

RACHEL RABI

Department of Psychology and the Brain and Mind Institute
The University of Western Ontario
London, Ontario N6A 5C2
(519) 661-2111 ex. 86561
rrabi@uwo.ca

Education

Ph. D. Psychology, The University of Western Ontario, London, Ontario, 2016 (expected)

M. Sc. Psychology, The University of Western Ontario, London, Ontario, 2012

B. Sc. (Honours), Psychology, The University of Western Ontario, London, Ontario, 2010

Scholarships & Awards

Ontario Graduate Scholarship, \$15,000, September 2015-August 2016

Natural Sciences and Engineering Research Council of Canada, \$105,000, September 2012 – August 2015

Ontario Graduate Scholarship, \$15,000, Declined, September 2012-August 2013

Canadian Psychological Association - Certificate of Academic Excellence, June 2013

Graduate Thesis Research Award, \$750, January 2012 – August 2012

Natural Sciences and Engineering Research Council of Canada, \$17, 500, May 2011 – April 2012

Ontario Graduate Scholarship, \$15,000, Declined, May 2011

Western Graduate Research Scholarship, \$750, September 2011 – December 2011

Queen Elizabeth II Graduate Scholarship in Science and Technology, \$10,000, September 2010 – April 2011

Western Graduate Research Scholarship, \$8,000, September 2010 – April 2011

Natural Sciences and Engineering Council of Canada Undergraduate Student Research Award, \$4, 500, May 2010 – August 2010

Grad Pact Award, \$250, May 2009

Natural Sciences and Engineering Council of Canada Undergraduate Student Research Award, \$4, 500, May 2009 – August 2009

Western Scholarship of Distinction, \$1,500, September 2005 – April 2006

Research

Peer Reviewed Publications

- Rabi, R.** & Minda J. P. (2016). Category learning in older adulthood: A study of the Shepard, Hovland, and Jenkins (1961) tasks. *Psychology and Aging, 31*(2), 185-197.
- Minda J. P. & **Rabi, R.** (2015). Ego depletion interferes with rule-defined category learning but not non-rule-defined category learning. *Frontiers in Psychology, 6*, 35. doi: 10.3389/fpsyg.2015.00035.
- Rabi, R.**, Miles, S. J., & Minda, J.P. (2014). Learning categories via rules and similarity: Comparing adults and children. *Journal of Experimental Child Psychology, 131*, 149-169.
- Rabi, R.**, & Minda, J. P. (2014). Perceptual category learning: Similarity and differences between children and adults. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- Rabi, R.** & Minda J. P. (2014). Rule-based category learning in children: The role of age and executive functioning. *PLoS ONE 9*(1): e85316. doi:10.1371/journal.pone.0085316.
- Nadler, R. T., **Rabi, R.**, & Minda, J. P. (2010). Better mood and better performance: Learning rule-described categories is enhanced by positive mood. *Psychological Science, 21*, 1770-1776.

Manuscripts in Preparation

- Rabi, R.**, Joannis, M., & Minda J. P. Event-related potential correlates of conjunctive rule-based category learning.
- Rabi, R.** & Minda J. P. Reducing working memory demands improves rule-based category learning in older adults.
- Rabi, R.** & Minda J. P. Explicit and implicit category learning in older adults: The role of executive functioning.

Presentations

- Minda, J. P., Nadler, R. T., **Rabi, R.**, & Nielsen, E. G. (November 2015). Context, category learning, and cognitive control: Environmental context affects the learning of rule-described and non rule-described categories. *Talk presented at the 56th Annual Meeting of the Psychonomic Society, Chicago, IL, USA*
- Rabi, R.** & Minda, J. P. (2015, May). Declining executive control in normal aging predicts changes in category learning abilities. *Poster presented at the 27th Annual Conference of the Association for Psychological Science, New York, NY.*

Rabi, R. & Minda, J. P. (2015, February). Ego depletion differentially affects rule-defined and non-rule-defined category learning. *Poster presented at the 44th Annual Conference of the Lake Ontario Visionary Establishment*, Niagara Falls, ON.

Nielsen, E. G., **Rabi, R.**, & Minda, J. P. (2015, March). When the mind is exhausted, performance suffers on rule-based tasks. *Poster presented at the International Convention of Psychological Science (ICPS)*, Amsterdam, The Netherlands.

Rabi, R., & Minda, J. P. (2014, July). The effects of ego depletion on category learning. *Poster presented at the 2014 Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*, Toronto, ON.

Rabi, R., & Minda, J. P. (2014, July). Perceptual category learning: Similarity and differences between children and adults. *Poster presented at the 36th Annual Cognitive Science Conference*, Quebec City, QB.

Rabi, R., & Minda, J.P. (2013, November). Similarities and differences between children and adults when learning novel perceptual categories. *Talk presented at the 54th Annual Meeting of the Psychonomic Society*, Toronto, ON.

Rabi, R., & Minda, J. P. (2013, June). The relationship between rule-based category learning and executive functioning in children and adults. *Poster presented at the 2013 Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*, Calgary, AB.

Minda, J. P., Miles, S. J., Nadler, R. T. D., & **Rabi, R.** (2012, November). Did your subjects eat breakfast? Individual and uncontrolled variables can affect performance. *Talk presented at the 53rd Annual Meeting of the Psychonomic Society*, Minneapolis, MN.

Miles, S. J., **Rabi, R.**, & Minda, J. P. (2012, June). To what extent does category learning rely on executive functions? Evidence from child development and concurrent tasks. *Talk presented at the 2012 Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON.

Rabi, R., & Minda, J. P. (2012, May). Age-related improvements in rule-based categorization: The role of inhibitory control. *Poster presented at the 24th Annual Conference of the Association for Psychological Science*, Chicago, IL.

Rabi, R. (2012, March). Rule-based category learning in children: The role of inhibitory control. *Talk presented at the 25th Annual Western Research Forum*, London, ON.

Miles, S. J., **Rabi, R.**, & Minda, J. P. (2011, March). Suboptimal rule use and fully developed prototype abstraction by children: Evidence for two learning systems. *Talk presented at the 2011 Society for Research and Child Development Biennial Meeting*, Montréal, QB.

Rabi, R. (2009, June). Influence of temporal acoustic information on short-term memory for nonwords. *Talk presented at the 2009 Annual Ontario Psychology Undergraduate Thesis Conference*, Hamilton, ON.

Teaching Experience

Teacher's Assistant, Department of Psychology, The University of Western Ontario

Research in Cognitive Psychology, Fall 2010-2013

- Third year research-based honours course
- Created lab content, taught a weekly 2-hour lab on how to design, conduct, analyze, and write up a research project dealing with a topic in cognitive psychology.

Teaching assistant experience:

- Research Methods in Psychology, Winter 2011
- Language Development, Winter 2012, Winter 2013
- History of Psychology, Winter 2014
- Educational Psychology, Fall 2014
- Psychology of Humour, Winter 2015
- Introduction to Developmental Psychology, 2016

Supervision

Lorena Cevallos Salinas, 2015-2016, Honours Thesis (co-supervision), *Rule-based and information integration category learning in older adults.*

Brittany Ammendolia, 2014-2015, Honours Thesis, *Aging and category learning.*

Toka Zhu, 2014-2015, Honours Thesis (co-supervision), *The effects of ego depletion on category learning.*

Monica DaSilva, 2011-2012, Honours Thesis (co-supervision), *The influence of verbal ability on rule-based category learning in children.*

Guest Lecture

- Presented a guest lecture on how cognitive psychology can be applied to education to a second year Educational Psychology class.

Software Proficiency

- Data analysis software: R, SPSS, Mplus, MATLAB, EEGLab, ERPLab
- Other software: E-Prime, LaTeX, Real Studio

Committees

- Language and Concepts Research Group Seminar Series organizer, 2014-2015

Ad Hoc Reviewer

- Journal of Child Psychology and Psychiatry
- Frontiers

Professional Memberships

- Association of Psychological Science
- Canadian Society for Brain, Behaviour and Cognitive Science
- Psychology Psychonomic Society