

August 25, 2017

## CURRICULUM VITAE

### REIKO MAZUKA

#### Laboratory Head

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### ■ Education

#### Degree Programs:

May, 1990	(Ph.D.)	Cornell University	Developmental Psychology
December, 1984	(M.Sc.)	University of Edinburgh	General Linguistics
March, 1983	(M.Litt.)	Nagoya University	Psychology
March, 1981	(B.A.)	Nagoya University	Psychology

#### Non-Degree Programs:

October, 1987	The Research Institute of	Graduate Research Student
- August, 1988	Logopedics and Phoniatics, Faculty of Medicine University of Tokyo	
Summer, 1986	Linguistic Society of America Summer Institute in Compu-tational Linguistics	
September, 1978	Oberlin College	Exchange Student
-May, 1979		

### ■ Academic Experience

2004-Present	Laboratory Head	Laboratory for Language Development RIKEN Brain Science Institute
2013-Present	Research Professor	Department of Psychology & Neuroscience, Duke University
1997- 2013	Associate Professor	Department of Psychology & Neuroscience Duke University
1990-1997	Assistant Professor	Department of Psychology, Duke University
1989-1990	Lecturer	Department of Psychology, Duke University
April, 2011	Invited Researcher	Institute of Applied Brain Sciences Waseda University
-Present		
May, 2010	Visiting Researcher	Institute of Applied Brain Sciences Waseda University
-March, 2011		
October, 2015	Management Committee	The National Institute of Japanese Language, Japan.

-Present October, 2009	Member Collaborative Researcher	The National Institute of Japanese Language, Japan.
-Present 2002 -July, 2006	Adjunct Professor Invited Researcher	UNC Department of Psychology NTT Communication Science Research Laboratories Atsugi, Japan
January -July, 2000	Invited Researcher	ATR Human Information Processing Laboratories Kyoto, Japan
January-July, November, 1998	Special Researcher	Media Network Center Waseda University
April, 1998- March, 2014	Core Faculty Graduate Faculty	Linguistics Program, Duke University Department of Linguistics, UNC-Chapel Hill
1996-Present 1994-Present	Invited Researcher	NTT Basic Research Laboratories, Tokyo, Japan
1993-1994 Summer, 1992	Visiting Scholar	The Research Institute of Logopedics and Phoniatrics, Faculty of Medicine, University of Tokyo
Summers, 1979, 1981, 1983	Instructor	FALCON Intensive Japanese Program Department of Modern Languages and Linguistics Cornell University

## ■ Honors and Awards

1994-1999	NIMH FIRST Award
1993-1998	NSF Young Investigator Award
August, 1991	American Psychological Association, Division 7 (Developmental Psychology) Distinguished Dissertation Award
1990-1991	Lilly Teaching Fellowship
1988-1989	Social Science Research Council Japan Program Fellowship
1987-1988	NSF Grant for Doctoral Dissertation Research
1986	Nominated for a membership in Honor's Society Phi-Kappa-Phi
1983-1984	Rotary International Fellowship
1978-1979	Japanese Ministry of Education Fellowship for an International Exchange Program

## ■ Academic Affiliations

International Society for Infant Studies (Executive Board Member-at-large, 2016-2020)  
 American Psychological Society  
 International Association for the Study of Child Language  
 Linguistic Society of America  
 Society for Research in Child Development  
 Cognitive Development Society  
 Language Development Society  
 Korean Cognitive Science Society (Advisory Board)  
 Nihon Shinri Gakkai (Japanese Psychological Society)  
 Nihon Akachan Gakkai (Japanese Society of Infant Studies)  
 Nihon Ninchi Kagakukai (Cognitive Science Society of Japan)  
 Nihon Gengo Gakkai (Linguistics Society of Japan)  
 Nihon Onkyo Gakkai (Acoustic Society of Japan) (Review editor)  
 Nihon Gengo Kagakukai (Japanese Science of Language Studies, Board member)  
 Hattatsu shogai shien kenkyukai (Originator, Association for Assistance for Developmental  
 Disorder:ADD, IEICE)

## ■ Editorial Board

2013-Present	Associate Editor, Language Learning and Development
2010-Present	Frontiers in Cultural Psychology
2010-Present	Frontiers in Language Sciences
2007-Present	Syntax: Journal of Theoretical, Experimental and Interdisciplinary Research
2004-Present	Language Learning and Development
2002-Present	Korean Journal of Cognitive Science
2000-2005	Japanese Journal of Cognitive Science
1998-2002	Syntax: Journal of Theoretical, Experimental and Interdisciplinary Research

## ■ Ad hoc reviewer

Journal of Developmental Psychobiology  
Journal of Developmental Psychopathology  
Lawrence Erlbaum Associates (review of book manuscripts)  
Journal of Memory and Language  
Journal of Cross-Cultural Psychology  
Cognition  
Language  
Language and Speech  
Journal of Acoustical Society of America  
Journal of East Asian Linguistics  
Japanese Journal of Cognitive Science  
Journal of Language and Cognitive Processes  
Journal of Cognitive Neuroscience  
Infancy  
Neuroscience  
Bilingualism  
Neuroscience Research  
Developmental Science  
Language Learning and Development  
Journal of The Acoustical Society of Japan  
Neuropsychologia

## ■ Ad Hoc Grant Reviewer

Research Grant Council of Hong Kong  
NIMH Review Panel (Minority Institutions Infrastructure Grants)  
NSF (grant proposals in linguistics program)  
Social Sciences and Humanities Research Council of Canada (SSHRC)

## ■ Funding

2017-2021FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research on Innovative Areas.
2016-2022FY	Representative Researcher.	Grant-in-Aid for Scientific Research(A).
2015-2016FY	Representative Researcher.	Grant-in-Aid for Scientific Research on Innovative Areas.
2009-2011FY	Representative Researcher.	Grant-in-Aid for Scientific Research(C).
2015-2019FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).
2011-2015FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).
2005-2008FY	Collaborative Researcher.	Grant-in-Aid for Scientific Research(A).

## ■ Publications

### Journal Articles:

- Miyazawa, K., Shinya, T., Martin, A., Kikuchi, H., & Mazuka, R. (2017). Vowels in Infant-directed speech: More breathy and more variable, but not clearer. *Cognition*, 166,84-93. doi: 10.1016/j.cognition.2017.05.003
- Hayashi, A., & Mazuka, R. (2017). Emergence of Japanese Infants' Prosodic Preferences in Infant-Directed Vocabulary. *Developmental Psychology*, 53(1), 28-37. doi:10.1037/dev0000259
- Hirose, Y. & Mazuka, R. (2017). Exploiting pitch accent information in compound processing: A comparison between adults and 6- to 7-year-old children. *Language Learning and Development*. doi: 10.1080/15475441.2017.1292141
- Sugiura, L., Toyota, T., Matsuba-Kurita, H., Iwayama, Y., Mazuka, R., Yoshikawa, T., & Hagiwara, H. (2017). Age-dependent effects of Catechol-O-Methyltransferase(COMT) Gene Val<sup>158</sup>Met Polymorphism on language function in developing children. *Cerebral Cortex*, 27(1), 104-116. doi: 10.1093/cercor/bhw371
- Ludusan, B., Mazuka, R., Bernard, M., Cristia, A., & Dupoux, E. (2017). The role of prosody and speech register in word segmentation: A computational modelling perspective. *Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (Short Papers)*, 178-183. (The Best Short Paper Award for 2017). doi: 10.18653/v1/P17-2028
- Mazuka, R., Hayashi, A., & Kondo, T. (2017a). Sounds of infant-directed vocabulary: Learned from infants' speech or part of linguistic knowledge? *Journal of the Phonetic Society of Japan*, 21(1), 45-58
- Martin, A., Igarashi, Y., Jincho, N., & Mazuka, R. (2016). Utterances in infant-directed speech are shorter, not slower. *Cognition*, 156, 52-59. doi: 10.1016/j.cognition.2016.07.015
- Ludusan, B., Cristia, A., Martin, A., Mazuka, R., & Dupoux, E. (2016). Learnability of prosodic boundaries: Is infant-directed speech easier? *Journal of the Acoustical Society of America*, 140(2), 1239. doi: 10.1121/1.4960576
- Mazuka, R. (2016). "Akachan wa douyatte gengo o manabunoka-nihongo no tokucho o riyou shite nyuuji on in hattatsu no katei o saguru." (In Japanese). (How do infants learn language? Taking advantage of phonological characteristics of Japanese in the investigating into infant speech acquisition), "Kokoro no kagaku, Special issue kokomade wakatta nou to kokoro" , (In Japanese, *Science of Mind, Special issue: Latest discoveries in brain and mind*), 11-15.
- Tsuji, S., Fikkert, P., Yamane, N., & Mazuka, R. (2016). Language-general biases and language-specific experience contribute to phonological detail in toddlers' word representations. *Developmental Psychology*, 52(3), 379-390. doi: 10.1037/dev0000093
- Mazuka, R., Igarashi, Y., Martin, A., & Utsugi, A. (2015). Infant-directed speech as a window into the dynamic nature of phonology. *Laboratory Phonology*, 6(3-4), 281-303. doi: 10.1515/lp-2015-0009
- Hawthorne, K., Mazuka, R., & Gerken, L. (2015). The acoustic salience of prosody trumps infants' acquired knowledge of language-specific prosodic patterns. *Journal of Memory and Language*, 82, 105-117.

- Arai, M., Nakamura, C., & Mazuka, R. (2015). Predicting the unbeaten path through syntactic context. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 41(2), 482-500.
- Martin, A., Schatz, T., Versteegh, M., Dupoux, E., Mazuka, R., Miyazawa, K., & Cristia, A. (2015). Mothers speak less clearly to infants: A comprehensive test of the hyperarticulation hypothesis. *Psychological Science*, 26(3), 341-347.
- Hirose, Y., & Mazuka, R. (2015). Predictive processing of novel compounds: Evidence from Japanese. *Cognition*, 136(2015), 350-358.
- Tsuji, S., Mazuka, R., Cristia, A. & Fikkert, P. (2015). Even at 4 months, a labial is a good enough coronal, but not vice versa. *Cognition*, 134(2015), 252-256.
- Matsuda, Y-T., Ueno, K., Cheng, K., Konishi, Y., Mazuka, R., & Okanoya, K. (2014). Auditory observation of infant-directed speech by mothers: experience-dependent interaction between language and emotion in the basal ganglia. *Frontiers in Human Neuroscience*, 8, 907. doi: 10.3389/fnhum.2014.00907.
- Tsuji, S., Nishikawa, K., & Mazuka, R. (2014). Segmental distributions and consonant-vowel association patterns in Japanese infant- and adult-directed speech. *Journal of Child Language*, 41(6), 1276-1304. doi: 10.1017/S0305000913000469.
- Jincho, N., Feng, G., & Mazuka, R. (2014). : Development of text reading in Japanese: An eye movement study. *Reading and Writing*, 27,1437-1465. doi: 10.1007/s11145-014-9500-9.
- Igarashi, Y., & Mazuka, R. (2014). “Tai nyuyoji kaiwa no naka no intoneeshon.” (In Japanese). (Intonation of infant-directed speech) “Nihongogaku” (In Japanese, *Japanese Linguistics*), 33(7), 40-52.
- Gonzalez-Gomez, N., Hayashi, A., Tsuji, S., Mazuka, R., & Nazzi, T. (2014). The role of the input on the development of the LC bias: A crosslinguistic comparison. *Cognition*, 132 (3), 301-311. doi: 10.1016/j.cognition.2014.04.004.
- Martin, A., Utsugi, A., & Mazuka, R. (2014). The multidimensional nature of hyperspeech: Evidence from Japanese vowel devoicing. *Cognition*, 132(2), 216-228. doi: 10.1016/j.cognition.2014.04.003.
- Miyazawa, K., Shirose, A., Mazuka, R., & Kikuchi, H. (2014). “Chishiki kakutoku moderu to shiteno jikososhikika mappu-renzoku onsei kara no kyoshi nashi onso taikai no gakushu.”(In Japanese). (Self-organizing maps as the perceptual acquisition model - Unsupervised phoneme learning from Continuous Speech -). “Chino to joho nihon chino joho fuaji gakkaiishi” (In Japanese, *Journal of Japan Society for Fuzzy Theoy and Intelligent Informatics*), 26(1), 510-520.
- Mazuka, R., Hasegawa, M., & Tsuji, S. (2014). Development of non-native vowel discrimination: Improvement without exposure. *Developmental Psychobiology*, 56, 192-209. doi: 10.1002/dev.21193.
- Arai, M., & Mazuka, R. (2014). The development of Japanese passive syntax as indexed by structural priming in comprehension. *The Quarterly Journal of Experimental Psychology*, 67(1), 60-78. doi: 10.1080/17470218.2013.790454.
- Zervakis, J., & Mazuka, R. (2013). Effect of repeated evaluation and repeated exposure on acceptability ratings of sentences. *Journal of Psycholinguistic Research*, 42(6), 505-525.

- Sato, Y., Utsugi, A., Yamane, N., Koizumi, M., & Mazuka, R. (2013). Dialectal differences in hemispheric specialization for Japanese lexical pitch accent. *Brain and Language*, 127(3), 475-483. doi: 10.1016/j.bandl.2013.09.008.
- Gervain, J., Sebastian-Galles, N., Diaz, B., Laka, I., Mazuka, R., Yamane, N., Nespor, M., & Mehler, J. (2013). Word Frequency Cues Word Order in Adults: Cross-Linguistic Evidence. *Frontiers in Psychology*, 4:689, doi: 10.3389/fpsyg.2013.00689.
- Igarashi, Y., Nishikawa, K., Tanaka, K., & Mazuka, R. (2013). Phonological theory informs the analysis of intonational exaggeration in Japanese infant-directed speech. *The Journal of Acoustical Society of America*, 134(2), 1283-1294.
- Bion, R. A. H., Miyazawa, K., Kikuchi, H., & Mazuka, R. (2013). Learning phonemic vowel length from naturalistic recordings of Japanese infant-directed speech. *PLOS ONE*, 8(2), e51594.
- Minai, U., Jincho, N., Yamane, N., & Mazuka, R. (2012). What hinders child semantic computation: Children's universal quantification and the development of cognitive control. *Journal of Child Language*, 39(5), 919-956.
- Tsuji, S., Gonzalez, G. N., Medina, V., Nazzi, T., & Mazuka, R. (2012). The labial-coronal effect revisited: Japanese adults say pata, but hear tapa. *Cognition*, 125(3), 413-428.
- Nakamura, C., Arai, M., & Mazuka, R. (2012). Immediate use of prosody and context in predicting a syntactic structure. *Cognition*, 125(2), 317-323.
- Mazuka, R. (2012). "Nyuji no onsei hattatsu" (In Japanese). (Development of infant speech perception). *The Journal of the Acoustical Society of Japan*, 68(5), 241-247.
- Sato, Y., Kato, M., & Mazuka, R. (2012). Development of single/geminate obstruent discrimination by Japanese infants: Early integration of durational and non-durational cues. *Developmental Psychology*, 48(1), 18-34.
- Ito, K., Jincho, N., Minai, U., Yamane, N., & Mazuka, R. (2012). Intonation facilitates contrast resolution: Evidence from Japanese adults and 6-year olds. *Journal of Memory and Language*, 66(1), 265-284.
- Mazuka, R., Cao, Y., Dupoux, E., & Christophe, A. (2011). The development of a phonological illusion: A cross-linguistic study with Japanese and French infants. *Developmental Science*, 14(4), 693-699.
- Minagawa-Kawai, Y., van der Lely, H., Ramus, F., Sato, Y., Mazuka, R., & Dupoux, E. (2011). Optical brain imaging reveals general auditory and language-specific processing in early infant development. *Cerebral Cortex*, 21(2), 254-261.
- Sato, Y., Mori, K., Koizumi, T., Minagawa-Kawai, Y., Tanaka, A., Ozawa, E., Wakaba, Y. & Mazuka, R. (2011). Functional lateralization of speech processing in adults and children who stutter. *Frontiers in Psychology: Language Sciences*, 2, 1-10.
- Matsuda, Y-T., Ueno, K., Waggoner, A. R., Erickson, D., Shimura, Y., Tanaka, K., Cheng, K., & Mazuka, R. (2011). Processing of infant-directed speech by adults. *NeuroImage*, 54(1), 611-621.
- Sato, Y., Sogabe, Y., & Mazuka, R. (2010). Development of hemispheric specialization for lexical pitch-accent in Japanese infants. *Journal of Cognitive Neuroscience*, 22(11), 2503-2513.

- Sato, Y., Sogabe, Y., & Mazuka, R. (2010). Discrimination of phonemic vowel length by Japanese infants. *Developmental Psychology*, 46(1), 106-119.
- Yoshida, K. A., Iversen, J. R., Patel, A. D., Mazuka, R., Nito, H., Gervain, J., & Werker, J. F. (2010). The development of perceptual grouping biases in infancy: A Japanese-English cross-linguistic study. *Cognition*, 115(2), 356-361.
- Mazuka, R. (2009). "Gengo rizumu no kakutoku to inritsu ni yoru buutosutorapping kasetu" (In Japanese). (Acquisition of linguistic rhythm and prosodic bootstrapping hypothesis). "Onsei Kenkyu" (In Japanese, *Journal of the Phonetic Society of Japan*), 13(3), 19-32.
- Mazuka, R. (2009). "Gengo kakutoku no kiban o nasu rizumu ninchi" (In Japanese). (Role of linguistic rhythm for language acquisition). "Gekkan Gengo" (In Japanese, *Monthly magazine Language*), 38(6), 58-65.
- Mazuka, R., Jincho, N., & Oishi, H. (2009). Development of executive control and language processing. *Language and Linguistic Compass*, 3(1), 59-89.
- Gervain, J., Nespore, M., Mazuka, R., Horie, R., & Mehler, J. (2008). Bootstrapping word order in prelexical infants: A Japanese-Italian cross-linguistic study. *Cognitive Psychology*, 57(1), 56-74.
- Jincho, N., Namiki, H., & Mazuka, R. (2008). Effects of verbal working memory and cumulative linguistic knowledge on reading comprehension. *Japanese Psychological Research*, 50(1), 12-23.
- Mazuka, R. (2008) "Nyuji no gengo onsei chikaku to gengo hattatsu" (In Japanese). (Infant speech perception and language acquisition), "Seitai no Kagaku" (In Japanese, *Life Science*), 59(5), 448-449.
- Sato, Y., & Mazuka, R. (2008). Comments on Morokuma, Fukushima, Nakano, & Waki "Taiji kodo ni okeru chusu sinkeikinou no hyoka :Taiji no gakusyu kino to gengo hattatsu tonon kanrensei" (In Japanese). (Learning function in fetus and language development after birth. Comment on "Assessment of central nervous system by fetal development" by Morokuma, S., Fukushima, K., Nakano, H., Wake, N.). *Bebii Saiensu* (In Japanese, *Baby Science*), 7, 16-17.
- Sato, Y., Sogabe, Y., & Mazuka, R. (2007). Brain responses in the processing of lexical pitch-accent by Japanese speakers. *Neuroreport*, Dec 3; 18(18) 2001-2004.
- Mazuka, R. (2007). The rhythm-based prosodic bootstrapping hypothesis of early language acquisition: Does it work for learning for all languages? *Journal of the Linguistic Society of Japan*, (132), 1-13.
- Imai, M., & Mazuka, R. (2007). Language-relative construal of individuation constrained by universal ontology: revisiting language universals and linguistic relativity. *Journal of Cognitive Science*, 31, 385-413
- Mazuka, R. (2006). Comments on the paper by Hayashi : "Nyuji no onsei chikaku gakusyu ni okeru kobetsu gengo no eikyo" (In Japanese). (Language specific phonology on phonological development by infants : Comments on the Paper by Hayashi). *Shinrigaku-Hyoron* (In Japanese, *Japanese Psychological Review*), 49(1), 75-77.
- Mazuka, R. (2005). Comments on Kajikawa & Imai, "Nyuyojiki no gengo hattatsu o sasaeru gakusyu mekanizumu: Onsei kara imi e:Gengo nai no kobetsu reberu no tokusei to gengo kakutoku no

mekanizumu” (In Japanese). (Mechanism of language acquisition and its relation to language specific properties. Comment on “Learning mechanism underlying language development during infancy and childhood: From sound to meaning” by Kajikawa & Imai). *Bebii Saiensu* (In Japanese, *Baby Science*), 5, 37-38.

- Choi, Y-O., & Mazuka, R. (2003). Young children’s use of prosodic cues in sentence processing. *Journal of Psycholinguistic Research*, 32(2), 197-217.
- Choi, Y-O., & Mazuka, R. (2002). Are prosodic units universally important to children in their early language acquisition? Korean children’s detection and use of language-specific prosodic units. *Korean Journal of Cognitive Science*, 2(2), 171-193.
- Kondo, T., Mazuka, R., & Kakehi, K. (2002). “Nihongo no dokkai katei ni okeru gotokusei oyobi gojun no eikyo” (In Japanese). (The influence of lexical properties in Japanese sentence comprehension). *Japanese Journal of Cognitive Science*, 9(4) 543-563.
- Mazuka, R., & Friedman, R. (2000). Linguistic relativity in Japanese and English: Is language the primary determinant in object classification? *Journal of East Asian Linguistics*, 9(4), 353-377,
- Mazuka, R., Itoh, K., & Kondo, T. (1997). Processing down the Japanese garden-path sentences. *Journal of Psycholinguistic Research*, 26(2) 207-228.
- Misono, Y., Mazuka, R., Kondo, T., & Kiritani, S. (1997). Effects and limitations of prosodic and semantic biases on syntactic ambiguity resolution of Japanese sentences. *Journal of Psycholinguistic Research*, 26 (2) 229-245.
- Yokoyama, H., Niwa, S., Itoh, K., Mazuka, R. (1996). Fractal property of eye movements in schizophrenia. *Biological Cybernetics*, 75, 137-140.
- Kondo, T., & Mazuka, R. (1996). Prosodic planning while reading aloud: On-line examination of Japanese sentences. *Journal of Psycholinguistic Research*, 25(2), 353-377.
- Lust, B., Eisele, J., & Mazuka, R. (1992). The binding theory module: Evidence from first language acquisition for Principle C. *Language*, 68, 333-358.
- Mazuka, R. (1991). Processing of empty categories in Japanese. *Journal of Psycholinguistic Research*, 20, 215-232.
- Lust, B., & Mazuka, R. (1989). Cross-linguistic studies of directionality in first language acquisition: Response to O’Grady, Suzuki-Wei and Cho, 1986. *Journal of Child Language*, 16, 665-684.

### **Books:**

- Arita, S., Goto Butler, Y., Hauser, E., Horie, K., Mazuka, R., Shirai, Y., & Tsubakita, J. (Eds.). (2011). *Papers from the Tenth Annual Conference of the Japanese Society for Language Sciences: Studies in Language Sciences 10*. Kurosio Publishers, Tokyo.
- Nakayama, M., Shirai, Y., & Mazuka, R. (2006). *Handbook of East-Asian Psycholinguistics: Volume II, Japanese*. Cambridge University Press.
- Mazuka, R. (1998). *The Development of Language Processing Strategies: A cross-linguistic study between Japanese and English*. Lawrence Erlbaum Associates.
- Mazuka, R., & Nagai, N. (Eds.). (1995). *Japanese Sentence Processing*. Lawrence Erlbaum Associates.



## **Book Chapters:**

- Gervain, J., Christophe, A., Mazuka, R. (in press). "Prosodic bootstrapping." C. Gussenhoven & A. Chen (Eds.), *The Oxford Handbook of Language Prosody*. Oxford, U.K.: Oxford University Press.
- Mazuka, R., Hayashi, A., & Kondo, T. (2017b). "Good Infant-directed words" do not sound like "Good Japanese words." "On-in Kenkyu no Shintenkai: Kubozono Haruo Kanreki Kinen Ronbun-shu." (New Perspectives in Phonological Research: A Volume Dedicated for Haruo Kubozono's 60<sup>th</sup> Anniversary). Tokyo, Japan: Kaitakusha. Chapter 13, 202-219.
- Mazuka, R. (2015). Learning to become a native listener of Japanese. In Nakayama, M. (ed.) *Handbook of Japanese Psycholinguistics, Berlin/Boston: De Gruyter Mouton*. Chapter 2, 19-47.
- Jincho, N., & Mazuka, R. (2011). Individual differences in sentence processing: Effects of verbal working memory and cumulative linguistic knowledge. In Yamashita, H., Hirose, Y. & Packard, J. (Ed.), *Processing and Producing Head-Final Structures, Studies in Theoretical Psycholinguistics 38*. Springer. 49-65.
- Choi, Y-O., & Mazuka, R. (2009). The acquisition of prosody in Korean. In Lee, C.-M. (Ed.), *Handbook of East Asian Psycholinguistics, Volume III, Korean*. Cambridge University Press. 255-267.
- Mazuka, R. (2008). "Gengo kakutoku ni okeru nenrei koka wa rinkaiki ka" (In Japanese). (Age of acquisition and critical period in language acquisition). In Iriki, A. (Ed.), "*Gengo to Shiko o Umu Nou*," Chapter 3, 41-77. (In Japanese, *Communication and Brain Science*.) University of Tokyo Press.
- Mazuka, R., Kondo, T., & Hayashi, A. (2008). Japanese mothers' use of specialized vocabulary in infant-directed speech: Infant-directed vocabulary in Japanese. In Masataka, N. (Ed.), *Origin of Language*. Springer. Chapter 4, 39-58.
- Nakayama, M., Shirai, Y., & Mazuka, R. (2006). Introduction. In Nakayama, M., Shirai, Y., & Mazuka, R. (Eds.), *Handbook of East Asian Psycholinguistics, Volume II, Japanese*. Cambridge University Press, 1-10.
- Kondo, T., & Mazuka, R. (2006). Effects of word properties on Japanese sentence processing. In Nakayama, M., Mazuka, R., & Shirai, Y. (Eds.), *Handbook of East Asian Psycholinguistics, Volume II, Japanese*. Cambridge University Press. 226-232.
- Imai, M., & Mazuka, R. (2003). Re-evaluation of linguistic relativity: Language-specific categories and the role of universal ontological knowledge in the construal of individuation. In Gentner, D., Goldin-Meadow, S., & Kuczaj, S. (Eds.), *Language and Thought*, MIT Press: Cambridge, MA.
- Mazuka, R., Itoh, K., & Kondo, T. (2002). Cost of scrambling in Japanese sentence processing. In Nakayama, M. (Ed.), *Papers from International East Asian Psycholinguistics Workshop*, CSLI, Stanford, CA.
- Choi, Y., Mazuka, R., & Akahane-Yamada, R. (2001). Korean and Japanese children's production of English /l/ and /r/. In Nakayama, M. (Ed.), *Papers from the Workshop on Acquisition of East Asian Languages*. Kuroshio Publisher, Tokyo, Japan.
- Mazuka, R. (1999). "Kotoba to iu mado kara kokoro no sikumi o saguru" (In Japanese). (Investigate human mind through the window of language). In Sato, T. (Ed.), "*Jikken Shinrigaku*" (In

Japanese, *Introduction to Experimental Psychology*). Brain Publication, Tokyo, Japan.

- Mazuka, R. (1996). Prosodic contributions to early setting of a grammatical parameter. In Morgan, J., & Demuth, K. (Eds.), *Signal to Syntax: Bootstrapping from Speech to Grammar in Early Acquisition*. Lawrence Erlbaum.
- Mazuka, R., Lust, B., Wakayama, T., & Snyder, W. (1995). "Null subject grammar" and phrase structure in early syntax acquisition: A cross-linguistic study of Japanese and English. In Jakubowicz, C. (Ed.), *Grammaire Universelle et Acquisition du Langage. Recherches Linguistiques de Vincennes*, 24, 55-81. Presses Universitaires de Vincennes, Paris, France.
- Mazuka, R., & Itoh, K. (1995). Can Japanese speakers be lead down the garden path? In Mazuka, R., & Nagai, N. (Eds.), *Japanese Syntactic Processing*. Lawrence Erlbaum.
- Mazuka, R., & Nagai, N. (1995). Japanese syntactic processing: An interdisciplinary approach. In Mazuka, R., & Nagai, N. (Eds.), *Japanese Syntactic Processing*. Lawrence Erlbaum.
- Mazuka, R., & Lust, B. (1994). When is an anaphor not an anaphor? In Lust, B. (Ed.), *Language Acquisition and Linguistic Theory: A Cross-Linguistic Perspective*. Lawrence Erlbaum.
- Mazuka, R., & Lust, B. (1990). On parameter setting and parsing: Predictions for acquisition. In Frazier, L., & De Villiers, J. (Eds.), *Language Processing and Language Acquisition*. Kluwer Press.

### **Selective Working Papers, Proceedings, and Technical Reports (2006 ~):**

- Jincho, N., Oishi, H. & Mazuka, R. (2012). A study with eye movements and pupil dilations. *Proceedings of The 29th Annual Meeting of the Japanese Cognitive Science Society*, 494-498.
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- Hayashi, A., & Mazuka, R. (2010). “5-11 kagetsureiji ni okeru go no kiridashi noryoku no hattatsu” (In Japanese). (Development of word segmentation in infants of 5-11 month olds). *Proceeding of the 21th Annual Conference of Japan Society of Developmental Psychology 2010*, 525.
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- Igarashi, Y., & Mazuka, R. (2008). Exaggerated prosody in infant-directed speech? Intonational phonological analysis of Japanese infant-directed speech. *Proceeding of 35th Boston University*

*Conference on Language Development (BUCLD)*, 32, Cascadilla Press, U.S.A., 177-188.

- Kitahara, M., Nishikawa, K., Igarashi, Y., Shinya, T., & Mazuka, R. (2008). “Tai nyuyoji hatsuwa ni okeru pittchi akusento no seishitsu ni tsuite. RIKEN nihongo boshi kaiwa koopasu o mochiita bunseki” (In Japanese). (Characteristics of pitch accents in infant-directed speech: An analysis of Riken Japanese Mother-Infant Conversation Corpus). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, 108(338), 133-136.
- Tajima, K., Tanaka, K., & Mazuka, R. (2008). “Hahaoya tokuyu no hanashikata ha nihongo rizumu no kakutoku ni yakudatsuka?- Tai nyuji onsei ni okeru tokusyuhaku onso no bumpu kara-” (In Japanese). (Does Japanese motherese help children acquire Japanese rhythm? –Distributional analysis of moraic phonemes in infant-directed speech–). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, SP2008-37, 99-104.
- Kondo, T., Jincho, N., Mazuka, R., & Hayashi, A. (2007). “Yomi no katei ni okeru onincho oyobi inritsu no eikyo”(In Japanese). (Influences of phonological length and prosody in silent reading). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, TL 2007-8, 41-46.
- Mazuka, R., Igarashi, Y., & Nishikawa, K. (2006). Input for learning Japanese: RIKEN Japanese Mother-Infant Conversation Corpus. *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, TL2006-16(2006-07), 11-15.
- Igarashi, Y. & Mazuka, R. (2006). “Hahaoya tokuyu no hanashikata (mazariizu) wa otona no nihongo to do chigauka” (In Japanese). (How does “motherese” differ from adult Japanese?). *Technical Report of the Institute of Electronics, Information, and Communication Engineers (IEICE Technical Report)*, NLC2006-34, SP2006-90(2006-12), 31-35.

## ■ Selective Presentations (2013 ~):

### Invited Presentation at Symposia & Colloquia (2013 ~):

- Mazuka, R. (September, 2017). Taking cross-linguistic differences seriously in infant speech perception: Acquisition of the Japanese sound system. East Asian Languages and Literature, The University of Hawaii., .
- Mazuka, R. (July, 2017). Infant-directed speech: How do you know what to say, or how to say it? Laboratoire de Sciences Cognitives et Psycholinguistique, Ecole Normale Supérieure de Paris. Paris, France.
- Mazuka, R. (April, 2017). Taking cross-linguistic differences seriously in infant speech perception: Acquisition of the Japanese sound system. Department of Psychology, University of Pennsylvania, PA.
- Mazuka, R. (February, 2017). A new direction on infant speech perception: A cross-Asian perspective. The University of Hong Kong. Hong Kong.
- Mazuka, R. (December, 2016). Getting the input right: Refining our understanding of what children hear. Distinguished Lecture, The 26th International Conference on Computational Linguistics. Osaka, Japan.

- Mazuka, R. (July, 2016). Emerging issues in global psychological research. Invited organizer of Emerging Psychologists' Symposium, 31st International Congress of Psychology. Kanagawa, Japan.
- Mazuka, R. (March, 2016). Learning to be a native listener of Japanese. University of Maryland Cognitive Sciences Colloquium. College Park, MD.
- Mazuka, R. (February, 2016). Learning to become a native listener of Japanese. The University of Hong Kong. Hong Kong.
- Mazuka, R. (February, 2016). Learning to become a native listener of Japanese. Thammasat University, Thailand.
- Mazuka, R. (November, 2015). Learning to be a native listener of Japanese. University of Rochester Department of Brain and Cognitive Sciences Colloquium. Rochester, NY.
- Martin, A., Tajima, K., & Mazuka, R. (September, 2015). Function word reduction in infant-directed Japanese International Conference on Phonetics and Phonology 2015. Tokyo, Japan.
- Mazuka, R., & Hayashi, A. (September, 2015). Prosodic forms of infant-directed vocabulary can facilitate word learning. Workshop on infant speech perception. Macquarie University, Sydney, Australia.
- Mazuka, R. (December, 2014). Learning that duration can be phonemic: Acquisition of duration-based vowel and consonant phonemic contrasts in Japanese. MARCS Wednesday Afternoon Research Colloquium, Western Sydney University, Sydney, Australia.
- Mazuka, R. (December, 2014). Optical imaging studies of Japanese lexical pitch accent acquisition. Workshop on the Role of Prosody in Language Learning: Stress, Tone and Intonation. Macquarie University, Sydney, Australia.
- Mazuka, R., Martin, A., Igarashi, Y., & Utsugi, A. (July, 2014). Infant-directed speech as a window into the dynamic nature of phonology. The 14th Conference on Laboratory Phonology, Tokyo, Japan.
- Miyazaki, M. Takahashi, H., Ishihara, H., Miyazawa, K., & Mazuka, R. (March, 2014). “Robotto o mochiita boshi intarakushon kenkyu no shintenkaï (in Japanese)”. (New direction in using robot in mother-infant interaction research) Invited discussant in the roundtable discussion, the 25th Annual Meeting for the Japan Society of Developmental Psychology, Kyoto, Japan.
- Mazuka, R. (December, 2013). Learning to become a native listener of Japanese. Invited talk at Chung-Ang University International Symposium on BK21 PLUS. Seoul, Korea.
- Mazuka, R., Sato, Y., Bion, R., Miyazawa, K., & Asai, T. (December, 2013). Learning that duration can be phonemic: Acquisition of duration-based vowel and consonant phonemic contrasts in Japanese. Invited talk at the 3rd International Conference on Phonetics and Phonology (3rd ICPP). Tokyo, Japan.
- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (December, 2013). Are phonemic length contrasts in Japanese exaggerated in infant-directed speech? Invited talk at the 3rd International Conference on Phonetics and Phonology (3rd ICPP). Tokyo, Japan.
- Mazuka, R. (September, 2013). Learning that duration can be phonemic: Acquisition of duration-based vowel and consonant phonemic contrasts in Japanese. In the Lorentz Center workshop entitled:

Modelling Meets Infant Studies in Language Acquisition, Leiden, The Netherlands.

Mazuka, R. (June, 2013). Learning that vowel duration is phonemic in Japanese: Insight from spontaneous infant-directed speech. Invited talk at the 15th Annual International Conference of the Japanese Society for Language Sciences (JLS2013), Nagasaki, Japan.

Mazuka, R. (March, 2013). Investigating human language acquisition using phonological features of Japanese. Invited talk at Microsoft Research, Seattle, WA.

### **Refereed Presentations at Professional Meetings (2013 ~):**

Choi, Y., Nam, M., Shin, M., Yamane, N., & Mazuka, R. (July, 2017). Emergence of Korean infants' ability to discriminate the three-way stop contrasts: Contributions of initial biases and nature of input. International association for the study of child language 2017. Lyon, France.

Yamane, N., Hasegawa, M., Kanato, A., Kijima, N., Okanoya, K., & Mazuka, R. (July, 2017). Human infant sensitivity to trans-species emotional vocal signals. International association for the study of child language 2017. Lyon, France.

Hirose, Y., & Mazuka, R. (March, 2017). Branching Ambiguity Resolution in Children and Adults : Interpretation of Role-ambiguous Prosodic Cues. First International Conference on Theoretical East Asian Psycholinguistics. Chinese University of Hong Kong. Hong Kong.

Antetomaso, S., Miyazawa, K., Feldman, N., Elsner, M., Hitczenko, K., & Mazuka, R. (November, 2016). Modeling phonetic category learning from natural acoustic data. The 40th Annual Boston University Conference on Language Development, Boston, MA.

Mazuka, R. (August, 2016). Building a fully annotated corpus of Infant-directed speech in Japanese. Workshop on corpus collection, (semi)automated analysis, and modeling of large-scale naturalistic language acquisition data. Cognitive Science meeting 2016. Philadelphia, PA.

Hirose, Y., & Mazuka, R. (May, 2016). Predicting compound head in preschoolers, first graders and adults. 2nd International Workshop on Children's Acquisition and Processing of Head-Final Languages (CAPHL). Humboldt University, Berlin, Germany.

Takahasi, M., Yamane, N., Fukuda, S., & Mazuka, R. (May, 2016). Assessment of separation-induced stress and stress-coping in infants via salivary biomarkers 2016 International Congress of Infant Studies. Hilton New Orleans Riverside Hotel, New Orleans, LA.

Tsuji, S., Mazuka, R., Jincho, N., & Cristia, A. (May, 2016). Social cues on screen enhance 12-month-old infants' word learning. 2016 International Congress of Infant Studies, Hilton New Orleans Riverside Hotel, New Orleans, LA.

Yamane, N., Takahasi, M., & Mazuka, R. (May, 2016). Individual differences in infant stress reactivity and stress regulation: quantitative analysis of behavioral responses and HR. 2016 International Congress of Infant Studies. New Orleans Riverside Hotel, New Orleans, LA.

Nam, M., Choi, Y., Yamane, N., Minha, S., & Mazuka, R. (May, 2016). Prolonged development of language-specific voicing boundaries: comparison of Korean and Japanese infants. 2016 International Congress of Infant Studies. New Orleans Riverside Hotel, New Orleans, LA.

Takahashi, H., Kondo, A., Konishi, T., Nishikawa, K., Nakahachi, T., Komatsu, S., Mazuka, R., & Kamio, Y. (May, 2016). Relationship of Atypical Prosodic Features to Acoustic Startle

Measures in Children with Autism Spectrum Disorders and Those with Typical Development. IMFAR 2016. Baltimore Convention Center, Baltimore, MD.

- Tsuji, S., Mazuka, R., Jincho, N., & Cristia, A. (January, 2016). On- screen social cues enhance word learning in 12-month-old infants. Budapest CEU Conference on Cognitive Development. Budapest, Hungary.
- Chen, H., Yamane, N., Rattasone, N. X., Demuth, K., & Mazuka, R. (November, 2015). Japanese infants are aware of phonemic vowel length in novel words at 18 months. The 40th Boston University Conference on Language Development, Boston University, Boston, MA.
- Nakamura, R., Miyazawa, K., Ishihara, H., Nishikawa, K., Kikuchi, H., Asada, M., & Mazuka, R. (October, 2015). Constructing the corpus of Infant-Directed Speech and Infant-Like Robot-Directed Speech. the International Conference on Human-Agent Interaction(iHAI) 2015. Daegu, Korea.
- Chen, H., Yamane, N., Rattasone, N. X., Demuth, K., & Mazuka, R. (September, 2015). The sensitivity to vowel length distinction in novel words at 18 months: Evidence from Japanese infants Workshop on infant speech perception. Macquarie University, Sydney, Australia.
- Cristia, A., Guevara Rukoz, A., Ludusan, B., Martin, A., Mazuka, R., Schatz, T., Thiolliere, R., Versteegh, M., & Dupoux, E. (June, 2015). What is child-directed speech good for? A quantitative multi-level analysis. Workshop on Infant Language Development 2015, Stockholm, Sweden.
- Nam, M., Choi, Y., Yamane, N., & Mazuka, R. (June, 2015). Discrimination of Lenis and Aspirated Stop Contrasts among Korean infants. Workshop on Infant Language Development 2015, Stockholm, Sweden.
- Kondo, A., Nishikawa, K., Konishi, T., Takahashi, H., Kamio, Y., & Mazuka, R. (May, 2015). Linguistic Aspects of Prosody Is Intact in Children with Autism Spectrum Disorders. 2015 International Meeting for Autism Research. Salt Lake City, UT.
- Kondo, A., Nishikawa, K., Konishi, T., Takahashi, H., Kamio, Y., & Mazuka, R. (May, 2015). Variability as a key feature of Autism spectrum disorders prosody. Experimental and Theoretical Advances in Prosody3. the University of Illinois at Urbana-Champaign, IL.
- Martin, A., Schatz, T., Versteegh, M., Dupoux, E., Mazuka, R., Miyazawa, K., & Cristia, A. (January, 2015). Infant-directed speech is not hyperarticulated: A comprehensive study. The 89th Annual Meeting of Linguistics Society of America, Portland, OR.
- Ludusan, B., Martin, A., Mazuka, R., Cristia, A., & Dupoux, E. (November, 2014). Pause Trumps All: A Corpus-Based Study on Prosodic Boundary Cues in Japanese Child-Directed Speech. The 39th Annual Boston University Conference on Language Development, Boston, MA.
- Martin, A., Tajima, K., & Mazuka, R. (November, 2014). Japanese mothers undo function word reduction when talking to infants. The 39th Annual Boston University Conference on Language Development, Boston, MA.
- Gonzalez-Gomez, N., Tsuji, S., Hayashi, A., Mazuka, R., & Nazzi, T. (July, 2014). Japanese-learning infants prefer “tabs” while French-learning infants prefer “bats”: Exploring crosslinguistic phonological development. International Congress for the Study of Child Language, University of Amsterdam, Amsterdam, The Netherlands.



- Hayashi, A., Tsuji, S., & Mazuka, R. (July, 2014). Emergence of Japanese infants' preference to a highly frequent, but universally disfavored phonotactic pattern. International Congress for the Study of Child Language, University of Amsterdam, Amsterdam, The Netherlands.
- Yamane, N., Johnson, K., Ruba, A., Hatano, Y., & Mazuka, R. (July, 2014). Sensitivity to emotional vocalization in infants: A cross-linguistic study with Japanese and English learning infants. International Congress for the Study of Child Language, University of Amsterdam, Amsterdam, The Netherlands.
- Tsuji, S., Mazuka, R., Cristia, A., & Fikkert, P. (November, 2013). A cross-linguistic study of the labial-coronal perceptual asymmetry: evidence from Dutch and Japanese infants. The 38th Annual Boston University Conference on Language Development, Boston, MA.
- Asai, T., Miyazawa, K., Kikuchi, H., & Mazuka, R. (September, 2013). On the possibility of language acquisition of Japanese special mora considered the frequency distribution of acoustic cues in the input. 2013 Autumn Meeting of the Acoustical Society of Japan, Toyohashi, Japan.
- Miyazawa, K., Shinya, T., Kanato, A., Kikuchi, H., & Mazuka, R. (September, 2013). Breathiness and Hearing Impression of Vowels in Infant Directed Speech - RIKEN Japanese Mother-Infant Conversation Corpus -. 2013 Autumn Meeting of the Acoustical Society of Japan, Toyohashi, Japan.
- Miyazawa, K., Miura, H., Kikuchi, H., & Mazuka, R. (September, 2013). Phoneme acquisition from infant-directed speech: A computational modeling approach. In the Lorentz Center workshop entitled: Modelling Meets Infant Studies in Language Acquisition, Leiden, The Netherlands.
- Jincho, N., & Mazuka, R. (September, 2013). Developmental change in effects of spaces on reading Japanese text. The 75th Annual Convention of the Japanese Psychological Association, Sapporo, Japan.
- Jincho, N., & Mazuka, R. (August, 2013). Inserting spaces in Japanese text affects reading speed both positively and negatively in children but only positively in adults. The 17th European Conference on Eye Movements, Lund, Sweden.
- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (August, 2013). Is the Vowel Length Contrast in Japanese Exaggerated in Infant-Directed Speech? Interspeech 2013, Lyon, France.
- Tsuji, S., Mazuka, R., Cristia, A., & Fikkert, P. (June, 2013). Language-general prelexical basis of the labial-coronal perceptual asymmetry: evidence from Dutch and Japanese. The International Child Phonology Conference 2013, Nijmegen, The Netherlands.
- Tajima, K., Tanaka, K., Martin, A., & Mazuka, R. (June, 2013). Is the mora rhythm of Japanese more strongly observed in infant-directed speech than in adult-directed speech? The 21st International Congress on Acoustics (ICA 2013), Quebec, Canada.
- Martin, A., Igarashi, Y., Jincho, N., & Mazuka, R. (April, 2013). Do mothers speak more slowly to infants? Evidence from Japanese. Society for Research in Child Development Biennial Meeting, Seattle, WA.
- Oishi, H., Jincho, N., & Mazuka, R. (March, 2013). Towards the understanding of the correspondence relationship between language-related ERP components and oscillatory activities. The 26th Annual CUNY Conference on Human Sentence Processing, Columbia, SC.