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### Education

**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

### Employment History

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

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

### Research funding (as principle investigator)

**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).

### Publications

#### (i) Refereed journal articles

1. **Shao, J.**, Zhang, C., Zhang, G., Zhang, Y., & Pattamadilok, C. (Under review). The effects of alphabetic literacy and processing demand on the dichotic listening of lexical tones.
2. Bakhtiar, M., **Shao, J.**, Cheung, M. N., & Zhang, C. (2020). Categorical perception of speech sounds in adults who stutter. *Clinical Linguistics & Phonetics*, 0(0), 1–17.  
<https://doi.org/10.1080/02699206.2020.1803407>
3. **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>
4. **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](https://doi.org/10.1044/2020_JSLHR-19-00209)

5. **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>
6. **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](https://doi.org/10.1044/2018_JSLHR-H-17-0483)
7. **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).
8. 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](https://doi.org/10.1038/s41598-018-26368-7)
9. 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>
10. Li, B., **Shao, J.**, & Chen, S. (2018). Perception of Mandarin sibilants by beginning Chinese learners. *Chinese Journal of Phonetics*. 9: 54-62. (In Chinese).
11. **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>
12. 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](https://doi.org/10.1371/journal.pone.0183151)
13. 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](https://doi.org/10.1016/j.neuropsychologia.2017.01.033)
14. 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](https://doi.org/10.1007/s10936-016-9422-6)

### **(ii) Book chapters**

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

### **(iii) Refereed Conference proceedings**

1. **Shao, J.**, Wang, L., & Zhang, C. Impaired talker processing in Mandarin-speaking amusics. In *Proceedings of 19<sup>th</sup> International Congress of Phonetic Sciences*, Melbourne, Australia, August 5-8, 2019.
2. Zhang, G., **Shao, J.**, Wang, L., & Zhang, C. The perception of lexical tone in whisper speech in Mandarin-speaking amusics. In *Proceedings of 19<sup>th</sup> International Congress of Phonetic Sciences*, Melbourne, Australia, August 5-8, 2019.
3. Ho, O. Y., **Shao, J.**, Ou, J., Law, S. P., & Zhang, C. Congenital amusia and tone merger: perception and production of lexical tones in Hong Kong Cantonese. In *Proceedings of 19<sup>th</sup> International Congress of Phonetic Sciences*, Melbourne, Australia, August 5-8, 2019.

4. **Shao, J.**, Tang, P. O. C., & Zhang, C. 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). Poznań, Poland, June 13-16, 2018.
5. Zhang, G., **Shao, J.**, Huang, X., Wang, L., Zhang, C. Unequal Impairment of Native and Non-native Tone Perception in Cantonese-speaking Congenital Amusics. In *Proceedings 9th International Conference on Speech Prosody* (pp. 562-566). Poznań, Poland, June 13-16, 2018.
6. Ho, O. Y., **Shao, J.**, Ou, J., Law, S. P., & Zhang, C. Tone Merging Patterns in Congenital Amusia in Hong Kong Cantonese. In *Proceedings TAL2018, Sixth International Symposium on Tonal Aspects of Languages* (pp. 134-138). Berlin, Germany, June 18-20, 2018.
7. Zhang, G., **Shao, J.**, Zhang, Y., & Zhang, C. 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). Berlin, Germany, June 18-20, 2018.
8. **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*, Austin, TX: Cognitive Science Society, London, UK, July 28-30, 2017.
9. **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*, Austin, TX: Cognitive Science Society, London, UK, July 28-30, 2017.
10. **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 *Interspeech* (pp. 272-276). San Francisco, USA, September 8-10, 2016.
11. **Shao, J.**, Li, B. 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*. Changsha, China, October 17-19, 2014. (pp:146-149)
12. Li, B., **Shao, J.** Development of sensitivity to tone correlates by learners of Mandarin, *Proceedings of the 4th International Symposium on Tonal Aspects of Languages*, Nijmegen, the Netherlands, 13-16 May 2014. (pp: 156-159)
13. Li, B., **Shao, J.**, and OH, S. Reciprocal perception of Chinese and Korean affricates and fricatives, *Proceedings of Acoustics Meeting, ASA*, Vol 15, 2012: 060003. [DOI: 10.1121/1.4772392].

#### **(iv) Conference Presentations**

1. **Shao, J.** and Zhang, C. The effect of melody training on the brain responses in Cantonese-speaking congenital amusics – evidence from Event-related potentials. *The 11<sup>th</sup> annual meeting of society for the neurobiology of language*, Helsinki, Finland, 20-22 Aug, 2019.
2. **Shao, J.** and Zhang, C. Talker-anchoring deficit in lexical tone processing in Cantonese-speaking congenital amusics: Evidence from event-related potential. *The 10<sup>th</sup> annual meeting of society for the neurobiology of language*, Quebec City, Canada, 16-18 Aug, 2018.
3. **Shao, J.**, Yang, Y. and Zhang, C. Impaired perceptual normalization of lexical tone in Cantonese-speaking congenital amusics. *The 16<sup>th</sup> International Conference on the Processing of East Asian Languages*, Guangzhou, China, 7-10 Dec. 2016.

4. Li, B., **Shao, J.**, and 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.** and 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.** and Li, B. Acoustic characteristics of Mandarin sibilants, *the 21th Annual Conference of IACL*, Tai Pei, 6-9 Jun. 2013.
7. **Shao, J.** and 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.** and 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. and **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.** and 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. and **Shao, J.** The role of tones in lexical processing, *The Inauguration Conference of the Chinese Association of Psycholinguistics*, Guangzhou, China, 17-18 Dec. 2011.