

ANGELA COOPER
UNIVERSITY OF TORONTO, DEPARTMENT OF PSYCHOLOGY

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PROFESSIONAL EXPERIENCE

2016 - present *Postdoctoral Fellow*
Department of Psychology, University of Toronto, Mississauga
Sponsored by Elizabeth Johnson

EDUCATION

2011 - 2016 **Northwestern University**
Ph.D. in Linguistics
Specialization in Cognitive Science
Thesis: *Perceptual learning of accented speech by first and second language listeners*
Committee: Ann R. Bradlow (chair), Matt Goldrick, Nina Kraus

Summer 2012 **University of Wisconsin-Madison**
Southeast Asian Studies Institute (SEASSI)
Intensive Thai language course

2008 - 2010 **Simon Fraser University**
M.A. in Linguistics
Thesis: *Effects of linguistic and musical experience on Cantonese tone word learning*
Committee: Yue Wang (senior supervisor), Murray Munro, Dean Mellow, Valter Ciocca (external examiner)

2003 - 2007 **Simon Fraser University**
B.A. in Linguistics (extended minor, English)

RESEARCH INTERESTS

Broad: Speech perception; Phonetics; Phonology; First and second language acquisition; Perceptual learning; Music and language

Specific: Perceptual adaptation mechanisms; influence of variability and linguistic experience on perceptual learning; indexical and extralinguistic effects on speech processing

PUBLICATIONS

Journal Articles

Cooper, A. and Ann R. Bradlow. (in press). Exposure-driven phonetic adjustments by first and second language listeners. *Journal of Phonetics*.

Cooper, A., Natalie Fecher, and Elizabeth K. Johnson. (2018). Toddlers' comprehension of adult and child talkers: adult targets versus vocal tract similarity. *Cognition*, 173, 16-20.

- Cooper, A.** and Ann R. Bradlow. (2017). Talker and background noise specificity in spoken word recognition memory. *Laboratory Phonology*, 8(1): 29, 1-15.
- Cooper, A.**, Yue Wang, and Richard Ashley. (2017). Thai rate-varied vowel length perception and the impact of musical experience. *Language and Speech*, 60(1), 65-84.
- Cooper, A.** and Ann R. Bradlow. (2016). Linguistically guided adaptation to foreign-accented speech. *The Journal of the Acoustical Society of America*, 140(5), EL378-384.
- Cooper, A.**, Susanne Brouwer, and Ann R. Bradlow. (2015). Interdependent processing and encoding of speech and concurrent background noise. *Attention, Perception & Psychophysics*, 77(4), 1342-1357.
- Cooper, A.** and Yue Wang. (2013). Effects of tone training on Cantonese tone-word learning. *The Journal of the Acoustical Society of America*, 134(2), EL133-EL139.
- Cooper, A.** and Yue Wang. (2012). The influence of linguistic and musical experience on Cantonese tone word learning. *The Journal of the Acoustical Society of America*, 131(6), 4756-4769.

Manuscripts

- Cooper, A.**, Melissa Paquette-Smith, and Elizabeth K. Johnson. (in prep). The effects of live interaction on children's adaptation to accented speech.
- Cooper, A.**, Dawn Behne, and Yue Wang. (in prep). Effects of semantic information and segmental familiarity on learning lexical tone.

Conference Proceedings

- Cooper, A.**, Yue Wang, and Richard Ashley. (2015). Effects of musical experience on Thai rate-varied vowel length perception. In The Scottish Consortium for ICPhS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*, Glasgow, UK: University of Glasgow. Paper number 0627, 1-5.
- Bradlow, A. R. and **Angela Cooper**. (2015). Rapid adaptation to target and background talker variation in speech-in-speech perception. In The Scottish Consortium for ICPhS 2015 (Ed.), *Proceedings of the 18th International Congress of Phonetic Sciences*, Glasgow, UK: University of Glasgow. Paper number 0641, 1-5.
- Cooper, A.** and Yue Wang. (2011). Effects of linguistic experience and tone training on Cantonese tone word learning. *Proceedings of the Psycholinguistic Representation of Tone Conference*, Hong Kong, 1-4.
- Wang, Y., Yang Zhang, **Angela Cooper**, and Mathieu Dovan. (2011). Effects of training on the processing of speech and non-speech tone: An event-related potential study. *Proceedings of the Psycholinguistic Representation of Tone Conference*, Hong Kong, 1-4.
- Cooper, A.** and Yue Wang. (2011). The influence of tonal awareness and musical experience on tone word learning. In Wai-Sum Lee and Eric Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Sciences*, 512-515.
- Wang, Y., **Angela Cooper**, Xianghua Wu, and Dawn Behne. (2011). Effect of semantic context on the perceptual learning of lexical tone. In Wai-Sum Lee and Eric Zee (Eds.), *Proceedings of the 17th International Congress of Phonetic Sciences*, 2098-2101.
- Zhang, Y., **Angela Cooper**, and Yue Wang. (2010). Processing of speech and non-speech tonal information by native and nonnative tone language speakers: an event-related electrophysiological study. *Proceedings of the Annual Conference of the Canadian Acoustical*

Association, Victoria, October 13-15.

Cooper, A. and Yue Wang. (2010). Cantonese tone word learning by tone and non-tone language speakers. In Takao Kobayashi, Keikichi Hirose, and Satoshi Nakamura (Eds.), *INTERSPEECH-2010*, Makuhari, Japan: International Speech Communication Association, 1840-1843.

Cooper, A. and Yue Wang. (2010). The role of musical experience in Cantonese lexical tone perception by native speakers of Thai. *Proceedings of the 5th International Conference on Speech Prosody*, Chicago, May 11-14.

CONFERENCE PRESENTATIONS

- 2018 Paquette-Smith, M., **Angela Cooper**, and Elizabeth K. Johnson. Accent adaptation in the real world: Infants learn from live exposure. Paper to be presented at the 21st *International Congress on Infant Studies*, Philadelphia, June 30-July 3.
- 2018 Johnson, E.K., and **Angela Cooper**. Is there a word recognition advantage for toddlers routinely exposed to multiple accents? Poster to be presented at *Laboratory Phonology 16*, Lisbon, June 19-22.
- 2018 **Cooper, A.**, Caterina Bordignon and Elizabeth K. Johnson. The effects of accent distance on perceptual adaptation in toddlers and adults. Poster to be presented at *Laboratory Phonology 16*, Lisbon, June 19-22.
- 2017 **Cooper, A.**, Natalie Fecher and Elizabeth K. Johnson. My voice or your voice: Talker age and familiarity effects on spoken word recognition in toddlers and adults. Poster presented at the 58th Annual Meeting of the Psychonomic Society, Vancouver, November 9-11.
- 2017 **Cooper, A.**, Melissa Paquette-Smith, Keren Smith, Chen Peng, and Elizabeth K. Johnson. Does live interaction facilitate accent adaptation by 16- to 24-month-old infants? Poster presented at the 3rd Workshop on Infant Language Development, Bilbao, June 15-17.
- 2017 **Cooper, A.** Natalie Fecher and Elizabeth K. Johnson. 2.5-year-olds show no own-voice advantage: Implications for the nature of children's early lexical representations. Poster presented at the 3rd Workshop on Infant Language Development, Bilbao, June 15-17.
- 2016 **Cooper, A.** and Ann R. Bradlow. Perceptual learning of accented speech by first and second language listeners. Poster presented at the 57th Annual Meeting of the Psychonomic Society, Boston, November 17-20.
- 2015 **Cooper, A.** and Ann R. Bradlow. Linguistically-guided perceptual adaptation to foreign-accented speech. Poster presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, November 19-22.
- 2015 **Cooper, A.**, Yue Wang, and Richard Ashley. The impact of musical experience on the perception of rate-varied vowel length in Thai. Oral presentation at the Meeting of the Society for Music Perception & Cognition (SMPC 2015), Nashville, August 1-5.
- 2014 **Cooper, A.** and Ann R. Bradlow. Lexical Feedback and Perceptual Learning of Foreign-Accented Speech. Oral presentation at the 55th Annual Meeting of the Psychonomic Society, Long Beach, November 20-23.

- 2014 **Cooper, A.** and Ann R. Bradlow. Effects of talker and noise variation on recognition memory for spoken words. Poster presented at Architecture and Mechanisms of Language Processing (AMLaP 2014), Edinburgh, September 3-6.
- 2014 **Cooper, A.**, Susanne Brouwer, and Ann R. Bradlow. Interdependent processing of speech and background noise. Poster presented at 167th Meeting of the Acoustical Society of America, Providence, May 5-9.
- 2013 **Cooper, A.** and Ann R. Bradlow. Talker familiarity effects on speech-in-speech perception. Poster presented at 166th Meeting of the Acoustical Society of America, San Francisco, December 2-6.
- 2013 **Cooper, A.**, Susanne Brouwer, and Ann R. Bradlow. Perceptual integration of speech and background noise. Poster presented at Architecture and Mechanisms of Language Processing (AMLaP 2013), Marseille, September 2-4.
- 2012 Wang, Y., Yang Zhang, **Angela Cooper**, and Mathieu Dovan. Effects of musical and linguistic experience on the processing of speech and non-speech pitch: an event-related electrophysiological study. Poster presented at 19th Annual Cognitive Neuroscience Meeting, Chicago, IL, March 31-April 3.
- 2011 **Cooper, A.**, Michael Blasingame, and David Potter. Communicatively- and prosodically-driven hyper-articulation in English. Oral presentation at the 17th Mid-Continental Conference on Phonetics and Phonology, Urbana-Champaign, IL, October 21-23.
- 2009 **Cooper, A.** and Yue Wang. Effects of linguistic and musical experience on non-native perception of Thai vowel duration. Poster presented at the 2nd Acoustical Society of America Workshop on Speech: Cross-language speech perception and variations in linguistic experience, Portland, May 22-23.
- 2008 Wang, Y., Dawn Behne, **Angela Cooper**, and Jung-Yueh Tu. Domain-specific processing of Mandarin tone. Poster presented at 157th Meeting of the Acoustical Society of America, Portland, May 18-22.
- 2008 Wang, Y., Dawn Behne, **Angela Cooper**, Haisheng Jiang, Nina Leung, and Jung-Yueh Tu. Effects of auditory, visual and audio-visual training on nonnative perception of English fricatives. Poster presented at Acoustics 2008, Paris, Jun. 29-Jul. 4.
- 2008 Wang, Y., Dawn Behne, **Angela Cooper**, Haisheng Jiang, Nina Leung, and Jung-Yueh Tu. Effects of training modality on audio-visual perception of place of articulation and voicing in nonnative speech. Oral presentation at the Annual Conference of the Canadian Acoustical Association, Vancouver, Oct. 6-8.

INVITED TALKS

- 2018 **Cooper, A.** Variation and adaptation in speech perception across development. Presentation to the Department of Linguistics, University of British Columbia, Feb. 15.
- 2018 **Cooper, A.** Diversity and adversity in speech perception. Presentation to the Department of Linguistics, University of British Columbia, Feb. 14.
- 2018 **Cooper, A.** Perceptual experience and adaptation in speech perception for second language learners. Presentation to the Department of Linguistics, Montclair State

University, Feb. 9.

- 2017 **Cooper, A.** Variation and adaptation in speech perception. Presentation to the Department of Linguistics, University of Alberta, Feb. 9.
- 2016 **Cooper, A.** Word recognition for own versus unfamiliar voices in toddlers and adults. Presentation at the Psychology Brown Bag, University of Toronto, Nov. 28.
- 2015 **Cooper, A.** and Ann R. Bradlow. Linguistically-guided perceptual learning of accented speech. Presentation to the Speech Recognition in Adverse Conditions Group, Radboud University, Nov. 19.

AWARDS & HONOURS

2011 – 2015	\$80,000	Social Sciences and Humanities Research Council Doctoral Fellowship
2015	\$3000	Northwestern University Graduate Research Grant
2015	\$800	Northwestern University TGS Conference Travel Grant
2015	\$300	Northwestern University Cognitive Science Travel Grant
2013	\$700	Northwestern University TGS Conference Travel Grant
2013	\$300	Northwestern University Cognitive Science Travel Grant
2012	\$1,500	Southeast Asian Studies Institute Tuition Scholarship
2009 - 2010	\$17,500	Social Sciences and Humanities Research Council Joseph-Armand Bombardier Canada Graduate Scholarship (Master's)
2009	\$6,250	Simon Fraser University Graduate Fellowship
2009	\$2,500	Simon Fraser University Graduate International Research Travel Award
2008 – 2009	\$10,000	Pacific Century Graduate Scholarship
2008 – 2009	\$9,000	Special Graduate Entrance Scholarship
2007	\$4,500	NSERC Undergraduate Student Research Award
2004 – 2007	\$10,500	Simon Fraser University Open Scholarship
2003	\$3,500	The British Columbia Secondary School Summit Entrance Scholarship
2012		Nominee for the Usha Maha Jani Award for excellence in language study, SEASSI, University of Wisconsin-Madison
2010		Dean of Graduate Studies Convocation Medal
2007		Outstanding Academic Achievement Award, Linguistics Department, Simon Fraser University
2004 – 2007		Undergraduate Honour Roll, Simon Fraser University

TEACHING EXPERIENCE

Winter 2015 **Seminar in Linguistics: Second Language Speech Processing and Learning**

Teaching Assistant, Department of Linguistics, Northwestern University

Co-taught with Ann Bradlow. Assisted in:

- Course design and development
- Lectures and discussion
- Grading

Spring 2010 **Introduction to Phonetics and Phonology**
Tutor Marker, Department of Linguistics, Simon Fraser University

Fall 2009 **Introduction to the Description of English Grammar**

Introduction to Phonetics and Phonology
Tutor Marker, Department of Linguistics, Simon Fraser University

Spring 2009 **Language & Communication**
Tutor Marker, Department of Linguistics, Simon Fraser University

Fall 2008 **Phonetics**
Tutor Marker, Department of Linguistics, Simon Fraser University

MENTORSHIP & ADMINISTRATIVE EXPERIENCE

2016 – present Child Language and Speech Studies Lab
Research Co-Supervisor, Department of Psychology, University of Toronto
Principal Investigator: Elizabeth Johnson

- Train and co-supervise undergraduate research assistants in stimulus creation, data collection and processing
- Discuss ongoing research and related research with students

2013 – 2015 Capstone Program
Committee Member (for 1 student), Department of Communication Sciences & Disorders, Northwestern University

2007 – 2010 Language and Brain Lab
Lab Manager, Department of Linguistics, Simon Fraser University
Principal Investigator: Yue Wang

- Trained and co-supervised undergraduate research assistants in stimulus creation, behavioural and EEG data collection and analysis
- Co-ordinated lab protocol and project documentation

SERVICE

2014 - present Ad-hoc Reviewer
Attention, Perception & Psychophysics
Bilingualism: Language & Cognition
Child Development
Cognition
Frontiers in Psychology
Infancy
Journal of Experimental Psychology: Human Perception and Performance
Journal of Memory and Language
Journal of Speech, Language, and Hearing Research

Language Learning
Language Learning and Development
Language and Speech
Neuropsychologia
Phonetica
The Journal of the Acoustical Society of America

2015 – 2016 Graduate Student Representative, Northwestern University
2012 – 2015 Web Coordinator, Northwestern University
2011 – 2012 Linguistics Colloquium Committee, Northwestern University
2009 – 2010 Website Committee, SFU Linguistics Graduate Student Association
2010 Organizing Committee, 26th Northwest Linguistics Conference

SKILLS

Languages

English (native); Thai (intermediate); French (basic); German (basic reading)
Research experience with Mandarin and Cantonese

Experimental Techniques

Adult: Behavioural (both online and in-lab) and EEG (128-channel EGI system) data collection
Child: Preferential looking/Eye-tracking; Word elicitation task; Forced-choice identification task

Software

Experiment: E-Prime, Superlab
Stimulus creation: Praat, Audacity, iMovie, Photoshop
Analysis: SuperCoder, R, SPSS, Microsoft Excel