

# Khia Anne Johnson

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## Education

- 2016→ PhD in Linguistics, University of British Columbia, Vancouver, Canada  
Title: *Cross-language (dis)similarity in Cantonese-English bilingual speech production*  
Committee: Molly Babel (chair), Kathleen Currie Hall, Márton Sóskuthy
- 2019 Linguistic Society of America Summer Institute, University of California, Davis, USA  
Courses: Advanced Statistics and Data Analysis, The Bilingual Brain, Introduction to Prosody, and Information-Theoretic Approaches to Linguistics
- 2013 BA in Linguistics, *Magna cum laude*, University of Washington, Seattle, USA

## Publications

Asterisk\* indicates undergraduate student or mentee.

### Under review

- **Johnson, K. A.**, Mellesmoen, G., & Babel, M. Truthfulness judgments are negligibly affected by talker traits.
- **Johnson, K. A.** & Babel, M. Language contact within the speaker: Phonetic variation and crosslinguistic influence. Preprint: <https://osf.io/jhsfc/>.
- Babel, M., **Johnson, K. A.**, & Sen, C.\* Asymmetries in perceptual adjustments to non-canonical pronunciations. (Alphabetical author order). Preprint: <https://osf.io/vdpbr/>.

### Peer-reviewed journal articles

- 2020 Chan, L.,\* **Johnson, K. A.**, & Babel, M. Lexically-guided perceptual learning in early Cantonese-English bilinguals. *The Journal of the Acoustical Society of America*, 147(3), EL277–EL282. <https://doi.org/10.1121/10.0000942>
- 2018 **Johnson, K. A.**, Mellesmoen, G. M., Lo, R. Y.-H., & Gick, B. Prior pronunciation knowledge bootstraps word learning. *Frontiers in Communication*, 3, 1–9. <https://doi.org/10.3389/fcomm.2018.00001>
- 2017 Bliss, H., **Johnson, K. A.**, Burton, S., Yamane, N., & Gick, B. Using multimedia resources to integrate ultrasound visualization for pronunciation instruction into postsecondary language classes. *Journal of Linguistics and Language Teaching*, 8(2), 173–188. <https://sites.google.com/site/linguisticsandlanguage Teaching/home-1/volume-8-2017-issue-2/volume-8-2017-issue-2---article-bliss-et-al>

## Peer-reviewed conference papers

- To appear **Johnson, K. A.** Leveraging the uniformity framework to examine crosslinguistic similarity for long-lag stops in spontaneous Cantonese-English bilingual speech. *Proceedings of Interspeech 2021*. Preprint: <https://osf.io/4p23e/>.
- To appear Soo, R., **Johnson, K. A.**, & Babel, M. Sound change in spontaneous bilingual speech: A corpus study on the Cantonese n-l merger in Cantonese-English bilinguals. *Proceedings of Interspeech 2021*. Preprint: <https://osf.io/9c3w6/>.
- 2020 **Johnson, K. A.**, Babel, M., & Fuhrman, R. A. Bilingual acoustic voice variation is similarly structured across languages. *Proceedings of Interspeech 2020*.  
<https://doi.org/10.21437/interspeech.2020-3095> (Materials: <https://osf.io/b6hpx/>).
- 2020 **Johnson, K. A.**, Babel, M., Fong, I.,\* & Yiu, N.\* SpiCE: A new open-access corpus of conversational bilingual speech in Cantonese and English. *Proceedings of the 12th Language Resources and Evaluation Conference*, 4089–4095. <https://aclweb.org/anthology/2020.lrec-1.503>
- 2019 **Johnson, K. A.** Probabilistic reduction in Spanish-English bilingual speech. *Proceedings of the 19th International Congress of Phonetic Sciences*, 1263–1267.  
[https://assta.org/proceedings/ICPhS2019/papers/ICPhS\\_1312.pdf](https://assta.org/proceedings/ICPhS2019/papers/ICPhS_1312.pdf)

## Working papers

- In press **Johnson, K. A.** Probabilistic reduction in Spanish-English bilingual speech. UBC Qualifying Papers 5 (2017–2019). <https://lingpapers.sites.olt.ubc.ca/ubc-qualifying-papers/>
- In press **Johnson, K. A.** The role of variation type in non-native phonetic category learning. UBC Qualifying Papers 5 (2017–2019). <https://lingpapers.sites.olt.ubc.ca/ubc-qualifying-papers/>

## Presentations

Asterisk\* indicates undergraduate student or mentee.

## Conferences

- 2021 **Johnson, K. A.** Leveraging the uniformity framework to examine crosslinguistic similarity for long-lag stops in spontaneous Cantonese-English bilingual speech [Talk]. Interspeech 2021, Brno, Czechia, August 30–September 3.
- 2021 Soo, R., **Johnson, K. A.**, & Babel, M. Sound change in spontaneous bilingual speech: A corpus study on the Cantonese n-l merger in Cantonese-English bilinguals [Talk]. Interspeech 2021, Brno, Czechia, August 30–September 3.
- 2021 **Johnson, K. A.** & Babel, M. *Language contact within the bilingual: Adapting a model from sound change to crosslinguistic influence* [Talk]. The 13th International Symposium on Bilingualism, Warsaw, Poland, July 10–14.
- 2021 Lloy, A.,\* **Johnson, K. A.** & Babel, M. *Examining the roles of language familiarity and bilingualism in talker recognition* [Talk]. The 13th International Symposium on Bilingualism, Online, July 10–14.
- 2021 **Johnson, K. A.** & Babel, M. *Uniformity and crosslinguistic influence in Cantonese-English bilingual stops* [Poster]. The 3rd International Symposium on Bilingual and L2 Processing in Adults and Children, Nijmegen, the Netherlands, June 3–4.

- 2021 **Johnson, K. A.** (2021). *SpiCE: A new open-access corpus of conversational bilingual speech in Cantonese and English* [Invited Talk]. *New Empirical Contributions to Cantonese Linguistics and Language Processing*, Virtual, February 28.
- 2020 **Johnson, K. A.** & Babel, M. *The role of passage length in acoustic voice variability in bilingual speech* [Poster]. The 179th Meeting of the Acoustical Society of America, Virtual, December 7–11. Materials: <https://osf.io/b6hpx/>.
- 2020 Lloy, A.,\* **Johnson, K. A.**, & Babel, M. *Bilingual talker identification with spontaneous speech in Cantonese and English: The role of language-specific knowledge* [Poster]. The 179th Meeting of the Acoustical Society of America, Virtual, December 7–11.
- 2020 **Johnson, K. A.**, Babel, M., & Fuhrman, R. A. *Bilingual acoustic voice variation is similarly structured across languages* [Talk]. Interspeech 2020, Virtual, October 25–29. Recording: <https://youtu.be/vhRuEWEIRao>.
- 2019 **Johnson, K. A.** & Babel, M. *Bilingual sibilant acoustics in conversational Cantonese-English speech* [Poster]. The 178th Meeting of the Acoustical Society of America, San Diego, USA, December 2–6.
- 2019 Chan, L.,\* **Johnson, K. A.**, & Babel, M. *Lexically-guided perceptual learning in Cantonese-English bilinguals: A web replication study* [Poster]. The 178th Meeting of the Acoustical Society of America, San Diego, USA, December 2–6.
- 2019 **Johnson, K. A.** *Probabilistic reduction in Spanish-English bilingual speech* [Talk]. The 19th International Congress of Phonetic Sciences, Melbourne, Australia, August 5–9.
- 2018 **Johnson, K. A.** *Information-theoretic variables in Spanish-English bilingual speech* [Poster]. The 176th Meeting of the Acoustical Society of America, Victoria, Canada, November 5–9.
- 2018 Cheng, L.,\* **Johnson, K. A.**, & Babel, M. *Bilingual word familiarity in Cantonese and English* [Poster]. The 176th Meeting of the Acoustical Society of America, Victoria, Canada, November 5–9.
- 2017 **Johnson, K. A.**, Mellesmoen, G., Lo, R. Y.-H., & Gick, B. *Help or hinder? The complicated role of pronunciation knowledge in word learning* [Talk]. The Pronunciation in Second Language Learning and Teaching 9th Annual Conference, Salt Lake City, USA, September 1–2.
- 2017 **Johnson, K. A.** *Using enhanced distributional perceptual training to mitigate L2 phonetic undershoot* [Poster]. The 3rd Annual Northwest Phon{etics;ology} Conference, Vancouver, Canada, May 19–21.

#### Public, media, & other

- 2020 **Johnson, K. A.** Bilingual acoustic voice variation is similarly structured across languages. Invited presentation for the UBC Deep Learning & Natural Language Processing Reading Group. Slides: [https://github.com/UBC-NLP/dl-nlp-rg/blob/master/slides/20201216\\_voice-variability-for-ubc-dl-nlp-lab.pdf](https://github.com/UBC-NLP/dl-nlp-rg/blob/master/slides/20201216_voice-variability-for-ubc-dl-nlp-lab.pdf)
- 2019 **Johnson, K. A.** *Building a Cantonese-English bilingual speech corpus*. PhDs Go Public Research Talk Series: Bridging Communities. Vancouver Public Library—Central Branch, Vancouver, Canada, April 26, Recording: <https://youtu.be/IMAhAQfaOIE>.
- 2017 *The awesome complexity of human speech*, UBC Arts on Air, CiTR 101.9 FM, Vancouver, Canada, February 17. (Interviewed as a member of the Speech-in-Context Lab). Recording: <https://www.citr.ca/radio/ubc-arts-on-air/episode/20170217/>.

## Research experience

- 2017→ Research Assistant, PI: Molly Babel, UBC  
Canadian Social Sciences and Humanities Research Council (SSHRC) Insight Grant: *Socially selective phonetic memory*
- 2017→ Research Assistant, PI: Molly Babel, UBC  
Canadian Natural Sciences and Engineering Research Council (NSERC) Discovery Grant: *Competition and evaluation in perceptual learning of speech*
- 2016–2017 Research Assistant, PI: Bryan Gick, UBC  
UBC Teaching and Learning Enhancement Fund: *Multimodal approaches to the empowerment of pronunciation teaching and learning: Creating online interactive tutorial videos*

## Teaching experience

### Teaching assistant

- 2020 *Research Methods for Linguistics* (Instructor: Md. Jahurul Islam)  
Course type: Synchronous web-oriented with regular breakout groups for discussion and R programming labs
- 2017 *Linguistic Theory and Analysis I* (Instructor: Kathleen Currie Hall)  
Course type: Large lecture with weekly TA-led tutorials

### Skills workshops

- 2020 **Johnson, K. A.** *Online experiments with jsPsych and S3*, Speech-in-Context Lab, UBC. Led workshop in May and October. Materials: <https://osf.io/3ufx7/>

### Language teaching

- 2014–2016 Spanish immersion teacher & program coordinator, Sponge School, Seattle, USA  
Description: Teaching enrichment classes for elementary students, curriculum development, teacher training, and support
- 2013 Intern, Seattle Amistad School (K-5 Spanish-English dual immersion), Seattle, USA  
Description: Classroom and administrative support
- 2012 ESL classroom volunteer, Shorecrest High School, Shoreline, USA  
Description: Ethnography component of University of Washington course—*ENGL 471: The Theory and Practice of Teaching Writing*

## Grants, honors, and awards

- 2020 ISCA Interspeech 2020 Travel Grant
- 2020 Public Scholars Initiative Award Renewal: *Speech Production and Perception in Cantonese-English Bilinguals*, UBC
- 2020 Arts Graduate Research Awards, UBC

- 2018 Public Scholars Initiative Award: *Speech Production and Perception in Cantonese-English Bilinguals*, UBC
- 2018–2022 Four Year Fellowship, UBC
- 2018–22 Four Year Fellowship Tuition Waiver, UBC
- 2018 Hong Kong-Canada Business Association Scholarship, UBC (competitive)
- 2017 Elwyn Gregg Memorial Fellowship, UBC (competitive)
- 2017 Gertrude Langridge Graduate Scholarship in Humanities, UBC (competitive)
- 2016–2018 Faculty of Arts Graduate Award, UBC
- 2016–20 International Tuition Award, UBC
- 2013 Phi Beta Kappa (Membership sponsored by UW Linguistics Department)
- 2010 Stanley Ann Dunham Scholarship

## Service

### To the field

- 2021 Peer reviewer, *Journal of Phonetics* (1 journal article manuscript)
- 2020 Peer reviewer, *Journal of Phonetics* (1 journal article manuscript)
- 2020 Volunteer, *LabPhon 17*, Virtual conference
- 2020 Volunteer, *West Coast Conference in Formal Linguistics 38*, Vancouver, Canada
- 2019, 2020 Reviewer (abstracts), *UBC Language Sciences Undergraduate Research Conference*, Vancouver, Canada
- 2018 UBC Qualifying Papers volume 4 editor, *UBC Working Papers in Linguistics*
- 2017 Conference co-organizer, *33rd Northwest Linguistics Conference*, Vancouver, Canada
- 2017 WSCLA volume 25 editor, *UBC Working Papers in Linguistics*

### To the department

- 2020 Speech sciences lecturer search committee, Graduate student representative, Department of Linguistics, UBC
- 2018–2019 Computational linguistics faculty search committee, Graduate student representative, Department of Linguistics, UBC
- 2017–2018 PhD program representative to faculty, Department of Linguistics, UBC

## Skills

- Languages English (native), Spanish (fluent), Arabic (elementary), Cantonese (structural/research)
- Technical Python, R, JavaScript/jsPsych, PsychoPy, E-Prime, Praat, VoiceSauce, Audacity, ELAN, Forced Alignment,  $\LaTeX$

## **Affiliations**

Acoustical Society of America · International Speech Communication Association · European Language Resources Association · Association for Laboratory Phonology · SPARK Society · Public Scholars Initiative (UBC) · Language Sciences Initiative (UBC)