

## Liina Pylkkänen, Ph.D.

Professor of Linguistics and Psychology

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| <b>EDUCATION</b> | 1997 - 2002 | Ph.D., Massachusetts Institute of Technology, Linguistics               |
|                  | 1995 - 1997 | M.A., University of Pittsburgh, Linguistics                             |
|                  | 1994 - 1995 | Undergraduate exchange student, University of Pittsburgh                |
|                  | 1992 - 1994 | Candidate for M.A. in English Philology, University of Tampere, Finland |

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| <b>POSITIONS</b> | 2016 – present | Professor, Departments of Linguistics and Psychology, NYU  |
|                  | 2010 - 2016    | Associate Professor, Departments of Linguistics and Psychology, NYU  |
|                  | 2004 - 2010    | Assistant Professor, Departments of Linguistics and Psychology, NYU  |
|                  | 2009 - present | Affiliate Faculty, NYU Abu Dhabi   |
|                  | 2003 - 2004    | Postdoctoral Fellow, Department of Psychology, New York University & Department of Physiology and Neuroscience, New York University School of Medicine |
|                  | 2002 - 2003    | Postdoctoral Fellow, Department of Linguistics, New York University  |

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| <b>HONORS</b> | Spring 2005 | Invitation to be a Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford, Palo Alto, CA |
|               | Fall 2000   | Provost's Fellowship, Massachusetts Institute of Technology  |
|               | Fall 1999   | Henry B. Roger's Fellowship, Massachusetts Institute of Technology   |

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|-----------------|------------------------------------|--|
| <b>RESEARCH</b> | Cognitive neuroscience of language | neural bases of syntactic and semantic composition, morphological processing, lexical access, magnetoencephalography |
|                 | Theoretical linguistics            | syntax-semantics interface, argument structure, event semantics, aspect  |

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| <b>GRANTS</b> | 2017 - 2023 | "Neuroscience of Language Lab at NYU Abu Dhabi". Award from the NYU Abu Dhabi Research. Amount awarded: \$4,941,082. PI.   |
|               | 2012-2017   | "The Computations of the Composing Brain: Cross-modal Generality and Computational Specificity". NSF Award BCS-1221723. Amount awarded: \$444,976. PI.   |
|               | 2010-2017   | "Neuroscience of Language Lab at NYU Abu Dhabi". Award from the NYU Abu Dhabi Research Council to establish a magnetoencephalography laboratory for neurolinguistic research at NYU Abu Dhabi. Amount awarded: \$9,143,423. Co-PI. |

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| 2009-2010 | “Neural Mechanisms in Combinatoric Semantics”. Whitehead Fellowship for Junior Faculty in Biomedical and Biological Sciences. Amount awarded: \$24,600. PI. |
| 2009-2010 | “Neural Bases of Semantic Interpretation”. NSF ADVANCE Research Challenge Grant. Amount awarded: \$10,000. PI.  |
| 2006-2010 | “Neural Bases of Semantic Interpretation”. NSF Award BCS-0545186. Amount awarded: \$400,000. PI.  |
| 2006-2007 | “Neural Bases of Semantic Interpretation”. University Research Challenge Fund Award, New York University. Amount awarded: \$20,000. PI.                     |

**PUBLICATIONS**

BOOK Pylkkänen, L. (2008). *Introducing Arguments*. Cambridge, MA: MIT Press.

JOURNAL ARTICLES **Submitted** (\* = equal contribution):

1. Kim, S., & Pylkkänen, L. (submitted). Composition of event concepts: Evidence for distinct roles for the left and right anterior temporal lobes.
2. Blanco-Elorrieta, E., Emmorey, K., & Pylkkänen, L. (submitted). Decomposing language switching: MEG evidence from bimodal bilinguals.
3. Zhang, L., Pylkkänen, L. (submitted). Semantic composition of sentences word by word: MEG evidence for shared processing of conceptual and logical elements.
4. Sharpe, V.\*, Reddigari, R\*, Pylkkänen, L., Marantz, A. (submitted). Automatic access to verb continuations on the lexical and categorical levels: Evidence from MEG.

**Published / In press**

5. Flick, G.\*, Oseki, Y.\*, Kaczmarek, A., Al Kaabi, M., Marantz, A., & Pylkkänen, L. (in press). Building words and phrases in the left temporal lobe. *Cortex* (\*denotes equal contribution).
6. Zhang, L. & Pylkkänen, L. (2018). Composing lexical vs. functional adjectives in the left temporal lobe: Evidence for uniformity. *Psychonomic Bulletin and Review* doi.org/10.3758/s13423-018-1469-y.
7. Blanco-Elorrieta, E., Kastner, I., Emmorey, K. & Pylkkänen, L. (2018). Shared neural correlates for building phrases in signed and spoken language. *Scientific Reports*. doi:10.1038/s41598-018-23915-0.
8. Blanco-Elorrieta, E., Ferreira, V. S., Del Prato, P., & Pylkkänen, L. (2018). The priming of basic combinatory responses in MEG. *Cognition*, 170, 49-63.
9. Blanco-Elorrieta, E., & Pylkkänen, L. (2017). Bilingual Language Switching in the Laboratory versus in the Wild: The Spatiotemporal Dynamics of Adaptive Language Control. *Journal of Neuroscience*, 37(37), 9022-9036.
10. Williams, A., Reddigari, S., & Pylkkänen, L. (2017). Early sensitivity of left perisylvian cortex to relationality in nouns and verbs. *Neuropsychologia*, 100, 131-143.
11. Brodbeck, C. & Pylkkänen, L. (2017). Language in context: Characterizing the comprehension of referential expressions with MEG. *NeuroImage*, 147, 447-460.
12. Brodbeck, C., Gwilliams, L. & Pylkkänen, L. (2016). Language in Context: MEG Evidence for Modality-General and -Specific Responses to Reference Resolution. *eNeuro*, 3(6) e0145-16.2016.
13. Brennan, J. & Pylkkänen, L. (2016). MEG evidence for incremental sentence composition in the anterior temporal lobe. *Cognitive Science*. doi:10.1111/cogs.12445.
14. Poortman, E. B., & Pylkkänen, L. (2016). Adjective conjunction as a window into the LATL's contribution to conceptual combination. *Brain and Language*, 160, 50-60.
15. Ziegler, J. & Pylkkänen, L. (2016). Scalar adjectives and the temporal unfolding of semantic composition. *Neuropsychologia*, 89, 161-171.

16. Blanco-Elorrieta, E., & Pykkänen, L. (2016). Bilingual language control in perception vs. action: MEG reveals reactive control mechanisms in anterior cingulate cortex and domain-general proactive control in dorsolateral prefrontal cortex. *Journal of Neuroscience*, 36(2), 290-301.
17. Blanco Elorrieta, E. & Pykkänen, L. (2016). Composition of complex numbers: Delineating the computational role of the left anterior temporal lobe. *NeuroImage*, 124, 194-203.
18. Brodbeck, C., Gwilliams, L., & Pykkänen, L. (2015). EEG can track the time course of successful reference resolution in small visual worlds. *Frontiers in Psychology*, 6. doi:10.3389/fpsyg.2015.01787.
19. Leiken, K., McElree, B., & Pykkänen, L. (2015). Filling predictable and unpredictable gaps, with and without similarity-based interference: Evidence for LIFG effects of dependency processing. *Frontiers in Psychology*, 6. doi:10.3389/fpsyg.2015.01739.
20. Zhang, L., Pykkänen, L. (2015). The interplay of composition and concept specificity in the left anterior temporal lobe: An MEG study. *NeuroImage*, 111, 228-240.
21. Blanco Elorrieta, E. & Pykkänen, L. (2015). Brain bases of language selection: MEG evidence from Arabic-English bilingual language production. *Frontiers in Human Neuroscience*. | doi: 10.3389/fnhum.2015.00027
22. Westerlund, M., Kastner, I., Al Kaabi, M., & Pykkänen, L. (2015). The LATL as locus of composition: MEG evidence from English and Arabic. *Brain and Language*, 141, 124 - 134.
23. Leffel, T., Lauter, M., Westerlund, M., & Pykkänen, L. (2014). Restrictive vs. non-restrictive composition: a magnetoencephalography study. *Language, Cognition and Neuroscience*, 29, 1191-1204.
24. Pykkänen, L., Bemis, D.K., & Blanco Elorrieta (2014). Simple composition during language production in MEG. *Cognition*, 133, 371-384.
25. Del Prato, P., & Pykkänen, L. (2014). MEG evidence for conceptual combination but not numeral quantification in the left anterior temporal lobe during language production. *Frontiers in Psychology*, 5, 524.
26. Westerlund, M., & Pykkänen, L. (2014). The role of the left anterior lobe in semantic composition vs. semantic memory. *Neuropsychologia*. 57, 59–70.
27. Leiken, K., & Pykkänen, L. (2014). MEG evidence that the LIFG effect of object extraction requires similarity-based interference. *Language, Cognition and Neuroscience*, 29(3), 381-389.
28. Linzen, T., Marantz, A. & Pykkänen, L. (2013). Syntactic context effects in visual word recognition: An MEG study. *The Mental Lexicon*, 8(2), 117-139.
29. Bemis, D.K. & Pykkänen, L. (2013). Flexible composition: MEG evidence for the deployment of basic combinatorial linguistic mechanisms in response to task demands. *PLoS ONE*, 8(9), e73949. doi:10.1371/journal.pone.0073949
30. Bemis, D.K. & Pykkänen, L. (2013). Combination across domains: An MEG investigation into the relationship between mathematical, pictorial, and linguistic processing. *Frontiers in Psychology*, 3, 583. doi: 10.3389/fpsyg.2012.00583.
31. Poeppel, D., Emmorey, K., Hickok, G., & Pykkänen, L. (2012). Towards a new neurobiology of language. *Journal of Neuroscience*, 32(41), 14125-31.
32. Rabagliati H, Pykkänen L, Marcus GF. (2012). Topdown influence in young children's linguistic ambiguity resolution. *Developmental psychology*, 49, 1076.
33. Dikker, S. & Pykkänen, L. (2012). Predicting language: MEG evidence for lexical preactivation. *Brain and Language*, 127, 55-64.
34. Brennan J, Pykkänen L. (2012). The time-course and spatial distribution of brain activity associated with sentence processing. *Neuroimage*, 60, 1139-1148.
35. Bemis, D. & Pykkänen, L. (2012). Basic linguistic composition recruits the left anterior temporal lobe and left angular gyrus during both listening and reading. *Cerebral Cortex*, doi:10.1093/cercor/bhs179.

36. Dikker S, Pykkänen L. (2011). Before the N400: effects of lexical-semantic violations in visual cortex. *Brain and Language*, 118, 23-8.
37. Rabagliati, H., Marcus, G. F. & Pykkänen, L. (2011). Rules, Radical Pragmatics and Restrictions on Regular Polysemy. *Journal of Semantics*, 28, 485–512.
38. Bemis, D. K., & Pykkänen, L. (2011). Simple Composition: A Magnetoencephalography Investigation into the Comprehension of Minimal Linguistic Phrases. *The Journal of Neuroscience*, 31, 2801-2814.
39. Rabagliati, H., Marcus, G.F., & Pykkänen, L. (2010). Shifting senses in semantic development. *Cognition*, 117, 17-37.
40. Pykkänen, L., Brennan, J. & Bemis, D. K. (2010) Grounding the Cognitive Neuroscience of Semantics in Linguistic Theory. *Language and Cognitive Processes*, 26, 1317-1337.
41. Pykkänen, L., & Okano, K. (2010). The nature of abstract orthographic codes: Evidence from masked priming and magnetoencephalography. *PLoS ONE* 5(5): e10793. doi:10.1371/journal.pone.0010793.
42. Brennan, J., Nir, Y., Hasson, U., Malach, R., Heeger, D., & Pykkänen, L. (2010). Syntactic complexity predicts anterior temporal activity during natural story listening. *Brain and Language*, 120, 163-173.
43. Brennan, J., & Pykkänen, L. (2010). Processing psych verbs: Behavioral and MEG measures of two different types of semantic complexity. *Language and Cognitive Processes*, 25, 777-807.
44. Dikker, S., Rabagliati, H., Farmer, T. A., & Pykkänen, L. (2010). Early occipital sensitivity to syntactic category is based on form typicality. *Psychological Science* 21, 629-634.
45. Pykkänen, L., Oliveri, B., & Smart, A. (2009). Semantics vs. world knowledge in prefrontal cortex. *Language and Cognitive Processes*, 24, 1313-1334.
46. Dikker\*, S., Rabagliati\*, H., & Pykkänen, L. (2009). Sensitivity to syntax in visual cortex. *Cognition*, 110, 293-321.
47. Pykkänen, L., Martin, A. E., McElree, B., & Smart, A. (2009). The Anterior Midline Field: Coercion or decision making? *Brain and Language*, 108, 184-90.
48. Zweig, E., & Pykkänen, L. (2009). A visual M170 effect of morphological complexity. *Language and Cognitive Processes*, 24, 412 - 439.
49. Pykkänen, L. (2008). Mismatching Meanings in Brain and Behavior. *Language and Linguistics Compass*, 2/4, 712 - 738.
50. Brennan, J., & Pykkänen, L. (2008). Processing events: Behavioral and neuromagnetic correlates of aspectual coercion. *Brain and Language*, 106, 132-143.
51. Harris, J., Pykkänen, L., McElree, B., & Frisson, S. (2008). The cost of question concealment: Eye-tracking and MEG evidence. *Brain and Language*, 107, 44-61.
52. Pykkänen, L., & McElree, B. (2007). An MEG Study of Silent Meaning. *Journal of Cognitive Neuroscience*, 19, 1905-1921.
53. Pykkänen, L., Llinas, R., & Murphy, G. L. (2006). Representation of polysemy: MEG evidence. *Journal of Cognitive Neuroscience*, 18, 1–13.
54. McElree, B., Pykkänen, L., Pickering, M., & Traxler, M. (2006). The time course of enriched composition. *Psychonomic Bulletin & Review*, 13, 53-59.
55. Pykkänen, L., Feintuch, S., Hopkins, E., & Marantz, A. (2004). Neural correlates of the effects of morphological family frequency and family size: An MEG study. *Cognition*, 91, B35-B45.
56. Pykkänen, L., & Marantz, A. (2003). Tracking the time course of word recognition with MEG. *Trends in Cognitive Sciences*, 7, 187-189.
57. Pykkänen, L., Stringfellow, A., & Marantz, A. (2002). Neuromagnetic evidence for the timing of lexical activation: An MEG component sensitive to phonotactic probability but not to neighborhood density. *Brain and Language*, 81, 666–678.

- Contribute to Conceptual Combination? Interdisciplinary Perspectives. In Hampton, J. A., & Winter, Y. (Eds.). (2017). *Compositionality and concepts in linguistics and psychology* (Vol. 3). Springer.
2. Pylkkänen, L. (2015). Composition of Complex Meaning: Interdisciplinary perspectives on the left anterior temporal lobe. In G. Hickok & S. Small (Eds.), *Neurobiology of Language, 1st Edition*. NY: Elsevier.
  3. Pylkkänen, L., & McElree, B. (2006). The syntax-semantic interface: On-line composition of sentence meaning. In M. Traxler & M.A. Gernsbacher (Eds.), *Handbook of Psycholinguistics* (2nd Ed), 537-577. NY: Elsevier.
  4. Pylkkänen, L., (1999). On stativity and causation. In C. Tenny and J. Pustejovsky (Eds.) *Events as grammatical objects*. CSLI Publications. 417-445.

**INVITED TALKS****2018**

1. October: Trondheim meeting "Towards mechanistic theories of meaning composition"
2. Sept: Colloquium at UPenn.
3. August: Oslo summer school.
4. March: Rutgers Newark Colloquium.
5. July: Lake Tahoe meeting on Cognitive Neurosciences volume.

**2017**

6. Keynote speaker at ESPP 2017 (European Society for Philosophy and Psychology), University of Hertfordshire, UK.
7. Invited speaker at the 1<sup>st</sup> Conference on Interdisciplinary Approaches to Linguistic Theory, Rethymnon, Crete, Greece.
8. Keynote speaker at an MEG workshop at Macquarie University in Sydney, Australia.

**2016**

9. Invited symposium speaker at BIOMAG2016, Seoul, Korea.
10. Invited speaker at "Genetics and Neurobiology of Language," Cold Spring Harbor, NY.
11. SUNY Stonybrook Linguistics Colloquium
12. Invited speaker at the Berkeley Linguistic Society 2016.
13. Language, and Hearing Sciences Colloquium, University of Arizona
14. University of Maryland Cognitive Science Colloquium

**2015**

15. Scholars lecture series, CAS NYU.
16. European Workshop on Cognitive Neuropsychology (Bressanone, Italy).
17. IDEALAB 2015 lecture series (Bressanone, Italy).
18. SMART International Cognitive Science Conference (Amsterdam, NL; cancelled for personal reasons).

**2014**

19. Invited speaker at the Arizona Linguistics Circle 8 (focus on Language and the Brain).
20. UMass Linguistics colloquium.
21. Invited speaker at "Genetics and Neurobiology of Language," Cold Spring Harbor, NY.
22. Invited speaker at *Experimental Perspectives on Event Coercion* (part of *Chronos 11*) in Pisa, Italy.
23. UConn Colloquium. Dept. of Linguistics.

**2013**

24. Invited speaker at the *The 26th annual CUNY Sentence Processing Conference* ("Building meanings in theory vs. in the brain"). University of Southern California.
25. Invited speaker at the *Experimental Arabic Linguistics (EXAL) 2013* conference. Al Ain, United Arab Emirates.
26. Invited (though not keynote) speaker at *Concept Composition & Experimental Semantics/Pragmatics workshop*, Utrecht, NL. (talk however delivered by Masha Westerlund).
27. University of Delaware Colloquium. Dept. of Linguistics.
28. CMU Colloquium. Dept of Machine Learning.
29. UCSD Colloquium. Depts of Linguistics & Cognitive Science.
30. USC Colloquium. Dept. of Linguistics.

**2012**

31. Colloquium at McMaster University, CA. (cancelled)
32. "Towards a New Neurobiology of Language" symposium at the Society for Neuroscience 2012.
33. Sinn und Bedeutung, Paris, France.
34. Core knowledge and language workshop, Leiden, NL.

**2011**

35. MIT Ling50" "50 years of Linguistics at MIT"
36. Language and Cognition colloquium at Columbia.
37. IRCS Colloquium. Institute for Research in Cognitive Science at the University of Pennsylvania.

**2010**

38. The Neuromagnetism of Natural Language Combinatory Semantics. Cornell Linguistics Colloquium.
39. The Neuromagnetism of Natural Language Combinatory Semantics. Plenary Symposium on Cognition. BIOMAG 2010, 17th International Conference on Biomagnetism. Dubrovnik, Croatia.

**2009**

40. Studying the neural bases of semantic composition with MEG. MEGLANG 2009 Workshop Paris, France.
41. Studying the neural bases of semantic composition with MEG. Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
42. The Anterior Midline Field: Progress Report. Maryland Mayfest: "Moving Beyond Truth Conditions: The Computation of Meaning." University of Maryland, College Park, MD.
43. Event coercion in brain and development. "Events across categories: Theoretical and experimental approaches to event structure." Madrid, Spain.

**2008**

44. Semantics vs. World Knowledge in Prefrontal Cortex. Neurolinguistics and Imaging: Progress and Prospects Workshop / NYU Abu-Dhabi, United Arab Emirates.
45. Semantics vs. World Knowledge in Prefrontal Cortex. Satellite Symposium at Biomag 2008: Uncovering the mechanisms of language processing by MEG. Sapporo, Japan.
46. Semantic Composition and the Anterior Midline Field. WCCFL 27, UCLA.
47. Semantic Composition and the Anterior Midline Field. Workshop on Psycholinguistics. University of Calgary.

**2007**

48. Syntax-Semantics Mismatch and the Neural Bases of Semantic Composition. Experimental Pragmatics 2007 Humboldt Universitaet, Berlin, Germany.
11. Polysemy in the Brain. Invited lecture at the Workshop on Polysemy and Conceptual Representation. Siegen, Germany.
12. Semantics in the Composing Brain: Neural Correlates of Type Mismatch Resolution. Invited lecture at the "Workshop on Language, Mind, and the Brain", Keio University, Tokyo, Japan.

**2006**

13. The Visual System and Morphology. UMass Linguistics Colloquium
14. The Visual System and Morphology. UPenn Linguistics Colloquium.
15. From word form to sentence meaning: MEG investigations. Center for Advanced Study in Theoretical Linguistics. Tromso, Norway.
16. From word form to sentence meaning: MEG investigations. MIT Brain & Cognitive Sciences Departmental Seminar.
17. Mechanisms of Noncompositionality Resolution. UCLA Linguistics Department Colloquium.

**2005**

18. Linguistics in Cognitive Neuroscience. Happy Golden Anniversary, Generative Syntax: 50 years since LSLT. Workshop at the 2005 LSA Institute.
19. Missing Meanings. Issues on the Form and Interpretation of Argument Structure at the 2005 LSA Institute.
20. Words and Brains (with Alec Marantz). Milan, Italy.
21. Missing Meanings: A Cognitive Neuroscience Approach. Department of Linguistics Colloquium Series. University of Maryland.

**2004**

22. Compositionality and Neural Evidence. Psycholinguistics Supper, CUNY Graduate Center.
23. Manipulating Meaning: MEG Investigations. Cognitive Science Colloquium. Institute of Cognitive Science. University of Osnabrueck, Germany.
24. The Neuromagnetism of Linguistic Identity: MEG Investigations. Speech and Hearing Sciences Colloquium, CUNY Graduate Center.

**2003**

25. MEG Evidence for Early Effects of Morphology. KIT 3rd International Symposium on Brain and Language. Tokyo, Japan.
26. Competition at multiple levels: MEG studies of lexical processing. Cognitive seminar. Columbia University, Department of Psychology.
27. MEG, the Mental Lexicon and Morphology. Lecture series on Electrophysiology and Language. Nagano, Japan. Jointly organized by a group of researchers from the National Institute of Physiology in Japan, Hiroshima University, Tokyo University and Tohoku University.
28. How many representations? Using MEG to probe into representational identity. Department of Psychology, University of Michigan, Ann Arbor, MI.
29. The representation and processing of secondary predication. Linguistics Department Colloquium Series, SUNY, Stony Brook.
30. The representation and processing of secondary predication. Linguistics Department Colloquium Series, Princeton University.
31. Double objects and secondary predication. Syntax talk series, CUNY Graduate Center.
32. How many representations? Using MEG to probe into representational identity. Psycholinguistics talk series, CUNY Graduate Center.

**2002**

33. Timing in mind and brain: Lexical access. The First CMI Workshop on Morphological Processing and the Brain, Cambridge, UK.
34. The neuromagnetism of lexical access: MEG indices of activation and competition. Linguistics Department Colloquium Series. New York University, New York City, NY.
35. The neuromagnetism of lexical access: MEG indices of activation and competition (with Alec Marantz). Speech Communication Group Seminar Series, MIT Speech Communication Group, Research Laboratory of Electronics, MIT, Cambridge, MA.
36. The neuromagnetism of lexical access: MEG indices of activation and competition. Cognitive seminar, Department of Brain and Cognitive Sciences, MIT, Cambridge, MA.
37. The neuromagnetism of lexical access: MEG indices of activation and competition. Department of Linguistics and Philosophy, Massachusetts Institute of Technology, Cambridge, MA.

**2001**

38. The neuromagnetism of lexical access: MEG indices of activation and competition. Cognitive Science Department Colloquium, Johns Hopkins University, Baltimore, MD.
39. The neuromagnetism of lexical access: MEG indices of activation and competition. Linguistics Department Colloquium, University of Delaware, Newark, DE.
40. M350: an MEG index of lexical activation. Department of Psychology and Department of Speech Pathology Seminar Series, McGill University, Montreal, Canada.
41. Verbal Domains. McGill Linguistics Colloquium Series. McGill University, Montreal, Canada.
42. Possessor Dative Constructions are Double Object Constructions. MIT Appl Fest: A workshop on the syntax and semantics of applicative constructions, Cambridge, MA.

**2000**

43. MEG Studies of Lexical Access. The Second International Symposium of the Mind Articulation Project. Image, Language and Brain: Toward an Integrated Understanding. University of Tokyo, Tokyo, Japan.

**1998**

44. Where is the Internal/External Causation Distinction? The Second Penn/MIT Roundtable on the Lexicon, Cambridge, MA.
45. On the Internal Structure of Stativity. MIT Lecture Series on Argument Structure..

**1997**

46. The Lexical Semantics of Finnish Psych Verbs. University of Pittsburgh Linguistics

## Colloquium.

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| <b>CONFERENCE PRESENTATIONS</b>                     | Since approx. 2000, annual or semi-annual participation in the CUNY Sentence Processing Conference, the Society for the Neurobiology of Language (SNL), the Annual Meeting of the Cognitive Neuroscience Society (CNS) and Biomag. Since lab website for a complete list of posters and conference talks <a href="http://www.psych.nyu.edu/pylkkanen/lab/publications.html">http://www.psych.nyu.edu/pylkkanen/lab/publications.html</a> . |  |   |
| <b>REGULAR COURSES AT NYU-NYC</b>                   | Neural Bases of Language (undergrad)<br>Neurolinguistics (grad)<br>Advanced Seminar in Neurolinguistics (grad)<br>Language and Mind (undergrad)  |  |   |
| <b>TEACHING AT NYU-AD &amp; INVITED MINICOURSES</b> | August 2018  | Mini-course "Syntax in the Brain" at the <i>The Norwegian Summer Institute on Language and Mind</i> , Oslo, Norway.  |   |
|   | January 2018   | Neural Bases of the World's Language. (J-term course at NYU Abu Dhabi, content of full semester in 2.5 weeks)  |   |
|   | Spring 2013  | Lab in Cognitive Neuroscience: MEG. NYU Abu Dhabi. (7 week course)   |   |
|   | Spring 2011  | Summer school on the Cognitive Neuroscience of Communicative Meaning, Utrecht, the Netherlands   |   |
|   | Fall 2009  | Neural Bases of Syntax and Semantics: State of the Art. EALing 2009. Department of Cognitive Studies, École Normale Supérieure. Paris, France.   |   |
|   | Spring 2006  | Neurolinguistics. <i>Center for Advanced Study in Theoretical Linguistics</i> . Tromsø, Norway (taught jointly with Colin Phillips and Alec Marantz).  |   |
|   | Spring 2005  | Neurolinguistics. LOT Winter School in Linguistics. Groningen, The Netherlands.  |   |
|   | Fall 2003  | Instructor, Minicourse on MEG, the Mental Lexicon and Morphology. Organized by the National Institute of Physiology in Japan, Hiroshima University, Tokyo University and Tohoku University. Nagano, Japan. |   |
| <b>CURRENT STUDENTS</b>                             | Advisees   | Alicia Parrish<br>Sarah Phillips<br>Maxime Tulling<br>Esti Blanco-Elorrieta<br>Songhee Kim<br>Adina Williams   | (1 <sup>st</sup> year PhD Linguistics)<br>(1 <sup>st</sup> year PhD Linguistics)<br>(2 <sup>nd</sup> year PhD Linguistics)<br>(3 <sup>rd</sup> year PhD Psychology)<br>(5 <sup>th</sup> year PhD Linguistics)<br>(5 <sup>th</sup> year PhD Linguistics)   |
|   | Qualifying paper chair (Ling)  | Maxime Tulling   | (Linguistics)   |
| <b>COMPLETED STUDENTS</b>                           | Dissertation chair   | 2016 Linmin Zhang<br>2016 Christian Brodbeck<br>2015 Masha Westerlund<br>2014 Kimberly Leiken<br>2012 Douglas Bemis<br>2010 Jonathan Brennan   | Linguistics (currently a Post-doc at NYU Shanghai)<br>Psychology (currently a post-doc at Computational Sensorimotor Systems Laboratory the the University of Maryland)<br>Psychology (currently a Research Fellow at the New York Hall of Science)<br>(Linguistics, currently a postdoc at the Cincinnati Children's Hospital)<br>(Psychology, post-doc at INSERM-CEA Cognitive Neuroimaging unit, Paris)<br>(Linguistics, currently an Assistant Professor at the University of Michigan) |



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|---|------|--|--|
|   | 2010 | Suzanne Dikker   | (Linguistics, currently a Research Scientist at Utrecht University and NYU)  |
|   | 2010 | Hugh Rabagliati  | (Psychology, co-chaired by Gary Marcus, currently a Chancellor's Fellow at the University of Edinburgh)                  |
|   | 2007 | Lisa Levinson  | (Linguistics, co-chaired by Richard Kayne. Currently Associate Professor of Linguistics at Oakland University, Michigan) |
| Dissertation committees                                       | 2018 | Yuhei Oseki  | (Linguistics: Psycho/Neurolinguistics)   |
|   | 2015 | Tal Linzen   | (Linguistics: Psycho/Neurolinguistics)   |
|   | 2015 | Meera Al Kaabi   | (Linguistics: Neurolinguistics)  |
|   | 2014 | Timothy Leffel   | (Linguistics: Semantics)   |
|   | 2007 | Eytan Zweig  | (Linguistics: Semantics)   |
| MA Thesis supervisor  | 2008 | Kana Okano   | (Psychology: Neurolinguistics)   |
|   | 2006 | Peter Liem   | (Linguistics: Neurolinguistics)  |
| Qualifying paper chair (Ling)                                 | 2016 | Songhee Kim  | (Neurolinguistics)   |
|   | 2015 | Adina Williams   | (Neurolinguistics)   |
|   | 2015 | Becky Laturus  | (Neurolinguistics)   |
|   | 2014 | Jayden Ziegler   | (Neurolinguistics)   |
|   | 2013 | Linmin Zhang   | (Neurolinguistics)   |
|   | 2013 | Meera Al Kaabi   | (Neurolinguistics)   |
|   | 2013 | Vera Xu  | (Neurolinguistics)   |
|   | 2010 | Inna Livitz  | (Neurolinguistics)   |
|   | 2008 | Suzanne Dikker   | (Neurolinguistics)   |
|   | 2007 | Jonathan Brennan   | (Neurolinguistics)   |
|   | 2007 | Tuuli Adams  | (Neurolinguistics)   |
|   | 2005 | Lisa Levinson  | (Semantics)  |
|   | 2004 | Eytan Zweig  | (Neurolinguistics)   |
| Qualifying paper committee member (Ling)                      | 2007 | Kevin Roon   | (Psycholinguistics)  |
|   | 2006 | Andrea Cattaneo  | (Semantics)  |
|   | 2006 | En-Hsing Liu   | (Semantics)  |
|   | 2005 | Eytan Zweig  | (Semantics)  |
|   | 2005 | Peter Liem   | (Syntax)   |
| Honors thesis advisor   | 2008 | Bridget Oliveri  | (Language and Mind)  |
| Honors thesis committees                                      | 2007 | Elika Bergelson  | (Language and Mind)  |
| 1 <sup>st</sup> /2 <sup>nd</sup> year paper committee (Psych) | 2007 | Hugh Rabagliati  | (Language Acquisition, 2 <sup>nd</sup> year committee)   |
|   | 2006 | Andrea Martin  | (Psycholinguistics, 2 <sup>nd</sup> year committee)  |
|   | 2005 | Andrea Martin  | (Psycholinguistics, 1 <sup>st</sup> year committee)  |
|   | 2005 | Barbara Montagna   | (Visual Cognition, 2 <sup>nd</sup> year committee)   |
| UG independent study advisor                                  | 2006 | Bridget Oliveri  | (Neurolinguistics, Language & Mind major)  |
| Intel project advisor   | 2010 | Liza Strauss, Mamaroneck High School.                    |  |
|   | 2006 | Lily Tsoi, Stuyvesant High School.                       |  |
|   | 2002 | Sophie Feintuch, Portsmouth High School (Portsmouth, NH) |  |
|   | 2002 | Emily Hopkins, Portsmouth High School (Portsmouth, NH)   |  |

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**SERVICE**      Departmental      2018 – 2020. Personnel Committee, Psychology.

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|----------------------------|---|
|                            | 2017 – 2018. Director of Graduate Studies, Linguistics.<br>AY 2015-2016. Chair of faculty search committee in language acquisition, Linguistics   |
|                            | 2014 – 2016. Director of Graduate Studies, Linguistics.   |
|                            | 2014 – 2016. Curriculum Committee, Linguistics.   |
|                            | 2014 – 2016. Personnel Committee, Psychology.   |
|                            | Spring 2013, Faculty organizer for the Linguistics Open House (recruitment).  |
|                            | Spring 2012. Merit Review Committee. Linguistics, NYU.  |
|                            | 2008 – 2010. Educational Policy Committee. Department of Psychology, New York University.   |
|                            | 2009 – 2010. Committee for redesigning the department website. Department of Linguistics, New York University.  |
|                            | 2006 – 2009. Space planning committee. Department of Linguistics, New York University.  |
|                            | Fall 2004 – Spring 2005. Semantics Search Committee (senior search). Department of Linguistics, New York University.  |
|                            | Fall 2005. Statistics committee. Department of Linguistics, New York University.  |
|                            | Fall 2004 – 2005. Honors Committee. Department of Linguistics, New York University.   |
|                            | Fall 2004. Committee for revising Ph.D. program requirements, Department of Linguistics, New York University.   |
|                            | Spring 2003. Faculty mentor for freshmen, Department of Linguistics, New York University.   |
|                            | 1998 – 1999. Student-faculty representative, Department of Linguistics and Philosophy, MIT.   |
|                            | Spring 1999. Student member of the committee for prospective students. Department of Linguistics and Philosophy, MIT.   |
| Professional organizations | 2014 – 2017. Board of Directors of the Society for the Neurobiology of Language (role: Secretary, elected by the society membership).   |
| Journals                   | Action editor, <i>Brain and Language</i> (2010 - present).<br>Action editor, <i>Psychonomic Bulletin and Review</i> (2014 - 2016).<br>Member of the editorial board of <i>Journal of Semantics</i> (2009 - present).<br><br><i>Ad hoc referee for Brain and Language, Neuron, Neuroimage, Neuropsychologia, Journal of Neuroscience, Journal of Cognitive Neuroscience, Cognition, Cognitive Brain Research, Journal of Memory and Language, Neuroimage, Psychological Science, Psychophysiology, Trends in Cognitive Sciences, Language, Cognition and Neuroscience, etc..</i> |
| Grants                     | Spring 2013. Member NSF site review committee for the Visual Language and Visual Learning (VL2) Center at Gallaudet University.   |
| Conferences                | Organized EXAL+ at NYU Abu Dhabi.<br><br>Ad hoc referee for several linguistics and psychology conferences (e.g., NELS, WCCFL, CUNY, AMLAP, SALT).<br>Co-organized the CUNY Sentence Processing Conference 2010.<br><br>Organized <i>Miniworkshop on Magnetoencephalography and Language</i> , New York University, NY, December 2002.<br><br>Co-organized <i>The Third Formal Approaches to Japanese Linguistics Conference</i> . MIT, Cambridge, MA. May 2001.  |

Co-organized *Workshop on Events as Grammatical Objects*, Cornell University, Ithaca, NY. July 1997.

Co-organized *The Second Penn/MIT Roundtable on the Lexicon*, MIT, Cambridge, MA. Nov. 1998.

Edited volumes Co-Editor of the Language section of the *Cognitive Neurosciences IV* volume (with Karen Emmorey). 2018 – 2019.

Pykkänen, L., vanHout, A., & Harley, H. (eds.) (1999). *Papers from the Second Penn/MIT Roundtable on the Lexicon*, MITWPL Volume 35, Cambridge, MA

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