amusics. *Journal of Speech, Language, and Hearing Research*, *63*(5), 1361-1375. https://doi.org/10.1044/2020_JSLHR-19-00209
13. **Shao, J.,** & Zhang, C. (2019). Talker normalization in typical Cantonese-speaking listeners and congenital amusics: Evidence from event-related potentials. *NeuroImage: Clinical*, 101814. https://doi.org/10.1016/j.nicl.2019.101814
14. **Shao, J.,** Lau, R. Y. M., Tang, P. O. C., & Zhang, C. (2019). The Effects of Acoustic Variation on the Perception of Lexical Tone in Cantonese-Speaking Congenital Amusics. *Journal of Speech, Language, and Hearing Research*, *62*(1), 190-205. https://doi.org/10.1044/2018_JSLHR-H-17-0483
15. **Shao, J.,** & Li, B. (2019). Assessing effectiveness of lexical processing strategies and techniques in Chinese-as-a-second-language reading, *Huawen jiaoxue yu yanjiu, 2*, 71-80. *(In Chinese)*.
16. Zhang, C., and **Shao, J.** (2018). Normal pre-attentive and impaired attentive processing of lexical tones in Cantonese-speaking congenital amusics. *Scientific Reports, 8*(1), 8420. DOI:10.1038/s41598-018-26368-7
17. Zhang, C., **Shao, J.,** and Chen, S. (2018). Impaired perceptual normalization of lexical tones in Cantonese-speaking congenital amusics. *Journal of the Acoustical Society of America, 144*(2), 634-647. https://doi.org/10.1121/1.5049147.
18. Li, B., **Shao, J.**, & Chen, S. (2018). Perception of Mandarin sibilants by beginning Chinese learners. *Chinese Journal of Phonetics. 9*: 54-62. *(In Chinese)*.
19. **Shao, J.,** & Zhang, C. (2018). Context integration deficit in tone perception in Cantonese speakers with congenital amusia. *The Journal of the Acoustical Society of America*, *144*(4), EL333-EL339. https://doi.org/10.1121/1.5063899.

20. Zhang, C., **Shao, J.,** and Huang, X. (2017). Deficits of congenital amusia beyond pitch: Evidence from impaired categorical perception of vowels in Cantonese-speaking congenital amusics. *PLoS ONE*, 12(8):e0183151. DOI: 10.1371/journal.pone.0183151.
21. Zhang, C., Peng, G., **Shao, J.,** and Wang, W. S-Y. (2017). Neural bases of congenital amusia in tonal language speakers. *Neuropsychologia, 97*, 18-28. DOI: 10.1016/j.neuropsychologia.2017.01.033
22. Li, B., **Shao, J.,** and Bao, M. (2017). Effects of phonetic similarity in the identification of Mandarin tones. *Journal of psycholinguistic research*, *46*(1), 107-124. DOI: 10.1007/s10936-016-9422-6.

Refereed conference papers (# indicates research assistants supervised)

1. Xu, M.[#], **Shao, J.,** Ding, H., & Wang, L. (2022). Acoustic-perceptual correlates of whispered Mandarin consonants. in *International Symposium on Chinese Spoken Language Processing (Singapore)*. (**EI indexed**)
2. Fan, Z.[#], **Shao, J.,** Pan, W., Xu, M., & Wang, L. (2022). The effect of backward noise on lexical tone discrimination in Mandarin-speaking amusics. *Proc. Interspeech 2022*, (pp. 2148-2152). **(EI indexed)**
3. Fan, Z.[#], **Shao, J.,** Pan, W., & Wang, L. (2022). Revisiting visuo-spatial processing in individuals with congenital amusia. *Proc. Interspeech 2022*, (pp. 4830-4834). **(EI indexed)**
4. Xu, M.[#], **Shao, J.,** & Wang, L. (2021). Effects of aging and age-related hearing loss on talker discrimination. *Proc. Interspeech 2021*. (pp. 1728-1732). **(EI indexed)**
5. **Shao, J.,** Wang, L., & Zhang, C. (2019). Impaired talker rocognition in Mandarin-speaking congenital amusics. In *Proceedings of the 19th International Congress of Phonetic Sciences* (pp. 1808-1812). **(EI indexed)**
6. Zhang, G., **Shao, J.,** Wang, L., & Zhang, C. (2019). The perception of lexical tone in whispered speech by Mandarin-speaking congenital amusics. In *The 19th International Congress of the Phonetic Sciences.* (pp. 3872-3876). **(EI indexed)**
7. Ho, O. Y., **Shao, J.,** Ou, J., Law, S. P., & Zhang, C. (2019). Congenital amusia and tone merger: perception and production of lexical tones in Hong Kong Cantonese. In *Proceedings of the 19th International Congress of Phonetic Sciences* (pp. 177-181). **(EI indexed)**
8. **Shao, J.,** Tang, P. O. C., & Zhang, C. (2018). The effect of syllable variation on the perception of lexical tones in Cantonese-speaking amusics. In *Proceedings of 9th International Conference on Speech Prosody* (pp. 148-152). **(EI indexed)**
9. Zhang, G., **Shao, J.,** Huang, X., Wang, L., & Zhang, C. (2018). Unequal impairment of native and non-native tone perception in cantonese speakers with congenital amusia In *Proceedings of 9th International Conference on Speech Prosody* (pp. 562-566). **(EI indexed)**
10. Ho, O. Y., **Shao, J.,** Ou, J., Law, S. P., & Zhang, C. (2018). Tone merging patterns in congenital amusia in Hong Kong Cantonese. In *Proceedings of TAL2018, Sixth International Symposium on Tonal Aspects of Languages* (pp. 13-17). **(EI indexed)**

11. Zhang, G., **Shao, J.,** Zhang, Y., & Zhang, C. (2018). Revisiting hemispheric lateralization for Cantonese lexical tone processing in dichotic listening. In *Proceedings of TAL2018, Sixth International Symposium on Tonal Aspects of Languages* (pp. 129-133). **(EI indexed)**
12. **Shao, J.,** Mak, J. C. Y., & Zhang, C. (2017). The role of talker similarity in the perceptual learning of L2 tone categories. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.) *Proceedings of the 39th Annual Conference of the Cognitive Science Society*. **(EI indexed)**
13. **Shao, J.,** Huang, X,. & Zhang. C. (2017). Impaired phonological processing of lexical tones in Cantonese speakers with congenital amusia. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.) *Proceedings of the 39th Annual Conference of the Cognitive Science Society*. **(EI indexed)**
14. **Shao, J.,** Zhang, C., Peng, G., Yang, Y., & Wang, W. S. Y. (2016). Effect of noise on lexical tone perception in Cantonese-speaking amusics. In *proceedings of Interspeech* 2016. (pp. 272-276). **(EI indexed)**
15. **Shao, J.,** Li, B. (2014). Phonetic characteristics of Mandarin sibilants produced by Korean learners of Mandarin. *Proceedings of international conference on phonetic research and language learning & English phonetic conference in China.* (pp:146-149).
16. Li, B., **Shao, J**. (2014). Development of sensitivity to tone correlates by learners of Mandarin, *Proceedings of the 4th International Symposium on Tonal Aspects of Languages*. (pp: 156-159). **(EI indexed)**
17. Li, B., **Shao, J.,** and OH, S. (2012). Reciprocal perception of Chinese and Korean affricates and fricatives, *Proceedings of Acoustics Meeting*, ASA, Vol 15, 2012: 060003. [DOI: 10.1121/1.4772392].

Refereed conference presentations

1. **Shao, J.,** & Zhang, C.The effect of melody training on the brain responses in Cantonese-speaking congenital amusics – evidence from Event-related potentials. *The 11th annual meeting of society for the neurobiology of language*, Helsinki, Finland, 20-22 Aug, 2019.
2. **Shao, J.,** & Zhang, C. Talker-anchoring deficit in lexical tone processing in Cantonese-speaking congenital amusics: Evidence from event-related potential. *The 10th annual meeting of society for the neurobiology of language*, Quebec City, Canada, 16-18 Aug, 2018.
3. **Shao, J.,** Yang, Y.& Zhang, C. Impaired perceptual normalization of lexical tone in Cantonese-speaking congenital amusics. *The 16th International Conference on the Processing of Ease Asian Languages*, Guangzhou, China, 7-10 Dec. 2016.
4. Li. B., **Shao, J.,** & Chen, S. Acoustic analysis of L1 and L2 production of Mandarin coronal sibilants, *Laboratory Phonology 15*, Ithaca, USA, 13-17 Jul. 2016.
5. **Shao, J.,** & Li, B., High variability perceptual training in second language learning of Mandarin consonants. *New Sounds 2016 and 8th International Conference on the Acquisition of Second Language Speech,* Aarhus, Denmark, 10-12 Jun. 2016.

6. **Shao, J.,** & Li, B. Acoustic characteristics of Mandarin sibilants, *the 21th Annual Conference of IACL*, Tai Pei, 6-9 Jun. 2013.
7. **Shao, J.,** & Li, B. Incidental vocabulary learning in reading activities, *the International Morphology Conference and the 9th National Conference on Chinese Vocabulary Acquisition*, Jinan, 12-15 Oct. 2012.
8. **Shao, J.**, & Li, B. Discrimination of Chinese fricatives and affricates by native Korean speakers, *the 20th Annual Conference of IACL*, Hong Kong, 29-31 Aug. 2012.
9. Li, B., & **Shao, J**. Perception of Korean consonants by Chinese speakers, *International Journal of Arts and Sciences Multidisciplinary Conference*, Florence, Italy, 19 - 22 Jun. 2012.
10. Li, B., **Shao, J.,** & Oh, S. Reciprocal perception of Chinese and Korean affricates and fricatives, *the 163th Annual Meeting of the Acoustical Society of America & Acoustics 2012 Hong Kong by the Acoustical Society of Hong Kong*, Hong Kong, PRC, 13-18 May 2012.
11. Shuai, L., Li, B., & **Shao, J.** The role of tones in lexical processing, *The Inauguration Conference of the Chinese Association of Psycholinguistics*, Guangzhou, China, 17-18 Dec. 2011.