

Hyunah Baek

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Research Interests

Prosody, second language acquisition, phonetics, syntax-phonology interface

Education

Ph.D. candidate in Linguistics

Stony Brook University, Stony Brook, NY

2014-2020 (expected)

Dissertation: *Prosodic resolution of syntactic ambiguity in first and second languages*

Committee: Ellen Broselow, Jiwon Yun (co-advisors), Michael Becker, Marie Huffman

M.A. in English Language Education

Korea University, Seoul, Korea

2011-2013

Thesis: *Korean EFL learners' Perception of English Focus*

Committee: Shinsook Lee (advisor), Taegoo Chung, Mi-Hui Cho

B.A. in English Language Education

Korea University, Seoul, Korea

2006-2011

Visiting student in English

Royal Holloway, University of London, Surrey, UK

2010

Publications

Baek, H. (Under review). Prosodic disambiguation in First and Second Language Production: English and Korean.

Hwang, J., Takahashi, C., **Baek, H.**, Yeung, A., & Broselow, E. (Under revision). Processing prosody without segments by native vs. non-native speakers.

Yeung, A., **Baek, H.**, Takahashi, C., Buttner, S., Hwang, J., & Broselow, E. (2020). Too little, too late: A longitudinal study of English corrective focus by Mandarin speakers. In *Proceedings of the Linguistic Society of America 2020* 5(1), 270-281.

Baek, H. (2019). A cross-linguistic comparison on the use of prosodic cues for ambiguity resolution. In

Proceedings of Meetings on Acoustics 36(1), 060005.

Yeung, A., **Baek, H.**, Takahashi, C., Hwang, J., & Broselow, E. (2019). Pitch range, intensity, and vocal fry in non-native and native English focus intonation. In *Proceedings of Meetings on Acoustics* 36(1), 060004.

Takahashi, C., Kao, S., **Baek, H.**, Yeung, A., Hwang, J., & Broselow, E. (2018). Native and non-native speaker processing and production of contrastive focus prosody. In *Proceedings of the Linguistic Society of America 2018* 3(1), 35:1-13.

Baek, H. & Yun, J. (2018). Prosodic disambiguation of syntactically ambiguous phrases in Korean. In *MIT Working Papers in Linguistics* 88, 89-100.

Baek, H. (2017). Computational representation of unbounded stress: tiers with structural features. In *Proceedings of the 53rd Annual Meeting of the Chicago Linguistic Society*, 13-24.

Baek, H. (2016). A match theoretic approach to Korean intonational phonology. In *Proceedings of the 52nd Annual Meeting of the Chicago Linguistic Society*, 39-51.

Kao, S., Hwang, J., **Baek, H.**, Takahashi, C., & Broselow, E. (2016). International teaching assistants' production of focus intonation. In *Proceedings of Meetings on Acoustics* 26(1), 1-13.

Baek, H. (2012). Perception of English focus in yes-no questions by Korean EFL learners. In *Journal of Studies in Language*, 28(2), 263-283.

Manuscripts in Preparation

Baek, H. (In preparation). Perceptual assimilation of ambiguous vowels in L1 versus in L2.

Hwang, J., **Baek, H.**, Lee, S., & Broselow, E. (In preparation). Korean speakers' perception of cues to liquid contrasts: an EEG study.

Presentations

Baek, H. (2020). Prosodic cue weighting in ambiguity resolution by native and non-native listeners. Poster virtually presented at the 33rd Annual CUNY Human Sentence Processing Conference. University of Massachusetts, Amherst. March 19-12, 2020.

Baek, H. (2020). Prosodic disambiguation and first and second languages. Presented at Research Blitz Brown Bag. Stony Brook University. Stony Brook, New York. March 4, 2020.

Baek, H. (2020). Prosodic disambiguation in L1 and L2 production. Poster presented at the 94th Annual Meeting of the Linguistic Society of America. New Orleans, Louisiana. January 2-5, 2020.

Yeung, A., **Baek, H.**, Takahashi, C., Buttner, S., Hwang, J., & Broselow, E. (2020). Too little, too late: a longitudinal study of English corrective focus by Mandarin speakers. Poster presented at the 94th Annual Meeting of the Linguistic Society of America. New Orleans, Louisiana. January 2-5, 2020.

Broselow, E., Hwang, J., **Baek, H.**, Takahashi, C., & Yeung, A. (2019). The use of focus prosody by

L1 English speakers and Mandarin-English bilinguals. Poster presented at the Bilingualism Matters Research Symposium (BMRS). Edinburgh, UK. September 21, 2019.

Baek, H. (2019). A cross-linguistic comparison on the use of acoustic cues for ambiguity resolution. Poster presented at the 177th Meeting of the Acoustical Society of America (ASA 177). Louisville, Kentucky. May 13-17, 2019.

Yeung, A., **Baek, H.**, Takahashi, C., Hwang, J., & Broselow, E. (2019). Pitch range, intensity, and vocal fry in non-native and native English focus intonation. Poster presented at the 177th Meeting of the Acoustical Society of America (ASA 177). Louisville, Kentucky. May 13-17, 2019.

Baek, H., Hwang, J., Takahashi, C., Yeung, A., Duncan, J., Benedett, S., & Broselow, E. (2019). Are non-native speakers better at producing contrastive focus? Poster presented at the 4th Intonation Workshop. University of Toronto. Toronto, Canada. February 15, 2019.

Takahashi, C., Yeung, A., **Baek, H.**, Broselow, E., & Hwang, J. (2019). Processing prosody without segments: native vs. non-native speakers. Poster presented at the 93rd Annual Meeting of the Linguistic Society of America (LSA 2019). New York City, New York. January 3-6, 2019.

Graf, T., Aksenova, A., **Baek, H.**, De Santo, A., Dolatian, H., Moradi, S., Rawski, J., Yang, S., & Heinz, J. (2018). Tiers and relativized locality across language modules. Presented at Parallels Between Phonology and Syntax Workshop. Meertens Instituut, Amsterdam. July 9, 2018.

Baek, H., Takahashi, C., Yeung, A., Broselow, E., Huffman, M., & Hwang, J. (2018). Focus prosody in First and Second language. Presented at Research Blitz Brown Bag. Stony Brook University. Stony Brook, New York. March 7, 2018.

Takahashi, C., Kao, S., **Baek, H.**, Yeung, A., Hwang, J., & Broselow, E. (2018). Native and non-native speaker processing and production of contrastive focus prosody. Presented at the 92nd Annual Meeting of the Linguistic Society of America (LSA 2018). Salt Lake City, Utah. January 4-7, 2018.

Takahashi, C., Kao, S., **Baek, H.**, Yeung, A., Huffman, M., Broselow, E., & Hwang, J. (2017). English Focus Prosody Processing and Production by Mandarin Speakers. Poster presented at the 174th Meeting of the Acoustical Society of America (ASA 174). New Orleans, Louisiana. December 4-8, 2017.

Takahashi, C., **Baek, H.**, Kao, S., & Yeung, A. (2017). Processing and production of English focus prosody by native English vs. Mandarin speakers. Poster presented at Processing Prosody across Languages, Varieties, and Nateness Workshop (ProPro Workshop 2017). University of Tübingen. Tübingen, Germany. August 31-September 1, 2017.

Baek, H. & Yun, J. (2017). An experimental approach to syntax-prosody mapping in Korean. Presented at the 20th Meeting of the International Circle of Korean Linguistics (ICKL 20). University of Helsinki. Helsinki, Finland. June 27-29, 2017.

Baek, H. & Yun, J. (2017). Prosodic disambiguation of syntactically ambiguous phrases in Korean. Presented at the 13th Workshop on Altaic Formal Linguistics (WAFL 13). International Christian University. Tokyo, Japan. May 25-28, 2017.

Baek, H. (2017). Computational representation of unbounded stress: tiers with structural features. Presented at the 53rd Annual Meeting of the Chicago Linguistic Society (CLS 53). University of Chicago.

Chicago, Illinois. May 25-27, 2017.

Baek, H., Kao, S., Takahashi, C., Broselow, E., Huffman, M., Hwang, J. (2017). Focus prosody in First and Second language. Presented at Research Blitz Brown Bag. Stony Brook University. Stony Brook, New York. March 22, 2017.

Baek, H. (2016). Computational representation of unbounded stress: tiers with structural features. Presented at the Computational Phonology Workshop. Stony Brook University. Stony Brook, New York. December 12, 2016.

Kao, S., Takahashi, C., **Baek, H.**, Hwang, J., & Broselow, E. (2016). Pitch alignment and intensity cues in Mandarin speakers' production of English corrective focus. Presented at the 2nd workshop on Second Language Prosody (SLaP 2). University of Graz. Graz, Austria. November 18-19, 2016.

Kao, S., Hwang, J., **Baek, H.**, Takahashi, C., & Broselow, E. (2016). Longitudinal Study of International Teaching Assistants' Focus Prosody. Invited talk at a LIN 425 (Second Language Phonetics) class. Stony Brook University. Stony Brook, New York. October 11, 2016.

Kao, S., Hwang, J., **Baek, H.**, Takahashi, C., & Broselow, E. (2016). Longitudinal Study of International Teaching Assistants' Focus Prosody. Presented at the 35th Second Language Research Forum (SLRF 35). Teachers College, Columbia University. New York, New York. September 22-25, 2016.

Kao, S., Hwang, J., **Baek, H.**, Takahashi, C., & Broselow, E. (2016). International teaching assistants' production of focus intonation. Poster presented at the 171st Meeting of the Acoustical Society of America (ASA 171). Salt Lake City, Utah. May 23-27, 2016.

Baek, H. (2016). A match theoretic approach to Korean intonational phonology. Presented at the 52nd Annual Meeting of the Chicago Linguistic Society (CLS 52). University of Chicago. Chicago, Illinois. April 21-23, 2016.

Research Experience

Research assistant

Stony Brook University

Fall 2015 - current

Project title: Language Adaptation at Multiple Timescales in Native- and Non-Native Speakers

Supervisors: Susan Brennan, Ellen Broselow, Agnes He, Marie Huffman, Jiwon Hwang, Arthur Samuel

Research intern

Korea Institute for Curriculum and Evaluation

2013

Project title: Strategies for Improving the Affective Characteristics of Korean Students based on the Results of PISA and TIMSS

Supervisor: Seung Hyun Choe

Research assistant

Korea University

2012

Project title: Korean University Students' Listening Comprehension and Learning Effects of Connected Speech Processes in English

Supervisor: Shinsook Lee

Graduate assistant

Center for Teaching and Learning, Korea University

Team: Teaching Support Team

Supervisor: Jungsook Sung

2011

Teaching

Instructor of Record

Stony Brook University

Summer 2020	LIN425/532	Second Language Acquisition (co-taught with Yang Liu)
Summer 2015	ESL 193	Advanced Composition
Fall 2014	ESL 192	Intermediate Composition

Teaching assistant

Stony Brook University

Spring 2018	LIN 201	Phonetics (Instructor: Marie Huffman)
Spring 2017	LIN 431	Structure of an Uncommonly Taught Language (Instructor: Michael Becker)
Spring 2016	LIN 201	Phonetics (Instructor: Marie Huffman)
Fall 2015	LIN 201	Phonetics (Instructor: Marie Huffman)
Spring 2015	LIN 200	Languages in the USA (Instructor: Andrei Antonenko)

Korea University

Fall 2012	ELED 424	Applied Linguistics (Instructor: Shinsook Lee)
Spring 2012	ELED 225	English Phonetics and Sound Patterns (Instructor: Shinsook Lee)

Lecturer/volunteer teacher

Spring 2013	Kaywon Middle School of Arts (Gyeonggi, Korea; taught 7th grade students)	
Fall 2012	Hanil Institute (Gyeonggi, Korea; taught 1st-12th grade students)	
Fall 2008	Korea University Middle School (Seoul, Korea; taught unprivileged students)	
Fall 2007	Yongma Middle School (Seoul, Korea; taught underachieving students)	

Awards & Fellowships

Stony Brook University

- Spring 2020 Linguistics Department Travel Grant
- Fall 2019 Mildred and Herbert Weisinger Dissertation Fellowship
- Fall 2019 Linguistics Department Research Grant
- Spring 2019 SUNY Research Foundation Professional Development Fund
- Spring 2019 Graduate Student Organization (GSO) Resource Access Project
- Spring 2016 Graduate Student Employees Union (GSEU) Professional Development Awards

Korea University

- Spring 2012 Scholarships for Academic Excellence

Services

External services

- Reviewer *Laboratory Phonology, Applied Psycholinguistics*
- Editor *Proceedings of the 2019 Annual Meeting on Phonology*
- Organizing committee The 7th Annual Meeting on Phonology (October 2019)
- Panel member Stony Brook University Libraries' 5th Annual Open Access Symposium: *Toward Equity and Open Knowledge* (March 2020)
- Vice president Stony Brook Korean Graduate Student Association (2015-2016)

Services to the department

- Social media manager 2019-2020
- Colloquium Series co-organizer Fall 2015
- Brown Bag Series organizer Spring 2015

Certificates

Teaching Certificate (English Language)

Ministry of Education, Republic of Korea

2011

Languages

- Korean:** native
- English:** fluent
- Mandarin:** intermediate
- Persian:** beginning

Skills

Experimental platforms: PsychoPy, Experigen, Qualtrics
Experimental tools: Electroencephalography (EEG) with BioSemi's ActiveTwo system,
Eye-tracking with SR Research's EyeLink 1000 Plus
Speech sound analysis: Praat
Programming languages: R, L^AT_EX, Python