

## Shota Momma

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### Academic Positions

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| 2016  | Lecturer, University of California, San Diego.                                                       |
| 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 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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| 2017 | <b>Momma, S.</b> , Slevc, L. R., & Phillips, C. Unaccusativity in sentence production. <i>Linguistic Inquiry</i> . Waiting assignment to an issue.<br><b>Momma, S.</b> , & Phillips, C. The relationship between parsing and generation. <i>Annual Review of Linguistics</i> .                                                                                                                                                                                      |
| 2016 | Chow, W-Y., <b>Momma, S.</b> , Smith, C., Lau, E. & Phillips, C. Prediction as Memory Retrieval: Timing and Mechanisms. <i>Language, Cognition and Neuroscience</i> . Waiting assignment to an issue.                                                                                                                                                                                                                                                               |
| 2015 | Chacón, A. D., <b>Momma, S.</b> , & Phillips, C. Linguistic representations and memory architectures: The devil is in the details. <i>Behavioral and Brain Sciences</i> (commentary on target article by Christiansen & Chater). Waiting assignment to an issue.<br><b>Momma, S.</b> , Slevc, L. R., & Phillips, C. The timing of verb planning in Japanese sentence production. <i>Journal of Experimental Psychology: Learning, Memory and Cognition</i> , 41, 6. |

- 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.**, Slevc, L. R., Buffinton, J. & Phillips, C. Grammatical category limits lexical selection in language production.
- In prep.      **Momma, S.**, Luo, Y., Sakai, H., & Phillips, C. Prediction as syntactically-constrained memory retrieval: Evidence from EEG.
- In prep.      **Momma, S.** & Ferreira, V. Non-linear lexical planning in sentence production.
- In prep.      **Momma, S.**, Kraut, B., Slevc., L. R., Phillips, C. Timing of syntactic and lexical priming reveals structure-building mechanisms in production.

## Conference Presentations

- 2017      Wittenberg, E., **Momma, S.**, Skipper, J. & Kaiser, E. (2017). Complexity matters only when it matters: Pronominal object and event reference rapidly access different aspects of situation models. Talk to be given at the Architectures & Mechanisms for Language Processing 2017.
- Momma, S.**, Bowen, Y., Ferreira, V. (2017). *Non-linear lexical planning in sentence production*. Talk given 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. (2017). *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. (2017). *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. (2016). *Grammatical knowledge without native-like processing routines: Subject-verb agreement in Chinese L2 learners of English*. Talk given 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 given 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 given 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 given 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

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

## Teaching Experience

### Courses

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|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fall 2016 | Instructor, PSYC145, Psychology of Language (~60 students), University of California, San Diego. Full responsibility for the course.                       |
| 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

- 2014-current John Mathena, University of Maryland.
- 2015-current 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**

- 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 Neurolinguistics

### **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**

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|-----------------|----------------------------------------------------|
| Julia Buffinton | University of Maryland (Linguistics)               |
| Julie Fadlon    | University of California, San Diego (Psychology)   |
| Alix Kowalski   | University of Maryland (Hearing & Speech Sciences) |
| Takuya Kubo     | Hiroshima University                               |
| Ellen Lau       | University of Maryland (Linguistics)               |
| Yingyi Luo      | Hiroshima University                               |

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)
Victor Ferreira	University of California, San Diego (Psychology)
Eva Wittenberg	University of California, San Diego (Linguistics)
Andrea Zukowki	University of Maryland (Linguistics)

Last updated: 6/15/2017