Raj Singh

CONTACT
INFORMATION

Carleton University
Institute of Cognitive Science
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EDUCATION

Ph.D. Linguistics, MIT, 2008
Five-Year Specialist Program in Semantics
Minor: Brain and Cognitive Sciences
Thesis: *Modularity and Locality in Interpretation*
Thesis Committee: Kai von Fintel, Danny Fox, Irene Heim, Robert Stalnaker

MS Logic, Universiteit van Amsterdam, Institute for Logic, Language, and Computation, 2002
Thesis Committee: Henk Zeevat (chair), Reinhard Blutner, Remko Scha

Honours B.Sc. Mathematics & Philosophy, University of Toronto, 2001

EMPLOYMENT

Associate Professor, Institute of Cognitive Science, Carleton University, as of 1 July 2014

Assistant Professor, Institute of Cognitive Science, Carleton University, 1 July 2009 - 30 June 2014

Postdoctoral Fellow, Department of Brain and Cognitive Sciences and Department of Linguistics and Philosophy, MIT, 2008-2009

PROFESSIONAL
HONOURS

FASS Teaching Award, Carleton University, 2011

RESEARCH
INTERESTS

Formal semantics, formal pragmatics, philosophical logic, language processing, language acquisition

CHAPTERS IN
EDITED BOOKS

"A note on local accommodation". In Luka Crnič and Uli Sauerland (eds.), *The Art and Craft of Semantics: A Festschrift for Irene Heim*, vol. 2, MITWPL 71, pp. 155-173, 2014.

"Two Constraints on Possible Connectives" (with Roni Katzir). In L. Paperno and A. Szabolcsi (eds.), *Festschrift for Ed Keenan*, UCLA Working Papers in Linguistics, Vol. 17(18), 2012, p.154-162.

"A Note on the Absence of XOR in Natural Language" (with Roni Katzir). In P. Egré and G. Magri (eds.), *Proceedings of MIT-France Workshop on Scalar Implicature and Presupposition*, MIT Working Papers in Linguistics, Vol. 60, 2009, p.123-134.

REFEREED JOURNAL ARTICLES

"Children interpret disjunction as conjunction: Consequences for the theory of implicature and child development" (with Andrea Astle, Deepthi Kamawar, Ken Wexler, and Danny Fox). In press, *Natural Language Semantics*, 2016.

"Training and timing local scalar enrichments under global pragmatic pressures" (with Emmanuel Chemla and Chris Cummins). In press, *Journal of Semantics*, 2016.

"Accommodating presuppositions is inappropriate in implausible contexts" (with Evelina Fedorenko, Kyle Mahowald, & Edward Gibson). *Cognitive Science*, 40(3), pp. 607-634, 2016.

"Remarks on the Experimental Turn in the Study of Scalar Implicature" (with Emmanuel Chemla). *Language and Linguistics Compass*, 8(9), Part I: p.373-386, Part II: p.387-399, 2014.

"Constraints on the Lexicalization of Logical Operators" (with Roni Katzir). *Linguistics and Philosophy*, 36, p.1-29, 2013.

"A Note on Presupposition Accommodation" (with Roni Katzir). *Semantics and Pragmatics*, 5, p.1-16, 2013.

"*Maximize Presupposition!* and Local Contexts." *Natural Language Semantics*, 19, p.149-168, 2011.

"On the Interpretation of Disjunction: Asymmetric, Incremental, and Eager for Inconsistency." *Linguistics & Philosophy*, 31, p.245-260, 2008.

UNDER REVIEW

"Presupposition projection: Global accommodation, local accommodation, and scope ambiguities." Invited handbook article under review for *Companion to Semantics*, Edited by Lisa Matthewson, Cécile Meier, Hotze Rullmann, and Thomas Ede Zimmermann, 2015, 37 pages.

CONFERENCE PROCEEDINGS

"Economy of structure and information" (with Roni Katzir). In Eva Csipak

and Hedde Zeijlstra (eds.), *Proceedings of Sinn und Bedeutung 19*, p.302-319, 2015.

"On the morphosyntactic representation of dependent quantification: Distance distributivity, dependent indefinites, and Skolemization" (with Dejan Milačić and Ida Toivonen). In Eva Csipak and Hedde Zeijlstra (eds.), *Proceedings of Sinn und Bedeutung 19*, p.411-425, 2015.

"Hurford disjunctions: Embedded exhaustification and structural economy" (with Roni Katzir). In U. Etxeberria, A. Fualuaus, A. Irurtzun and and B. Leferman (eds.), *Proceedings of Sinn und Bedeutung 19*, Bayonne and Vitoria-Gasteiz, 2013, p.201-216.

"Symmetric and Interacting Alternatives for Implicature and Accommodation." In N. Klinedinst and D. Rotschild (eds.), *Proceedings of European Summer School in Logic, Language, and Information 2009 Workshop: New Directions in the Theory of Presupposition*, Bordeaux, 2009.

"*Maximize Presupposition!* and Informationally Encapsulated Implicatures." In A. Riester and T. Solstad (eds.), *Proceedings of Sinn und Bedeutung 13, Vol. 5*, Stuttgart, 2009, p.513-526.

"Formal Alternatives as a Solution to the Proviso Problem." In T. Friedman and M. Gibson (eds.), *Proceedings of Semantics and Linguistic Theory 17*, Ithaca, NY: Cornell University, CLC Publications, p.264-281, 2007.

"Eager for Distinctness." In J. Huitink and S. Katrenko (eds.), *Proceedings of the Eleventh European Summer School in Logic, Language, and Information Student Session*, Malaga, Spain, p.76-89, 2006.

TECHNICAL REPORTS	"A Study of Optimality Theory and the Human Sentence Processing Mechanism." ILLC Publications, Master of Logic Thesis Series, 2002.
EDITORIAL RESPONSIBILITIES	Serve on editorial board of *Semantics and Pragmatics*, *Journal of Semantics*

Reviewer for the following journals: *Natural Language Semantics*; *Journal of Semantics*; *Semantics and Pragmatics*; *Journal of Logic, Language, and Information*; *Linguistics and Philosophy*; *Journal of Linguistics*; *Lingua*; *Europe's Journal of Psychology*; *Journal of Memory and Language*, *Psychonomic Bulletin and Review*

Reviewer for the following conferences: *Annual Meeting of the Cognitive Science Society*, *Semantics and Linguistic Theory*, *Northeast Linguistic*

Society, Sinn und Bedeutung, Generative Linguistics in the Old World;
West Coast Conference on Formal Linguistics

Reviewer for *National Science Foundation*, USA.

CONFERENCE
& WORKSHOP
PRESENTATIONS

"The effect of context-dependence in the processing of Persian NPs" (with Pegah Nikravan and Masako Hirotani). *28th CUNY Conference on Human Sentence Processing*, University of Southern California, Los Angelas, March 21 2015.

"Economy of structure and information' '(with Roni Katzir). *Sinn und Bedeutung 19*, Georg August University, Göttingen, Sept 19 2014.

"On the morphosyntactic representation of dependent quantification: Distance distributivity, dependent indefinites, and Skolemization" (with Dejan Milačić and Ida Toivonen). *Sinn und Bedeutung 19*,Georg August University, Göttingen, Sept 18 2014.

"Hurford disjunctions: Embedded exhaustification and structural economy" (with Roni Katzir). In U. Etxeberria, A. Fualuaus, A. Irurtzun and and B. Leferman (eds.), *Proceedings of Sinn und Bedeutung 19*, Bayonne and Vitoria-Gasteiz, 2013, p.201-216.

"Reading Hurford Disjunctions: Processing Evidence for Embedded Implicatures" (poster, with Chris Cummins and Emmanuel Chemla). *XPrag 2013*, Utrecht University, Sept 4, 2013.

"Hurford Disjunctions: Evidence for Embedded Exhaustification and Structural Economy" (poster, with Roni Katzir). *Sinn und Bedeutung 18*, University of the Basque Country, Sept 11, 2013.

"Implicature Cancellation and Exhaustivity." *Semantics and Linguistic Theory 22*, University of Chicago, May 18, 2012.

"Constraints on the Lexicalization of Logical Operators" (poster, with Roni Katzir). *50 Years of Linguistics at MIT*, MIT, December 9, 2011.

"Symmetric and Interacting Alternatives for Implicature and Accommodation." *European Summer School in Logic, Language, and Information 2009 Workshop: New Directions in the Theory of Presupposition*, Bordeaux, July 27, 2009.

"*Maximize Presupposition!* as Blind, Local Blocking." *Sinn und Bedeutung 13*, University of Stuttgart, Oct 2, 2008.

"A Solution to the Proviso Problem: Formal Alternatives, Relevance, and Accommodation." *Semantics and Linguistic Theory 17*, University of Connecticut, Storrs, CT. May 11, 2007.

"Updating Silence Dynamically." *European Summer School in Logic, Language, and Information*, Student Session, University of Malaga, Malaga, Spain. July 31, 2006.

INVITED
CONFERENCE
& WORKSHOP
PRESENTATIONS

"Commentary on *Non-deviant conditional presuppositions*." Invited commentary for paper delivered at the annual meeting of the Pacific APA (American Philosophical Association), San Francisco, April 2, 2016.

"Children Interpret Disjunction as Conjunction: Consequences for the Theory of Scalar Implicature" (joint work with Andrea Astle, Danny Fox, Deepthi Kamawar and Ken Wexler), *Exploring the Interfaces Workshop*, McGill University, May 24, 2013.

"Hurford Disjunctions and Embedded Implicatures." TOM 6 (Toronto-Ottawa-Montreal Workshop on Semantics), McGill University, March 23, 2013.

"*Avoid Ambiguity!*" (joint work with Roni Katzir). *Workshop on the Semantics and Pragmatics of Communication*, Carleton University, November 18, 2011.

"A Note on Ignorance Inferences." *Meeting of Semanticists Active in Canada 2*, McGill University, June 1, 2010.

"Formal Alternatives and Probabilistic Reasoning for Presupposition Accommodation." *Workshop on Presuppositions and Implicatures*, Institut Jean-Nicod, École Normale Supérieure, Paris. May 30, 2007.

INVITED TALKS
& COLLOQUIUA

"Conjunctive scalar implicatures". Invited colloquium delivered at the University of Ottawa, Department of Linguistics, Dec 2 2015.

"Distance distributivity and the semantics of indefinite noun phrases" (with Ida Toivonen). Invited talk delivered at MIT, Department of Linguistics and Philosophy, Nov 27 2015.

"Conjunctive scalar implicatures of disjunctive sentences". Invited colloquium delivered at the University of Toronto, Department of Linguistics, Oct 2 2015.

"On the preference for global accommodation over local accommodation". Invited talk delivered at the University of Toronto, Department of Linguistics, Oct 2 2015.

"Eliminating mechanisms that cancel presuppositions". Invited colloquium delivered at Concordia University, Department of Classics, Modern Languages, and Linguistics, Montreal, Nov 28 2014.

"Implicature and free-choice signatures: Embeddability, processing complexity, and child development." Invited colloquium delivered at MIT, Department of Linguistics and Philosophy, Feb 7, 2014.

"Disjunction, Acquisition, and the Theory of Scalar Implicature" (joint work with Andrea Astle, Danny Fox, Deepthi Kamawar and Ken Wexler), Departments of Linguisics and Psychology, Stanford University, April 12, 2012.

"Scalar Implicature and Cognitive Architecture," Departments of Linguistics and Psychology, Stanford University, April 11, 2012.

"The Proviso Problem," Department of Linguistics, The University of Ottawa, Oct 14, 2011.

"*Avoid Ambiguity!*" (joint work with Roni Katzir), Department of Psychology, Stanford University, Feb 24, 2011.

"Dissociating Theories of Presupposition Using On-line Acceptability Judgments" (with Evelina Fedorenko and Ted Gibson), Department of Linguistics, UMass Amherst, Nov 2, 2009.

"Informative Presuppositions and Presupposition Accommodation," Department of Linguistics and Philosophy and Department of Brain and Cognitive Sciences, Modularity Reading Group, MIT, Oct 29, 2009.

"When is a Discourse Referent Available?" (with Evelina Fedorenko and Ted Gibson), Language and Cognition Seminar, Departments of Linguistics and Psychology, Harvard University, Cambridge, April 20, 2009.

"Symmetric and Interacting Alternatives for Implicature and Accommodation." Formal Pragmatics Reading Group, Stanford University, Palo Alto, April 1, 2009.

"Symmetric and Interacting Alternatives for Implicature and Accommodation." Departments of Linguistics and Philosophy, Yale University, New Haven, March 2, 2009.

"Symmetric and Interacting Alternatives for Implicature and Accommodation." Language and Cognition Seminar, Departments of Linguistics and Psychology, Harvard University, Cambridge, Feb 23, 2009.

"Symmetric and Interacting Alternatives for Implicature and Accommodation." Institute of Cognitive Science, Carleton University, Ottawa, Jan 29, 2009.

"Economy and Intermediate Accommodation." Département D'Études Cognitives, École Normale Supérieure, Paris, March 7, 2008.

"Economy and Intermediate Accommodation." University of Amsterdam, Institute for Logic, Language, and Computation, March 4, 2008.

"Assertability Constraints and the Modularity of Presupposition Accommodation." University of St. Andrews, Arché Research Centre for Logic, Language, Metaphysics, and Epistemology, Feb 25, 2008.

"Intermediate Accommodation and the Strongest Meaning Hypothesis." UC Berkeley, Department of Linguistics, Jan 25, 2008.

"On the Proviso Problem for Presuppositions." UC Santa Cruz, Department of Linguistics, Jan 23, 2008.

"Modularity and Linguistic Inference." A series of talks presented to the Computational Cognitive Science Group, Department of Brain and Cognitive Sciences, MIT, Oct 17, 31, Nov 7, 2007.

"Presupposition and ERP: On Locating a Neural Signature for Presupposition Failure." Kuperberg Lab, Tufts University, March 26, 2007.

"A Solution to the Proviso Problem: Formally Defined Alternatives and Relevance." Xerox PARC, Natural Language Processing Laboratory, Palo Alto, CA. Dec 14, 2006.

"Dynamic Semantics: Meaning as Use." Two talks presented to the Gibson Lab weekly meeting, Department of Brain and Cognitive Sciences, MIT, Oct 11 & 18, 2006.

INVITED LECTURE SERIES'   One-week course on the connection between scalar implicature and lan-

guage processing (with Emmanuel Chemla), delivered at the Winter School on Exhaustivity in the joint HUJI/TAU graduate program in linguistics, the Hebrew University of Jerusalem, Israel, Dec 13 - Dec 17, 2015.

One-week course on the theory of scalar implicature at the Evelin Summer School at the University of Campinas, Brazil, Jan 10-14 2012

RESEARCH GRANTS

Statistics Canada Research Data Centre Microdata Access, Project titled 'Demographic information on deaths caused by Alcoholic Liver Disease in Canada', 2015-2018 (no monetary value; project allows access to Vital Statistics Database and National Household Survey)

SSHRC Insight Grant, for project titled 'Constraining Pragmatic Inference with Formal Alternatives,' 2012-2017 ($163,700 CAD)

SSHRC Institutional Grant, Carleton University, for project titled 'Candidate Sets for Optimizing Linguistic Inference,' 2011 ($7,000 CAD)

FASS Research Award, Carleton University, for project titled 'Modularity and Linguistic Inference,' 2010 ($5,100 CAD)

I-CUREUS Grant to support undergraduate research (for Amir Anvari), 2013 ($1,250 CAD)

TEACHING

Graduate Courses:

- CGSS5003: *Language and Cognition*, Winter 2012

- CGCS6001: *Introduction to Theories and Methods in Cognitive Science*, Winter 2010, Winter 2014

- CGSC5901: *Special Topics in Cognitive Science*, Winter 2014, Winter 2015

Undergraduate Courses:

- FYSM1607Q: *Cognitive Science: Thinking and Knowing*, 2009-2010, 2010-2011, 2011-2012, 2013-2013, 2013-2014, 2014-2015

- LING4507: *Semantics II*, Winter 2011, Winter 2013

- CGSC3001: *Honours Seminar in Cognitive Science*, Fall 2011, Fall 2012

Independent Study Courses:

- Amir Anvari, undergraduate CGSC, Winter 2014

- Chris Genovesi, graduate, Summer 2014

- Gina Hernandez, Fall 2015

SUPERVISION AND EXAMINATION

Doctoral Thesis Supervisor for:

- Ehsan Amjadian, start date 2012

- Tabish Ismail, start date Winter 2013

MCogSc Thesis Supervisor for:

- Tabish Ismail, start date 2010, thesis completed January 2013

- Maryam Housseini Fatemi, start date 2012, thesis completed December 2013

- Olivia Podlesny, start date 2012, thesis completed May 2015

- Pegah Nikravan, start date 2012, thesis completed January 2014

Undergraduate Honours Thesis Supervisor for:

- Hana Lang (with Dr. Deepthi Kamawar), completed 2012

- Amir Anvari, thesis completed Winter 2014

- Dejan Milacic (with Dr. Ida Toivonen), thesis completed Winter 2014

Internal-External Examiner for M.A. Theses:

- Linda Zhou, School of Linguistics and Language Studies, May 6 2010

- David Bussell, Department of Philosophy, Sept 14 2010

- Eri Twa, Department of Philosophy, May 23 2012

Committee member for:

- Doctoral Dissertation: Kam Kwok, Carleton University, Defended Oct 9 2015

- Doctoral Dissertation: Linda Cochrane, Concordia University, Defended, September 19 2014

- Doctoral Dissertation, Francis Jeanson, Carleton University, Defended 2014

- Doctoral work in progress, Chris Genovesi, Carleton University, prospectus defended 2016

- MCogSc Thesis: Roxana Maria-Barbu, April 13 2015

- MCogSc Thesis; Josh Bowie, May 18 2015

Internal-External Examiner for PhD Theses:

- Steven Carroll, Department of Psychology, May 10 2011

- Ian Bloom, Department of Psychology, Jan 20 2012

- Jordan Schoenherr, Department of Psychology, May 9 2014

DEPARTMENTAL SERVICE
Tenure and Promotions Committees, 2009-2010, 2010-2011, 2011-2012, 2013-2014 (tenure committee only). 2014-2015 (promotions committee only)

Graduate Committee, 2010-2011

Graduate Admissions Committee, 2011-2012, 2014-2015

Colloquium Series Co-organizer, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015

Spring Conference Co-organizer, 2011-2012

Undergraduate Committee, 2013-2014

Reviewer for graduate student SSHRC/NSERC applications, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015

ICS Spring Conference reviews, 2013-2014, 2014-2015

Andrew Brook Distinguished Lecture Series Co-organizer:

- 2014-2015, Invited Speaker: Lyn Frazier, University of Massachusetts at Amherst

- 2013-2014, Invited Speaker: Susan Carey, Harvard University

- 2012-2013, Invited Speakers: Mihnea Moldoveanu, University of Toronto; Thomas Bever, University of Arizona (as part of FASS Distinguished Visitor programme)

- 2011-2012, Invited Speakers: Paul Thagard, University of Waterloo; Zenon Pylyshyn, Rutgers University

- 2010-2011, Invited Speakers: Rebecca Saxe, MIT; Noam Chomsky, MIT

UNIVERSITY SERVICE

Undergraduate Recruitment:

- Faculty phone calls to prospective undergraduates, Institute of Cognitive Science, 2010-2011, 2011-2012, 2012-2013, 2013-2014, 2014-2015

- Meeting with Ottawa area high school guidance counselors, Winter 2011

- ICS representative for CU Day, Fall 2011, Fall 2012, Fall 2013, Winter 2014, Fall 2014, Winter 2015

Other service:

- Unit Standards Review Committee, 2016 (while on sabbatical)

- Departmental CUASA rep, 2014-2015

- Unit Standards Review Committee, 2015-2016