

## Shota Momma

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### Academic Positions

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| 2018-     | Lecture, University of California, San Diego, Department of Cognitive Science                        |
| 2017-2018 | Lecturer, University of California, San Diego, Department of Linguistics                             |
| 2016-     | Lecturer, University of California, San Diego, Department of Psychology                              |
| 2016-     | Postdoctoral researcher in psychology, University of California, San Diego. Advisor: Victor Ferreira |

### Education

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| 2011-2016 | Ph.D. in linguistics, University of Maryland. Advisor: Colin Phillips<br>Integrative Graduate Education and Research Traineeship (IGERT) |
| 2009-2011 | B.S in Psychology (with honors) and B.A in Linguistics, <i>magna cum laude</i> , University of Washington. Advisor: Lee Osterhout        |
| 2007-2009 | Associate of Arts, Pierce College  |

### Grants & Awards

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| 2017      | Charles A. Caramello Distinguished Dissertation Award in social science (university-wide doctoral dissertation award) \$1000.             |
| 2015-2016 | National Science Foundation # BCS-1530332, DDRI: Fast and Slow Linguistic Prediction, (co-PI with Colin Phillips and Ellen Lau) \$17,951. |

### Papers

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| Submitted | Gruberg, N. Ostrand, R., <b>Momma, S.</b> & Ferreira, S. V. <i>Syntactic entrainment: The repetition of syntactic structures in event descriptions. Under review in Journal of Memory and Language.</i> |
|           | <b>Momma, S.</b> & Buffinton, J., Slevc L. R. & Phillips, C. <i>Syntactic category constrains lexical competition in speaking. Under review in Cognition.</i>   |
|           | <b>Momma, S.</b> & Ferreira, S. V. <i>Beyond linear order: The role of argument structure in speaking.</i>  |
|           | Matchin, W. & <b>Momma, S.</b> <i>An incremental approach to syntactic islands.</i>   |

- Wittenberg, E., & **Momma, S.** *Complexity matters only when it matters: Pronominal object and event reference rapidly access different aspects of situation models.*
- 2018 **Momma, S.**, & Phillips, C. The relationship between parsing and generation. *Annual Review of Linguistics*, 4, 233-254.
- 2017 **Momma, S.**, Slevc, L. R., & Phillips, C. Unaccusativity in sentence production. *Linguistic Inquiry*, 49 (1), 181-194.
- 2016 Chow, W-Y., **Momma, S.**, Smith, C., Lau, E. & Phillips, C. Prediction as Memory Retrieval: Timing and Mechanisms. *Language, Cognition and Neuroscience*, 31, 617-627.
- 2015 Chacón, A. D., **Momma, S.**, & Phillips, C. Linguistic representations and memory architectures: The devil is in the details. *Behavioral and Brain Sciences*, 39.
- Momma, S.**, Slevc, L. R., & Phillips, C. The timing of verb planning in Japanese sentence production. *Journal of Experimental Psychology: Learning, Memory and Cognition*, 42, pp. 813-824.
- 2014 **Momma, S.**, Slevc, L. R., & Phillips, C. The timing of verb retrieval in English passive and active sentences. *Proceedings of Mental Architecture for Processing and Learning of Language 2014.*
- In prep. **Momma, S.**, Sakai, H., & Phillips, C. *Give me several hundred more milliseconds: Temporal dynamics of verb prediction in Japanese.*
- In prep. **Momma, S.**, Luo, Y., Sakai, H., & Phillips, C. *Prediction as syntactically-constrained memory retrieval: Evidence from EEG.*
- In prep. **Momma, S.**, Kraut, B., Slevc, L. R., Phillips, C. *Timing of syntactic and lexical priming reveals structure-building mechanisms in production.*
- In prep. Schuster, Z., **Momma, S.** & Lau, E. *No grammatical illusion with L2-specific memory retrieval cues in agreement processing.*
- In prep. **Momma, S.** & Ferreira, S. V. *Filling the gap in gap-filling: long-distance dependency formation in sentence production.*
- In prep. **Momma, S.** Yoshida, M. & Ferreira, S. V. *The interaction between long-distance dependencies and dative alternations in speaking.*

## Book chapter

- To appear **Momma, S.** Grammar and speaking. In Goodall, G. (Ed). *Cambridge Handbook of Experimental Syntax.*

## Conference Presentations

- 2018      Lau, S., **Momma, S.** & Ferriera V. *Learning structural alternations: What guides learners' generalization?* Poster at the 8th International Workshop on Language Production (IWLP). Recipient of the 2nd best student research award.
- Momma, S.** & Ferreira, S. V. *Filling the gap in gap-filling: Long-distance dependency formation in sentence production.* Poster at the 31st annual CUNY Conference on Human Sentence Processing, Davis, CA. March 15-17.
- 2017      Wittenberg, E., **Momma, S.**, Skipper, J. & Kaiser, E. *Complexity matters only when it matters: Pronominal object and event reference rapidly access different aspects of situation models.* Talk at the Architectures & Mechanisms for Language Processing. September 7-9.
- Momma, S.**, Bowen, Y., Ferreira, V. *Non-linear lexical planning in sentence production.* Talk at the 30th annual CUNY Conference on Human Sentence Processing, Cambridge, MA. March 30-April 1.
- Momma, S.**, Kraut, R., Slevc, L. R., Phillips, C. *Timing of syntactic and lexical priming reveals structure-building mechanisms in production.* Poster presented at the 30th annual CUNY Conference on Human Sentence Processing, Cambridge, MA. March 30-April 1.
- Schlueter, Z., **Momma, S.**, Lau, E. *No grammatical illusion with L2-specific memory retrieval cues in agreement processing.* Poster presented at the 30th annual CUNY Conference on Human Sentence Processing, Cambridge, MA. March 30-April 1.
- 2016      Schlueter, Z., **Momma, S.**, Lau, E. *Grammatical knowledge without native-like processing routines: Subject-verb agreement in Chinese L2 learners of English.* Talk at the 35th Second Language Research Forum, New York, NY. September 23-24.
- Momma, S.**, Sakai, H., Luo, Y. & Phillips, C. *Lexical predictions and the structure of semantic memory: EEG evidence from case changes.* Talk at the 29th annual CUNY Conference on Human Sentence Processing, Gainesville, FL. March 3-5.
- Momma, S.**, Slevc, L. R., & Phillips, C. *Split intransitivity modulates look-ahead effects in sentence planning.* Poster presented at the 29th annual CUNY Conference on Human Sentence Processing, Gainesville, FL. March 3-5.
- Momma, S.**, Slevc, L. R., Buffinton, J. & Phillips, C. *Similar words compete, but only when they're from the same category.* Poster presented at the 29th annual CUNY Conference on Human Sentence Processing, Gainesville, FL. March 3-5.

- Momma, S., Slevc, L. R., Buffinton, J. & Phillips, C.** *Grammatical category limits lexical selection in language production*. Talk at the 90th annual meeting of Linguistic Society of America, Washington, DC. January 7-10.
- 2015 **Momma, S., Slevc, L. R., & Phillips, C.** *A grammatically conditioned semantic interference effect in a sentence-picture interference study*. Poster presented at Architectures & Mechanisms for Language Processing 2015, Vellella, Malta. September 3-5.
- Slevc, R., & **Momma, S.** *Noisy evidence and plausibility influence structural priming*. Poster presented at Architectures & Mechanisms for Language Processing 2015, Vellella, Malta. September 3-5.
- Momma, S., Sakai, H., & Phillips, C.** *Give me several hundred more milliseconds: the temporal dynamics of verb prediction*. Talk presented at the 28th annual CUNY Conference on Human Sentence Processing, Los Angeles, CA. March 19-21.
- Momma, S., Slevc, L. R., & Phillips, C.** *The timing of verb planning in active and passive sentence production*. Poster presented at the 28th annual CUNY Conference on Human Sentence Processing, Los Angeles, CA. March 19-21.
- 2014 **Momma, S., & Phillips, C.** *Looking ahead to verbs in comprehension and production*. Poster presented at Gradient Symbolic Computation Workshop, Baltimore, MD. November 14-15.
- Momma, S., Slevc, L. R., & Phillips, C.** *The timing of verb retrieval in English passive and active sentences*. Talk at Mental Architecture for Processing and Learning of Language, Tokyo, Japan. August 12-13.
- Momma, S., Slevc, L. R., & Phillips, C.** *The effect of syntactic category on advance planning in sentence production*. Poster presented at the 27th annual CUNY Conference on Human Sentence Processing, Columbus, OH. March 13-15.
- 2013 **Momma, S., Slevc, L. R., & Phillips, C.** *Advance selection of verbs in head-final language production*. Poster presented at the 26th annual CUNY Conference on Human Sentence Processing, Columbia, SC. March 21-23.

## Invited Talks

- 2018 *Aligning parsing and generation*. Massachusetts Institute of Technology.
- Aligning parsing and generation*. McGill University.
- Aligning parsing and generation*. Brown University.

- 2017 *Aligning parsing and generation.* Stanford University.  
*Aligning parsing and generation.* University of California, Santa Cruz.
- 2016 *Are head-final languages really awful?* Tohoku University seminar in psycholinguistics.  
*Are head-final languages really awful?* MiCS (Michinoku Communication Science Seminar) at Tohoku University.  
*Aligning generation and parsing.* The international workshop on language production, La Jolla, California. July 27.  
*Are head-final languages awful?* Sprocet (sentence processing lab meeting at Northwestern University), Evanston, Illinois. March 10.  
*Fast and Slow Linguistic Prediction.* Masaya Yoshida's lab meeting at Northwestern University, Evanston, Illinois. March 9.
- 2015 *Fast and Slow Linguistic Prediction.* Waseda University 1st BLIT Colloquium, Tokyo, Japan. July 28.
- 2014 *Incrementality and Advance Planning in Sentence Production.* Hiroshima University 91st Kagamiyama Language Science Colloquium, Hiroshima, Japan. July 17.

## Teaching Experience

### Courses

- Fall 2019 Instructor, COG 101C, Language (~200 students), University of California, San Diego. Full responsibility for the course.
- Fall 2019 Instructor, PSYC145, Psychology of Language (~70 students), University of California, San Diego. Full responsibility for the course.
- Spr. 2018 Instructor, LING240, Research Method (graduate level , 6 students). University of California, San Diego.
- Spr. 2018 Instructor, LING170, Psycholinguistics (~ 50 students). University of California, San Diego.
- Fall 2017 Instructor, LING221, Introduction to syntactic theory (graduate level, ~15 students), University of California, San Diego. Full responsibility for the course.
- Fall 2017 Instructor, PSYC145, Psychology of Language (~100 students), University of California, San Diego. Full responsibility for the course.
- Fall 2016 Instructor, PSYC145, Psychology of Language (~60 students), University of California, San Diego. Full responsibility for the course.

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| Fall 2014 | Instructor, LING449D, Undergraduate seminar: Grammatical processes in speaking (~10 students), University of Maryland. Full responsibility for the course. |
| Fall 2013 | Teaching Assistant, LING200, Introductory linguistics, University of Maryland. Taught a section of ~30 students, did grading and office hours.             |
| Fall 2012 | Teaching Assistant, LING200, Introductory linguistics, University of Maryland. Taught a section of ~30 students, did grading and office hours.             |

### **Students Mentored**

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| 2018-current | Selen Iskenderoglu, University of California, San Diego   |
| 2018-current | Seyedeh Shariatipour, University of California, San Diego   |
| 2018-current | Stephanie Ngo, University of California, San Diego  |
| 2017-current | Connie Kim, University of California, San Diego   |
| 2016-current | Michelle Fung, University of California, San Diego  |
| 2016-current | Jairo Rodrigues-torres, University of California, San Diego   |
| 2016-2017    | Yashna Bowen, University of California, San Diego   |
| 2014-2017    | John Mathena, University of Maryland.   |
| 2015-2017    | Rebecca Kraut, University of Maryland.  |
| 2014-2015    | Shweta Roy, Eleanor Roosevelt High School, Greenbelt, MD: advised her project on speech word production, which won second prize at the district science fair. |

### **Professional Services**

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| 2014 | Co-chair of the committee for Winter Storm 2014 (two-week intensive interdisciplinary workshop on language science) |
| 2013 | Member of the committee for Winter Storm 2013 (two-week intensive interdisciplinary workshop on language science)   |
| 2013 | Co-chair of the committee for Mayfest 2013 (two-day workshop on predictive language processing)                     |
| 2012 | Member of the committee for Mayfest 2012 (two-day workshop on computational psycholinguistics)                      |

### **Ad Hoc Reviewer**

Frontiers in Psychology; Journal of Cognition; Journal of Memory and Language; Journal of Neurolinguistics; PLoSone, Linguistics in Netherland, Proceedings of the National Academy of Sciences

### **Technical Skills**

Proficient in programming (MATLAB, Python, R)

Proficient in statistical analysis using R

Proficient in psychological experimental software (Psychopy, PsychToolBox (MATLAB))

Proficient in Event Related Potential (ERP) techniques for Electroencephalography (EEG) data.

Experience in setting up EEG system

## **Language Background**

Japanese (Native); English (proficient)

## **Collaborators**

Julia Buffinton	University of Maryland (Linguistics)
Julie Fadlon	University of California, San Diego (Psychology)
Victor Ferreira	University of California, San Diego (Psychology)
Iva Ivanona	University of Texas at El Paso (Psychology)
Alix Kowalski	University of Maryland (Hearing & Speech Sciences)
Ellen Lau	University of Maryland (Linguistics)
William Matchin	University of California, San Diego (Linguistics)
Naho Orita	Tohoku Univesrity (Information Science)
Colin Phillips	University of Maryland (Linguistics)
Hiromu Sakai	Waseda University/Hiroshima University
Zoe Schlueter	University of Maryland (Linguistics)
L. Robert Slevc	University of Maryland (Psychology)
Eva Wittenberg	University of California, San Diego (Linguistics)
Masaya Yoshida	Northwestern University (Linguistics)
Andrea Zukowki	University of Maryland (Linguistics)

Last updated: 9/23/2018