

ORNA PELEG, Ph.D.
CURRICULUM VITAE
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Personal Details

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EDUCATION

Period of Study	Name of Institution	Department	Degree
1980-83	Tel Aviv University	Linguistics & Education	BA (Cum Laude)
1988-93	Tel Aviv University	Linguistics	MA(Cum Laude)
2000-2003	Tel Aviv University	Linguistics	PhD

Title of Master's thesis	The relationship between linguistic divergence and social identity among Israelis of oriental origin
Name of supervisors	Prof Elite Olshtein, Prof. Rachel Giora.
Name of Doctoral dissertation	Linguistic and contextual mechanisms in online language comprehension
Name of supervisors	Prof. Rachel Giora

ACADEMIC AND PROFESSIONAL EXPERIENCE:

Dates	Name of Institution	Department	Rank/Function
1997 – 2005	Tel-Aviv University	General and Interdisciplinary Studies	Teaching Fellow
2008 - 2010	Academic College of Emek Yizrael	Psychology	Teaching Fellow
2004-	Haifa University	Psychology, Institute of Information Processing and Decision Making (IIPDM)	Research Fellow
2007-2011	Tel-Aviv University	Communication Disorders	Teaching Fellow
2011 -	Tel-Aviv University	Cognitive Program of Language Use , School of Cultural Studies	Senior Lecturer

ACTIVE PARTICIPATION IN SCIENTIFIC MEETINGS**International**

Year	Name of Meeting (city, country)	Title of lecture
2005	The 16th Annual Meeting of Theoretical and Experimental Neuropsychology (TENNET), Montreal, Canada.	Frequency and hemispheric asymmetry in the disambiguation of homophonic and Heterophonic homographs in Hebrew
2006	The 47th Annual Meeting of the Psychonomic Society, Houston, Texas, USA	Phonological, Lexical and Contextual Effects on the Disambiguation of Hebrew Homographs in the Two Cerebral Hemispheres
2007	The 14th Annual Meeting of the Cognitive Neuroscience Society (CNS), NY. USA	Hemispheric Sensitivities to Lexical and Sentential Constraints
2007	The 48th Annual Meeting of the Psychonomic Society, Long Beach, California. USA.	Hemispheric Sensitivities to Phonological, Lexical and Contextual Effects
2008	The 49th Annual Meeting of the Psychonomic Society, Chicago. USA	Hemispheric Asymmetry for Meaning: Evidence from Lexical Ambiguity Resolution in Hebrew
2009	First conference in Neurobiology of Language, Chicago. USA.	Hemispheric Asymmetry for Meaning: Evidence from Lexical Ambiguity Resolution in Hebrew
2010	11th International Science of Aphasia Conference, Potsdam. Germany	Reading Asymmetries: Phonological, lexical and contextual effects
2011	New Trends in Experimental Psycholinguistics, Madrid. Spain	Reading Asymmetries: Phonological, lexical and contextual effects
2013	Neurobiology of Language, San Diego. USA	1. The relationship between orthographic, phonological and semantic representations in the two cerebral hemispheres 2. The dynamic relationship between orthography, phonology and meaning : Eye-tracking measures in reading homophones and heterophones in Hebrew
2014	Society for the Neurobiology of Language (SNL), Amsterdam, the Netherlands	Do Semantic representations automatically activate their corresponding orthographic and phonological representations?
2015	Architectures & Mechanisms for Language Processing (AMLAP), Valletta, Malta	Controlled semantic processes within and between the two cerebral hemispheres

National

Year	Name of Meeting	Title of lecture
2005	The 8th Biannual Israeli Symposium (BISFAI). University of Haifa	The disambiguation of hetrophonic and homophonic homographs in Hebrew
2006	The Annual Workshop on Brain and Language: Theoretical and Clinical perspectives. Bar-Ilan University	Two Hemispheres Two Networks: Access to the meaning of ambiguous words

2007	The Fifth Conference on Meaning and its Meanings in Life and in Various Fields of Knowledge. University of Haifa	Ambiguity Resolution in the Two Cerebral Hemispheres
2007	The Israeli Association for Literacy and Language (SCRIPT), Levinsky College	Ambiguity Resolution by the Two Hemispheres
2007	The Cognitive Basis of Nonlinguistic and Linguistic Skills: Regular and Impaired Processes. Haifa University	Reading with both hemispheres
2008	The Israeli Association for Literacy and Language (SCRIPT). Haifa University	Reading in the two hemispheres: Phonological, lexical and contextual effects
2009	The 45 th Annual meeting of the Israeli Speech Hearing and Language Association	Reading Homographs in the Two Cerebral Hemispheres
2014	First Conference on Cognition Research of the Israeli Society for Cognitive Psychology (ISCOP 2014)	Do semantic representations automatically activate their corresponding phonological and orthographic representations?
2015	Second Conference on Cognition Research of the Israeli Society for Cognitive Psychology (ISCOP 2015)	Morphological Processing during Visual Word Recognition in Hebrew as a First and a Second Language
2015	The Israeli Association for Literacy and Language (SCRIPT), Levinsky College.	Phonological cross-linguistic effects in bilingual Arabic-Hebrew readers

Invited talks

Year	Name of Meeting	Title of lecture
2003	Colloquium talk at the Linguistic Dept, Tel-Aviv University	Linguistic and Contextual Mechanisms in On-Line Language comprehension
2004	Adams Super Center for Brain Studies: A panel on literal and nonliteral language, Tel-Aviv University	Linguistic and non-linguistic mechanisms in language comprehension
2005	Colloquium talk at the Dept. of Human Behavior, Ben Gurion University.	Reading in the two Hemispheres: Phonological, Lexical and contextual effects
2006	Invited talk at a panel on Cognitive Science, Tel Aviv University.	Hemispheric word recognition
2007	Colloquium talk at the Dept. of Psychology, University of Haifa	Hemispheric Differences in Meaning Processing
2007	Colloquium talk at the Hebrew Language Dept., University of Haifa	Ambiguity resolution by the two cerebral hemispheres
2007	Colloquium talk at the Computer Science Dept., University of Haifa	Computational Models of Ambiguity resolution
2008	Colloquium talk at the Linguistic Dept., Tel-Aviv University	Reading in the two hemispheres: Phonological, lexical and contextual effects
2009	Colloquium talk at the Communication Disorders Dept, Tel-Aviv University	Ambiguity resolution in the two hemispheres
2010	Colloquium talk at the Communication Disorders Dept, Haifa University	Meaning activation and selection in the two hemispheres
2012	Colloquium talk at the Psychology Dept., Tel-Aviv University (Psychobiology)	Hemispheric contributions to reading
2012	Colloquium talk at the Linguistic Dept., Tel-Aviv University	The relationship between orthographic, phonological and semantic representations in the two cerebral hemispheres

2013	The cognitive, the linguistic and the political. Tel-Aviv University	Language comprehension in the Two Cerebral Hemispheres
2013	Colloquium talk at the Psychology Dept., Tel-Aviv University (Cognitive Psychology)	Brain and Language
2014	Adams Super Center for Brain Studies: Symposium Brain and Language. Tel-Aviv University	Orthographic, phonological and semantic dynamics in the two cerebral hemispheres
2015	Colloquium talk at the Hebrew Language Dept., Tel-Aviv University	The relationship between conceptual and lexical representations

ACADEMIC and PROFESSIONAL AWARDS

Scholarships, Awards and Prizes

Year	Name of Institution (city, country)	Occasion
2003	Wolf Foundation	Wolf Foundation Prize for Doctoral Student
2004-2005	Institute of Information Processing and Decision Making (IIPDM), Haifa University.	Postdoctoral fellowship
2005-2006	The Programming and Budgeting Committee (VATAT) of the Council for Higher Education in Israel.	Postdoctoral fellowship
2006-2007	The Caesarea Edmond Benjamin de Rothschild Foundation, Institute for Interdisciplinary Applications of Computer Science (CRI)	Postdoctoral fellowship
2007-2008	Neurocognitive Research Laboratory, Haifa University.	Postdoctoral fellowship

Research grants

Year	Role in Research	Co-Researchers	Topic	Funded by
2004-2006	PI	Co-PI: Zohar Eviatar and Larry Manevitch	The role of phonology in silent reading: Converging evidence from computational modeling and empirical findings	Cesaeria-Rothchild Research Institute. (\$31,600)
2005-2006	PI	Co-PI: Zohar Eviatar	Hemispheric involvement in the disambiguation of homophonic and heterophonic homographs	Research Authority of University of Haifa (9,000 NIS)
2006-2008	PI	Co-PI: Zohar Eviatar and Larry Manevitch	The role of phonology in silent reading: converging evidence from computational modeling and empirical findings	Israel Science Foundation (270,000 NIS).
2008-2010	PI	Co-PI: Zohar Eviatar, Consulting Investigators: Larry Manevitch and Tali Bitan	Interhemispheric integration during reading comprehension: An experimental, computational and imaging study	Israel Science Foundation (480,000 NIS).

2012-2015	PI	Co-PI: Zohar Eviatar, Consulting Investigator: Asaid Khateb	Linguistic factors in conceptual processes: A hemispheric perspective	Israel Science Foundation (510,000 NIS).
2015-	PI	Co-PI: Aya Meltzer-Asscher	Orthographic, phonological and semantic dynamics in visual word recognition: Behavioral and fMRI evidence from Arabic-Hebrew readers	Israel Science Foundation תשובה שלילית
2016-2018	PI		Orthographic, phonological and semantic dynamics in multilingual visual word recognition: A hemispheric perspective	Israel Science Foundation הצעה מתוקנת

Memberships in Professional Societies

- 2007 - Cognitive Neuroscience Society
 2008 - Psychonomic Society
 2013 - Society for the Neurobiology of Language

Scholarly Activities outside the University

Occasional reviewer for the journals *Brain and Language*, *Behavioral and Brain functions*, *Brain Research*, **Laterality: Asymmetries of Body, and Brain and Cognition*

Grant reviewer for the Israel Science Foundation

Supervision of Graduate Students

Ph.D. Students

Years	Name of student	Topic	Academic Institution
2013 -	Manar Hayadre	Arabic Orthography and the visual word form area	Tel-Aviv University
2015 -	Tal Norman	The relationship between linguistic and sensorimotor representations	Tel-Aviv University

M.A./M.Sc. Students

Years	Name of student	Title of thesis	Academic Institution
2011-2015	Muna Abd El-Raziq	Reading and Bilingualism: The Relation between Orthographic, Phonological and Semantic Representations, among Arabic-Hebrew Bilinguals	Tel-Aviv University
2012-2014	Lee Edelist	Lexical Factors in Conceptual Processing	Tel-Aviv University

2014-2015	Tal Norman	Morphological processing during visual word recognition in Hebrew, as a first and a second language	Tel-Aviv University
2013-2015	Arin Oad	The Relation between Orthographic, Phonological and Semantic Representations, in the two cerebral hemispheres	Tel-Aviv University
2013-	Noor Taha	Phonological Factors in Silent Reading: Evidence from Arabic-Hebrew bilinguals	Tel-Aviv University
2014-	Alona Wiseman	The relationship between verbal and non-verbal cognitive control abilities	Tel-Aviv University
2015-	Tal Oron	The contribution of syntactic and semantic context to the disambiguation of homographs: A developmental Study	Tel-Aviv University
2015-	Naama Bartal	Syntactic and phonological influences on semantic ambiguity resolution: Evidence from the disambiguation of Hebrew Homographs	Tel-Aviv University
2015-	Rotem Ozer	Perceptual simulation during language comprehension within autistic youth	Tel-Aviv University
2015-	Shirli Or	The case of objectively true utterances with false implicatures	Tel-Aviv University

PUBLICATIONS

C.a. REFEREED ARTICLES in Journals

1. **Peleg, O.**, Giora, R., & Fein, O. (2001). Salience and context effects: Two are better than one. *Metaphor and Symbol*, 16, 173-192. (2014 IF:1.533, 5-year IF: 1.34; ranked 126/617 in linguistics and language; no. of citations: 81)
2. **Peleg, O.**, Giora, R., & Fein, O. (2008). Resisting contextual information: You can't put a salient meaning down. *Lodz Papers in Pragmatics*, 4(1), 13-44. (IF=N/A; no. of citations: 11)
3. **Peleg, O.**, & Eviatar, Z. (2008). Hemispheric sensitivities to lexical and contextual constraints: Evidence from ambiguity resolution. *Brain and Language*, 105(2), 71-82. (2014 IF=3.215, 5-year 3.637; ranked 13/584 in language and linguistics, and 22/118 in experimental and cognitive psychology; no. of citations: 32)
4. **Peleg, O.**, & Eviatar, Z. (2009). Semantic asymmetries are modulated by phonological asymmetries: Evidence from the disambiguation of heterophonic versus homophonic homographs. *Brain and Cognition*, 70, 154–162. (2014 IF 2.823, 5-year IF: 3.257; ranked 37/118 in experimental and cognitive psychology; no. of citations: 21)
5. **Peleg, O.**, Eviatar, Z., Manevitz, L., & Hazan, H. (2010). Two hemispheres two networks: A computational model explaining hemispheric asymmetries while reading ambiguous words. *Annals of Mathematics and Artificial Intelligences*, 59 (1), 125-147. (2014 IF=0.691, 5-year IF: 0.74; ranked 98/111 in artificial intelligence; no. of citations: 4)
6. **Peleg, O.**, Markus, A., & Eviatar, Z. (2012). Hemispheric asymmetries in meaning selection: Evidence from the disambiguation of homophonic vs. heterophonic homographs. *Brain and Cognition*, 80, 328-337. (2014 IF: 2.823, 5-year IF: 3.257; ranked 37/118 in experimental and cognitive psychology; no. of citations: 2)
7. Hayadre, M., Kurzon, D., **Peleg, O.**, & Eviatar, Z. (2015). Ambiguity Resolution in Lateralized Arabic. *Reading & Writing* 28, 395-418. (2014 IF: 1.634, 5-year IF: 1.95; ranked 131/617 in linguistics and language)

Accepted

1. Norman, T., Degani, T., & **Peleg, O.** (in press). Transfer of L1 visual word recognition strategies during early stages of L2 learning: Evidence from Hebrew learners (a Semitic language) whose first language is either Semitic or Indo-European. *Second Language Research* (2014 IF:1.22; ranked 69/617 in linguistics and language; 5-year IF: 1.93)
2. **Peleg, O.**, & Eviatar, Z. (in press). Controlled Semantic Processes within and between the Two Cerebral Hemispheres. *Laterality: Asymmetries of Body, Brain and Cognition* (2014 IF: 1.356; 5-year IF: 1.335; ranked 81/217 in psychology)
3. **Peleg, O.**, Edelist, L., Bergerbest, D., & Eviatar, Z. (in press) Lexical factors in conceptual processes: The relationship between semantic representations and their corresponding phonological and orthographic lexical forms. *Memory & Cognition* (2014 IF: 2.457, 5-year IF: 2.31; ranked 33/118 in experimental and cognitive psychology, 60/431 in arts and humanities, 196/1775 in medicine)

Papers under revision (revise and resubmit requests)

Bitan, T; Kaftori, A., Meiri-Leib, A; Eviatar, Z., & **Peleg, O.** Phonological ambiguity modulates resolution of semantic ambiguity during reading: An fMRI study. *Cortex* (2014 IF=5.128; 5-year IF: 5.01; ranked 69/509 in neuroscience)

Papers under review

Norman, T., Degani, T., & **Peleg, O.** (under review). Morphological processing during visual word recognition in Hebrew as a first and a second language. *Journal of Experimental Psychology: Learning Memory and Cognition* (2014 IF: 2.862; 5-year IF: 3.53; ranked 10/584 in language and linguistics, and 16/118 in experimental and cognitive psychology)

Papers under preparation

Peleg, O., Abd El-Raziq, M., Taha, N., & Degani, T. Phonological cross-linguistic effects in bilingual Arabic-Hebrew readers.

Peleg, O., Norman, T., & Segal, O. Ambiguity resolution in adolescents with autism.

Peleg, O., Norman, T., & Bergerbest, D. Phonological effects in visual word recognition: Evidence from the processing of two types of Hebrew acronyms.

Peleg, O., & Mashal, N. Phonological and semantic effects in visual word recognition.

Kreiner, H., Eviatar, Z., Degani, T., & **Peleg, O***. Dynamic relations among orthography, phonology and context: What can we learn from eye-movements of reading homophones and heterophones in a neutral vs. biasing context?

Peleg, O., Ozer, R., & Segal, O. Perceptual simulation during language comprehension within autistic youth

C.b. REFEREED ARTICLES in Books

1. **Peleg, O.**, Giora, R., & Fein, O. (2004). Contextual strength: The whens and hows of context effects. In I. Noveck & D. Sperber (Eds.), *Experimental Pragmatics* (pp. 172-186). Basingstoke: Palgrave. (no. of citations: 11)

2. **Peleg, O.**, Eviatar, Z., Hazan, H., & Manevitz, L. (2007). Differences and interactions between cerebral hemispheres when processing ambiguous homographs. In L. Paletta and E. Rome (Eds.), *Attention in cognitive systems. Theories and Systems from an Interdisciplinary Viewpoint* (pp. 372-386). Berlin Heidelberg: Springer-Verlag. (no. of citations: 4)

3. **Peleg, O.**, Giora, R. (2011). Salient meanings: The whens and wheres. In: Kasia M. Jaszczolt and Keith Allan (Eds.) *Salience and Defaults in Utterance Processing. Mouton Series in Pragmatics* (pp. 35-52). General Editor: Istvan Kecskes. Berlin/New York: Mouton de Gruyter

4. **Peleg, O.**, & Eviatar, Z. (2012). Understanding written words: Phonological, lexical and contextual effects in the two cerebral hemispheres. In M. Faust (Ed.). *The Handbook of the Neuropsychology of Language*, (Vol. 1, pp. 59-76). Wiley-Blackwell. (no. of citations: 6)

E. REFEREED ARTICLES IN CONFERENCE PROCEEDINGS

1. **Peleg, O.**, Eviatar, Z., Manevitz, L., & Hazan, H. (2007). Using Neural Network Models to Model Cerebral Hemispheric Differences in Processing Ambiguous Words. *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI07). Neural-Symbolic Learning and Reasoning (NeSy'07)*. CEUR Workshop Proceedings, Vol. 230, ISSN 1613-0073. 6 pages (no. of citations: 1)

2. Eviatar, Z., Hazan, H., Manevitz, L., **Peleg, O.**, and Timor, R. (2010). Interactions between hemispheres when disambiguating homograph words during silent reading. In *Proceedings of the International Conference on Fuzzy Computation and 2nd International Conference on Neural Computation*, 271-278.