

## Shota Momma

Department of Linguistics  
University of Massachusetts, Amherst  
N454 Integrative Learning Center  
650 North Pleasant Street  
Amherst, MA 01003  
Website: <https://blogs.umass.edu/snegishi/>  
Email: [snegishi@umass.edu](mailto:snegishi@umass.edu)

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### Academic Positions

- 2019- Assistant professor, University of Massachusetts, Amherst, Department of Linguistics
- 2017-2019 Lecturer, University of California, San Diego, Department of Linguistics
- 2018 Lecturer, University of California, San Diego, Department of Cognitive Science
- 2016-2019 Lecturer, University of California, San Diego, Department of Psychology
- 2016-current Postdoctoral researcher in psychology, University of California, San Diego. Advisor: Victor Ferreira

### Education

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

### Grants & Awards

- 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.

### Journal Articles

- 2020 **Momma, S.**, Slevc, L. R., Buffinton, J., Phillips, C. (2020). Syntactic category constrains lexical competition in speaking. *Cognition*, 197, 104183.
- 2019 **Momma, S.**, & Ferreira, V. S. (2019). Beyond linear order: The role of argument structure in speaking. *Cognitive psychology*, 114, 101228.

- Gruberg, N. Ostrand, R., **Momma, S.** & Ferreira, S. V. (2019). Syntactic entrainment: The repetition of syntactic structures in event descriptions. *Journal of Memory and Language*, 107, 216-232.
- 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. e68.
- 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, 813-824.
- 2014 **Momma, S.**, Slevc, L. R., & Phillips, C. The timing of verb selection in english active and passive sentences. *IEICE technical report*, 114 (176), 139-143.

### Papers in edited volumes

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

### Manuscripts

- In prep. **Momma, S.**, Sakai, H., & Phillips, C. *Give me several hundred more milliseconds: Temporal dynamics of verb prediction in Japanese*. Abstract available here: [https://shotam.github.io/Abstracts/CUNY2015\\_final.pdf](https://shotam.github.io/Abstracts/CUNY2015_final.pdf)
- Momma, S.**, Luo, Y., Sakai, H., & Phillips, C. *Prediction as syntactically-constrained memory retrieval: Evidence from EEG*. Abstract available here: [https://shotam.github.io/Abstracts/CUNY2017\\_unace\\_final.pdf](https://shotam.github.io/Abstracts/CUNY2017_unace_final.pdf)
- Momma, S.**, Kraut, B., Slevc., L. R., Phillips, C. *Timing of syntactic and lexical priming reveals structure-building mechanisms in production*. Abstract available here: [https://shotam.github.io/Abstracts/CUNY2017\\_prime\\_final.pdf](https://shotam.github.io/Abstracts/CUNY2017_prime_final.pdf)
- Momma, S.** & Ferreira, S. V. *Filling the gap in gap-filling: long-distance dependency formation in sentence production*. Abstract available here: [https://shotam.github.io/Abstracts/CUNY2018\\_final.pdf](https://shotam.github.io/Abstracts/CUNY2018_final.pdf)

**Momma, S.** Yoshida, M. & Ferreira, S. V. *The interaction between long-distance dependencies and dative alternations in speaking*. Abstract available here: [https://shotam.github.io/Abstracts/CUNY2019\\_final.pdf](https://shotam.github.io/Abstracts/CUNY2019_final.pdf)

Matchin, W. & **Momma, S.** *An incremental approach to syntactic islands*. Manuscript available upon request.

Schulter, Z., **Momma, S.** & Lau, E. *No grammatical illusion with L2-specific memory retrieval cues in agreement processing*. Manuscript available upon request.

Wittenberg, E., **Momma, S.** & Kaiser, E. *Complexity matters only when it matters: Pronominal object and event reference rapidly access different aspects of situation models*. Manuscript available upon request.

## Conference Presentations

- 2020 **Momma, S.**, Wilson, M. & Ferreira, V. *Syntax guides verb planning in sentence production*. Talk to be given at the 33rd annual CUNY conference on human sentence processing. Amherst, MA, March 19-21.
- Momma, S.**, & Wilson, M. *What does that tell us about language production?*. Poster to be presented at the 33rd annual CUNY conference on human sentence processing. Amherst, MA, March 19-21.
- 2019 **Momma, S.**, Yoshida, M. & Ferreira, V. *Structure before content: long-long-distance dependency in sentence production*. Talk given at the 32nd annual CUNY conference on human sentence processing. Boulder, CO, March 29-31. 6.67% acceptance rate for spoken presentations.
- 2018 **Momma, S.** & Ferriera, V. *Filling the gap in gap filling*. Talk at the 2nd California Meeting on Psycholinguistics. Los Angeles, CA. December 1-2.
- Lau, S., **Momma, S.** & Ferriera, V. *Learning structural alternations: What guides learners' generalization?* Poster at the 8th International Workshop on Language Production (IWLP). Nimegen, Netherlands. July 2-4. Recipient of the 2nd best student research award (€100 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 Rodrigues-torres, J., Fung, M., Ferreira, V. & **Momma, S.** *Limits of incrementality in sentence production*. Talk at the 1st California Meeting on Psycholinguistics, Los Angeles, CA. December 2-3.
- 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. 10.02% acceptance rate for spoken presentations.

**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, Velletra, Malta. September 3-5.

Slevc, R., & **Momma, S.** *Noisy evidence and plausibility influence structural priming.* Poster presented at Architectures & Mechanisms for Language Processing 2015, Velletra, 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**

2020 *Unifying parsing and generation.* Talk to be given at New York University, Department of Linguistics.

2019 *Unifying parsing and generation.* Talk at the University of California, Irvine, Department of Language Science.

*Unifying parsing and generation.* Talk at the the Institute for Advanced Study (IUSS) in Pavia, Italy.

*Unifying parsing and generation.* Talk at the University of Delaware, Department of Linguistics and Cognitive Sciences.

*Unifying parsing and generation.* Talk at the University of Toronto, Department of Linguistics.

- Unifying parsing and generation.* Talk at the University of Massachusetts, Amherst, Department of Linguistics.
- Unifying parsing and generation.* Talk at Cornell University, Department of Linguistics.
- 2018 *Aligning parsing and generation.* Talk at Massachusetts Institute of Technology, Department of Linguistics.
- Aligning parsing and generation.* Talk at the McGill University, Department of Linguistics.
- Aligning parsing and generation.* Talk at Brown University, Department of Cognitive, Linguistic, and Psychological Sciences.
- 2017 *Aligning parsing and generation.* Talk at the Stanford University, Department of Linguistics.
- Aligning parsing and generation.* Talk at the University of California, Santa Cruz, Department of Linguistics.
- 2016 *Are head-final languages really awful?* Talk at Tohoku University seminar in psycholinguistics.
- Are head-final languages really awful?* Talk at the Tohoku University MiCS (Michinoku Communication Science Seminar).
- Aligning generation and parsing.* Talk at the international workshop on language production, La Jolla, California. July 27.
- Are head-final languages awful?* Talk at the Northwestern University Sproct (sentence processing lab meeting)
- Fast and Slow Linguistic Prediction.* Talk at Masaya Yoshida's lab meeting at Northwestern University, Evanston, Illinois. March 9.
- 2015 *Fast and Slow Linguistic Prediction.* Talk at Waseda University 1st BLIT Colloquium, Tokyo, Japan. July 28.
- 2014 *Incrementality and Advance Planning in Sentence Production.* Talk at Hiroshima University 91st Kagamiyama Language Science Colloquium. July 17.

## Teaching Experience

### Graduate-level

- Spr. 2018 Instructor, LING240, Research Method (graduate level, 6 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.

### **Undergraduate-level**

Spr. 2019 Instructor, LIGN 121, Syntax (~90 students), University of California, San Diego. Full responsibility for the course.

Fall 2019 Instructor, COG 101C, Language (~240 students), University of California, San Diego. Full responsibility for the course.

Fall 2019 Instructor, PSYC145, Psychology of Language (~75 students), University of California, San Diego. Full responsibility for the course.

Spr. 2018 Instructor, LING170, Psycholinguistics (~50 students). University of California, San Diego.

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.

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**

2018-current Jiayi Wang, University of California, San Diego

2018-current Amanda Allaf, University of California, San Diego

2018-current Mari Kugemoto, International Christian University

2018-current Angie Wang, University of California, San Diego

2018-current Selen Iskenderoglu, University of California, San Diego

2018 Seyedeh Shariatipour, University of California, San Diego

2018 Stephanie Ngo, University of California, San Diego

2016-current Michelle Fung, University of California, San Diego

2016-2017 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**

- 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)

## **Reviewing**

### **Journal**

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; Journal of Experimental Psychology: Learning, Memory and Cognition; Second Language Research, Glossa

### **Conference**

CUNY human sentence processing conference

## **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 an EEG system

## **Language Background**

Japanese (Native); English (proficient)

Last updated: 2/20/2020