

JOHN PAUL MINDA, PH.D.

Department of Psychology
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1 Education

Ph.D. Psychology, State University of New York at Buffalo, Buffalo, New York, 1995–2000

M.A. Psychology, Bucknell University, Lewisburg, Pennsylvania, 1993–1995

B.A. Psychology, Hiram College, Hiram, Ohio, 1988–1992

2 Professional Experience

Full Professor. Dept. of Psychology, The University of Western Ontario, 2016–Present

Acting Chair. Dept. of Psychology, The University of Western Ontario, 2016–2016

Associate Professor w/ Tenure. Dept. of Psychology, The University of Western Ontario, 2009–2018

Associate Chair Graduate Affairs. Dept. of Psychology, The University of Western Ontario, 2010–2014

Assistant Professor. Dept. of Psychology, The University of Western Ontario, 2003–2009

Beckman Postdoctoral Fellow. The Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign, 2000–2003

3 Research Interests

Cognition; Concepts and Category Learning; Thinking and Reasoning; Computational Modelling

4 Grants

4.1 Research Grants

Natural Science and Engineering Research Council of Canada, Discovery Grant. **J. P. Minda (PI)**, *Understanding the Cognitive and Neurobiological Systems Involved in Categorization Behaviour*, \$200,000, April 2019–March 2024.

Research Western Internal Research Programs, Strategic Support for NSERC Success, **J. P. Minda (PI)**, *Cognitive and Neurobiological Components of Categorization and Category Learning*, \$25,000, June 2018–May 2019.

Research Western Internal Research Programs, Strategic Support for SSHRC Success, Accelerator Grant. **J. P. Minda (PI)**, *Assessing The Cognitive Benefits of Mindfulness Meditation*, \$38,000, January 2016–December 2016.

Social Sciences and Humanities Research Council of Canada, Insight Development Grant. **J. P. Minda (PI)**, *Assessing the Benefits of Mindfulness in the Workplace*, \$56,000, June 2015–April 2017.

Mitacs Elevate Grant. **J. P. Minda (PI)**, Ruby T. D. Nadler (Postdoctoral Fellow), & Research Psychologists Press Inc (Industry Partner), *Understanding the Cognitive Processes Involved in Faking Behavior*, \$114,000, Sept 2013–August 2015.

Natural Science and Engineering Research Council of Canada, Discovery Grant. **J. P. Minda (PI)**, *Cognitive Mechanisms Involved in Category Learning Behaviour*, \$125,000, April 2103–March 2018.

Social Sciences and Humanities Research Council of Canada, Internal Research Grant. **J. P. Minda (PI)**, *Classification Learning and Complex Thinking Abilities in Normal Aging Populations*, \$6,000.00, October 2012.

Social Sciences and Humanities Research Council of Canada, Research Developments Initiative. **J. P. Minda (PI)**, M. Goldszmidt, & W. Haddara *The Use of Goal-Oriented Categories in Medical Thinking and Reasoning*, \$40,000, April 2009–April 2012.

Western Academic Development Fund. **J. P. Minda (PI)**, *How Clinicians Think: An Investigation of the Cognitive Psychology of Medical Thinking and Reasoning*, \$8,428, June 2007–June 2008.

Natural Sciences and Engineering Research Council of Canada, Discovery Grant. **J. P. Minda (PI)**, *Category Learning and Decision Making*, \$85,000, April 2004–March 2009.

4.2 Equipment Grants

Western Academic Development Fund. D. Jared (PI), K. McRae, **J. P. Minda**, S. Lupker, A. Katz, M. Joannise, L. Archibald, *Electrophysiological Studies of Language and Concept Processing*, \$81,660, June 2010–June 2011.

Natural Sciences and Engineering Research Council of Canada. K. McRae (PI), D. Jared, **J. P. Minda**, S. Lupker, A. Katz, M. Joannise, *Eyetracker for Language and Concepts Research Group*, \$54,353, April 2010–March 2011.

Natural Sciences and Engineering Research Council of Canada, Research Tools and Equipment Grant. M. A. Goodale (PI), J. C. Culham, P.L. Gribble, J. M. F. Joannise, S. Köhler, **J. P. Minda**, D. Ansari, *Transcranial Magnetic Stimulation for Research in Cognitive Neuroscience*, \$98,178, April 2010–March 2011.

Natural Sciences and Engineering Research Council of Canada, Research Tools and Equipment Grant. **J. P. Minda (PI)**, *Computational Modelling Hardware and Software*, \$7,500, April 2004–March 2005.

5 Awards and Fellowships

Psychology Professor of the Year, awarded by Western Psychology Association, 2014, 2017, 2018
 University Student Council Teaching Honour Roll, 2013, 2016–2018
 Richard M. Griffith Award, Southern Society for Philosophy and Psychology, 2001
 Beckman Institute Fellowship, \$167,000 USD, University of Illinois, 2000-2003

6 Publications

*Indicates a student co-author under my supervision

6.1 Books and Chapters

- Nielsen, E. G. & **Minda, J. P.** (2019). Problem Solving and Decision Making, In Dana S. Dunn (Ed.). *Oxford Bibliographies in Psychology*. New York: Oxford University Press. [Link]
- Minda, J. P.** (2015). *The Psychology of Thinking: Reasoning, Decision-Making, and Problem-Solving*. London, UK: SAGE Publications, Ltd. [LINK]
- Minda, J. P.** & Smith, J. D. (2011). Prototype models of categorization: Basic formulation, predictions, and limitations. In E. Pothos & A. Wills (Eds.) *Formal Approaches in Categorization* (pp 40–64) Cambridge University Press: Cambridge, UK. [PDF]
- Minda, J. P.** & *Miles, S. J. (2010). The influence of verbal and nonverbal processing on category learning. In B.H. Ross (Ed.). *The Psychology Of Learning and Motivation, Vol. 52* (pp 117–162). Burlington: Academic Press. [PDF]

6.2 Journal Articles

- *Nadler, R. T. D., Carswell, J. J. & **Minda, J. P.** (under review) An Online Mindfulness Program Increases Well-Being, Emotional Intelligence, and Workplace Competency Ratings: A Randomized Waitlist-Controlled Trial, *Mindfulness*
- *Zhang, K. M., Prior, P. L., Swartzman, L. C., Unsworth, K. L., Suskin, N., & **Minda, J. P.** (in press). Explaining the causal links among risk factors, endothelial pathophysiology, symptoms and health behaviours in patient education: A cluster randomized controlled trial to enhance depth of patient understanding, *Patient Education and Counselling*.
- *Rabi, R. R., Joannis, M. F., *Zhu, T., & **Minda, J. P.** (2018). Cognitive changes in conjunctive rule-based category learning: An ERP Approach. *Cognitive, Affective, & Behavioural Neuroscience, 18*, 1034–1048. [PDF]
- Paul, M. Fellner, M-C., Waldhauser, G., **Minda, J. P.**, Axmacher, N., Suchan, B., & Wolf, O. (2018). Stress elevates frontal midline theta in feedback-based category learning of exceptions. *Journal of Cognitive Neuroscience, 30*, 719–833. [PDF]
- *Rabi, R. R. & **Minda, J. P.** (2017). Familiarization may minimize age-related declines in rule-based category learning. *Psychology and Aging, 27*, 654–674. [PDF]
- *Zhang, K. M., Swartzman, L. C., Patrella, R. J., Gill, D. P. & **Minda, J. P.** (2017). Explaining the causal links between illness management and symptom: development of an evidence-based patient education strategy. *Patient Education and Counseling, 100*, 1169–1176. [PDF]
- Schenk, S., **Minda, J. P.**, Lech, R. K., & Suchan, B. (2016). Out of sight, out of mind: Categorization learning and normal aging. *Neuropsychologia, 91*, 222–233. [PDF]
- *Rabi, R. R. & **Minda, J. P.** (2016). Category learning in older adulthood: A study of the Shepard, Hovland, and Jenkins (1961) tasks. *Psychology and Aging, 31*. 185–197. [PDF]
- Minda, J. P.** & *Rabi, R. 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 [PDF]
- *Rabi, R. R., *Miles, S. J., & **Minda, J. P.** (2015). Learning categories via rules and similarity: comparing adults and children. *Journal of Experimental Child Psychology, 131*, 149–169. [PDF]
- *Miles, S. J., Matsuki, K., & **Minda, J. P.** (2014). Continuous executive function disruption interferes with application of an information integration categorization strategy. *Attention, Perception, & Psychophysics, 76*, 1318–1334. [PDF]
- *Rabi, R. 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. [PDF]
- Goldszmidt, M., **Minda, J. P.**, & Bordage, G. (2013). What physicians reason about during clinical encounters: Time to be more explicit. *Academic Medicine 88*, 230–337. [PDF]
- *Miles, S. J. & **Minda, J. P.** (2012). Perceptual fluency can be used as a cue for categorization decisions. *Psychonomic Bulletin & Review, 19*, 737–742. [PDF]
- Goldszmidt, M., **Minda, J. P.**, *Devantier, S. L., Skye, A. L., & Woods, N. N. (2011). Expanding the

- basic science debate: The role of physics knowledge in interpreting clinical findings, *Advances in Health Sciences Education*, 17, 547–555. (Note: Goldszmidt and Minda were listed alphabetically as co-first authors; I served as corresponding author) [\[PDF\]](#)
- *Miles, S. J. & **Minda, J. P.** (2011). The effects of concurrent verbal and visual tasks on category learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37, 588–607. [\[PDF\]](#)
- *Nadler, R. T. D., *Rabi, R. R., & **Minda, J. P.** (2010). Better mood and better performance: learning rule-described categories is enhanced by positive mood. *Psychological Science*, 21, 1170–1176. [\[PDF\]](#)
- *Devantier, S. L., **Minda, J. P.**, Goldszmidt, M., & Haddara, W. (2009). Categorizing patients in a forced-choice triad task: The integration of context in patient management. *PLoS ONE*, 4(6), e5881. [\[PDF\]](#)
- Minda, J. P.**, Desroches, A. S., & Church, B. A. (2008). Learning rule-described and non-rule-described categories: A comparison of children and Adults. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 34, 1518–1533. [\[PDF\]](#)
- Minda, J. P.** & Ross, B. H. (2004). Learning categories by making predictions: Comparing direct and indirect processes of category learning, *Memory & Cognition*, 32, 1355–1368. [\[PDF\]](#)
- Smith, J. D., **Minda, J. P.**, & Washburn, D. A. (2004). Category learning in rhesus monkeys: A study of the Shepard, Hovland, and Jenkins tasks. *Journal of Experimental Psychology: General*, 133, 398–414. [\[PDF\]](#)
- Minda, J. P.** & Smith, J. D. (2002). Comparing prototype-based and exemplar-based accounts of category learning and attentional allocation. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 28, 275–292. [\[PDF\]](#)
- Smith, J. D., & **Minda, J. P.** (2002). Distinguishing prototype-based and exemplar-based processes in category learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 28, 800–811. [\[PDF\]](#)
- Minda, J. P.** & Smith, J. D. (2001). Prototypes in category learning: The effects of category size, category structure, and stimulus complexity. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 775–799. [\[PDF\]](#)
- Smith, J. D., & **Minda, J. P.** (2001). Journey to the center of the category: The dissociation in amnesia between categorization and recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 27, 984–1002. [\[PDF\]](#)
- Smith, J. D., & **Minda, J. P.** (2000). Thirty categorization results in search of a model. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 26, 3–27. [\[PDF\]](#)
- Smith, J. D., & **Minda, J. P.** (1998). Prototypes in the mist: The early epochs of category learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 24, 1411–1430. [\[PDF\]](#)
- Smith, J. D., Murray, M. J., & **Minda, J. P.** (1997). Straight talk about linear separability. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 23, 659–680. [\[PDF\]](#)

6.3 Published Conference Proceedings

- *Zhang, K. M., Prior, P. L., Swartzman, L. C., Unsworth, K. L., Suskin, N. G., & Minda, J. P. (2016). Explaining causal links among risk factors, cardiovascular pathophysiology, symptoms and health behaviours: a randomized controlled trial of patient education strategies to enhance “deep” vs. “surface” level of knowledge. *The Canadian Journal of Cardiology*, 32(10), S111S112. [\[PDF\]](#)
- *Zhang, K. M., Swartzman, L. C., & **Minda, J. P.** (2014). The influence of causal knowledge on the comprehension and retention of medical information among younger and older 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. [\[PDF\]](#)
- *Rabi, R. 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. [\[PDF\]](#)

- *Devantier, S. L., **Minda, J. P.**, Goldszmidt, M., Skye, A. L., & Woods, N. N. (2011). Context and causal structure enhance memory for clinical details. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. [\[PDF\]](#)
- *Nadler, R. T. D. & **Minda, J. P.** (2011). The absence of positive affect is associated with complex rule use. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. [\[PDF\]](#)
- *Nadler, R. T. D. & **Minda, J. P.** (2011). Motivational influences on attentional scope. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. [\[PDF\]](#)
- *Miles, S. J., & **Minda, J. P.** (2011). Perceptual fluency affects categorization decisions. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. [\[PDF\]](#)
- Minda, J. P.**, & *Miles, S. J. (2009). Learning new categories: Adults tend to use rules while children sometimes rely on family resemblance. *Proceedings of the 31st Annual Conference of the Cognitive Science Society*. Hillsdale, NJ: Lawrence Erlbaum Associates, Inc. [\[PDF\]](#)
- *Devantier, S. L., **Minda, J. P.**, Haddara, W., & Goldszmidt, M. (2008). Physicians' use of deep features: Expertise differences in patient categorization. *Proceedings of the 30th Annual Conference of the Cognitive Science Society*. Hillsdale, NJ: Lawrence Erlbaum Associates, Inc. [\[PDF\]](#)
- *Nadler, R. T. D. , **Minda, J. P.**, & Lin, P.S.L (2008). Regulatory fit effects in a nonlinearly separable category learning task. *Proceedings of the 30th Annual Conference of the Cognitive Science Society*. Hillsdale, NJ: Lawrence Erlbaum Associates, Inc. [\[PDF\]](#)
- Harris, H. D. & **Minda, J. P.** (2006). An attention-based model of learning a function and a category in parallel. *Proceedings of the 28th Annual Meeting of the Cognitive Science Society*, Hillsdale, NJ: Lawrence Erlbaum Associates, Inc. [\[PDF\]](#)
- Harris, H. D. & **Minda, J. P.** (2005). Function Learning with an ensemble of linear experts and off-the-shelf category learning models. *Proceedings of the 27th Annual Meeting of the Cognitive Science Society*. Hillsdale, NJ: Lawrence Erlbaum Associates, Inc. [\[PDF\]](#)

7 Invited Talks

- Minda, J. P.** (2017, February). Verbal and nonverbal systems of category learning: A developmental perspective. *Invited talk for Pediatric Grand Rounds, Childrens Hospital, LHCS, London, ON.*
- Minda, J. P.** (February 2016). Mindful leadership at the university *Invited talk at the Western Academic Leaders Summer Conference, Grand Bend, ON.*
- Minda, J. P.** (March 2012) Learning about categories: evidence for multiple cognitive systems. *Invited Symposium presented at the 104th Annual Meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.*
- Minda, J. P.** (March 2011) Verbal and nonverbal systems of category learning: A developmental perspective. *Invited Symposium presented at the 2011 SRCO Biennial Meeting, Montréal Québec.*
- Minda, J. P.** (February 2011,). Categorization, classification, and cognition: how we learn what goes with what. *Invited Talk at McMaster University, Hamilton, ON.*
- Minda, J. P.** (October 2009). Verbal and nonverbal approaches to category learning. *Cognitive Science Speaker Series, University at Buffalo, Buffalo, NY.*
- Minda, J. P.** (October 2008). Category learning in adults, children, and rhesus macaques. *Invited Colloquium at Binghamton University, Binghamton, NY.*
- Minda, J. P.** (October 2008). Category learning in adults, children, and rhesus macaques. *Invited Talk at Huron University College, London, ON.*
- Minda, J. P.**, *Devantier, S. L., Haddara, W., & Goldszmidt, M. (October 2008). Clinical thinking about goals, solutions, and patient management: The effects of expertise. *Invited Talk at McMaster*

8 Conference Presentations

- *Martin, L., Nielsen, E. G., & **Minda, J. P.** (June 2019). Using mindfulness meditation to improve the emotional well-being of graduate students. *Poster presented at the 29th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Sciences*. Waterloo, ON.
- *Ruiz Pardo, A. C., *Schnurr, K., Foreman-Tran, K. S., & **Minda, J. P.** (May 2019). Individual differences in smartphone use: What aspects of cognition are affected by smartphones? *Poster Presented at the 31st Annual Convention of the Association for Psychological Science*, Washington, DC.
- *Nielsen, E. G., Cho, J., Wallis, L. E., Martyn, L. & **Minda, J. P.** (May 2019). Wellness in the workplace: A 30-Day mindfulness program reduced stress and improved mood in lawyers. *Poster Presented at the 31st Annual Convention of the Association for Psychological Science*, Washington, DC.
- *Hatherley, J. A, *Brashears, B. & **Minda, J. P.** (November 2018). Prior verbal description of exemplars facilitates the learning of information integration categories. *Paper presented at the 59th Annual Meeting of the Psychonomic Society*, New Orleans, LA.
- *Ruiz Pardo, A. C. & **Minda, J. P.** (November 2018). Re-examining the Brain Drain Effect: Replicating Ward et al. (2017), *Paper presented at the 59th Annual Meeting of the Psychonomic Society*, New Orleans, LA.
- *Zhu T. & **Minda, J. P.** (July 2018). Evidence for idiom processing advantage of L1 Idioms in an L2. *Talk presented at the 28th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Sciences*. St Johns, NL.
- *Hatherley, J. J. & **Minda, J. P.** (November 2017). Attentional preference after a mindfulness intervention. *Poster presented at the 58th Annual Meeting of the Psychonomic Society*, Boston, MA.
- *Rabi, R. R., Joannisse, M. F., *Zhu, T., & **Minda, J. P.** (June 2017). An ERP investigation into the physiological correlates of conjunctive rule category learning. *Talk presented at the 27th annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Sciences*. Regina, SK.
- *Nielsen, E. G., Cho, J., & **Minda, J. P.** (May 2017). The mindful lawyer: Mindfulness meditation improves the emotional well-being of lawyers. *Poster presented at the 29th Annual Convention of the Association for Psychological Science*, Boston, MA
- *Rabi, R. R. & **Minda, J. P.** (November 2016). Category learning in older adulthood: The role of age and executive functioning. *Talk presented at the 57th Annual Meeting of the Psychonomic Society*, Boston, MA.
- *Zhang, K. M., Prior, P. L., Swartzman, L.C., Unsworth, K. L., Suskin, N. G., & **Minda, J. P.** (2016). Explaining causal links among risk factors, cardiovascular pathophysiology, symptoms and health behaviours: a randomized controlled trial of patient education strategies to enhance “deep” vs. “surface” level of knowledge. *Talk presented at the Canadian Cardiovascular Congress*, Montral Qubec.
- *Zhu T. & **Minda, J. P.** (May 2016) The depletion of self-regulatory resources reduces performance on some subsequent tasks but not on all tasks. *Poster presented at the Southern Ontario Behavioural Decision Research Conference*, London, ON.
- *Nadler, R. T. D., Ruiz Pardo, A. & **Minda, J. P.** (November 2015). Using eye-tracking to investigate faking on personality assessments. *Poster presented at the 56th Annual Meeting of the Psychonomic Society*, Chicago, IL.
- Minda, J. P.**, *Nadler, R. T. D., *Rabi, R. 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.
- *Nielsen, E. G. & **Minda, J. P.** (May 2015). Creativity in the coffee shop: Ambient noise may improve performance on creativity tasks, but not on categorization tasks. *Poster presented at the 27th APS Annual Convention*, New York, NY, USA.

- *Rabi, R. R. & **Minda, J. P.** (May 2015). Declining executive control in normal aging predicts changes in category learning abilities. *Poster presented at the 27th APS Annual Convention, New York, NY, USA.*
- *Nielsen, E. G., *Rabi, R. R., & **Minda, J. P.** (March 2015). When the mind is exhausted, performance suffers on rule-based tasks. *Poster presented at the International Convention of Psychological Science (ICPS). Amsterdam, The Netherlands.*
- *Zhang, K. M., Swartzman, L. C., & Minda J. P. (July 2014). The influence of causal knowledge on the comprehension and retention of medical information among younger and older adults. *Talk presented at the 36th Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.
- *Rabi, R. R., & **Minda, J. P.** (July 2014). Perceptual category learning: similarity and differences between children and adults. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Poster presented of the 36th Annual Conference of the Cognitive Science Society.* Austin, TX: Cognitive Science Society.
- *Rabi, R. R. & **Minda, J. P.** (July 2014). The effects of ego depletion on category learning. *Poster presentation at the 24th Annual Canadian Society for Brain, Behaviour, and Cognitive Science, Toronto, ON.*
- Nielsen, E. G. & Minda, J. P.** (July 2014). The coffee shop effect: Investigating the relationship between ambient noise and cognitive functioning *Poster presentation at the 24th Annual Canadian Society for Brain, Behaviour, and Cognitive Science, Toronto, ON.*
- *Rabi, R. R. & **Minda, J. P.** (November 2013). 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. R. & **Minda, J. P.** (June 2013). The relationship between rule-based category learning and executive functioning in children and adults. *Poster presentation at the 23rd Annual Canadian Society for Brain, Behaviour, and Cognitive Science, Calgary, AB.*
- *Miles, S. J. & **Minda, J. P.** (May 2013). Executive functions play different roles in verbal and nonverbal category learning. *Poster presented at the 25th Annual Convention of the Association for Psychological Science, Washington, DC.*
- Minda, J. P.**, *Miles, S. J., *Nadler, R. T. D., & *Rabi, R. R. (November 2012). 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. R., & **Minda, J. P.** (June 2012). To what extent does category learning rely on executive functions? Evidence from child development and concurrent tasks. *Talk presented at the 22nd annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Kingston, ON.*
- *Rabi, R. R., & **Minda, J. P.** (May 2012). Age-related improvements in rule-based categorization: The role of inhibitory control *Poster presented at the 24th Annual Convention of the Association for Psychological Science, Chicago, IL.*
- *Miles, S. J., & **Minda, J. P.** (May 2012). Order of learning biases the competition between category-learning systems *Poster presented at the 24th Annual Convention of the association for Psychological Science, Chicago, IL.*
- *Nadler, R. T. D. & **Minda, J. P.** (May 2012). Regulatory focus influences the breadth of categorization. *Poster presented at the 24th Annual Convention of the association for Psychological Science, Chicago, IL.*
- Minda, J. P.** (March 2012) Learning about categories: evidence for multiple cognitive systems. *Invited Symposium presented at the 104th Annual Meeting of the Southern Society for Philosophy and Psychology, Savannah, GA.*
- Goldszmidt, M., **Minda, J. P.**, Bordage, G. (November 2011). Research on clinical reasoning: More than making a diagnosis. *Talk presented at the Association for Medical Education in Europe Annual Conference.* Vienna, Austria.
- *Devantier, S. L., **Minda, J. P.**, Goldszmidt, M., Skye, A. L., & Woods, N. N. (July 2011). Context and causal structure enhance memory for clinical details. *Poster presented at the 33rd Annual Conference*

- of the *Cognitive Science Society*. Austin, TX.
- *Nadler, R. T. D. & **Minda, J. P.** (July 2011). The absence of positive affect is associated with complex rule use. *Poster presented at the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- *Nadler, R. T. D. & **Minda, J. P.** (July 2011). Motivational influences on attentional scope. *Talk presented at the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- *Miles, S. J., & **Minda, J. P.** (July 2011). Perceptual fluency affects categorization decisions. *Talk presented at the 33rd Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- Minda, J. P.** (March 2011) Verbal and nonverbal systems of category learning: A developmental perspective. *Talk presented at the 2011 SRCD Biennial Meeting*, Montréal Québec.
- Minda, J. P.** & *Nadler, R. T. D. (November 2010, November). Mood, cognitive flexibility, and category learning. *Talk presented at the 51st Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Minda, J. P.**, & *Miles, S. J. (November 2010). The effect of verbal description on the competition between categorization systems. *Poster presented at the 51st Annual Meeting of the Psychonomic Society*, St. Louis, MO.
- Minda, J. P.** & *Miles, S. J. (November 2009). Visual working memory: its effects on learning rule-defined and non-rule-defined categories. *Talk presented at the 50th Annual Meeting of the Psychonomic Society*, Boston, MA.
- Minda, J. P.** & *Nadler, R. T. D. (November 2009). The effects of regulatory focus on perceptual triad classification. *Poster presented at the 50th Annual Meeting of the Psychonomic Society*, Boston, MA.
- *Devantier, S. L., **Minda, J. P.**, Haddara, W., & Goldszmidt, M. (November 2009). Integrating context in clinical thinking: Themes and categories activated during the patient encounter. *Poster presented at the 30th Annual Meeting of the Society for Judgment and Decision Making*, Boston, MA.
- Minda, J. P.**, & *Miles, S. J. (July 2009). Learning new categories: Adults tend to use rules while children sometimes rely on family resemblance. *Poster presented at the the 31th Annual Conference of the Cognitive Science Society*. Amsterdam, Netherlands.
- *Devantier, S. L., **Minda, J. P.**, Haddara, W., & Goldszmidt, M. (May 2009). How physicians think about patients in non-diagnostic settings. *Poster presented at the Southern Ontario Behavioral Decision Research Conference*, St. Catharines, ON.
- *Devantier, S. L., **Minda, J. P.**, Haddara, W., & Goldszmidt, M. (May 2009). Themes in physicians' thinking when the primary diagnosis is not at issue. *Poster presented at the Department of Medicine Research Day*, London, ON.
- *Miles, S. J., & **Minda, J. P.** (May 2009). Memory processes used during a categorization decision. *Poster presented at the 5th annual Southern Ontario Behavioral Decision Research Conference*, St. Catharines, ON.
- *Nadler, R. T. D., **Minda, J. P.** & Hayden, E. (May 2009). Effects of depression on category learning. *Poster presented at the 5th annual meeting of the Southern Ontario Behavioral Decision Research Conference*, St. Catharines, ON.
- *Miles, S. J. & **Minda, J. P.** (November 2008). Rule-defined and non-rule-defined category learning in children. *Poster presented at the 49th Annual Meeting of the Psychonomic Society*, Chicago, IL.
- *Devantier, S. L., **Minda, J. P.**, Goldszmidt, M., & Haddara, W. (August 2008). The effects of experience on goal-oriented categories: Are experts always best? *Talk presented at the Sixth International Conference on Thinking*, Venice, Italy.
- *Devantier, S. L., **Minda, J. P.**, Haddara, W., & Goldszmidt, M. (July 2008). Physicians' use of deep features: Expertise differences in patient categorization. *Paper presented at the 30th Annual Conference of the Cognitive Science Society*, Washington, DC.
- *Nadler, R. T. D., **Minda, J. P.**, & Lin, P. S. L (July 2008). Regulatory fit effects in a nonlinearly separable category learning task. *Paper presented at the 30th Annual Conference of the Cognitive Science Society*, Washington, DC.
- *Devantier, S. L., Haddara, W., Goldszmidt, M., & **Minda, J. P.** (June 2008). Using goal-oriented

- categories to group patients: The effects of expertise. *Poster presentation at the Canadian Society for Brain, Behaviour, and Cognitive Science 18th Annual Meeting*, London, ON.
- *Nadler, R. T. D., Lin, P. S. L., & **Minda, J. P.** (June 2008). Effects of reward structure and motivational focus on decision-making. *Poster presentation at the Canadian Society for Brain, Behaviour, and Cognitive Science 18th Annual Meeting*, London, ON.
- Minda, J. P.**, *Devantier, S. L., Haddara, W., & Goldszmidt, M. (May 2008). The effects of medical expertise in a forced-choice triad task. *Talk presented at the Southern Ontario Behavioral Decision Research Conference*, Waterloo, ON.
- Goldszmidt, M., Haddara W., *Devantier, S. L., & Minda J. P. (May 2008). The forced-choice triad task: A novel approach to studying expertise development in medical management and diagnosis. *Canadian Conference on Medical Education*, Montreal, QC.
- *Nadler, R. T. D., Lin, P. S. L., & Minda, J.P. (February 2008). Motivational factors in decision-making: Effects of regulatory fit on strategies in category learning. *Poster presented at the 3rd annual Judgment and Decision Making Pre-conference at the 9th annual Society for Personality and Social Psychology (SPSP) Conference*, Albuquerque, NM.
- *Nadler, R. T. D. & **Minda, J. P.** (November 2007). Motivational focus interact with reward structure in category learning. *Poster presented at the 48th Annual Meeting of the Psychonomic Society*, Long Beach, CA.
- *Devantier, S. L., **Minda, J. P.**, Goldszmidt, M., & Haddara, W. (October 2007). Using goal-oriented categories to classify patients: The effects of expertise. *Presentation at GAMES Education Symposium*, London, ON.
- *Devantier, S. L., **Minda, J. P.**, Goldszmidt, M., Haddara, W., & Zibrowski, E. (June 2007). How physicians think about managing patients. *Poster presentation at the 17th Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science*, Victoria, BC.
- *Nadler, R. T. D. & **Minda, J. P.** (May 2007). Classification and prediction: The role of task order. *Paper presented at the Annual Meeting of the Midwestern Psychological Association*, Chicago, IL.
- Minda, J. P.** & Desroches, A. S. (November 2006). Category Learning in Children and Adults: Can kids learn to follow the rules? *Paper presented at the 47th Annual Meeting of the Psychonomic Society*, Houston, TX.
- Minda, J. P.**, *Devantier, S. L., Goldszmidt, M., & Haddara, W. (October 2006). How clinicians think: a case for management. *Presentation at GAMES Education Symposium*, London, ON.
- Harris, H. D., & **Minda, J. P.** (July 2006) An attention-based model of learning a function and a category in parallel. *Paper presented at the 28th Annual Meeting of the Cognitive Science Society*, Vancouver, BC.
- Minda, J. P.** (May 2006) Learning logical categories: A comparison of children and adults. *Poster presented at the 18th Annual Convention of the Association for Psychological Science*, New York, NY.
- Minda, J. P.** (July 2005). Comparative and developmental differences in category learning. *Poster presented at the 15th annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*, Montréal Québec.
- Harris, H. D. & **Minda, J. P.** (May 2004) Learning functions with an ensemble of linear experts and an off-the-shelf categorizer. *Paper presented at the 27th Annual Meeting of the Cognitive Science Society*, Stressa, Italy.
- Minda, J. P.** (November 2004). Learning categories really fast, evidence for multiple category representations. *Poster presented at the 45th Annual Meeting of the Psychonomic Society*, Minneapolis Minnesota.
- Minda, J. P.** & Ross, B. H. (November 2003). Indirect category learning. *Poster presented at the 44rd Annual Meeting of the Psychonomic Society*, Vancouver, British Columbia
- Minda, J. P.** (May 2003). Prototypes and exemplars in categorization. *Invited talk at the Beckman Fellows Symposium*, Urbana, Illinois.
- Minda, J. P.** (November 2002). A model of prototype and exemplar learning. *Poster presented at the 43rd Annual Meeting of the Psychonomic Society*, Kansas City, Missouri.

- Minda, J. P.** (June 2002). Modelling prototype and exemplar learning. *Poster presented at the 14th Annual Convention of the American Psychological Society*, New Orleans, Louisiana.
- Minda, J. P.**, & Ross, B. H. (June 2002). Learning categories by making predictions. *Paper presented at the 14th Annual Convention of the American Psychological Society*, New Orleans, Louisiana.
- Minda, J. P.**, & Ross, B. H. (March 2002). Learning about categories by making predictions. *Poster presented at the Beckman Institute Open House*, Urbana, Illinois.
- Smith, J. D., **Minda, J. P.**, & Washburn, D. A. (November 2001). Shepard, Hovland, Jenkins, and monkeys. *Paper presented at the 42nd Annual Meeting of the Psychonomic Society*, Orlando, Florida.
- Minda, J. P.** (April 2001). The effects of deadlines and concurrent tasks on categorization performance. *Paper presented at the 93rd Annual Meeting of the Southern Society for Philosophy and Psychology*, New Orleans, Louisiana.
- Smith, J. D., **Minda, J. P.**, & Washburn, D. A. (April 2001). A possible discontinuity in categorization between humans and non-human primates: The case of the Shepard, Hovland, and Jenkins tasks. *Paper presented at the 93rd Annual Meeting of the Southern Society for Philosophy and Psychology*, New Orleans, Louisiana.
- Smith, J. D., & **Minda, J. P.**, (November 2000). The dissociation in amnesia between categorization and recognition. *Paper presented at the 41st Annual Meeting of the Psychonomic Society*, New Orleans, Louisiana.
- Smith, J. D., & **Minda, J. P.**, (April 2000). The categorization-recognition dissociation in amnesia. *Paper presented at the 92nd Annual Meeting of the Southern Society for Philosophy and Psychology*, Atlanta, Georgia.
- Minda, J. P.**, Smith, J. D., & Church, B. A. (November 1999). Have I seen that cat before? Dissociations and interactions between categorization and recognition memory. *Poster presented at the 40th Annual Meeting of the Psychonomic Society*, Los Angeles, California.
- Minda, J. P.**, & Smith, J. D. (April 1999). Prototypes in category learning. *Paper presented at the 91st Annual Meeting of the Southern Society for Philosophy and Psychology*, Louisville, Kentucky.
- Minda, J. P.**, & Smith, J. D. (November 1998). Thirty categorization results in search of a model. *Paper presented at the 39th Annual Meeting of the Psychonomic Society*, Dallas, Texas.
- Minda, J. P.**, & Smith, J. D. (April 1998). Prototypes, sage, exemplars, and thyme. *Paper presented at the 90th Annual Meeting of the Southern Society for Philosophy and Psychology*, New Orleans, Louisiana.
- Minda, J. P.**, & Smith, J. D. (November 1997). Prototypes in category learning. *Paper presented at the 38th Annual Meeting of the Psychonomic Society*, Philadelphia, Pennsylvania.

9 Supervision

9.1 Principle Supervisor, Postdoctoral Fellows

Ruby T. D. Nadler, 2013–2016

9.2 Principle Advisor, Ph.D.

Tianshu Zhu, 2018-present

Joshua Hatherley, 2017-present

Ana Ruiz Pardo, 2017-present

Emily G. Nielsen, 2015–Present

Bryan Grant (joint supervision), 2017-present

Karen Zhang, 2013–Present

Rachel R. Rabi, 2012–Present

Sarah J. Miles, 2009–2013 (Ph.D. Granted July 2013)

Ruby T. D. Nadler, 2008–2013 (Ph.D. Granted July 2013)

9.3 Principle Advisor, M.Sc.

Bailey Brashears, 2017-present
Tianshu Zhu, 2016-present
Joshua Hatherley, 2015–Present
Ana Ruiz Pardo, 2015–Present
Emily G. Nielsen, 2013–2015
Rachel R. Rabi, 2010–2012
Sarah J. Miles, 2007–2009
Ruby T. D. Nadler, 2006–2008
Sarah L. Devantier, 2006–2008

9.4 Ph.D. Committee/Exam

2016–2020 Caitlyn McColeman (Simon Fraser University), Aaron Halliday, Krystyn Zator, Greta James (University of Waterloo), Moria Sokolowski, Eriko Matsuki, Melissa Care, Xuan Pan, Avital Sternin, Sarah Mackrell, Celina Kacperski (Kinesiology), Sarah Stanton
2011–2015 Guillaume Beaulac, Taylor A. Kohut, Gail Leizerovici, Sandra Monteiro (McMaster University), Kazunaga Matsuki, Andrea Bowes, John Campbell, Theodore Noseworthy, Kurt Peters, Matthew Waxer, Jason Perry
2006–2010 Christopher O’Conner, Gareth Doherty, Meredith Young (McMaster University), Karen Hussey, Chris McNorgan
2001–2005 Aneta Kielar, Tamsen Taylor, Tammy McKenzie

9.5 Masters Committee/Exam

2016–2020 Ola Mohammed Ali, Joeseeph Nidal, Lindsay Szota, Samantha Goldsmith, Mirrah Maziyah Mohamed, Daniel Karlas, Alexa Rempel, Patrick Feeley (Music), Daniel Nedjadrassul, Mikayla Keller, Rebecca Factor, Bryan Grant
2011–2015 Nicolette B. Noonan, Mark McPhedran, James Boylan, Samantha Ponderac, Peter Nguyn
2006–2010 Daniel Trinh
2001–2005 John Campbell, Jason Perry, Chris McNorgan

9.6 Comprehensive Exam/Independent Study

2016–2020 Laura Cabral, Nick Reid, Nicolette B. Noonan, Isu Cho
2011–2015 Daniel Cameron, Karen Zhang, Rebecca McDermot, Krista MacPherson
2006–2010 Kazunaga Matsuki, Jason Perry, Ray Grondin, Rachel Rabi
2001–2005 John Campbell, Amy Desroches, Karen Hussey, Tamsen Taylor

9.7 Undergraduate Honours Thesis

2016–2020 Karina Schnurr, Emma Guimaraes, Rsha Soud, Bryn Davis, Taylor Goodfield, Lauryn Martin, Sophie Wharmby, Victoria Wiebe, Lu Guo
2011–2015 Lorena Cevallos Selinas, Melissa Custoreri, Brittany Ammendolia, Toka Zhu, Monica DaSilva, Ilan Zimmer, Dafna Sudai, Erika Nicole Busk, Lindsay Starosta, Kevin Seth Fortinsky
2006–2010 Kim Abramowitz, Kristina Nikolova, Robin Hunter, James Boylen, Yonatan Rosenblum, Claire Anne Mare Salisbury, Deborah Isaac, Jacqueline Rubinstein
2001–2005 Sarah Butson, Joann Lim, Meaghan Noonan

10 Teaching

10.1 Undergraduate Courses

Introduction to Cognition, 2135
Introduction to Sensation and Perception, 2115
Psychology of Thinking, 3130
Psychology of Thinking, 3130 Distance Studies (authoring)

10.2 Graduate Courses

Fundamental Issues in Cognition, 9100
Concepts & Categories, 9111
Reasoning & Decision Making, 9156

11 Departmental Service

11.1 Administrative

Acting Chair, 2016
Associate Chair of Graduate Affairs, 2010–2014

11.2 Committees

WIRB/BMI Space and Facilities Committee (Chair), 2019–
Social Psychology Search Committee, 2018–2019
BMI Director Search Committee, 2018–2019
Psychology Department Chair Selection Committee, 2018–2019
Clinical Search Committee, 2017–2018
BMI MOVE team, 2017–2018
BMI Space and Facilities Subcommittee (Chair), 2017–2018
Graduate Affairs, 2015–2016
Annual Performance Review, 2005–2007, 2016, 2018
Appointments, 2004–2006, 2009–2011
Graduate Selection, 2003–2004, 2015–2016
Social Science Awards, 2004–2006
Space and Facilities, 2007–2009, 2017–2019
University Subcommittee on Program Review-Graduate 2010–2012
Workload, Resource, and Planning, 2007–2009, 2015–2016

11.3 Other

Department Colloquium Series Organizer, 2006–2008
Picnic Committee, 2004–2006
United Way Campaign, 2003–2005

12 University Service

SSHRC Doctoral Award University Ranking Committee, 2011–Present
CGSM University Ranking Committee, 2014–Present
Contemporary, Effective Scholar Working Group, 2016–2018
Non Medical Research Ethics Board, 2018–
June Convocation Orator, 2015, 2016
Three Minute Thesis Coordinator for Faculty of Social Science, 2015–2018
Ontario Graduate Scholarship (OGS) Panel Chair, 2010–2011
Ontario Graduate Scholarship (OGS) Panel, 2008–2005

12.1 Research Groups

Core Member: Brain and Mind Institute
Core Member: Language and Concepts Research Group
Co-Organizer: Philosophy and Psychology Research Group
Member, Centre for Education Research & Innovation

13 Professional Service

13.1 Consulting Editor

Journal of Experimental Psychology: Learning, Memory, and Cognition, 2005–2007, 2010–Present
Frontiers in Cognitive Science, 2011–Present

13.2 Ad Hoc Reviewer

American Journal of Psychology, *Canadian Journal of Experimental Psychology*, *Cognition*, *Cognitive Psychology*, *Cognitive Science Society*, *Cognitive Science*, *Experimental Psychology*, *Journal of Experimental Psychology: General*, *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *The Journal of Memory and Language*, *Memory & Cognition*, *Attention, Perception & Psychophysics*, *Psychonomic Bulletin & Review*, *Trends in Cognitive Sciences*

13.3 Grant Reviewer

National Science Foundation (NSF) College of Reviewers, 2013–2014.
The Natural Sciences and Engineering Research Council of Canada (NSERC)
Katholieke Universiteit Leuven

13.4 Conference Co-organizer

Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS), London, ON, 2008
Cognitive Science Society: Program Committee, 2008–2010
36th Annual LOVE Conference, Niagara Falls, ON, 2007

14 Professional Memberships

American Psychological Association
Association for Psychological Science
Canadian Society of Brain, Behaviour, and Cognitive Science
Cognitive Science Society
Southern Society for Philosophy and Psychology
Psychonomic Society