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YOSEF GRODZINSKY

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INSTITUTE FOR NEUROSCIENCE AND MEDICINE (INM-1)
Forschungszentrum Jülich, Germany

RESEARCH INTERESTS

Neurolinguistics, brain mapping and functional neuroanatomy, aphasic syndromes and their rehabilitation, assistive technologies for communication, psycholinguistics and the measurement of language behavior, cognitive science.

EDUCATION

B.Sc., The Hebrew University of Jerusalem, 1981.
Ph.D., Brandeis University, 1985. Thesis supervisors: Noam Chomsky, Edgar Zurif.
Post-doc, Center for Cognitive Science, MIT, 1984-1986 (supervisor: Noam Chomsky).

APPOINTMENTS

Current

2013- Professor, Edmund and Lily Safra Center for Brain Research and Department of Cognitive Science, the Hebrew University, Jerusalem.
2021- Scientific Associate, Institute for Neuroscience and Medicine (INM-1), Forschungszentrum Jülich, Germany.

Previous

2011-2020 Visiting Professor, Institute for Neuroscience and Medicine (INM-1), Forschungszentrum Jülich, Germany.
2014-2016 Director, Language, Logic and Cognition Center, the Hebrew University, Jerusalem.
2002-2014 Professor and Senior Canada Research Chair in Neurolinguistics, Department of Linguistics, McGill University.
2002-2014 Associate Member, Department of Neurology/Neurosurgery, McGill University.
2002-2014 Principal Member, Centre for Research on Language, Brain, and Music, McGill University.
2008 Professeur Invité, Department des Études Cognitives, École Normale Supérieure, Paris.
2007-2012 Adjunct Research Professor, School of Speech, Language and Hearing Sciences, College of Health and Human Services, San Diego State University.
2005 Faculty, LSA Summer Institute of Linguistics, MIT/Harvard.
1999-2000 Visiting Professor, Department of Psychology and Program in Linguistics, Princeton University.
1987-2005 Lecturer to Professor, Department of Psychology, Tel Aviv University.
1985-2005 Assistant to Full Research Professor, Department of Neurology, Boston University School of Medicine.
1986-1990 Research Affiliate, Center for Cognitive Science, MIT.

AWARDS AND HONORS

2002-2014 Senior (Tier I) Canada Research Chair in Neurolinguistics at McGill University.
2010-2012 Presidential Visiting Professorship, Edmund and Lily Safra Center for Brain Research and Department of Cognitive Science, the Hebrew University, Jerusalem.
2007-2008 Humboldt Senior Researcher Award, Alexander von Humboldt Stiftung, Germany (at the Institut für Medizin, Forschungszentrum Jülich, and Max Planck Institute for Cognitive & Brain Science, Leipzig).
2007 Lady Davis Visiting Professorship, the Hebrew University of Jerusalem.
1988-1989 Rothschild Fellowship, Israel.
1987-1990 Alon Fellowship, Israel Council for Higher Education.
1986-1989 Israel Institute for Psychobiology Post-doctoral Fellowship, The Hebrew University of Jerusalem.
1984-1986 A. P. Sloan Post-doctoral Fellowship, Center for Cognitive Science, MIT.

KEYNOTE ADDRESSES AND NAMED LECTURES

2020: Keynote speaker, International Society of Experimental Linguistics EXLING20, Athens, October (Zoom).
2020: Keynote speaker, Science of Aphasia XXI, Venice (postponed).

- 2018: Keynote speaker, The International Symposium on the Cognitive Neural Mechanisms of Language (ISCNML), Qufu Normal University (Rizhao), December.
- 2015: Keynote speaker, Linguistic and Cognitive Aspects of Quantification, Hungarian Academy of Science, Budapest, October.
- 2014: Keynote speaker, International Conference on Formal Linguistics, Tsinghua University, Beijing, November.
- 2011: Keynote speaker, PROLEN 2011, University of Buenos Aires, May.
- 2011: Keynote speaker, Chicago Linguistic Society 47, University of Chicago, April.
- 2009: Andrew W. Mellon Distinguished Visitor in Linguistics, Central New York Humanities Corridor (Cornell-Rochester-Syracuse), November.
- 2008: Keynote speaker, The 16th meeting of the European Society for Philosophy and Psychology, Utrecht, June.
- 2007: Keynote speaker, Annual Retreat, Zlotowski Center for Neuroscience, Ben Gurion University, February.
- 2006: Keynote speaker, The Greek Conference on Language Disorders, Patras, Greece, June.
- 2005: Keynote speaker, Generative Approaches to Language Acquisition (GALA), Siena, Italy, September.
- 2005: Keynote speaker, The Clinical Aphasiology Conference (CAC), Florida, May.
- 2003: Keynote speaker, The Israeli Neuropsychological Society Annual Meeting, Tel Aviv, February.
- 2002: Keynote speaker, The 2nd Conference on Natural Language Processing, Venice, Italy, October.
- 1999: Keynote speaker, The Neurolinguistics Conference, University of Buenos Aires, Argentina, May.
- 1996: Keynote speaker, The Dutch-German Society of Clinical/Applied Linguistics, Groningen, Holland, November.

INVITED LECTURE SERIES AND MINI-COURSES

- 2023: Topics in Neurolinguistics, Mini-course, Summer Institute of Linguistics, University of Massachusetts, Amherst (planned).
- 2022: Introduction to Neurolinguistics, Mini-course, 4th Crete Summer School of Linguistics, Rethymnon, Greece, (planned).
- 2020: Introduction to Neurolinguistics, Mini-course, 4th Crete Summer School of Linguistics, Rethymnon, Greece, July (cancelled).
- 2019: Introduction to Neurolinguistics, Mini-course, 3rd Crete Summer School of Linguistics, Rethymnon, Greece, July.
- 2018: Neurolinguistics, Mini-course, Department of Linguistics, Moscow Higher School of Economics, November.
- 2018: Neurolinguistics, Mini-course, Department of Linguistics, University of Groningen, June.
- 2016: Neurolinguistics, Mini-course, Department of Linguistics, Ca' Foscari University, Venice, October.
- 2009: Neurolinguistics: functional Anatomy and pathology of language. Mini-course (with Katrin Amunts and Karl Zilles), Joint doctoral Program in Neurolinguistics, UC San Diego and San Diego State University, February.
- 2008: Brain maps for syntax and semantics. Mini-Course, Department des Études Cognitives, École Normale Supérieure, Paris, November.
- 2008: Brain maps for syntax and semantics. Mini-course, Netherlands Summer Graduate School of Linguistics (LOT), Utrecht, July.
- 2008: Neurolinguistics: functional Anatomy and pathology of language. Mini-course (with Katrin Amunts), Interdisciplinary Center for Neural Computation, the Hebrew University of Jerusalem, March.
- 2005: Neurosyntax. Summer Institute of Linguistics, MIT, July.
- 2004: The Neuroscience of Language. Mini-course, Inter-University School of Linguistics and Cognitive Science, Universita Autonoma, Barcelona, May.
- 2004: Neuroimaging of language. Mini-course, Departments of Linguistics and Psychology, University of Geneva, November.
- 2003: Neurosyntax. Mini-course, Fall School, Department of Cognitive Studies, École Normale Supérieure, Paris, October.
- 1996: Neurolinguistics. Master Class lecture series (with Edgar Zurif), Groningen University School of Behavioral and Cognitive Neuroscience, Holland, July.
- 1996: Neurolinguistics. Lecture series, Department of Linguistics, Federal University, Rio de Janeiro, Brazil, October.
- 1995: Language and the brain. Lecture series, Department of Linguistics, Federal University, Rio de Janeiro, Brazil, August.
- 1992: The representation of linguistic functions in the brain. Lecture series, College of Neurophysics, International Center for Theoretical Physics, Trieste, Italy, March.

GRANT SUPPORT

2020-2022	Edmund and Lily Safra Center for Brain Research internal grant	(\$20,000)
2019-2021	Edmund and Lily Safra Center for Brain Research internal grant (with Yonatan Loewenstein and Leo Joskowicz)	(\$100,000)
2016-2020	Israel Science Foundation grant “A multi-modal approach to polarity and quantification: behavioral and imaging-based investigations in health and in brain disease”	(\$212,000)
2013-2018	Edmund and Lily Safra Center for Brain Research start-up grant	(\$250,000)
2013-2017	SSHRC Insight grant “Language acquisition and breakdown: experiments with quantifiers and quantities at the syntax-semantics interface” (terminated Aug. 2015 due to resignation from McGill)	(CAD 495,717)
2009-2015	Canada Research Chairs Tier I grant “The processing of phonetically silent categories in the brain”	(CAD 1,400,000)
2009-2012	SSHRC standard grant “Semantic composition in health and in brain disease”	(CAD 158,680)
2011-2012	RWTH-Aachen ERS Guest Professor grant	(Euro 16,800)
2010-2012	Edmond & Lily Safra Center for Brain Sciences grant, the Hebrew University of Jerusalem	(\$30,000)
2007-2012	NIH (NIDCD) R01 grant “Sentence Processing in Normal and Aphasic Populations” (with L. Shapiro)	(\$1,062,500)
2007-2008	McGill Centre for Research on Language, Mind and Behavior grant “Dimensions of Semantic Processing: A Combined fMRI/ERP Study” (with K. Steinhauer)	(CAD 10,000)
2005-2008	SSHRC standard grant “The processing of intra-sentential dependency relations subsequent to focal brain damage”	(CAD 121,500)
2002-2008	Canada Research Chairs grant “The processing of phonetically silent categories in the brain”	(CAD 1,400,000)
2004-2005	McGill VP-research grant	(CAD 50,000)
2002-2006	Canada Foundation for Innovation infrastructure grant: “Neurolinguistics laboratory”	(CAD 168,000)
1999-2000	Research Grant, The Adams Super Center for Brain Research, Tel Aviv University: “Functional imaging of sentence processing”	(\$10,000)
1998-2002	Research Grant, U.S.-Israel Binational Science Foundation: “On-Line Computation of Long Distance Dependencies in Sentence Processing: Cross Modal Lexical Priming in Hebrew” (with L. Shapiro & D. Swinney)	(\$105,000)
1995-2000	Part of NIH (NINDCD) Center Grant to the Aphasia Research Center, Department of Neurology, Boston University School of Medicine (Project 2: “Structural representations in aphasia”)	(\$360,000)
1995-1997	Research Grant, Office of the Chief Scientist, Israel Ministry of Health: “Computerized diagnostic tools for aphasia”	(\$15,000)
1990-1995	Part of NIH (NINDCD) Center Grant to the Aphasia Research Center, Department of Neurology, Boston University School of Medicine (“Syntactic analyses of aphasia”)	(\$300,000)
1990-1993	Research grant, U.S.-Israel Binational Science Foundation: “The development of pronouns in grammar and discourse” (with T. Reinhart, K. Wexler)	(\$102,000)
1990-1991	Research grant, The Basic Research Foundation, the Israel Academy of Sciences	(\$15,000)
1988-1990	Research grant, Bat-Sheva de Rothschild Foundation for Science and Technology	(\$7,000)
1987-1990	Research grant, Israel Institute for Psychobiology, the Charles Smith Foundation	(\$10,000)
1987-1988	Research grant, Israeli Ministry of Absorption, Center for Absorption in Science	(\$5,000)
1985-1987	Part of NIH (NINCDS) block grant to the Aphasia Research Center, Boston University School of Medicine	(\$70,000)

INVITED CONFERENCE ADDRESSES (recent)

- 2019: Negation in the brain and the language-logic interface. International Brain and Syntax Think Tank. Workshop at Northwestern University, October.
- 2019: Logical operations in the brain. Workshop on “Reasoning, Argumentation, and Logic in Natural Language: Experiments and Models”. Ruhr University Bochum, April.
- 2017: Quantifier Polarity, Comparatives, and Verification Strategies. Cognitive Semantics and Quantities Workshop, University of Amsterdam Institute for Language, Logic and Information, September.
- 2016: Comments on Williamson. MIT conference on Exhaustivity, September.
- 2016: The neural dynamics of Verification Procedures: Neurological and linguistic implications. Psycholinguistic investigations into number and quantification in natural language. University of Wrocław, August.

- 2016: The Modularity of Language: Evidence from Selective Syntactic Deficits. Rehab Science & Technology Update (RSTU) 2016, Tel Aviv.
- 2014: Longitudinal assessment of the progression of PPA in cognition, language, brain structure, and brain function. Invited talk, *Euro PPA conference*, University of Munich, March (with Stefan Heim).
- 2014: Quantities and Quantifiers: Weber's Law, Monotonicity and Modularity. Invited talk, *McGill-MIT Workshop on Gradability and Quantity in Language and the Brain*, MIT, February.
- 2013: Quantities and Quantifiers: Weber's Law, Monotonicity and Modularity. Invited talk, Alice V. and Dave H. Morris International Symposium on Language and Communication "What Counts in Language and Cognition: Number and Quantification in the Mind/Brain" Department of Linguistics, Stony Brook University, September.
- 2013: Neural Substrates for Linguistic and Musical Abilities: A Neurolinguist's Perspective. Invited talk. *Music and Brains: The Surprising Link – An Interface between Music, Cognition and Neuroscience*. Edmund and Lily Safra Center for Brain Research, Hebrew University of Jerusalem, February.
- 2012: Quantifiers and quantities: Weber's Law in linguistic contexts. Invited address, *the McGill-Jülich Dialogue*, Forschungszentrum Jülich, June.
- 2012: From Language to Brain. *The 2012 ELSC/ ICNC Ein Gedi Retreat*, Hebrew University of Jerusalem, February.
- 2011: Aphasic patients fail to comprehend relatively simple sentence but succeed with complex ones. Invited address, *The Aphasia Workshop*, Haifa University, June.
- 2010: Parametric methods in fMRI studies of language processing. Invited Address, *The Donostia Workshop on Language Processing*, San Sebastian, July.
- 2010: Changing perspectives on the functions of some language areas. Invited Address, *Gardenpath Conference*, University of the Basque Country, San Sebastian, June.
- 2009: Changing perspectives on the functions of some language areas. Invited address, *the 3rd Vogt-Brodman Symposium*, Jülich, Germany, December.
- 2009: The battle for Broca's region. Invited debate, *the 1st Neurobiology of Language Conference*, Chicago, October.
- 2009: Comments on Snyder & Pylkkänen. Invited address, *Events Across Categories Conference*, Madrid. May.

BOARDS

- 2012- Editorial Board, *Brain Structure & Function*.
- 2009-2010 Organizing Committee, *The Neurobiology of Language Conference*.
- 2004-2013 Editorial Board, *Journal of Neurolinguistics*.
- 2004-2009 Editorial Board, *Canadian Journal of Linguistics*.
- 2003-2014 College of Reviewers, *Canada Foundation for Innovation*, New Opportunities Fund.
- 2002-2014 College of Reviewers, *Canada Research Chairs*.
- 2016-2017 Post-doctoral Committee, *SSHRC (Canada)*
- 2000-2014 Advisory Board, *Tokyo Conference on Psycholinguistics*.
- 1996- Editorial Board, *Journal of Psycholinguistic Research*.
- 1990-2009 Editorial Board, *Brain & Language*.
- 1985-1990 Editorial Board, *Cognition*.

SERVICE

Organization of Symposia and Workshops:

- 2019: International Brain and Syntax Think Tank. Workshop at Northwestern University, October (with C. Thompson)
- 2015: Logic, Language, Method: Yehoshua Bar-Hillel Centenary Symposium. The Israel Academy of Arts and Sciences, November.
- 2014: McGill-MIT Workshop on Gradability and Quantity in Language and the Brain, MIT, February (with M. Hackl).
- 2012: Neuro-Linguistic structure: theoretical linguistics meets experimental neuroscience. The McGill-Jülich Dialogue. Forschungszentrum Jülich, June (co-organized with K. Amunts).
- 2008: Invited symposium ("brain mapping of syntax and semantics"), 23rd Congress of Psychology, Berlin, July.
- 2004: Broca's Region Workshop, Jülich, Germany (co-organized with K. Amunts).
- 2000: Symposium on Syntax in Broca's area: a comparative perspective. TENNET XI, Montreal.
- 1996: Groningen Workshop in Neurolinguistics (co-organized with R. Bastiaanse).
- 1986: Symposium on theoretical approaches to language deficits. Academy of Aphasia, Nashville (with S. Crain).

Review Panels:

National Science Foundation, USA (NSF), Panel on Science and Technology Centers, Arlington, VA, January 2009.
Deutsche Forschungsgemeinschaft, Germany (DFG), Excellence Initiative and Graduate Schools in Neuroscience, Bonn, June 2006.

Grant Reviews:

Canada: Canada Foundation for Innovation (CFI); Canada Research Chairs (CRC); Canada Social Science and Humanities Research Council (SSHRC); Canada Institute for Health Research (CIHR).

England: The Wellcome Trust, London; the British Academy.

Europe: European Science Foundation.

Germany: Deutsche Forschungsgemeinschaft (DFG); Germany-Israel Fund (GIF), Humboldt foundation.

Israel: Israel Academy of Science (ISF); Israel Educational Fund (Ford Foundation); Israel Ministry of Health; Israel Institute for Psychobiology.

The Netherlands: Netherlands Research Authority (NWO).

Switzerland: Fondation Nationale Suisse.

USA: National Science Foundation (NSF), U.S.-Israel Binational Science Fund (BSF).

Journal Reviews:

Linguistics: *Applied Linguistics, Glot International, Journal of Linguistics, Journal of Semantics, Language, Linguistic Inquiry, Linguistics, Natural Language & Linguistic Theory, The Linguistic Review.*

Language Acquisition: *Language Acquisition, Studies in Second Language Acquisition, Cognitive Development.*

Psychology: *Applied Psycholinguistics, Cognitive Science, Cognition, Language and Cognitive Processes, Perspectives in Psychological Science, Psychological Review, Psychological Science, Trends in Cognitive Science.*

Neuroscience: *American Journal of Speech & Language Pathology, Behavioral and Brain Sciences, Brain, Brain & Cognition, Brain Structure & Function, Cerebral Cortex, Journal of Cognitive Neuroscience, Journal of Neuroscience, Cortex, European Journal of Neuroscience, Frontiers in Auditory Cognitive Neuroscience, Human Brain Mapping, Nature Reviews Neuroscience, NeuroImage, Neuropsychologia, Philosophical Transactions of the Royal Society A, Proceedings of the National Academy of Science (USA).*

Other: *Anatomy & Embryology, Journal of Historical Sociology.*

Reviews for Publishers:

Blackwell, Haifa University Press, Israel Open University Press, Kluwer, MIT Press, Oxford University Press.

Conference Reviews:

CUNY Conference on sentence processing, EURESCO Science of Aphasia, Generative Approaches to Language Acquisition (GALA), Generative Linguists of the Old World (GLOW), Groningen Conference on Brain and Behavior, Israeli Association for Theoretical Linguistics (IATL), North Eastern Linguistic Society (NELS), Society for the Neurobiology of Language (SNL), TENNET, Tokyo Conference on Psycholinguistics (TCP), West Coast Conference on Formal Linguistics (WCCFL), Western Conference of Linguistics (WECOL).

TEACHING (selected courses, taught at the undergraduate and graduate level)

At Tel Aviv University (1986-2003): Introduction to Cognitive science; Introduction to Psychology; Psycholinguistics; Neurolinguistics; Psychology, Language and the Brain; Neuropsychology; Neuropsychology of Language; Dyslexia; Science in the Service of Humanity.

At Princeton University (1999-2000): Brain and Language; Language and Mind.

At McGill University (2002-2013): Neuroscience of language; Advanced Language Acquisition; Language Acquisition and Breakdown; Experimental linguistics; Language, Cognition and the Brain; Semantics & Pragmatics: theory and experimentation.

At the Hebrew University (2007, 2010-): Brain maps for syntax and semantics; Experimental methods and psycho- and neuro-linguistics; Experimental Semantics & Pragmatics, Modularity and Cognitive Architecture, Cognitive Processes, Introduction to the Study of Language, The Highest Cognition.

STUDENTS

Post-doc Andreas Haida (HUJI). Currently: Oracle

Brian Buccola (co-supervised with Luka Crnić). Currently: post-doc, Assistant Professor, Department of Linguistics, Michigan State University.

Isabelle Deschamps (at McGill). Currently: Faculty member, Georgian College, Ontario.

Margaret Grant (at McGill). Currently: Research Associate, Humboldt University of Berlin.

Andrea Santi (at McGill, jointly supervised with A. Friederici, MPI Leipzig). Currently: Associate Professor, University College, London.

Nino Grillo (at McGill). Currently: Lecturer, University of York.

Christiane Ulbrich (at McGill). Currently: Lecturer, University of Ulster.

Dan Drai (at TAU).

Ph.D. Supervisor:

Presently

I-An Tan (HUJI).

Past

Galit Agmon (co-supervised with Yonatan Loewenstein). Currently: post-doc, University of Pennsylvania;

Kim Behrent (RWTH Aachen, jointly supervised with Stefan Heim). Currently: physician, Duisburg; Andrea Santi (McGill University, 2008). Currently: Associate Professor, University College, London;

Michal Ben-Shachar (Tel Aviv University, 2004). Currently: Senior Lecturer, Bar-Ilan University;

Na'ama Friedmann (Tel Aviv University, 1998). Currently: Professor, Tel Aviv University;

Daniel Roth (Tel Aviv University, 1993). Deceased.

Ph.D. Committee member or External Examiner:

Jonathan Bain (Hebrew University, 2019);

Micha Breakstone (Hebrew University, 2015);

Io Salmons (Universitat Autònoma de Barcelona, 2015);

Nino Grillo (Utrecht University & University of Siena, 2009);

Cécile Monjauze (Université Tours, 2007);

Ineke van der Meulen (Leiden University, 2005);

Rachel Kidron (Tel Aviv University, 2004);

Shalom Zuckerman (Groningen University, 2002);

Roel Jonkers (Groningen University, 1998);

Monica Sanchez (University of British Columbia, 1996).

M.A.

Presently

Nitzan Kugler-Etinger, Tsahi Asher, Nir Segal (HUJI);

Past

Assaf Brown (HUJI, 2021);

Reda-Mohammed Mejbar (Erasmus at Groningen, 2019);

Nora Bittner (University of Düsseldorf, 2014). Currently: PhD student, University of Düsseldorf;

Barbara Seidel (RWTH-Aachen, 2009). Currently: PhD student RWTH, Aachen;

Reem Khamis (Tel Aviv University, 2002). Currently: Associate Professor, Adelphi University, NY;

Rama Gerstein (Tel Aviv University, 1999); Currently: Senior Lecturer, Haifa University.

Na'ama Friedmann (Tel Aviv University, 1994).

Michal Ben-Shachar (Tel Aviv University, 1998).

Shalom Zuckerman (Tel Aviv University, 1995). Currently: Lecturer, Utrecht University.

Danny Fox (Tel Aviv University, 1993). Currently: Anshen-Chomsky Professor, MIT.

Aviah Gvion (Tel Aviv University, 1990). Currently: Lecturer, Kiryat Ono College.

Daniel Roth (Tel Aviv University, 1990). Deceased.

Honors

Joshua Levy (McGill University, 2009); Michael Gaebler (University of Osnabrück, 2006); Ellen House Kogut, (McGill University, 2006); Kathlyn Clark (McGill University, 2005); Josée Poirier (McGill University, 2003).

PUBLICATIONS

Books

2. Grodzinsky, Y. 1993. פסיכולוגיה ושפה. (Psychology and Language). Tel Aviv: Ha-kibbutz Ha-me'uchad and The Jerusalem Van-Leer Institute.

1. Grodzinsky, Y. 1990. *Theoretical Perspectives on Language Deficits*. Cambridge, MA: MIT Press [the introduction and a review by S. Crain in *Language* are reprinted as chapters 11-12 in Carlos Otero, ed., *Noam Chomsky: Critical Assessments*. New York: Routledge, 1994, available in Google.books].

Edited books

4. Grodzinsky, Yosef & Katrin Amunts (eds.). 2006. *Broca's Region*. New York: Oxford University Press.

3. Grodzinsky, Yosef, Lewis Shapiro & David Swinney, (eds.). 2000. *Language and the Brain: Representation and Processing*. San Diego: Academic Press.
 2. Bastiaanse, Roelien & Yosef Grodzinsky (eds.). 1999. *Grammatical Disorders in Aphasia: A Neurolinguistic Perspective*. London: Whurr Publishers.
 1. Grodzinsky, Yosef (ed.). 1993. *Grammatical Investigations of Aphasia*. Special issue – *Brain & Language*, 45.3.
- Articles**
89. Grodzinsky, Yosef, Peter Pieperhoff & Cynthia Thompson. In press. Stable brain loci for the processing of complex syntax: a review of the current neuroimaging evidence. *Cortex*, in press.
 88. Agmon, Galit, Yonatan Loewenstein and Yosef Grodzinsky. In press. Negative sentences exhibit a sustained effect in delayed verification tasks. *Journal of Experimental Psychology: Learning, Memory and Cognition*.
 87. Yosef Grodzinsky, Kim Behrent, Galit Agmon, Nora Bittner, Christiane Jockwitz, Svenja Caspers, Katrin Amunts & Stefan Heim. 2021. A linguistic complexity pattern that defies aging: The processing of multiple negations. *Journal of Neurolinguistics* vol. 58.
 86. Grodzinsky, Yosef, Virginia Jaichenco, Isabelle Deschamps, María-Elina Sánchez, Martin Fuchs, Peter Pieperhoff, Yonatan Loewenstein, Katrin Amunts. 2020. Negation and the brain: experiments in health and in focal brain disease, and their theoretical implications. In Viviane Deprez & Maria Teresa Espinal, eds., *Oxford Handbook of Negation*. NY: Oxford University Press.
 85. Grodzinsky, Yosef, Isabelle Deschamps, Peter Pieperhoff, Francesca Iannilli, Galit Agmon, Yonatan Loewenstein & Amunts, K., 2020. Logical negation mapped onto the brain. *Brain Structure and Function*, 225(1), 19-31. DOI: <https://doi.org/10.1007/s00429-019-01975-w>.
 84. Agmon, Galit, Yonatan Loewenstein & Yosef Grodzinsky. 2019. Measuring the cognitive cost of downward monotonicity by controlling for negative polarity. *Glossa: A Journal of General Linguistics*, 4(1), 36. DOI: <http://doi.org/10.5334/gjgl.770>.
 83. Grodzinsky, Yosef, Isabelle Deschamps & Lewis P. Shapiro. 2019. Young Children and Patients with Broca's aphasia can reconstruct elided VPs. In Jeroen van Cranenbroeck & Tania Temmerman, eds., *Oxford Handbook of Ellipsis*, 425-443. NY: Oxford University Press. DOI: 10.1093/oxfordhb/9780198712398.013.19
 82. Andreas Haida, Luka Crnić and Yosef Grodzinsky. 2018. On the impediment of logical reasoning by non-logical inferential methods. In: Uli Sauerland and Stephanie Solt (eds.), *Proceedings of Sinn und Bedeutung*, 22, vol. 1, ZASPiL 60, pp. 453–468. ZAS, Berlin.
 81. Yosef Grodzinsky, Galit Agmon, Kedem Snir, Isabelle Deschamps & Yonatan Loewenstein. 2018. The Analysis of less-Comparatives: Evidence from the Processing Cost of Downward Entailingness. In: Uli Sauerland and Stephanie Solt (eds.), *Proceedings of Sinn und Bedeutung*, 22, vol. 1, ZASPiL 60, pp. 435–451. ZAS, Berlin.
 80. Holbaum, K. K. Dressel, I. Lange, B. Wellner, L. Etchevery Saez, W. Huber, M. Grande, K. Amunts, Y. Grodzinsky & S. Heim. 2018. Sentence repetition deficits in the logopenic variant of PPA: linguistic analysis of longitudinal and cross-sectional data. *Aphasiology*, 32, pp. 1445-1467.
 79. Grodzinsky, Y. 2017. Rule-I, intensional predicates, and children's pronominal reference assignment. In LaCara, Nicholas, Moulton, Keir, & Tessier, Anne-Michelle, "A Schrif to Fest Kyle Johnson". *Linguistics Open Access Publications*, 1, pp. 141-150.
 78. Grodzinsky, Yosef. 2016. Neural substrates for linguistic and musical abilities: a neurolinguist's perspective. In Ida Toivonen, Piroska Csúri, Emile van der Zee, eds. *Structures in the Mind: Essays on Language, Music, and Cognition in Honor of Ray Jackendoff*. MIT Press.
 77. Santi, Andrea, Angela D. Friederici, Michiru Makuuchi, and Yosef Grodzinsky. 2015. An fMRI study dissociating distance measures computed by Broca's area in movement processing: clause boundary vs. identity. *Frontiers in Psychology*. 20 May 2015. <http://dx.doi.org/10.3389/fpsyg.2015.00654>.
 76. Deschamps, Isabelle, Galit Agmon, Yonatan Loewenstein & Yosef Grodzinsky. 2015. The Processing of Polar Quantifiers, and Numerosity Perception. *Cognition*, 143, pp. 115-128.
 75. Grodzinsky, Yosef & Israel Nelken. 2014. The Neural Code That Makes Us Human. *Science*, 343, pp. 978-9. DOI: 10.1126/science.1251495.
 74. Grodzinsky, Yosef. 2013. Dos problemas en syntaxis experimental. In Virginia Jaichenco & Yamilla Sevilla, eds. *Psicolingüística en español*, pp. 277-303. Buenos Aires: University of Buenos Aires Press.
 73. Grodzinsky, Yosef. 2013. The mirror theory of language: a neuro-linguist's perspective. In I. Laka, M. Sanz & M. Tanenhaus, eds., *The Cognitive and Biological Basis for Linguistic Structure: New Approaches and Enduring Themes*. New York: Oxford University Press.

72. Makuuchi, Michiru, Yosef Grodzinsky, Katrin Amunts, Andrea Santi & Angela Friederici. 2013. Processing Noncanonical Sentences in Broca's Region: Reflections of Movement Distance and Type. *Cerebral Cortex*, 23 (3), pp. 694-702.
71. Etcheverry, Louise, Barbara Seidel, Marion Grande, Stephanie Schulte, Peter Pieperhoff, Martin Südmeyer, Martina Minnerop, Ferdinand Binkofski, Walter Huber, Yosef Grodzinsky, Katrin Amunts & Stefan Heim. 2012. The time course of neurolinguistic and neuropsychological symptoms in three cases of logopenic primary progressive aphasia. *Neuropsychologia*, 50, 1708-1718.
70. Heim, Stefan, Katrin Amunts, Dan Draï, Simon Eickhoff, Sara Hautvast & Yosef Grodzinsky. 2012. The language-number interface in the brain: A complex parametric study of quantifiers and quantities. *Frontiers in Evolutionary Neuroscience*, 4.4. doi: 10.3389/fnevo.2012.00004.
69. Santi, Andrea & Yosef Grodzinsky. 2012. Broca's area and Sentence Comprehension: A Relationship Parasitic on Dependency, Displacement or Predictability? *Neuropsychologia*, 50, pp. 821-832.
68. Grodzinsky, Yosef. Two puzzles in experimental syntax and semantics. In Carissa Abrego-Collier, Arum Kang, Martina Martinovic & Chieu Nguyen, eds., *Proceedings of the Chicago Linguistic Society 47*, Volume 47, Number 2, July 2011, pp. 41-64. Chicago: University of Chicago Press.
67. Grodzinsky, Yosef. 2010. A clearer view of the linguistic brain: reply to Fedorenko and Kanwisher. *Language and Linguistic Compass*, 4, pp. 605-622.
66. Santi, Andrea & Yosef Grodzinsky. 2010. fMRI Adaptation Dissociates Syntactic Complexity Dimensions. *NeuroImage*, 51, pp. 1285-1293.
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64. Grodzinsky, Yosef & Andrea Santi. 2009. Reply to Willems & Hagoort: An Imperfect Theory Gets You Further than Random Facts. *Trends in Cognitive Sciences*, 13.3, p. 102.
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CONFERENCE PRESENTATIONS (recent)

- Heim, Stefan, Wiebke Kuijsten, Barbara Seidel, Louise Etcheverry, Marion Grande, Stefanie Schulte, Walter Huber, Yosef Grodzinsky & Katrin Amunts. (2010). Hirnfunktionelle Reorganisation bei flüssiger primär-progressiver Aphasie (PPA): Eine fMRT-Verlaufsstudie zu lexikalischer Verarbeitung. GAB.
- Heim, Stefan, Katrin Amunts, Dan Drai, Simon Eickhoff, Sarah Hautvast, & Yosef Grodzinsky. (2010) The language-number interface in the brain: A bi-parametric study of quantifiers and quantities. Paper presented at the 2nd Neurobiology of Language Conference, San Diego, November.
- Michiru Makuuchi, Andrea Santi, Yosef Grodzinsky & Angela Friederici (2010). Neural mechanisms for the processing of movement and scrambling constructions. Society for Neuroscience, San Diego, November.
- Santi, Andrea, Michiru Makuuchi, Angela Friederici & Yosef Grodzinsky (2010). A parametric study of movement relations. Paper presented at the 2nd Neurobiology of Language Conference, San Diego, November.
- Walenski, Matthew, Tracy Love, Michelle Ferrill, Isabelle Deschamps, Peter Pieperhoff, Katrin Amunts, Yosef Grodzinsky, and Lewis P. Shapiro (2012). Structure-function correspondences in Broca's aphasia: Evidence from MRI and comprehension of verb phrase ellipsis constructions. Clinical Aphasiology Conference, Lake Tahoe, May.

- Grodzinsky, Yosef, Tracy Love, Michele Ferrill, Roberto Gutierrez, Isabelle Deschamps, Peter Pieperhoff, Katrin Amunts, Lewis Shapiro (2012). Broca's region and aspects of negation: a new selectivity pattern in Broca's Aphasia, and a model. Neurobiology of Language Conference, San Sebastian, October.
- Agmon, Galit, Yonatan Loewenstein, Yosef Grodzinsky (2016). Less is more: negative polarity in quantifiers is more difficult to process than negative polarity in adjectives. Paper presented at the Society for Neurobiology of Language, London, August.
- Grodzinsky, Yosef, Galit Agmon, Isabelle Deschamps (2016). Quantifier Polarity Processing and Numerical Comparison: fMRI results show striking Modularity. Paper presented at the Society for Neurobiology of Language, London, August.
- Yosef Grodzinsky, Galit Agmon, Yonatan Loewenstein and Isabelle Deschamps (2017). Combinatorial Semantics is Computed in the Left Anterior Insula and is Modular. Israeli Society for Cognitive Psychology IS COP 4, Akko, February.
- Galit Agmon, Isabelle Deschamps, Yonatan Loewenstein and Yosef Grodzinsky (2017). Less is More: Differences in the Processing of Negative Polarity in Quantifiers and in Adjectives. Israeli Society for Cognitive Psychology IS COP 4, Akko, February.
- Kim Behrent, Nora Bittner, Christiane Jockwitz, Svenja Caspers, Katrin Amunts, Stefan Heim, & Yosef Grodzinsky (2017). Complex combinatorial linguistic abilities that are NOT affected by aging. Poster presented at TeaP, the 59th Conference of Experimental Psychologists (Tagung experimentell arbeitender Psychologen), Dresden, March.
- Yosef Grodzinsky, Galit Agmon, Kedem Snir, Isabelle Deschamps & Yonatan Loewenstein (2017). The Analysis of less-Comparatives: Evidence from the Processing Cost of Downward Entailingness. Talk at Sinn und Bedeutung 22, Berlin/Potsdam.
- Andreas Haida, Luka Crnić and Yosef Grodzinsky (2017). On the impediment of logical reasoning by non-logical inferential methods. Special session "Semantics and Natural Logic" Talk at Sinn und Bedeutung 22, Berlin/Potsdam.
- Tan, I-An, Assaf Brown, Andreas Haida and Yosef Grodzinsky. 2019. *The processing of polar quantifiers coupled with negation*. The 35th Annual conference of the Israeli Association for Theoretical Linguistics (IATL 35), Ra'anana.

INVITED SEMINARS AND COLLOQUIA

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