

## Quentin Zhen Qin

### Curriculum Vitae

Also known as: Zhen Qin; Quentin Qin; 秦震

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### ACADEMIC APPOINTMENTS

- 07.2020-present      Assistant Professor (tenure-track), Division of Humanities  
Principle Investigator of Speech, Learning, and the Brain (SLaB) Lab  
Associate Director, Center for Chinese Linguistics  
Hong Kong University of Science and Technology (HKUST)
- 09.2018-06.2020      Postdoctoral Fellow, Research Center for Language, Cognition, and Neuroscience  
Hong Kong Polytechnic University (HK PolyU)
- 09.2017-08.2018      Postdoctoral Fellow, International Chinese Education Center  
Shanghai Jiao Tong University (SJTU)

### EDUCATION

- 08.2012- 07.2017      Doctorate of Philosophy in Linguistics,  
University of Kansas (KU), USA
- 09.2009-08.2012      Master of Philosophy in Linguistics,  
Chinese University of Hong Kong (CUHK), Hong Kong SAR, China
- 09.2008-07.2009      Master of Arts in Linguistics,  
Chinese University of Hong Kong, Hong Kong SAR, China
- 09.2004-07.2008      Bachelor of Arts in French,  
Central South University (CSU), Changsha, China

### GRANTS AND FELLOWSHIPS

#### 1. Research Grants

##### *External Funding*

- 2026-2027 General Research Fund #16600425, Research Grants Council (RGC), Hong Kong, “Younger and older adults’ attentional control in their dichotic listening of Cantonese tones: the role of bilingual experience.”, HKD 516,000, role: PI.
- 2025-2027 General Research Fund #15601024, Research Grants Council (RGC), Hong Kong, “The effects of auditory cueing during sleep on generalized phonetic learning: the case of non-native lexical tone learning.”, HKD 860,380, role: Co-I (PI: Dr. Caicai Zhang).
- 2024-2026 Early Career Scheme #26600623, Research Grants Council (RGC), Hong Kong, “Adult second-language learners’ consolidation of Cantonese tones during daytime naps: the role of prior knowledge.”, HKD 630,000, role: PI.

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- 2024-2026 National Science Foundation Research Grant (BCS-2016750), “Enhancing the perception and recognition of spoken words in a second language: A cue-weighting approach.”, USD 449,961, role: Co-I (PI: Dr. Annie Tremblay).
- 2023-2024 Multiple-Year Research Grant - General Research Grant (MYRG-GRG), Macau, “Linking production and perception of coarticulated tones: tone merging in Cantonese.”, MOP 170,000, role: Co-PI (Primary PI: Dr. Jingwei Zhang).
- 2019-2021 *The Language Learning* Early Career Research Grant (Wiley-Blackwell Publishers), “The effect of overnight consolidation on the generalization across talkers— a case study on Cantonese tones.”, USD 10,000, role: PI.
- 2016-2018 National Science Foundation Doctoral Dissertation Improvement Grant (BCS-1627554), “How native Chinese listeners and second-language Chinese learners process tones in word recognition: an eye-tracking study.”, USD 17,901, role: Co-PI (Student PI; PI: Dr. Annie Tremblay).

### ***Internal Funding***

- 2026-2027 HKUST-Southeast University (SEU) Joint Research Seed Fund, "Cognitive decline and plasticity in aging: a case study on processing and virtual-reality learning of Chinese tones.", HKD 100,000 (UST) and RMB 100,000 (SEU), role: PI. PI at SEU: Dr. Yu Chen.
- 2023-2027 Seed Funding on the Theme of Aging, Healthcare, and Mental Wellbeing, “The effect of aging on language learning and consolidation: a case study on Cantonese-speaking older adults.”, HKD 790,000, role: PI.
- 2022-2024 Sustainable Smart Campus as a Living Lab (SSC) Fund, “Staying smart by taking a nap.”, HKD 500,000, role: PI
- 2022-2024 Institute for Emerging Market Studies (IEMS) Research Grants, “Language learning by aging populations from emerging markets: an empirical study in China.”, HKD 180,000, role: PI.
- 2021-2022 Post-Doctoral Fellowship Matching Fund, HKD 162,000, role: PI.
- 2020-2025 New Faculty Start-up Fund, HKD 100,000, role: PI.

### **2. Travel Grants**

- 2024 ASA Early Career Travel Award (\$500). Support: conference travel for the 186<sup>th</sup> Meeting of the Acoustical Society of America in Ottawa, CAN
- 2019 IPA Travel Bursaries (£600). Support: conference travel for the 19<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2019) in Melbourne, AU
- 2018 ASA Early Career Travel Award (\$500). Support: conference travel for the 176<sup>th</sup> Meeting of the Acoustical Society of America in Victoria, CAN
- 2017 ASA Student Transportation Subsidy (\$230). Support: conference travel for the 173<sup>rd</sup> Meeting of the Acoustical Society of America in Boston, MA
- 2015 KU Graduate Conference Travel Grant (\$500). Support: conference travel for the 18<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2015) in Glasgow, UK
- 2014 KU Confucius Institute Travel Grant (\$1000). Support: conference travel for the 7<sup>th</sup> Speech Prosody Conference in Dublin, IRL
- 2013 KU Confucius Institute Travel Grant (\$500). Support: conference travel for the 166<sup>th</sup> Meeting of the Acoustical Society of America in San Francisco, CA
- 2010 CUHK Graduate Conference Travel Grant (\$300). Support: conference travel for the 9<sup>th</sup> Phonetics Conference of China (PCC2010) in Tianjin, CN

### 3. Awards, Scholarships, and Fellowships

- 2021 Best Early Career Scholar's Article of The Year (nominated) at the *Journal of Phonetics*
- 2019 Early Career Researcher Award (shortlist) at the ICPhS 2019 in Melbourne, AU
- 2017 KU Linguistics Dissertation Fellowship, Department of Linguistics, USA
- 2016 KU Doctoral Student Research Fund, Office of Graduate Studies, USA
- 2015 Gösta Bruce Scholarship at the ICPhS 2015 in Glasgow, UK
- 2014 KU Alternative Winter Break Volunteering Scholarship, Utah, USA
- 2013 Best Student Paper Award in Speech Communication (1<sup>st</sup> place) at 166<sup>th</sup> ASA meeting, USA
- 2009 CUHK Postgraduate Scholarship (2 years), HK
- 2006 CSU Chair Scholarship in Foreign Language School, CN
- 2005 CSU First-class Academic Scholarship in Foreign Language School, CN
- 2003 Student Leadership Award of Shandong Province, CN

### PUBLICATIONS (\* = student leading authors; ^=an equal contribution with the first author)

#### 1. Refereed Journal Articles

- [22] Tremblay, A., Cho, T., Broersma, M., Kim, H., **Qin, Q. Z.**, & Liang, J. (preprint). Toward an attentional theory of second-language speech perception: evidence from cue ecology. PsyArXiv preprint. [https://osf.io/preprints/psyarxiv/4y3rm\\_v1](https://osf.io/preprints/psyarxiv/4y3rm_v1)
- [21] \*Wang, Y., Yang, X., & **Qin, Q. Z.** (accepted). The attentional control of younger and older adults in forced-attention dichotic listening of Cantonese tones. *Journal of Speech, Language, and Hearing Research*.
- [20] **Qin, Z.**, Lee-Kim, S-I., & Qi, H. (in press). The effect of second-language learning experience on Korean listeners' use of pitch cues in the perception of Cantonese tones. *Second Language Research*. <https://doi.org/10.1177/02676583241244604>
- [19] \*Chui, Y., Lai, S., & **Qin, Q. Z.** (2025). Aging and distributional tone learning: the role of pitch memory in older adults' discrimination of Mandarin lexical tones. *Language and Cognition*, 17, e80. <https://doi.org/10.1017/langcog.2025.10035>.
- [18] **Qin, Q. Z.**, Jin, R., & Wu, R. (2025). The role of prior knowledge in second-language learners' overnight consolidation of Cantonese tones. *Journal of Phonetics*, 111, 101417. <https://doi.org/10.1016/j.wocn.2025.101417>
- [17] **Qin, Q. Z.**, Wu, R., & Zhang, C. (2025). Daytime naps consolidate Cantonese tone learning through promoting cross-talker perception: the role of prior knowledge. *Brain and Language*, 265, 105568. <https://doi.org/10.1016/j.bandl.2025.105568>
- [16] \*Chui, Y., & **Qin, Q. Z.** (2024). Individual differences in the distributional learning and overnight consolidation of the Mandarin level-falling tone contrast. *Journal of the Acoustical Society of America*, 156(6), 4256–4268. <https://doi.org/10.1121/10.0034717>
- [15] \*Liu, K., Liang, L., & **Qin, Q. Z.** (2024). The role of acoustic cues in the checked-unchecked tone merging of the Qixian Jin dialect. *JASA Express Letters*, 4(12), 125202. <https://doi.org/10.1121/10.0034496>
- [14] \*Chui, Y., & **Qin, Z.** (2024). Distributional learning and overnight consolidation of non-native tonal contrasts by tonal language speakers. *Journal of Speech, Language, and Hearing Research*, 67(7), 2038–2052. [https://doi.org/10.1044/2024\\_JSLHR-23-00711](https://doi.org/10.1044/2024_JSLHR-23-00711)
- [13] **Qin, Z.**, & ^Zhang, J. W. (2024). The role of coarticulatory tonal information in Cantonese spoken word recognition: an eye-tracking study. *Linguistics Vanguard*, 10(1), 81–91. <https://doi.org/10.1515/lingvan-2022-0158>

- [12] **Qin, Z.**, Jin, R., & Zhang, C. (2022). The effects of training variability and pitch aptitude on the overnight consolidation of lexical tones. *Journal of Speech, Language, and Hearing Research*, 65(9), 3377–3391. [https://doi.org/10.1044/2022\\_JSLHR-22-00058](https://doi.org/10.1044/2022_JSLHR-22-00058)
- [11] **Qin, Z.**, & Zhang, J. W. (2022). The use of tonal coarticulation cues in Cantonese spoken word recognition. *JASA Express Letters*, 2(3), 035202. <https://doi.org/10.1121/10.0009728>
- [10] **Qin, Z.** (2022). The second-language productivity of two Mandarin tone sandhi patterns. *Speech Communication*, 138, 98–109. <https://doi.org/10.1016/j.specom.2022.02.009>
- [9] **Qin, Z.**, Gong, M., & Zhang, C. (2021). Neural responses in novice learners' perceptual learning and generalization of lexical tones: The effect of training variability. *Brain and Language*, 223, 105029. <https://doi.org/10.1016/j.bandl.2021.105029>
- [8] **Qin, Z.**, Zhang, C., & Wang, W. S-Y. (2021). The effect of Mandarin listeners' musical and pitch aptitude on perceptual learning of Cantonese level-tones. *Journal of the Acoustical Society of America*, 149(1), 435–446. <https://doi.org/10.1121/10.0003330>
- [7] Qi, H., **Qin, Z.**, & Yan, H. (2020). An empirical study on the productivity of Mandarin tone 3 sandhi by Korean-speaking learners of Chinese. *Research on Chinese as a Second Language 对外汉语研究*, 21, 168–176.
- [6] **Qin, Z.**, & Zhang, C. (2019). The effect of overnight consolidation in the perceptual learning of non-native tonal contrasts. *PLoS ONE*, 14(12), e0221498. <https://doi.org/10.1371/journal.pone.0221498>
- [5] **Qin, Z.**, Tremblay, A., & Zhang, J. (2019). Influence of within-category tonal information in the recognition of Mandarin-Chinese words by native and non-native listeners: An eye-tracking study. *Journal of Phonetics*, 73, 144–157. <http://doi.org/10.1016/j.wocn.2019.01.002> (nominated for the Early Career Scholar's Article of the Year by the journal)
- [4] Connell, K., Hüls S., Martínez-García, M.-T., **Qin, Z.**, Shin, S., Yan, H., & Tremblay, A. (2018). English learners' use of segmental and suprasegmental cues to stress in lexical access: An eye-tracking study. *Language Learning*, 68(3), 635–668. <http://doi.org/10.1111/lang.12288>
- [3] Jongman, A., **Qin, Z.**, Zhang, J., & Sereno, J. (2017). Just noticeable differences (JNDs) for pitch direction, height, and slope for Mandarin and English listeners. *Journal of the Acoustical Society of America*, 142(2), EL163–EL169. <http://doi.org/10.1121/1.4995526>
- [2] **Qin, Z.**, Chien, Y., & Tremblay, A. (2017). Processing of word-level stress by Mandarin-speaking second language learners of English. *Applied Psycholinguistics*, 38(3), 541–570. <http://doi.org/10.1017/S0142716416000321>
- [1] **Qin Z.**, & Jongman, A. (2016). Does second language experience modulate perception of tones in a third language? *Language and Speech*, 59(3), 318–338. <http://doi.org/10.1177/0023830915590191>

## 2. Refereed Chapters and Working Papers

- [3] **Qin, Z.** (2021). How Does Mandarin Learning Experience Modulate Second-Language Learners' Phonological Knowledge of Tone 3 Sandhi in Word Production? In C. Yang (Ed.), *The Acquisition of Chinese as a Second Language Pronunciation: Segments and Prosody* (pp. 195–210). Springer Singapore. [https://doi.org/10.1007/978-981-15-3809-4\\_9](https://doi.org/10.1007/978-981-15-3809-4_9)
- [2] **Qin, Z.** (2015). Wh-questions in Ibibio. In Duncan, P. (Ed.), *Studies in Ibibio Grammar. Field Methods in Linguistic Description, Vol. 2*. Lawrence, KS: University of Kansas.
- [1] **Qin Z.**, & Mok, P. (2014) Discrimination of Cantonese tones by speakers of tone and non-tone languages. *Kansas working papers in Linguistics*, 34, 1–25. <https://doi.org/10.17161/KWPL.1808.12864>

### 3. Refereed Proceedings

- [11] \*Chui, Y., & Qin, Z. (2026). The role of L1 tonal experience in cross-situational learning of non-native tone contrasts. In *Proceedings of the 13<sup>rd</sup> International Conference on Speech Prosody (Speech Prosody 2026)*. Philadelphia, United States.
- [10] \*Chui, Y., & Qin, Z. (2023). Distributional learning and overnight consolidation of a difficult non-native tone contrast. In *Proceedings of the 20<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2023)*, 2557–2561. Prague, Czech.
- [9] Qin, Z., Jin, R., & Wu, R. (2023). The role of prior knowledge in second-language learners' overnight consolidation of Cantonese tones. In *Proceedings of the 20<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2023)*, 1881–1885. Prague, Czech.
- [8] Qin, Z., & Zhang, C. (2020). How sleep-mediated memory consolidation modulates the generalization across talkers: evidence from tone identification. In *Proceedings of the 10<sup>th</sup> International Conference on Speech Prosody (Speech Prosody 2020)*, 459–463. Tokyo, Japan.
- [7] Qin, Z., Tremblay, A., & Zhang, J. (2019). Influence of within-category tonal information in the recognition of Chinese-Mandarin words by native and non-native listeners: An eye-tracking study. In *Proceedings of the 19<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2019)*, 245–259. Melbourne, Australia.
- [6] Qin, Z., & Jongman, A. (2015). L2 experience modulates learner' use of cues in the perception of L3 tones. In *Proceedings of the 18<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2015)*. Glasgow, UK.
- [5] Qin, Z., & Tremblay, A. (2014). Effects of native dialect on Mandarin listeners' use of prosodic cues to English stress. In *Proceedings of the 7<sup>th</sup> International Conference on Speech Prosody (Speech Prosody 2014)*, 187–191. Dublin, Ireland.
- [4] Qin, Z., & Mok, P. (2012). The perception of speech and non-speech tones by tone and non-tone language listeners. In *Proceedings of the 6<sup>th</sup> International Conference on Speech Prosody (Speech Prosody 2012)*, 366–369. Shanghai, China.
- [3] Qin, Z., & Mok, P. (2011). Perception of Cantonese tones by Mandarin, English and French speakers. In *Proceedings of the 17<sup>th</sup> International Congress of Phonetic Sciences (ICPhS 2011)*, 1654–1657. Hong Kong.
- [2] Qin, Z., & Mok, P. (2011). Discrimination of Cantonese tones by Mandarin, English and French speakers. In *Proceedings of the Psycholinguistic Representation of Tone Conference (PLRT)*, 50–53. Hong Kong.
- [1] Qin Z. (2010) The Production and Perception of French initial stops by Wu and Mandarin Speakers. In *Proceedings of the 9<sup>th</sup> Phonetics Conference of China (PCC2010)*. Tianjin, China.

## PRESENTATIONS

### 1. Invited Talks and Colloquia

- Qin, Z. (2025). “What strategies reinforce memory consolidation of older Chinese adults?”, Webinar Series, Institute for Emerging Market Studies, HKUST, Hong Kong, March.
- Qin, Z. (2024). “The effect of aging on the cognitive abilities in language performance: case studies on Cantonese-speaking older adults”, Research Back to Back Seminar Series, Center for Aging Sciences, HKUST, Hong Kong, November.
- Qin, Z. (2024). “Age effect on language learning and consolidation in Cantonese-speaking older adults”, an invited poster demo in the *9th Golden Age Expo & Summit*, Hong Kong, August.
- Qin, Z. (2023). “The use of coarticulatory tonal information in Cantonese spoken word recognition”, an

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invited talk for the sixth *Forum on Cantonese Linguistics* (FoCaL-6 @ HKUST), Hong Kong, June.

- Qin, Z.** (2022). "How does training variability influence learning and consolidation of lexical tones?", *Virtual Psycholinguistics Forum*, virtual, October.
- Qin, Z.** (2022). "Sleep to learn a (second) language", the *Better Sleep, Smarter Brain* Workshop, Faculty of Arts, The Hong Kong Baptist University, Hong Kong, August.
- Qin, Z.** (2020). "The effect of overnight consolidation on the perceptual learning of Cantonese level tones", Department of Linguistics and Modern Languages, The Chinese University of Hong Kong, Hong Kong, November.
- Qin, Z.** (2020). "Processing of lexical tones in the recognition of Mandarin-Chinese words by native Chinese listeners and second-language learners of Chinese", Division of Humanities, The Hong Kong University of Science and Technology, Hong Kong, March.
- Qin, Z.** (2019). "How native Chinese listeners and second-language Chinese learners process tones in word recognition: an eye-tracking study" Linguistics Seminar, Department of Linguistics and Modern Language Studies, The Education University of Hong Kong, Hong Kong, October.
- Qin, Z.** (2019). "Influence of within-category tonal information in the recognition of Mandarin-Chinese words by native and non-native listeners: an eye-tracking study" Linguistics Seminar, Department of Chinese Language and Literature, University of Macau, Macau, March.
- Qin, Z.** (2018). "Does second language experience modulate perception of tones in a third language?" Young Scholar Seminar on Chinese Phonetics and Phonology, Department of Chinese Languages and Literature, Fudan University, Shanghai, May.
- Qin, Z.** (2018). "How second language experience modulates listeners' perception of Cantonese tones?" Linguistics Seminar, International Chinese Education Center, Shanghai Jiao Tong University, Shanghai, April.
- Qin, Z.** (2017). "Does second language experience modulate learners' perception of Cantonese tones?" Experimental Phonetics Workshop, Shanghai International Studies University, Shanghai, November.
- Qin, Z.** (2017). "How native Chinese listeners and English-speaking second-language learners of Chinese use fine-grained tonal information in recognition of spoken words: an eye-tracking study". Linguistics Colloquy, University of Kansas, Lawrence, KS, March.
- Qin, Z.** (2017). "How native listeners and adult second-language learners of Chinese process tones in recognition of Chinese spoken words: an eye-tracking study". Child Language Proseminar, University of Kansas, Lawrence, KS, March.
- Qin, Z.** (2016). "How native Chinese listeners process tonal information in recognition of Chinese words: an eye-tracking study". Lab Seminar at the Center for Brain and Cognitive Science, Peking University, Beijing, June.
- Qin, Z.** (2015). "Second language processing of English stress by Mandarin-speaking learners." Linguistics Colloquy, University of Kansas, Lawrence, KS, February.

## 2. Conference Oral Presentations

- Wang, Y., Liang, J., & **Qin, Z.** (2025). The role of bilingual experiences on attentional control in the dichotic listening: Evidence from younger and older Cantonese-English bilinguals. *The 15<sup>th</sup> International Symposium on Bilingualism (ISB15)*, Donostia-San Sebastián, Spain.
- Qin, Z.**, Jin, R., & Wu, R. (2025). Second-language learners' memory consolidation of Cantonese tones: The role of prior knowledge. *Pacific Second Language Research Forum 2025*, Shanghai, China.
- Wang, Y., & **Qin, Z.** (2024). The attention control of younger and older adults in Hong Kong: Cantonese tone processing in the forced attention dichotic listening task. *Architectures and Mechanisms for*

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*Language Processing Asia (AMLaP Asia 2024)*, Singapore.

- Wang, Y., & **Qin, Z.** (2024). L2 proficiency and tone type are related to attentional control: Cantonese-English bilinguals' processing of Cantonese tones. *The International Symposium on Language Science (ISLS)*, Hong Kong.
- Chen, X., Lu, J., **Qin, Z.**, Hu, X., & Zhang, C. (2023). Benefits of targeted memory reactivation in perceptual learning of non-native tones are associated with slow-oscillation phase and delta-theta power. *The Second International Conference on Tone and Intonation (TAI 2023)*, Singapore.
- Wang, Y., & **Qin, Z.** (2023). Does bilingualism influence attentional control in the Cantonese tone dichotic listening? *The Second International Conference on Tone and Intonation (TAI 2023)*, Singapore.
- Wu, R., **Qin, Z.**, & Zhang, C. (2023). Daytime naps consolidate Cantonese tone learning through talker generalization. *The Second International Conference on Tone and Intonation (TAI 2023)*, Singapore.
- Wang, Y., & **Qin, Z.** (2023). The effect of bilingualism on inhibitory control in the forced-attention dichotic listening task of Cantonese tones. *The 6<sup>th</sup> Forum on Cantonese Linguistics (FoCaL-6 @ HKUST)*, Hong Kong.
- Chui, Y., & **Qin, Z.** (2022). Do Cantonese speakers exhibit distributional learning effects on the acquisition and consolidation of Mandarin tones? *The 5<sup>th</sup> Buckeye East Asian Linguistics Forum*, virtual conference, the Ohio State University, Columbus, Ohio.
- Qin, Z.** (2022). Do second-language learners' productivity of Mandarin tone sandhi change with increasing proficiency? *The 28<sup>th</sup> Annual Conference of the International Association of Chinese Linguistics (IACL-28)*, virtual conference.
- Qin, Z.**, & Zhang, C. (2019). How the overnight consolidation process modulates the perceptual learning of novel tonal contrasts. *The Seoul International Conference on Speech Sciences 2019*, Seoul, South Korea.
- Qin, Z.**, & Lee-Kim, S-I. (2019). The effect of linguistic experience on the perception of non-native lexical tones. *The Seoul International Conference on Speech Sciences 2019*, Seoul, South Korea.
- Qin, Z.**, & Zhang, C. (2019). The effect of overnight consolidation in the perceptual learning of non-native tonal contrasts. *The 19<sup>th</sup> Workshop on Cantonese (WOC-19) Cantonese Study: An Empirical Approach*, Hong Kong.
- Qin Z.**, Tremblay, A., & Zhang, J. (2018). Influence of fine-grained tonal variability on native Chinese listeners and second-language Chinese learners' word recognition: An eye-tracking study. *The Hanyang International Symposium on Phonetics and Cognitive Sciences of Language 2018 (HISPhonCog 2018)*, Seoul, South Korea.
- Qin Z.**, Tremblay, A., & Zhang, J. (2017). How fine-grained variability of lexical tones influences native and non-native Chinese listeners' word recognition: An eye-tracking study. Paper *The 2017 Annual Research Forum of Linguistics Society of Hong Kong*, Hong Kong.
- Connell K., Hüls S., Martínez-García, M.-T., **Qin Z.**, Shin S., Yan H., & Tremblay, A. (2016). Time Course of Chinese and Korean Listeners' Use of Stress in English Word Recognition. *The 8<sup>th</sup> International Symposium on the Acquisition of Second Language Speech (New Sounds)*, Denmark.
- Qin, Z.**, & Jongman, A. (2015). Does second language experience with Mandarin Chinese modulate English-speaking L2 learner' perception of tones in a third language? *The 27<sup>th</sup> North American Conference on Chinese Linguistics (NACCL-27)*. Los Angeles, CA.
- Qin, Z.** (2013). Processing of English stress by Mandarin-speaking learners. *The 7<sup>th</sup> International Symposium on the Acquisition of Second Language Speech (New Sounds)*. Montreal, Canada.
- Briz Hernandez, I., **Qin, Z.**, & Mok, P. (2012). L3 acquisition of the voicing contrast in Spanish by Cantonese learners. *The International Conference on Bilingualism and Comparative Linguistics*.

### 3. Conference Poster Presentations

- Liu, K., Feng, Y., & **Qin, Z.** (2025). Tone learning in aging: an encoding-enhanced training paradigm to promote overnight consolidation. *The 6<sup>th</sup> joint meeting of the Acoustical Society of America and Acoustical Society of Japan*, Honolulu, HI.
- Tremblay, A., Broersma, M., Cho, T., Kim, H., **Qin, Z.**, Liang, J., Nuñez, A., & Terrazas, F. (2025). Cross-linguistic transfer in lexical stress perception: A cue-weighting typology. *The 6<sup>th</sup> joint meeting of the Acoustical Society of America and Acoustical Society of Japan*, Honolulu, HI.
- Wang, Y., Yang, X., & **Qin, Z.** (2025). How does attentional control modulate the younger and older adults' dichotic listening of Cantonese tones? *The 6<sup>th</sup> joint meeting of the Acoustical Society of America and Acoustical Society of Japan*, Honolulu, HI.
- Liu, K., Feng, Y., & **Qin, Z.** (2024). Does prior knowledge benefit Mandarin-speaking older adults' memory consolidation in Cantonese tone learning? *Architectures and Mechanisms for Language Processing Asia (AMLaP Asia 2024)*, Singapore.
- Chui, Y., Lai, S., & **Qin, Z.** (2024). Pitch memory, but not pitch aptitude, predicts implicit statistical learning of non-native tone contrasts by older adults. *Society for the Neurobiology of Language 16<sup>th</sup> Annual Meeting (SNL 2024)*, Brisbane, Australia.
- Qin, Z.**, Wu, R., & Zhang, C. (2024). Prior knowledge benefits nap-mediated consolidation of Cantonese tones through talker generalization. *Society for the Neurobiology of Language 16<sup>th</sup> Annual Meeting (SNL 2024)*, Brisbane, Australia.
- Chui, Y., Lai, S., & **Qin, Z.** (2024). Distributional learning of non-native tone contrasts by older adults after training and overnight consolidation. *The 186<sup>th</sup> meeting of the Acoustical Society of America*, Ottawa, Canada.
- Liu, K., Feng, Y., & **Qin, Z.** (2024). Prior knowledge benefits older adults' tonal consolidation through talker generalization. *The 186<sup>th</sup> meeting of the Acoustical Society of America*, Ottawa, Canada.
- Chui, Y., & **Qin, Z.** (2023). Individual differences in the distributional learning and overnight consolidation of lexical tones. *Architectures and Mechanisms for Language Processing Asia (AMLaP Asia 2023)*, Hong Kong.
- Wang, Y., & **Qin, Z.** (2023). Does multilingualism influence attentional control in the forced-attention dichotic listening task of Cantonese tone? *Architectures and Mechanisms for Language Processing Asia (AMLaP Asia 2023)*, Hong Kong.
- Qin, Z.**, & Lee-Kim, S-I. (2023). The effect of second-language learning experience on Korean listeners' use of pitch cues in the perception of Cantonese tones. *Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2023)*, Seoul, South Korea.
- Qin, Z.**, Jin, R., & Zhang, C. (2022). The effects of training variability and pitch aptitude on overnight changes of tone learning. *The 18<sup>th</sup> Conference on Laboratory Phonology (LabPhon18)*, virtual conference.
- Qin Z.** (2018). Effect of native Korean dialects on Chinese learners' perception of lexical tones. *The 176<sup>th</sup> meeting of the Acoustical Society of America*, Victoria, Canada.
- Qin Z.**, Zhang, J., & Tremblay, A. (2017). How within-category gradience in lexical tones influences native Chinese listeners and second-language Chinese learners recognize words: An eye-tracking study. *The 173<sup>rd</sup> meeting of the Acoustical Society of America*, Boston, MA.
- Jongman, A., **Qin Z.**, Sereno, J., & Zhang, J. (2016). JNDs for pitch height and pitch contour for Chinese and American listeners. *The 5<sup>th</sup> joint meeting of the Acoustical Society of America and Acoustical*

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*Society of Japan*, Honolulu, HI.

Connell K., Hüls S., Martínez-García, M.-T., **Qin Z.**, Shin S., Yan H., & Tremblay, A. (2016). Effects of native language on the use of segmental and suprasegmental cues to stress in English word recognition: An eye-tracking study. *The 5<sup>th</sup> joint meeting of the Acoustical Society of America and Acoustical Society of Japan*, Honolulu, HI.

**Qin, Z.**, & Jongman, A. (2014). Does second language experience modulate perception of tones in a third language? *The 168<sup>th</sup> meeting of the Acoustical Society of America*. Indianapolis, IN.

**Qin, Z.**, & Tremblay, A. (2013). Effect of native Mandarin dialects on English learners' use of prosodic cues to stress. *The 166<sup>th</sup> meeting of the Acoustical Society of America*. San Francisco, CA.

## TEACHING

### 1. Hong Kong University of Science and Technology

#### As Lecturer:

2023-present	HUMA 2400 Approaches to Humanities in China Studies
2022-present	HUMA 3050 Psychology of Language
2021-present	HUMA 1010 Introduction to Language
2021-present	HUMA 5060 Chinese Phonetics and Phonology
2020 Fall	MILE 5303 Phonetics and Phonology of the Chinese Language

### 2. Hong Kong Polytechnic University

#### As Guest Lecturer:

2019 Summer	Advanced Topics in Research Methodology for Language Sciences (Eye-tracker section)
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#### As Teaching Assistant:

2019 Summer	Advanced Topics in Psycholinguistics and Neurolinguistics
2019 Summer	Advanced Topics in Research Methodology for Language Sciences (EEG, fMRI, Eye-tracker, and tDCS)

### 3. University of Kansas

#### As Guest Lecturer:

2015 Fall	Second Language Acquisition
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#### As Teaching Assistant:

2017 Spring	Psycholinguistics
2013-2014	Intermediate Chinese
2012-2013	Introductory Linguistics

### 4. Chinese University of Hong Kong

#### As Teaching Assistant:

2012 Summer	Chinese Language Testing
2011-2012	Psycholinguistics; Computer-assisted Language Learning
2010-2011	Phonetics I; Linguistics Research Methods
2009-2010	Phonetics I; Psycholinguistics

## SUPERVISION

### Thesis Supervisor

Kangdi LIU	Ph.D. in Humanities-Linguistics (in progress), <a href="#">HKPFS</a> awardee
Yuqi WANG	Ph.D. in Humanities-Linguistics (in progress), HKPFS awardee

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Yin To CHUI	Ph.D. in Humanities-Linguistics (in progress), HKPFS awardee
Kangdi LIU	MPhil in Humanities-Linguistics (2025), “Mandarin-speaking older adults’ memory consolidation of non-native tonal contrasts: the role of encoding strength.”, <a href="#">LSHK Outstanding Thesis</a> awardee.
Yuqi WANG	MPhil in Humanities-Linguistics (2024), “Cantonese tone processing in the forced-attention dichotic listening task by Cantonese-dominant bilingual speakers.”
Yin To CHUI	MPhil in Humanities-Linguistics (2023), “Distributional learning and overnight consolidation of non-native tone contrasts by tonal speakers: the effect and the role of individual differences.”

### **Thesis Committee Chair**

Ge LI	Ph.D. in Humanities-Linguistics (in progress)
Sunhao YU	MPhil in Humanities-Linguistics (2025), “The interaction between quantification and VO/OV word order in Shanghainese.”
Ge LI	MPhil in Humanities-Linguistics (2024), “Investment in Chinese language learning for secondary students of South Asian backgrounds in Hong Kong.”
Yiran LI	MPhil in Humanities-Linguistics (2024), “Digital communication practices and translocal belonging among Hong Kong-based Mainland female vloggers.”

### **Research Assistants and Helpers**

Jiayu LIANG	(RA and lab manager), 2024-present
Susu LAI	(RA), 2023-2025
Ruofan WU	(RA, a current Ph.D. student at HK PolyU), 2022-2023
Cindy, Rui JIN	(RA, a current Ph.D. student at the University of Florida), 2021-2022
Minzhi GONG	(RA), 2020-2021
Weijie TAN	(RA), 2019-2020
Tong Chen	(MGCS REP scheme), 2022-2023
Tongyin YAN	(MGCS REP scheme), 2022-2023
Yuxin ZHU	(MGCS REP scheme), 2021-2022
Martin, Yu Ting LEE	(HUMA Summer RA), 2021
Hoi Ki CHEUNG	(Student helper), 2025-2026
Lydia, Lai Ting LAM	(Student helper), 2025-2026

## **ACADEMIC SERVICES**

### **1. Editorship**

Review Editor, “Language Sciences” section, *Frontiers in Psychology* and *Frontiers in Communication*.

### **2. Ad hoc Reviewer-Journal Articles**

*Applied Cognitive Psychology*

*Applied Psycholinguistics* (x 3)

*Attention, Perception, & Psychophysics*

*Bilingualism: Language and Cognition* (x 8)

*Brain and Language* (x 3)

*Cognition*

*Frontier in Communication*

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*Frontier in Psychology* (x 2)

*International Journal of Applied Linguistics*

*JASA Express Letters* (x 4)

*Journal of Experimental Psychology: Learning, Memory, and Cognition* (x 2)

*Journal of Phonetics* (x 9)

*Journal of Psycholinguistic Research* (x 2)

*Journal of Speech, Language, and Hearing Research* (x 2)

*Journal of the Acoustical Society of America* (x 6)

*Laboratory Phonology*

*Language and Cognition*

*Language and Speech* (x 2)

*Language Learning* (x 2)

*Language, Cognition and Neuroscience* (x 4)

*Linguistics Vanguard* (x 2)

*Memory & Cognition* (x 3)

*Phonetica* (x 7)

*PLOS ONE*

*Second Language Research* (x 5)

*Studies in Second Language Acquisition* (x 5)

### **3. Ad hoc Reviewer-Grant Proposals**

Israel Science Foundation, Israel

### **4. Ad hoc Reviewer-Book Chapters**

*The Acquisition of Chinese as a Second Language Pronunciation: Segments and Prosody* (Eds. C. Yang).

### **5. Ad hoc Reviewer-Conference Abstracts/Papers**

International Symposium on Bilingualism 2025 (ISB15)

Speech Prosody (SP2024, SP2026)

Architectures and Mechanisms for Language Processing - Asia (AMLaP Asia 2023)

Annual Conference of the International Association of Chinese Linguistics (IACL 2022)

Annual Meeting of the Acoustical Society of America (award judge)

Generative Linguistics in the Old World in Asia (GLOW in Asia)

International Congress of Phonetics Sciences (ICPhS 2019, ICPhS 2023)

International Symposium on the Acquisition of Second Language Speech

Pacific Asia Conference on Language, Information and Computation

Workshop on Cognitive Modeling and Computational Linguistics

### **6. Conference and Forum Organization**

2023 The Sixth Forum on Cantonese Linguistics, FoCaL-6 @ HKUST (Faculty Sponsor)

2023 RPG Linguistics Forum, HKUST (Organizer)

2019 The first PolyU Summer School in Language, Cognition, and Neuroscience (Organizing Committee)

2014 The 45<sup>th</sup> Annual Conference on African Linguistics, KU (Student Helper)

2012 The International Conference on Bilingualism and Comparative Linguistics, CUHK (Student Helper)

2011 The Psycholinguistic Representation of Tone Conference, CUHK (Student Helper)

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## **7. Departmental and University Services**

2025	Seminar Coordinator, Division of Humanities
2025	Junior Faculty Representative, Division of Humanities
2025	Co-Moderator for the HUMA-RPG Workshop, Division of Humanities
2023-present	Postgraduate (PG) Committee Member, Division of Humanities
2023	Selection Panel Member for Student Counselors, Counseling and Wellness Center
2022	Judge Panel Member, the 2022 HKUST Three-Minute Thesis Competition
2021-present	Associate Director, Center for Chinese Linguistics
2014-2015	KU Linguistics Colloquy Organizing Committee
2013-2014	KU Linguistics Graduate Student Representative
2012-2013	Co-editor, Kansas Working Papers in Linguistics

## **MEMBERSHIPS**

### **1. Academic Associations**

2024-present	Society for the Neurobiology of Language
2022-present	Association for Laboratory Phonology
2021-present	International Association of Chinese Linguistics
2017-present	Linguistics Society of Hong Kong (Lifetime membership)
2012-present	Acoustical Society of America (Full membership)
2011-present	International Phonetics Association
2021-2022	Chinese Language Teacher Association
2019-2020	Cognitive Neuroscience Society

### **2. Affiliated Labs/Centers**

2024-present	Speech, Learning, and the Brain (SLaB) Lab, HKUST
2023-present	SHSS Eye-tracking Laboratory, HKUST
2022-present	Institute for Emerging Market Studies, HKUST
2021-present	Center for Aging Science, HKUST
2020-present	Center for Chinese Linguistics, HKUST
2019-2020	Laboratory for Ambient Intelligence and Multimodal Systems, SIAT-Shenzhen
2018-2020	Research Centre for Language, Cognition and Neuroscience, HK PolyU
2012-2017	Second Language Processing & Eye-tracking Lab, University of Kansas
2012-2017	KU Phonetics and Psycholinguistics Lab, University of Kansas

### **3. Visiting Experiences**

01-08, 2016	Visiting Researcher, Center for Brain and Cognitive Science, Peking University, China
09-12, 2006	Exchange Student, Rovaniemi Polytechnic, Finland

### **4. Non-academic Associations**

2017-2018	Shanghai Xujiahui Toastmasters Club
2016-2017	KU Men's Volleyball Club
2009-2012	CUHK Three-heart Volunteer Club

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## **MEDIA & OUTREACH**

- 2025 A Thought Leadership Brief based on our aging and memory consolidation project was published by HKUST *Institute for Emerging Market Studies*; a [link](#) to the PDF version
- 2025 A video of our nap pods project was featured on the website of HKUST *Sustainable Smart Campus as a Living Lab*: <https://youtu.be/4SkwHmBTnSM>
- 2024 My sleep and language learning research was featured in an interview by Hong Kong *Wen Wei Po*: <https://dw-media.tkww.hk/epaper/www/20240319/a07-0319.pdf>; a [link](#) to video
- 2022 My public talk “Sleep to learn a (second) language” was featured in the *Better Sleep, Smarter Brain Workshop*: <https://www.youtube.com/watch?v=9TTqab5WpmY>

## **TECHNICAL SKILLS**

### **1. Certificates**

- 2019 Online University Teacher Training, EDC, HK PolyU
- 2017 Second Language Studies Certificate, University of Kansas
- 2016 Research in Language and Cognitive Sciences Certificate, Chinese Psychology Society
- 2015 University Orientation Volunteer Certificate, KU
- 2011 Three-heart Club Volunteer Certificate, CUHK

### **2. Languages**

Mandarin Chinese (native); English (advanced); Cantonese (intermediate); French (intermediate).

### **3. Softwares**

- |                       |   |
|-----------------------|---|
| Acoustic analysis:    | MBROLA, Multi-Speech, Praat   |
| Stimuli presentation: | STIM2 (Neuroscan), MATLAB, E-Prime, Experiment Builder (SR research),<br>Paradigm, PyschoPy |
| Statistics:           | R, SPSS, MATLAB   |