

IRIS BERENT

Education

B. A. in Musicology, 1987 Tel-Aviv University,
B. Mus. in Flute performance, 1987, The Rubin Academy of Music
M. S. in Cognitive Psychology, 1990, University of Pittsburgh
M. A. in Music Theory, 1990, University of Pittsburgh
Ph. D. in Cognitive Psychology, 1993, University of Pittsburgh

Professional Experience

1995-1996 Post doctoral fellowship, Arizona State University
1997-2002 Assistant Professor, Department of Psychology, Florida Atlantic University.
2002-2007 Associate Professor, Department of Psychology, Florida Atlantic University.
2005-2008 Member, Center for Complex systems and Brain Sciences, Florida Atlantic University
2006-2007 Visiting Scholar, Department of Cognitive Sciences, Johns Hopkins University.
2007-2008 Professor, Department of Psychology, Florida Atlantic University.
2008- Professor, Department of Psychology, Northeastern University.
2013 Faculty, the Summer Institute of the Linguistic Society of America, Michigan University, Ann Arbor, MI.
2014 Associate, Department of Psychology, Harvard University.

Competitive Grants and Awards

1994-1996 Title: *The two cycles model of phonology assembly*. National Research Science Award for Individual Postdoctoral Fellows. (NIH, \$46,300 direct costs, PI: Berent).
1998-2005 Title: *The assembly of consonant and vowel phonology in reading*. First Independent Support & Transition (FIRST) Award (DC 23277; NIH, \$350,000 direct costs, PI: Berent).
2006-2012 Title: *Phonological markedness constraints on reading*. R01DC003277 NIH (NIDCD, \$850,000 direct costs, PI: Berent).
2013-2015 *The phonological grammar in dyslexia: functional and neural evaluation*. Northeastern University TIER 1 Seed grant/proof of concept program (\$48,599, PI: Berent)
2015-2016 *Role of the motor system in knowledge of language*. Mind Brain/Behavior Interfaculty Initiative, Harvard University (with Alvaro Pascual-Leone and Albert Galaburda, \$12,080)
2015-2018 *The scope of signed phonological generalizations*. 1528411, NSF. (\$196,028, Direct costs, PI: Berent).
2017-2020 *Collaborative research: Role of the motor system in phonological and phonetic systems* 173398, NSF (\$284,772, PI: Berent, Co-PI: A. Pascual-Leone).

Honors

- 1989-1990 The Andrew Mellon Predoctoral Fellowship, University of Pittsburgh.
1991 The Tim Post Memorial Award. Department of Psychology, University of Pittsburgh.
1991-1992 Andrew Mellon Predoctoral Fellowship, University of Pittsburgh.
2003 Researcher of the Year, Charles E. Schmidt College of Science, Florida Atlantic University
2006 Researcher of the Year, Charles E. Schmidt College of Science, Florida Atlantic University
2006 Research Incentive Award, Florida Atlantic University
2006 Researcher of the year, Florida Atlantic University
2016 Klein Lecturer, Northeastern University.
2017-8 Humanities Fellow, Northeastern University.
2018 Fellow, Association for Psychological Science.

Professional Membership

The Psychonomic Society, The linguistic society of America, Association for Psychological Science.

Editorial duties

Associate Editor:

- Journal of Language and Speech (2008-2016)
- PLoS ONE (2014-)
- Frontiers in Language Science (2014-)

Editorial board:

- The Mental Lexicon (2005-present)
- Evolutionary Psychology (2006-present)

Ad hoc reviewer

a. Journal review

Brain and Language; Cognition; Cognitive Psychology; Cognitive Science; Journal of aging research; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory and Cognition; Journal of Memory and Language; Language and Cognitive Processes; Memory and Cognition; Perception and Psychophysics; Psychological Review; Reading and Writing; The Mental Lexicon; Vision research; Language; Phonology; Lingua; Cognition & Neuroscience; Journal of Cognitive Neuroscience.

b. Grant review

Ad hoc reviewer for NIH and NSF.

Publications

Books

Berent, I. (2013). *The phonological mind*. Cambridge: Cambridge University Press.

Berent, I. & Goldin-Meadow, S. (Eds.). (2015). *Language by mouth and by hand*. Frontiers Media SA.

Journal articles (refereed)

1. Berent, I. & Perfetti, C. A. (1993). An on-line method in studying music parsing. *Cognition*, 46, 203-222.
2. Berent, I. & Perfetti, C. A. (1995). A rose is a REEZ: The two cycles model of phonology assembly in reading English. *Psychological Review*, 102, 146-184.
3. Berent, I., & Shimron, J. (1997). The representation of Hebrew words: Evidence from the Obligatory Contour Principle. *Cognition*, 64, 39-72.
4. Berent, I. (1997). Phonological effects in the lexical decision task: Regularity effects are not necessary evidence for assembly. *Journal of Experimental Psychology: Human Perception and Performance*, 23, 1-16.
5. Berent, I., Pinker, S. & Shimron, J. (1999). Default nominal inflection in Hebrew: Evidence for mental variables. *Cognition*, 72, 1-44.
6. Berent, I. & Van Orden, G. (2000). Homophone dominance modulates the phonemic-masking effect. *Scientific Studies of Reading*, 42, 133-167.
7. Berent, I. (2001). Can connectionist models of phonology assembly account for phonology? *Psychonomic Bulletin & Review*, 8(4), 661-76.
8. Berent, I., Bouissa, R. & Tuller, B. (2001). The effect of shared structure and content on reading nonwords: evidence for a CV skeleton. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27(4), 1042-57.
9. Berent, I., Everett, D. L. & Shimron, J. (2001). Do phonological representations specify variables? Evidence from the obligatory contour principle. *Cognitive Psychology*, 42(1), 1-60.
10. Berent, I., Shimron, J. & Vaknin, V. (2001). Phonological constraints on reading: Evidence from the Obligatory Contour Principle. *Journal of Memory and Language*, 44(4), 644-665.
11. Berent, I. (2002). Identity avoidance in the Hebrew lexicon: implications for symbolic accounts of word formation. *Brain and language*, 81(1-3), 326-41.
12. Berent, I., Marcus, G. F., Shimron, J. & Gafos, A. I. (2002). The scope of linguistic generalizations: evidence from Hebrew word formation. *Cognition*, 83(2), 113-39.

15. Berent, I., Pinker, S. & Shimron, J. (2002). The nature of Regularity and Irregularity: Evidence from Hebrew Nominal Inflection. *Journal of Psycholinguistic Research*, 31(5), 459-502.
16. Berent, I. (2002). A review of Gary F. Marcus (2001). *The algebraic mind: Integrating connectionism and cognitive science*. Cambridge: MIT Press. *Language*, 78(3), 569-571.
17. Berent, I. & Shimron, J. (2003). Co-occurrence restrictions on identical consonants in the Hebrew lexicon : Are they due to similarity? *Journal of Linguistics*, 39(1), 31-55.
18. Berent, I. & Van Orden, G. C. (2003). Do null phonemic masking effects reflect strategic control of phonology? *Reading and Writing*, 16(4), 349-376.
19. Marcus, G. F., & Berent, I. (2003). Are there limits to statistical learning? *Science*, 300, 53-55.
20. Berent, I., Vaknin, V. & Shimron, J. (2004). Does a theory of language need a grammar? Evidence from Hebrew root structure. *Brain and Language*, 90, 170-182.
21. Berent, I. & Marom, M. (2005). The skeletal structure of printed words: Evidence from the Stroop task. *Journal of Experimental Psychology: Human Perception & Performance*, 31, 328-338.
22. Berent, I., Pinker, S., Tzelgov, J., Bibi, U., & Goldfarb, L. (2005). Computation of Semantic Number from Lexical, Morphological, and Conceptual Information. *Journal of Memory and Language*, 53, 342-358.
23. Berent, I., Tzelgov, J., & Bibi, U. (2006). The autonomous computation of morphophonological structure in reading: Evidence from the Stroop task. *The Mental Lexicon*, 1-2, 201-230.
24. Berent, I., Steriade, D., Lennertz, T & Vaknin, V. (2007). What we know about what we have never heard: Evidence from perceptual illusions. *Cognition*, 104, 591-630.
25. Berent, I & Lennertz, T, (2007). What we know about what we have never heard: Beyond Phonetics. Reply to Peperkamp. *Cognition*, 104, 638-643.
26. Berent, I., Vaknin, V., & Marcus. G. (2007). Roots, stems, and the universality of lexical representations: Evidence from Hebrew. *Cognition*, 104, 254-286.

27. Berent, I., & Pinker, S. (2008). The Dislike of Regular Plurals in Compounds: Phonological or Morphological? *The Mental Lexicon*, 2, 129–181.
28. Berent, I., Lennertz, T., Jun, J., Moreno, M., A., & Smolensky, P. (2008). Language universals in human brains. *Proceedings of the National Academy of Sciences*, 105, 5321-5325.
29. Berent, I., D. (2008). Are phonological representations of printed and spoken language isomorphic? Evidence from the restrictions on unattested onsets. *Journal of Experimental Psychology: Human Perception & Performance*, 34, 1288-1304.
30. Berent, I., & Pinker, S. (2008). Compound formation is constrained by morphology: A reply to Seidenberg, MacDonald & Haskell. *The Mental Lexicon*, 3, 176-187.
31. Berent, I., Lennertz, T., & Smolensky, P. (2009). Listeners' knowledge of phonological universals: Evidence from nasal clusters. *Phonology*, 26, 75-108.
32. Lewkowicz, D. & Berent, I. (2009). Sequence Learning by 4 Month-Old Infants: Do infants represent ordinal information? *Child Development*, 80, 1811-1823.
33. Berent I. (2009). Unveiling phonological universals: A linguist who asks “why” is (inter alia) an experimental psychologist. *Behavioral and Brain Sciences*, 32, 450-451.
34. Marom, M. & Berent, I. (2010). Phonological constraints on the assembly of skeletal structure in reading. *Journal of Psycholinguistic Research*, 39, 67-88
35. Berent, I., & Lennertz, T. (2010). Universal constraints on the sound structure of language: Phonological or acoustic. *Journal of Experimental Psychology: Human Perception & Performance*, 36, 212-223.
36. Berent, I., Balaban, E., Lennertz, T., & Vaknin-Nusbaum, V. (2010). Phonological universals constrain the processing of nonspeech. *Journal of Experimental Psychology: General*, 139, 418-435.
37. Berent, I. (2011). Core phonology: Evidence from grammatical universals. In L. Carlson, C. Hoelscher & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Boston, MA: Cognitive Science Society.
38. Berent, I., Balaban, E., & Vaknin-Nusbaum, V. (2011). How linguistic chickens help spot spoken-eggs: phonological constraints on speech identification. *Frontier in Language Sciences*, 2, doi: 10.3389/fpsyg.2011.00182.

39. Berent, I., Harder, K., & Lennertz, T. (2011). Phonological universals in early childhood: Evidence from sonority restrictions. *Language Acquisition*, 18, 281–293.
40. Berent, I., Wilson, C., Marcus, G., & Bemis, D. (2012). On the role of variables in phonology: Remarks on Hayes and Wilson. *Linguistic Inquiry*, 43, 97–119.
41. Gervain, J., Berent, I., & Werker, J. (2012). Binding at birth: Newborns detect identity relations and sequential position in speech. *Journal of Cognitive Neuroscience*, 24, 564-574.
42. Berent, I., Lennertz, T., & Balaban, E. (2012). Language universals and misidentification: A two way street. *Language and Speech*, 55, 1-20.
43. Berent, I., Lennertz, T., & Rosselli, M. (2012). Universal phonological restrictions and language-specific repairs: Evidence from Spanish. *The Mental Lexicon*, 13.
44. Berent, I., Vaknin-Nusbaum, V., Balaban, E., & Galaburda, A., M. (2012). Dyslexia impairs speech recognition but can spare phonological competence. *PLoS ONE*, 7, e44875.
45. Berent, I., Dupuis, A., & Brentari, D. (2013). Amodal aspects of linguistic design. *PLoS ONE*. DOI [10.1371/journal.pone.0060617](https://doi.org/10.1371/journal.pone.0060617)
46. Berent, I. (2013). The phonological mind. *Trends In Cognitive Sciences*, 17(7), 319-327.
47. Berent, I., Vaknin-Nusbaum, V., Balaban, E., & Galaburda, A. (2013). Phonological generalizations in dyslexia: is the grammar impaired? *Cognitive Neuropsychology*, 30: 285-310.
48. Berent, I., Pan, H., Zhao, X., Epstein, J., Bennett, M. L., Deshpande, V., et al. (2014). *Language universals engage Broca's area*. *PLoS ONE*, 9(4), e95155.
49. Tamasi, K., & Berent, I. (2014). Sensitivity to phonological universals: The case of fricatives and stops. *Journal of Psycholinguistic research*, 1-23.
50. Gómez, D. M., Berent, I., Benavides-Varela, S., Bion, R. A. H., Cattarossi, L., Nespore, M., Mehler, J. (2014). Language universals at birth. *Proceedings of the National Academy of Sciences*, 11(16), 5837-5341.
51. Berent, I., Dupuis, A., & Brentari, D. (2014). Phonological reduplication in sign language: Rules rule. *Frontiers in Language Sciences*, 5, 560.

52. Berent, I. (2014). Rich languages from poor inputs ed. by Massimo Piattelli-Palmarini and Robert C. Berwick (review). *Language*, 90, 980-983.
53. Lennertz, T., & Berent, I. (2015). On the sonority levels of fricatives and stops. *The mental lexicon*, 10(1), 88-132.
54. Berent, I., Brem, A.-K., Zhao, X., Seligson, E., Pan, H., Epstein, J., Galaburda, A.M., & Pascual-Leone, A. (2015). Role of the motor system in language knowledge. *Proceedings of the National Academy of Sciences*, 112, 1983-1988.
55. Berent, I., & Goldin-Meadow, S. (2015). Language by mouth and by hand. *Frontiers in Psychology*, 6, 78-78.
56. Dupuis, A., & Berent, I. (2015). Lexical access to signs is automatic. *Language, Cognition, Neuroscience*, 11, 1-6.
57. Zhao, X., & Berent, I. (2016). Universal Restrictions on Syllable Structure: Evidence From Mandarin Chinese. *Journal of Psycholinguistic Research*, 45, 795–811.
58. Berent, I. (2016). Evans's (2014) modularity myths: A mental architecture digest. *Language*, 92, 195-197.
59. Berent, I. (2016). Commentary: An Evaluation of Universal Grammar and the phonological mind"—UG is still a viable hypothesis. *Frontiers in Language Sciences*. doi: 10.3389/fpsyg.2016.01029
60. Berent, I. & Dupuis, A. (2016). Where does (sign) language begin? *Behavioral and Brain Sciences*, 40.
61. Berent, I., Zhao, X., Balaban, E. & Galaburda, A. (2016). *Phonology and phonetics dissociate in dyslexia: Evidence from adult English speakers. Language, Cognition and Neuroscience* 31, 1178-1192
62. Berent, I., Bat-El, O., Brentari, D., Dupuis, A., & Vaknin-Nusbaum, V. (2016). The double identity of linguistic doubling. *Proceedings of the National Academy of Sciences*, 113, 13702-13707.
63. Berent, I. (2017). On the origins of phonology. *Current Directions in Psychological Science*, 26, 132-139.
64. Berent, I, Bat-El, O & Vaknin-Nusbaum, V. (2017). The double identity of doubling: Evidence for the phonology/morphology split. *Cognition*, 161, 117-128.
65. Zhao, X, & Berent, I. (2017). The basis of the syllable hierarchy: articulatory pressures or universal phonological constraints? *Journal of Psycholinguistic Research*. doi: <https://doi.org/10.1007/s10936-017-9510-2>
66. Berent, I & Dupuis, A. (in press). The unbounded productivity of (sign) language: Evidence from the Stroop task. *The Mental Lexicon*.

67. Berent, I. (2018). Is markedness a confused concept? *Cognitive Neuropsychology*.

Manuscripts submitted for publication/under revision

1. Berent, I., Vaknin-Nusbaum, V. & Galaburda, A. (2017). *Phonological compensatory mechanisms in dyslexia*. Manuscript submitted for publication.
2. Berent, I. & Sandoboe, G (2017). *Origins of cognitive anti-nativism*. Manuscript submitted for publication.

Book chapters

1. Perfetti, C. A. Zhang, S, & Berent I. (1992) "Reading in English and Chinese: Evidence for a 'Universal' Phonological Principle. In R. Frost & L. Katz (Eds.), *Orthography, Phonology, Morphology and Meaning* (pp. 227-248). Elsevier, North Holland.
2. Berent, I. & Perfetti, C. A. (1996). Facts, myths and theories about skilled reading: Implications of a two cycles model of decoding". In J. Shimron (Ed.) *Literacy and Education: Essays in memory of Dina Feitelson*. (pp. 253-281). Hampton Press.
3. Berent, I. & Van Orden, G. (1996). Can we unmask the phonemic masking effect? The problem of methodological divergence. In Cottrell, G.(Ed.) *Proceedings of the 18th annual conference of the Cognitive Science Society* (pp. 495-500.). Mahwah, New Jersey: Erlbaum
4. Berent, I., & Frost, R. (1997). The inhibition of polygraphic consonants in spelling Hebrew: Evidence for a recurrent assembly of spelling and phonology in visual word recognition. In C. Perfetti, M. Fayol, and L. Rieben (Eds.) *Learning to spell. Research, theory and practice across languages* (pp. 195-219). Hillsdale, NJ: Erlbaum.
5. Berent, I., & Frost, R. (1997). L'inhibition des consonnes polygraphiques dans l'orthographe de l'hébreu: arguments en faveur d'un assemblage récurrent de l'orthographe et de la phonologie en reconnaissance visuelle de mots. In L. Rieben, M. Fayol, and C. Perfetti, (Eds.), *Des orthographes et leur acquisition* (pp. 293-318). Paris: Delachaux et Niestlé.
6. Berent, I. & Shimron, J. (2003). What is a root? Evidence from the Obligatory Contour Principle. In J. Shimron (Ed.), *Language acquisition and language processing in a root-based morphology*. Amsterdam: John Benjamins.

7. Berent, I., Lennertz, T., & Smolensky, P. (2011). Markedness and misperception: It's a two-way street. In C. E. Cairns & E. Raimy (Eds.), *Handbook of the Syllable* (pp. 373-394): Brill.
8. Berent, I. (2012). Reading is recycling—it's human nature. In M. A. Britt, S. R. Goldman & J.-F. Rouet (Eds.), *Reading: From Words to Multiple Texts* (pp. 1-16). Routledge: Taylor & Francis Group.
9. Berent, I. (2013). Co-occurrence restrictions (on consonants). In Geoffrey Kahn (Ed.) *Encyclopedia of Hebrew Language and Linguistics*. Brill.
10. Berent, I. (2018). Algebraic phonology. In S. J. Hannah & A. Bosch (Eds.), *The Routledge Handbook of Phonological Theory (Routledge Handbooks in Linguistics)* (pp. 569-588). Oxon: Routledge.

Other papers (non-refereed)

1. Berent, I. (1987). La psicología de la música como una teoría del conocimiento musical. [The psychology of music as a theory of musical knowledge]. *Heterofonía*, (97), pp. 28-44.
2. Berent, I. (1988). Influencias lingüísticas en la musicología: Modelos e interrogantes. [Linguistic influences in Musicology: Models and interrogations]. *Pauta*, 7(25), pp. 73-83.
3. Berent, I. (1988). El enfoque émico en el análisis de tradiciones musicales orales: Hacia un estudio del pensamiento musical. [The emic perspective in the analysis of oral musical traditions: Towards a study of musical thought] *Signos. El Arte y la Investigación*. México, Instituto Nacional de Bellas Artes, pp. 208-222.
4. Everett, D. L., & Berent, I. (1998). An experimental approach to the OCP: Evidence for violable identity constraint in Hebrew roots. *Rutgers Optimality Archive*. Available <http://rucss.rutgers.edu/roa.html> (ROA-235).
5. Berent, I. (1999). Decoding and skilled reading: Is efficient decoding necessary for skilled reading? *Trends*, 8, 87-108.

Conference papers (published abstracts)

1. Berent, I. (1991, May). *The on-line processing of music: The hypothesis of a musical parser*. Paper presented at the international conference "Resonant Intervals: Interdisciplinary Perspectives of Music", Calgary, Canada.

2. Berent, I. (1992, February). *The on-line parsing of music: Some theoretical and methodological considerations*. Paper presented at the Second International Conference on Music Perception and Cognition, Los Angeles, CA.
3. Berent, I. & Perfetti, C. A. (1993, November). *At first Roses are Reezes: Toward a nonlinear model of phonology assembly in reading*. Paper presented at the 34th annual meeting of the Psychonomic Society. Washington D.C.
4. Berent, I. & Perfetti, C. A. (1994, November). *Regularity effects are not necessary evidence for assembly: Implications of the two cycles model*. Poster presented at the 35th annual meeting of the Psychonomic Society. Saint Louise, MS.
5. Berent, I., Van Orden, G., & Perfetti, C. A. (1995, November). *Phonological priming in the lexical decision task: Regularity effects are not necessary evidence for assembly*. Poster presented at the 36th annual meeting of the Psychonomic Society. Los-Angeles, CA.
6. Berent, I. & Van Orden, G. (1996). Can we unmask the phonemic masking effect? The problem of methodological divergence. A poster presented at the 18th annual conference of the Cognitive Science Society, San Diego, CA
7. Berent, I. & Shimron, J. (1996, November). *Morphological decomposition in Hebrew: Evidence from the Obligatory Contour Principle*. A paper presented at the presented at the 37th meeting of the Psychonomic Society, Saint Louise, MS.
8. Berent, I., Everett, D., & Shimron, J. (1997, November). *Do mental representations specify variables? Evidence from the Obligatory Contour Principle*. A paper presented at the presented at the 38th meeting of the Psychonomic Society, Philadelphia, PA.
9. Berent, I. (1998, January). *Constraints on identity in Hebrew roots: An experimental approach*. A paper presented at the meeting of the Linguistic Society of America, NY: NY.
10. Berent, I. & Van Orden, G. (1998, November). *Phonemic masking effects with homophones. Revisiting a null effect*. A paper presented at the presented at the 39th meeting of the Psychonomic Society, Dallas, TX.
11. Berent, I. (1999, May). *Can connectionist models of phonology assembly account for phonology?* A paper presented at the annual meeting of the Society for the Scientific Study of Reading (an invited general session address), Montreal, CA.

12. Berent, I., Pinker, S. & Shimron, J. (1999, November). *Default nominal inflection in Hebrew: Evidence for mental variables*. A paper presented at the presented at the 40th meeting of the Psychonomic Society. Los-Angeles, CA.
13. Berent, I., Everett, D., & Shimron, J. (2000, October). *Identity avoidance in the Hebrew lexicon: Implications for symbolic accounts of word formation*. Paper presented at the Second International Conference on the Mental Lexicon. Montreal, Canada.
14. Berent, I., Bibi, U. & Tzelgov, J. (2000, November). *The autonomous computation of linguistic structure in reading: Evidence from the Stroop task*. A paper presented at the presented at the 41st meeting of the Psychonomic Society. New-Orleans, LA.
15. Berent, I., Pinker, S., & Shimron, J. (2001, June). *The nature of Regularity and Irregularity: Evidence from Hebrew Nominal Inflection*. A paper presented at the presented at the Morphology Workshop. Max Planck Institute, Nijmegen: The Netherlands.
16. Berent, I. & Marom, M. (2001, November). *The CV-structure of printed words: Evidence from the Stroop task*. A paper presented at the 42nd meeting of the Psychonomic Society. Orlando, Florida.
17. Berent, I. & Marom, M. (2002, July). *The CV structure of printed words: Evidence from the Stroop task*. A paper presented at the conference of the Israeli Cognitive Science and Judgment and Decision making. Jerusalem, Israel.
18. Berent, I. (2002, June). *Co-occurrence restrictions on identical Hebrew root consonants: Do they concern identity?* A poster presented at the 8th Labphon conference. New-Haven, CT.
19. Berent, I (2002, October). *Identity avoidance in the Hebrew lexicon: Is it due to similarity?* A paper presented at the Third International Conference on the Mental Lexicon. Banff, Alberta, Canada
20. Berent, I & Marom, M. (Florida Atlantic University, USA): *The CV-structure of printed words: Evidence from the Stroop task* A poster presented at the Third International Conference on the Mental Lexicon. Banff, Alberta, Canada
21. Berent, I., Pinker, S., Tzelgov, J., Bibi, U. & Goldfarb, L. (2002, November). *The Perceived Numerosity of Printed Words*. A paper presented at the 43rd meeting of the Psychonomic Society. Orlando, Florida.
22. Berent, I., Marom, M. & Steriade, D. (2003, November). *Are phonological markedness constraints innate? Evidence from the restrictions on English onset*

- clusters*. A paper presented at the 44th meeting of the Psychonomic Society. Vancouver, Canada.
23. Berent, I., Pinker, S. & Ghavami, G. (2003, November). *The Constraint Against Regular Plurals in Compounds: Phonological or Grammatical?*. A poster presented at the 44th meeting of the Psychonomic Society. Vancouver, Canada.
 24. Berent, I., Marom, M. & Steriade, D. (2003, November). *Are phonological markedness constraints innate? Evidence from the restrictions on English onset clusters*. A poster presented at the 44th meeting of the Psychonomic Society. Vancouver, Canada.
 25. Berent, Marucs, & Vaknin (2004, June). *Lexical representations in Hebrew: Roots or stems?* A paper presented at the 4th international conference on the Mental Lexicon, Windsor, Canada.
 26. Berent, Marucs, & Vaknin (2005, January). *Lexical representations in Hebrew: Roots or stems?* A paper presented at the conference of the Linguistic Society of America, Oakland: California.
 27. Berent, I. & Lennertz, T. (2006, October). *What we know about what we have never heard: Evidence from perceptual illusions*. A paper presented at the 5th international conference on the Mental Lexicon, Montreal, Canada.
 28. Lennertz, T & Berent, I. (2006, October). *Now you hear it, now you don't: The effect of markedness on the perception of unattested clusters*. A poster presented at the 4th international conference on the Mental Lexicon, Montreal, Canada.
 29. Berent, I., Steriade, D., Lennertz, T. & Vaknin, V. (2006, November). *What we know about what we have never heard*. A paper presented at the 47th Annual Meeting of the Psychonomic Society. Houston, Texas.
 30. Berent, I., Steriade, D., & Lennertz, T. (2007, April). *Speakers' sensitivity to the markedness of unattested clusters*. A paper presented at the West Coast Conference on Formal Linguistics. Berkeley: CA.
 31. Berent, I & Lennertz, T (2007, May). *What we know about what we have never heard before: evidence from perceptual illusions*. A paper presented at the workshop on Experimental Approaches to Optimality Theory. Ann Arbor: Michigan.
 32. Lennertz, T. & Berent, I. (2007, July). *Markedness constraints on the perception of s/z-initial onset clusters*. A paper presented at the workshop on Variation, Gradience and Frequency in Phonology Stanford: CA.

34. Berent, I., Lennertz, T & Balaban, E. (2008, November) *Universal Grammar And Misperception: It's A Two-Way Street*. A paper presented at the 49th Annual Meeting of the Psychonomic Society. Chicago, IL.
35. Gervain, Berent, Werker. 2009. "*The encoding of identity and sequential position in newborns: an optical imaging study*". Poster presented at the Neurobiology of Language Conference, Oct 15-16, 2009, Chicago, IL.
36. Gervain, I. Berent, J. Werker. 2009. *The encoding of identity and sequential position in newborns: An optical imaging study*. Talk presented at the 34rd BUCLD, Nov 3-6, 2009, Boston, MA
37. Berent, I., Balaban, E, Lennertz, T & Vaknin-Nusbaum, V. (2009, November). *Phonological universals constrain the processing of nonspeech stimuli*. A paper presented at the 50th Annual Meeting of the Psychonomic Society. Boston, MA.
38. Lennertz, T & Berent, I. (2009, November). *People's sensitivity to phonological universals: Evidence from fricatives and stops*. A poster presented at the 50th Annual Meeting of the Psychonomic Society. Boston, MA.
39. Berent, I., Balaban, E, Lennertz, T & Vaknin-Nusbaum, V. (2010, January). *Phonological universals constrain the processing of nonspeech stimuli*. A paper presented at the 50th Annual Meeting of the Psychonomic Society. Boston, MA.
40. Gervain, J., Berent, I, Werker, J. (2010, January). *The encoding of identity and sequential position in newborns: an optical imaging study*. Poster presented at the CDC Opening Conference, Jan 15-16, 2010, Budapest, Hungary
41. Gervain, J., Berent, I., Werker, J. (2010, March). *The Perception of Repetition-Based Regularities in Newborns*. Talk presented at ICIS, March 10-14, 2010, Baltimore.
42. Berent, I., Harder, K., & Lennertz, T. (2010, November). *Phonological universals in early childhood: Evidence from sonority restrictions*. Boston University Conference on Language Development. November, Boston, MA.
43. Berent, I. (2011, July). *Core phonology: Evidence from grammatical universals*. Paper presented at the 33rd Annual Conference of the Cognitive Science Society. Boston, MA.
44. Zhao, X. and Berent, I., (2011, November). *Are markedness constraints universal? Evidence from Mandarin Chinese speakers*, in *Boston University conference on language development*. 2011: Boston, MA.
45. Gomez, D.M., Benavides-Varela, S., Bion. R. A.H., Macagno, F., Nespor, M., Berent, I., & Mehler, J. (2011, November). *Sonority hierarchy in one-month-old*

- infants' brains*. in *Boston University Conference on Language Development*. 2011. Boston, MA.
46. Berent, I., Bat-El, O. & Vaknin-Nusbaum, V. (October, 2012). *Morphology is special: evidence from universal restrictions on reduplication*. A paper presented at the *Mental Lexicon conference, Montreal, Canada*.
 47. Berent, I. (October, 2012). The phonological grammar in dyslexia. A paper presented at the *One Day Conference for Dyslexia/Reading disability*. Harvard University, Cambridge, MA.
 48. Berent, I., Dupuis, A., Brentari, D. (2012, November). Amodal aspects of linguistic design. Paper presented at the 53rd meeting of the Psychonomic Society. Minneapolis, MI.
 49. Berent, I., Dupuis, A., Brentari, D. (2013, January). Amodal aspects of linguistic design. Paper presented at the 87th meeting of the Linguistic Society of America. Boston, MA.
 50. Dupuis, A. & Berent, I. (2013, November). Lexical access to signs is automatic. Poster presented at the 54th annual meeting of the Psychonomic Society. Toronto, Canada.
 51. Zhao, X & Berent, I. (2013, November). What do Speakers Know About the Sound Structure of Language Beyond Articulation? Poster presented at the 54th annual meeting of the Psychonomic Society. Toronto, Canada.
 52. Berent, I., Bram, A. K, Zhao, X., Seligson, E. Pan, H., Epstein, J., Stern, E., Galaburda, A., & Pascual-Leone, A (September, 2014). Linguistic sound patterns and their vessel. Poster presented at the MIT annual phonology meeting. Boston, MA.
 53. Zhao, Z. & Berent, I. (September, 2014). Universal phonological preferences are not articulatory. Poster presented at the MIT annual phonology meeting. Boston, MA.
 54. Dupuis, A. & Berent, I. (September, 2014). Signers automatically generalize phonological rules. Poster presented at the MIT annual phonology meeting. Boston, MA.
 55. Berent, I. , Vaknin-Nusbaum, V. & Galaburda, A. (October, 2014). Compensatory speech perception mechanisms in dyslexia: the contribution of phonological competence. A paper presented at the 2nd Annual Meeting of the New England Research on Dyslexia (NERDY) Society. Boston, MA.
 56. Berent, I., Bram, A. K, Zhao, X., Seligson, E. Pan, H., Epstein, J., Stern, E., Galaburda, A., & Pascual-Leone, A (November, 2014). Linguistic sound patterns and their vessel. A paper presented at the 55th annual meeting of the Psychonomic Society. Long Beach, CA.
 57. Xu, Zhao & Berent, I. (November, 2014). Universal phonological preferences are not articulatory. Poster presented at the 55th annual meeting of the Psychonomic Society. Long Beach, CA.
 58. Dupuis, A. & Berent, I. (November, 2014). Signers automatically generalize phonological rules. Poster presented at the 55th annual meeting of the Psychonomic Society. Long Beach, CA.

59. Berent, I (January, 2016). On the basis of sonority restrictions. Paper presented at the CUNY phonology forum. New-York, NY.
60. Berent, I., Bat-El, O. & Vaknin-Nusbaum, V. (October, 2016). *The double identity of doubling*. Annual Meeting of Phonology, University of Southern California, Los Angeles.
61. Berent, I. & Dupuis, A. (November, 2016). The unbounded productivity of language: Evidence from the Stroop task. Paper presented at the 57th annual meeting of the Psychonomic Society, Boston, MA.
62. Berent, I., Bat-El, O. , Brentari, D., & Vaknin-Nusbaum, V. (November, 2016). One language system, two modalities: Evidence from the double identity of doubling. Paper presented at the 57th annual meeting of the Psychonomic Society, Boston, MA.
63. Berent, I., Bat-El, O. , Brentari, D., & Vaknin-Nusbaum, V. (February, 2017). The double identity of doubling: One language faculty, two channels. Paper presented at the Old World Conference on Phonology 2017, Düsseldorf, Germany.
64. Dana, Q., Brentari, D., Bat-El, O. & Berent, I. (July, 2017). ANCHORING is amodal: evidence from a signed language. A poster presented at the 39th Annual Meeting of the Cognitive Science Society, London, UK.

Invited talks

1. Berent, I. (November, 1996). *The structure of Hebrew words: Are mental constituents necessary?* Invited talk, Haskins Laboratories.
2. Berent, I. (1998, November). *Do mental representations specify variables?* Evidence from the Obligatory Contour Principle. Invited talk. The department of Cognitive Science, Johns Hopkins University.
3. Berent, I. (1999, June). *Do mental representations specify variables? Evidence from the Obligatory Contour Principle*. Invited talk, The department of Psychology, Ben-Gurion University of the Negev, Beer-Sheva: Israel.
4. Berent, I (2003, January). *Does a theory of language need a grammar?* Invited talk. The department of Cognitive Science, Johns Hopkins University.
5. Berent, I (2003, April). *Does a theory of language need a grammar?* Invited talk. Department of Psychology, Michigan State University.
6. Berent, I., Marcus, G. F., & Vaknin, C. (June, 2003). *Does a theory of language need a grammar?* Meeting of the Human Frontiers Research Program, Barcelona, Spain.
7. Berent, I. (January, 2004). *Does a theory of language need a grammar? Evidence from the constraint on identical root consonants in Hebrew*. Invited talk,

Department of Linguistics and Philosophy, Massachusetts Institute of Technology.

8. Berent, I. (February, 2004). *Does a theory of language need a grammar? Evidence from the constraint on identical root consonants in Hebrew*. Invited talk, International School for Advanced Studies, Cognitive Neuroscience; Trieste, Italy
9. Berent, I (2004, April). *Does a theory of language need a grammar?* Invited talk. Department of Psychology, New-York University.
10. Berent, I (2004, April). *Co-occurrence restrictions on identical Hebrew consonants: Is identity restricted?* Invited talk. Department of Linguistics, New-York University.
11. Berent, I (2005, January). Co-occurrence restrictions on non-adjacent Hebrew consonants: Are they long distance? An invited talk, the department of Cognitive Science, Johns Hopkins University.
12. Berent, I. (2005, March). *Does a theory of language need a grammar?* Invited talk. McGill University.
13. Berent, I (2005, March). *What's wrong with rats-eaters?* Invited talk, Concordia University.
14. Berent, I (2006, March). *What we know about what we have never heard*. Invited talk, MIT.
15. Berent, I (2006, March). *What we know about what we have never heard*. Invited talk, University of Pittsburgh.
16. Berent, I (2006, June). *What we know about what we have never heard*. Invited talk, Haskins Laboratories.
17. Berent, I (2007, January). *What we know about what we have never heard*. Invited talk, Rutgers Center for Cognitive Science, Rutgers University.
18. Berent, I (2007, February). *What we know about what we have never heard*. Invited talk, Department of Psychology, Northeastern University.
19. Berent, I (2007, March). *What we know about what we have never heard*. Invited talk, Department of Cognitive Science, Johns Hopkins University.
20. Berent, I (2007, April). *What we know about what we have never heard*. Invited talk, Department of Linguistics, Harvard University.

21. Berent, I (October, 2008). *What we know about what we have never heard*.
22. Invited talk, Department of Psychology, Harvard University.

23. Berent, I. (April, 2010). *What we know about what we have never heard*.
24. Invited talk, Departments of Psychology/Linguistics, University of Massachusetts, Amherst, MA.

25. Berent, I. (October, 2010). *What we know about what we have never heard*.
Invited talk, Departments of Linguistics, University of Arizona, Tucson, AZ.
- Berent, I. (October, 2010).

26. Berent, I. (June, 2011). *What we know about what we have never heard*. Invited talk, Gonda Brain Research Center, Bar-Ilan University, Israel.

27. Berent, I. (June, 2011). *What we know about what we have never heard*. Invited talk, Cognitive Science Forum, University of Haifa, Israel.

28. Berent, I. (December 2011). *What we know about what we have never heard*.
Invited talk, Linguistics Program, Northeastern University.

29. Berent, I (May, 2012). *The Phonological mind*. Invited talk, Tufts University

30. Berent, I. (September, 2012) *The Phonological mind*. Invited talk, University of Maryland.

31. Berent, I (September, 2012). *The Phonological mind*. Invited talk, Department of Linguistics, Harvard University.

32. Berent, I (September, 2012). *The Phonological mind*. Invited talk, Cognitive Sciences, Yale University

33. Berent, I. (February, 2013). *The Phonological mind*. Invited talk, Rutgers Center for Cognitive Sciences, University of Rutgers.

34. Berent, I. (March, 2013). *What is impaired: Phonology or phonetics?* Invited talk, Third Oxford-Cobe symposium on Dyslexia. Oxford University, Oxford UK.

35. Berent, I. (April, 2013). *Reading is recycling—it's human nature*. An invited talk, The Learning Research and Development Center, The university of Pittsburgh.

36. Berent, I. (May, 2013). *The phonological mind*. Invited talk, Department of Linguistics, Tel-Aviv University. Tel-Aviv, Israel.

37. Berent, I. (May, 2013). *Linking the phonological mind: Rules and core knowledge*. Invited talk, in Linking language and cognition to neuroscience via

- computation, An NSF workshop linking linguistics and systems neuroscience (organized by David Poeppel). NSF, Arlington, VA.
38. Berent, I. (November, 2013). *The Phonological mind*. Invited talk, Department of Cognitive & Brain Sciences, Tufts University.
 39. Berent, I. (January, 2014). *The Phonological mind*. Invited talk, Institute of Research in Cognitive Science, University of Pennsylvania.
 40. Berent, I. (March, 2014). *Phonological design: speech and sign*. Invited talk at the annual meeting of the Eastern Psychological Association, Boston, MA.
 41. Berent, I. (May, 2014). *The phonological mind*. Invited talk, Deafness Cognition And Language Research Centre, University College London, London, UK.
 42. Berent, I. (May, 2014). *Language universals: a view from phonology*. Third Cambridge Comparative Syntax Conference, Cambridge University, Cambridge, UK.
 43. Berent, I. (May, 2014). *Epenthesis as a UG reflex*. The Manchester phonology conference, Manchester, UK.
 44. Berent, I. (October, 2014). The phonological mind. Invited talk, Department of Linguistics, The university of Chicago.
 45. Berent, I. (October, 2014). Phonological design: speech and sign. Invited talk, Department of Linguistics, The university of Chicago.
 46. Berent, I. (October, 2014). The phonological mind. Department of Linguistics, City University of New-York. NY, NY.
 47. Berent, I. (October, 2014). The phonological mind. Department of Linguistics, Harvard University.
 48. Berent, I. (December, 2014). Language universals in human brains. Invited talk, Department of Psychology, Harvard University.
 49. Berent, I. (February, 2015). The phonological Mind. Invited talk, Mind Brain & Behavior lectures, Harvard University.
 50. Berent, I. (June, 2015). Language Universals in human Brains. Invited talk, Aphasia Congress, ABC hospital, Mexico DF, Mexico.
 51. Berent, I. (June, 2015). The language system in dyslexia: why is speech impaired. Invited talk, Aphasia Congress, ABC hospital, Mexico DF, Mexico.

52. Berent, I. (June, 2015). The phonological mind. Invited talk, University of Potsdam, Germany.
53. Berent, I. (November, 2015). The phonological mind. Invited talk, Florida International University.
54. Berent, I. (March, 2016). How human brains give rise to language. Klein Lecture, Northeastern University.
55. Berent, I. (October, 2016). What's special about language? Invited talk, Harvard Mind, Brain and Behavior.
56. Berent, I. (September, 2017). On the origins of phonology. Richard B. Millward Lecture, Brown University.