

DR. RAN LI
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Academy of Language and Culture
Hong Kong Baptist University
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Areas: aphasia, language treatment, bilingualism, neuroimaging

I. WORK AND EDUCATION BACKGROUND

Hong Kong Baptist University
Assistant Professor
Academy of Language and Culture

Hong Kong
Feb 2024 – Present

The University of Hong Kong
Postdoctoral Fellow
The Speech, Language, and Reading Lab

Hong Kong
Oct 2022 – Feb 2024

Boston University
Ph.D., Speech, Language & Hearing Sciences
Dissertation: Investigation of language impairment and treatment-induced recovery patterns between verbs and nouns in Mandarin-English bilinguals with aphasia

Boston, USA
Aug 2022

University of Maryland
M.A., Speech-Language Pathology
Thesis: A comparison of verb and noun retrieval in Mandarin-English bilinguals with English-speaking monolinguals

College Park, USA
May 2017

University of Maryland
B.A., Dual Major: Linguistics, Hearing & Speech Sciences

College Park, USA
May 2015

II. CLINICAL EXPERIENCE

Fairland Elementary School
Speech Therapist

Silver Spring, USA
Jan – May 2017

Adventist HealthCare (acute care)
Speech Therapist

Shady Grove, USA
Sep – Dec 2016

University of Maryland Speech and Hearing Clinic
Speech Therapist

College Park, USA
Jan 2015 – Aug 2016

III. GRANTS

Internal grants

Special Round of Start-up Grant (HK\$75,000)

Apr 2024 – Oct 2026

Hong Kong Baptist University

Start-up Grant (HK\$200,000)
Hong Kong Baptist University

Apr 2024 – Oct 2026

43rd Round Faculty Research Fund (HK\$35,781), PI
The University of Hong Kong
(transferred to another PI due to job change)

Jan 2024 – Aug 2025

Neuroplasticity Across the Bilingual Lifespan: Morphology Intervention in Hong Kong Mandarin-English Bilingual Children and Adults with and without Dyslexia

42nd Round Faculty Research Fund (HK\$59,062), PI
The University of Hong Kong
(transferred to another PI due to job change)

Dec 2022 – Aug 2024

Effect of semantic and prosodic intervention in Chinese-English bilingual children with dyslexia

Sargent Student Research Grant (US\$5000), PI
Boston University

2021 – 2022

Investigation of language impairment and treatment-induced recovery patterns between verbs and nouns in Mandarin-English bilinguals with aphasia

IV. SCHOLARLY/PROFESSIONAL WORK

Published Journal Articles

1. **Li, R.**, Gilmore, N., O'Connell, M., & Kiran, S. (accepted). Evolution of word production errors after typicality-based semantic naming treatment in individuals with aphasia. *Aphasiology*.
2. Sung, J.E., Scimeca, M., **Li, R.**, & Kiran, S. (accepted). Cross-linguistic and multicultural considerations in evaluating bilingual adults with aphasia. *American Journal of Speech-Language Pathology*.
3. **Li, R.**, & Kiran, S. (2023). Noun and verb impairment in single-word naming and discourse production in Mandarin-English bilingual adults with aphasia. *Aphasiology*, 38(2), 337-365. <https://doi.org/10.1080/02687038.2023.2189994>
4. **Li, R.**, & Kiran, S. (2023). Treatment-induced recovery patterns between nouns and verbs in Mandarin-English bilingual adults with aphasia. *American Journal of Speech-Language Pathology*, 32(5), 2128-2145. https://doi.org/10.1044/2023_AJSLP-22-00236
5. **Li, R.**, Perrachione, T. K., Tourville, J. A., & Kiran, S. (2021). Representation of semantic typicality in brain activation in healthy adults and individuals with aphasia: a multi-voxel pattern analysis. *Neuropsychologia*, 107893. <https://doi.org/10.1016/j.neuropsychologia.2021.107893>

6. Farooqi-Shah, Y., Kavas, Y., & **Li, R.** (2021). Lexical category differences in bilingual picture naming: implications for models of lexical representation. *Bilingualism: Language and Cognition*, 24(5), 849-863. <https://doi.org/10.1017/S1366728921000213>
7. **Li, R.**, Li, W., & Kiran, S. (2020). Effect of Mandarin Verb Network Strengthening Treatment (VNeST) in Mandarin-English bilinguals with aphasia: A single-case experimental design. *Neuropsychological Rehabilitation*, 31(8), 1224-1253. <https://doi.org/10.1080/09602011.2020.1773278>
8. **Li, R.**, Farooqi-Shah, Y., & Wang, M. (2019). A comparison of verb and noun retrieval in Mandarin-English bilinguals with English-speaking monolinguals. *Bilingualism: Language and Cognition*, 22(5), 1005-1028. <https://doi.org/10.1017/S1366728918000913>

Published Book Chapters

9. **Li, R.**, Mukadam, N., & Kiran, S. (2022). Functional MRI evidence for reorganization of language networks after stroke. In *Handbook of Clinical Neurology* (Vol. 185, pp. 131-150). Elsevier.

Working Papers

1. **Li, R.**, Chen, SM., & Kiran, S. (Under revision). The active ingredients of semantic-based intervention for nouns and verbs in Mandarin-English bilinguals with aphasia. *Journal of Speech, Language, and Hearing Research*.
2. **Li, R.**, Cain, K., & Tong, XL. (Under revision). The dimensionality of morphological awareness in Cantonese-English bilingual children. *Bilingualism: Language and Cognition*.
3. **Li, R.**, Cain, K., & Tong, XL. (Under review). Pathways of morphological awareness to L1 Chinese and L2 English reading comprehension among Hong Kong Chinese-English bilingual children. *Scientific Studies of Reading*.
4. **Li, R.***, Grasemann, U.*, Peñaloza, C., Miikkulainen, R., & Kiran, S. Simulating and predicting language impairment and treatment-induced recovery outcomes in Mandarin-English bilingual adults with aphasia. *In manuscript (target journal: Nature Human Behavior)*
5. **Li, R.**, Peñaloza, C., Scimeca, M., & Kiran, S. The influence of bilingual language history on bilingual lexical access: A comparison between Spanish-English and Mandarin-English healthy bilinguals and bilinguals with aphasia. *In manuscript*.
6. **Li, R.** A Viewpoint on Linguistic Distance in Bilingual Aphasia Treatment: Insight from Chinese and English. *In manuscript*.

V. CONFERENCE PRESENTATIONS

Note: presenter

Symposium Talks

1. Sung, J.E., Scimeca, M., **Li, R.**, & Kiran, S. (Jun 2024). *Cross-linguistic and multicultural effects on animal fluency performance in persons with aphasia*. 53rd Clinical Aphasiology Conference, Hawaii, USA.
2. Sung, J.E., Scimeca, M., **Li, R.**, & Kiran, S. (Nov 2023). *Crosslinguistic and multicultural considerations in evaluating bilingual adults with aphasia*. The 2023 annual convention of the American Speech-Language-Hearing Association, Boston, USA.
3. **Li, R.**, Cain, K., & Tong, X.L. (Accepted). *What's the dimensionality of morphological awareness across languages? Evidence from Hong Kong Cantonese-English bilingual children*. Society for the Scientific Study of Reading 30th Annual Meeting.
4. **Li, R.**, & Kiran, S. (Dec 2022). *Does semantic-based naming treatment show similar treatment effects in nouns and verbs? Evidence from Mandarin-English bilinguals with aphasia*. 12th World Congress for Neurorehabilitation.
5. **Li, R.**, Chen, S.M., & Kiran, S. (May 2022). *The active ingredients of semantic-based intervention in Mandarin-English bilinguals with aphasia*. 51st Clinical Aphasiology Conference, Wrightsville Beach, North Carolina, USA.
6. **Li, R.**, Li, W., & Kiran, S. (May 2019). *Effect of Chinese Verb Network Strengthening Treatment in Mandarin-English bilinguals with aphasia*. NIH/NIDCD platform presentation at the 2019 Clinical Aphasiology Conference, Whitefish, Montana, USA.

Posters

7. **Li, R.** (accepted). *Human judgments of AI images generated using patient-specific text prompts*. 62nd Annual Meeting of the Academy of Aphasia.
8. Shin, J., Sung, J., Scimeca, M., **Li, R.**, & Kiran, S. (accepted). *Differential clustering strategies in a verbal fluency task between English- and Korean-speaking individuals with aphasia*. 62nd Annual Meeting of the Academy of Aphasia.
9. **Li, R.**, Gilmore, N., O'Connell M., & Kiran, S. (June 2022). *What can errors that evolve during rehabilitation tell us about the CATE hypothesis*. 2022 International Aphasia Rehabilitation Conference.
10. **Li, R.**, Perrachione, T. K., Tourville, J. A., & Kiran, S. (Oct 2020). *Predicting typicality effect from brain activation patterns in healthy adults and individuals with aphasia: a multi-voxel pattern analysis*. 58th Annual Meeting of the Academy of Aphasia, Online.

11. **Li, R.**, Perrachione, T. K., Tourville, J. A., & Kiran, S. (May 2020). *Predicting typicality effect from brain activation patterns in healthy adults and individuals with aphasia: a multi-voxel pattern analysis*. 2020 Cognitive Neuroscience Society Virtual Meeting.
12. **Li, R.**, Li, W., & Kiran, S. (Oct 2019). *Effect of Chinese Verb Network Strengthening Treatment in Mandarin-English bilinguals with aphasia*. 57th Annual Meeting of the Academy of Aphasia, Macau SAR.
13. **Farooqi-Shah, Y.**, Milman, L., **Li, R.** (Oct 2019). *Comparing language performance in bilinguals and monolinguals: some measures are more equal than others*. 57th Annual Meeting of the Academy of Aphasia, Macau SAR.
14. **Li, R.**, Farooqi-Shah, Y., & Wang, M. (Oct 2017). *Investigation of bilingual disadvantage in verb and noun retrieval in Mandarin-English bilinguals*. 55th Annual Meeting of the Academy of Aphasia, Baltimore, USA.
15. **Farooqi-Shah, Y.**, **Li, R.**, Milman, L., Pranger, M., & Evans, T. M. (Nov 2016). *Language performance in bilinguals: some measures are more equal than others*. American Speech-Language Hearing Association Annual Convention, Philadelphia, USA.

VI. TEACHING & SUPERVISING

Teaching

Co-lecturer, Hong Kong Baptist University ENGL1005: English, Creativity, and Cultures 3 credits, major required	2023 – 2024 S2
Guest Lecturer, Hong Kong Baptist University Exploring Bilingualism and Bilingual Education	Feb 2024
Guest Lecturer, Hong Kong Baptist University Exploring Bilingualism and Bilingual Education	Mar 2023
Guest Lecturer, Ewha Womans University Special Topic: Noun and verb treatment in bilingual aphasia	Nov 2022
Guest Lecturer, Boston University Research in the Professions & Evidence-Based Practice SH 531 Introduction to Speech, Language, and Hearing Sciences	Dec 2021
Guest Lecture, Boston University Special Topic: Bilingual Aphasia SH 548 Introduction to Language Disorders Across the Lifespan	Oct 2021
Teaching Assistant, University of Maryland HESP 120 Introduction to Linguistics	Jan – May 2014

Supervising

Undergraduate Research Opportunities Program Boston University ShiMin Chen Project: Investigating the direct responses to semantic-based treatment in Mandarin-English bilinguals with aphasia	Fall 2021
Research in Science & Engineering Internship Program Boston University Rebecca Golovanov, now an undergraduate student at University of Chicago	Summer 2019
Aphasia Research Laboratory Boston University Supervisor of > 10 undergraduate and graduate RAs	2017 – 2022

VII. AWARDS AND FELLOWSHIPS

NIH/NIDCD Academy of Aphasia Young Investigator Fellowship for the 57th AoA Annual Meeting (US\$1200)	Oct 2019
NIH/NIDCD RSCA Student Fellowship for the Annual Clinical Aphasiology Conference (US\$1600)	May 2019
University of Maryland MCM Fund for Student Research Excellence (US\$450)	2016 – 2017

VIII. SERVICE

Journal Reviewer

Journal of the International Neuropsychological Society	2022
Journal of Experimental and Theoretical Artificial Intelligence	2022
Glossa: A Journal of General Linguistics	2022
Career Development International	2023

Interview Panel Member

Non-JUPAS Interview Department of English, Hong Kong Baptist University	2024
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IX. SCHOLARLY/PROFESSIONAL ACTIVITIES

Statistical Workshops

Mixed Effect Models in Aphasia Research Aphasia Research Laboratory, Boston University Organizer & Presenter	April 2021
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Professional certificates

AI Literacy in Education

Teaching and Learning Innovation Centre
The University of Hong Kong

Professional organizations

Academy of Aphasia Membership	2020 – present
ASHA Asian Pacific Islander Caucus Member	2020 – present
ASHA Special Interest Group 2: Neurogenic Communication Disorders Member	2019 – present

Professional skills

Programming languages: R, MATLAB, LaTeX
Neuroimaging processing: SPM12, PRoNTo, The Decoding Toolbox, CoSMoMVPA