

SONGHEE KIM, PH.D.

Medical College of Wisconsin
Department of Neurology
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EDUCATION

2013 - 2019	Ph.D. in Linguistics (Advisor: Liina Pykkänen) • Thesis title: <i>Neural Bases of Semantic Composition in the Verb Phrase</i>	New York University
2011	M.A. in Linguistics (Advisor: Seungho Nam)	Seoul National University
2008	B.S. in Biological Sciences, B.A. in Linguistics	Seoul National University

ACADEMIC POSITIONS

2019.10-Present	Postdoctoral Fellow at Medical College of Wisconsin, Department of Neurology (Supervisor: Dr. Jeffrey R. Binder)
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Current Projects

- EEG investigation into English NPI illusion effect
- fMRI investigation into verb meaning using multivariate pattern analysis: expanding the current ‘experiential’ approach to verb semantics by encoding event semantics into the model.
- The EEGManyPipelines project (<https://eegmanypipelines.org/>)

CERTIFICATE

Preparing Future Faculty: The art & Craft of Teaching	New York University GSAS
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HONORS AND AWARDS

2018-2019	“Doctoral Dissertation Research: Neural Bases of Semantic Composition in the Verb Phrase.” NSF DDRI Award BCS-1823913. Amount: \$18,117. Co-PI. (PI: Liina Pykkänen)
2013-2018	MacCracken Fellowship, New York University
2011	Global Ph.D. Fellowship. National Research Foundation in Korea
2008-2010	Graduate Student Instructor Fellowship, Seoul National University
2009	TA Fellowship, Seoul National University
2006	The Lotte Foundation Scholarship

INVITED TALKS

- 2021.12 *Structural and conceptual composition in the brain: the case of verb-argument composition*, SWELL 2021 workshop, Seoul National University.
- 2021.6 *Unpacking composition*, Leipzig Lectures on Language (LLL), Max Planck Institute for Human Cognitive & Brain Sciences Leipzig. (with Liina Pyllkkänen)
- 2020 *Neural underpinnings of basic combinatorial semantics: evidence from MEG*, Linguistics Colloquium Series, Seoul National University.

MANUSCRIPTS IN PREPARATION

- Kim, Songhee**, Jeffrey R. Binder, Jiaqing Tong, Stephen Mazurchuk, Joseph Heffernan, and Lisa L. Conant. *Neural and Experiential Semantic Correlates of the Unergative-Unaccusative Verb Distinction: fMRI evidence*.
- Wang, Shaonan, **Songhee Kim**, Jeffrey R. Binder, and Liina Pyllkkänen. Unlocking the complexity of phrasal composition: an interplay between semantic features and linguistic relations.
- Kim, S.**, Youssof Zadeh, V., Binder, J. How composition of unexpected meaning unfolds in the brain: MEG study.
- Kim, S.**, & Pyllkkänen, L. Semantic composition in the LATL might be blind to syntactic constituency structure.

PUBLICATIONS

- Kim, S.**, Conant, L., Binder, J. (submitted). *Decomposing unaccusativity: a computational modelling approach*.
- Kim, S.**, & Pyllkkänen, L. (2021). How the conceptual specificity of individual words affects incremental sentence composition: MEG evidence. *Brain and Language*, 218, <https://doi.org/10.1016/j.bandl.2021.104951>
- Kim, S.**, & Pyllkkänen, L. (2019). Composition of event concepts: Evidence for distinct roles for the left and right anterior temporal lobes. *Brain and Language*, 188, 18-27. <https://doi.org/10.1016/j.bandl.2018.11.003>
- Mun, Sue-Hyun, **Kim, Songhee**, Lee, Chungmin (2012). On the event structure and semantic representation of a record verb: the case of ‘CD-lul kwup-ta (to burn a CD)’. *Discourse and Cognition* 19:3.
- Kim, Songhee** (2012). L-Scalarity Plays a Role in Locative Alternation: A Case from Korean. *Harvard Studies in Korean Linguistics* Vol XIV. S. Kuno et al. (eds). Cambridge: Harvard University Press.

CONFERENCE PRESENTATIONS

- 2023 **Kim, Songhee**, Jeffrey R. Binder, Jiaqing Tong, Stephen Mazurchuk, Joseph Heffernan, and Lisa L. Conant. *Neural and Experiential Semantic Correlates of the Unergative-Unaccusative Verb Distinction*, poster presented at Society for Neuroscience of Language 2023, Marseille, France.
- 2023 **Kim, Songhee**, Jeffrey R. Binder, and Lisa L. Conant. *Decomposing Unaccusativity: a computational approach*, poster virtually presented at Human Sentence Processing, University of Pittsburg, United States.

- 2022 **Kim, Songhee**, Vahab Youssof Zadeh, and Jeffrey R. Binder. *How composition of unexpected meaning unfolds in the brain*, poster presented at Cognitive Neuroscience Society 2022, San Francisco, United States.
- 2020 **Kim, Songhee** and Liina Pylkkänen. *Is semantic composition in the left anterior temporal lobe blind to syntax?*, poster to be presented at CUNY Human Sentence Processing Conference, UMass Amherst, United States.
- 2019 **Kim, Songhee** and Liina Pylkkänen. *Processing of oriented-adverbs in sentence composition*, datablitz talk at Neuroscience of Language Conference, NYU Abu Dhabi 2019, Abu Dhabi, United Arab Emirates.
- 2019 **Kim, Songhee** and Liina Pylkkänen. The incremental effect of conceptual specificity in minimal sentence composition: MEG evidence, poster at CNS 2019, San Francisco, California, United States.
- 2019 **Kim, Songhee** and Liina Pylkkänen. Neural correlates of verb phrase composition: Evidence from MEG, talk at LSA 2019, New York.
- 2018 **Kim, Songhee** and Liina Pylkkänen. The incremental effect of conceptual specificity in subjects, verbs and objects: MEG evidence, poster presented at CUNY 2018, Sacramento, California, United States.
- 2017 **Kim, Songhee** and Liina Pylkkänen. Quick and easy composition of event concepts in the left (but not the right) anterior temporal lobe, poster presented at Society of Neurobiology of Language, Baltimore, United States.
- 2016 **Kim, Songhee** and Liina Pylkkänen. Adverbial composition in the left anterior temporal lobe, a poster presented at Mid-Atlantic Colloquium of Studies in Meaning, CUNY Graduate Center, New York, United States.
- 2015 **Kim, Songhee**. Korean *tul* as a loosened distributivity marker, a poster presented at Mid-Atlantic Colloquium of Studies in Meaning, University of Delaware.
- 2011 **Kim, Songhee**. *Scalarity Plays a Role in Locative Alternation: A Case from Korean*. Harvard International Symposium On Korean Linguistics (HISOKL). Harvard University, United States.
- 2010 **Kim, Songhee**. *The Semantics of Swarm Alternation in Korean*. Seoul International Conference On Linguistics (SICOLI), Korea.
- 2010 Mun, Sue-Hyun, **Songhee Kim**, and Chungmin Lee. *On the lexical representation of 'kup- (bake)' as a record verb and its co-composition: the case of 'CD-lul kup-ta (burn a CD)'*. LSK & KASELL 2010 Winter International Conference on Linguistics (WICL 2010).

ADHOC REVIEWER

Brain structure and Function, Journal of Cognitive Neuroscience, Cerebral Cortex

TEACHING EXPERIENCE

Teaching Assistant

2018 Language and Mind, New York University (instructor: Ailis Cournane, Brian McElree)

2018 Language, New York University (instructor: Hadas Kotek)

2016 Language, New York University (instructor: Lucas Champollion)
2009 Language in the Mind, Seoul National University (instructor: Seungho Nam)
2009 Semantics, Seoul National University (instructor: Seungho Nam)

COMMUNITY SERVICE

2020 Volunteer for Electric Brain exhibit at BrainExpo, Milwaukee.
2018 Conference organizer of MACSIM 8
2017-18 Co-leader of an international student group at GFM Intervarsity at NYU (with Yining Nie)
2018 student volunteer at CNS meeting of 2018
2015 Student organizer for the Music/Language Connection workshop
2011 Organizing Assistant for JK 21 Conference
2010 Linguistics Mentor for undergraduate students, Seoul National University

SKILLS

Programming languages: Python, R, MATLAB.
Experiment: MEG, EEG, fMRI, Amazon Mechanical Turk, MNE-Python, Brainstorm, fieldtrip.