

**CURRICULUM VITAE**  
**R. Shayna Rosenbaum, Ph.D., C.Psych.**

**PERSONAL INFORMATION**

Citizenship: Canadian  
 Address: Department of Psychology, York University, 4700 Keele Street, Toronto, Ontario,  
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**EDUCATION**

1999-2003 Ph.D., Psychology, Program in Neuroscience, Clinical Extension in Neuropsychology,  
 University of Toronto, Advisor: M. Moscovitch  
 1998-1999 M.A., Psychology, Program in Neuroscience, University of Toronto, Advisor: M.  
 Moscovitch  
 1997-1998 B.A., Specialized Honours in Psychology, York University, Advisor: J.B. Rich (Summa  
 Cum Laude)  
 1994-1997 B.A., Psychology, University of Western Ontario (with Distinction)

**Clinical Accreditation**

2005- C.Psych., Certification as a Registered Clinical Neuropsychologist, College of  
 Psychologists of Ontario, License #4133

**ACADEMIC POSITIONS AND AFFILIATIONS**

01/2010- Interim Director, Predoctoral Internship in Clinical Neuropsychology, Department of  
 09/2010 Psychology, Baycrest  
 2007- Member, Graduate Diploma Program in Neuroscience, York University  
 2007- Member, Cognitive Science Program, York University  
 2006- Associate Scientist, Rotman Research Institute, Baycrest (status only)  
 2005- Member, Faculty of Graduate Studies, Graduate Program in Psychology, York University  
 2005- \*Assistant Professor, Department of Psychology, York University  
 2003-2005 Postdoctoral and Clinical Fellow, Cognitive Neuroscience, Rotman Research Institute,  
 Baycrest, Advisor: D.T. Stuss

\*includes maternity leaves from January to June 2006 and from November 2007 to July 2008

## FELLOWSHIPS, HONOURS, AND AWARDS

2010-2012	Sloan Research Fellowship, Alfred P. Sloan Foundation, \$50,000
2008-2013	Canadian Institutes of Health Research, New Investigator Award, "Integration of Emotional and Cognitive Processing in the Brain," \$300,000
2008-2009	Merit Award, Faculty of Health, York University, \$2,000
2008-2009	Donald T. Stuss Award for Research Excellence, Baycrest, \$10,000
2007-2008	Merit Award, Faculty of Health, York University, \$2,000
2006-	Elected to membership, Memory Disorders Research Society
2005	Laird Cermak Award, Memory Disorders Research Society
2005-2006	New York Academy of Sciences James McKeen Cattell Dissertation Award
2003-2006	Heart and Stroke Foundation of Canada and Canadian Institutes of Health Research Postdoctoral Fellowship, \$120,000
2003-2004	Award of Academic Excellence for best doctoral dissertation, Canadian Psychological Association
2003-2004	Henry J.M. Barnett Award for highest ranked scholar in area of cerebrovascular research, Heart and Stroke Foundation, \$15,000
2001-2004	Canadian Institutes of Health Research Doctoral Fellowship, \$61,500
1999-2001	Natural Sciences and Engineering Research Council Post-Graduate Scholarship, \$38,200
1998-1999	Open Fellowship, University of Toronto, \$16,400
1997-1998	Dean's Award for Academic Excellence for highest grade point average, Faculty of Arts, York University, \$1,000
1997-1998	Faculty of Arts Psychology Book Prize for highest grade point average, York University
1997-1998	Vanier Vingt-Deux Award for graduating with highest standing, Vanier College, York University
1997-1998	Honourable Mention, Templeton Honours Thesis Contest, York University
1996-1998	Dean's Honour List for attaining overall average greater than 90%, University of Western Ontario and York University
1994-1995	Undergraduate Entrance Scholarship, University of Western Ontario, \$1,500

## FUNDING

- 2009-2014 Canadian Institutes of Health Research, Operating Grant (PI), "Patient and neuroimaging studies of mental state representations," with B. Levine (co-applicant), \$568,445
- 2008 Canadian Institutes of Health Research, Top-up Funding, "Integration of Emotional and Cognitive Processing in the Brain," \$28,191
- 2008 Special Research Grant, York University, "Integration of Emotional and Cognitive Processing in the Brain," \$21,000
- 2007-2012 Ontario Ministry of Research and Innovation, Early Researcher Award, "Patient and functional neuroimaging studies of remote memory for places, events, and facts," \$190,000
- 2007 Faculty of Health Conference Travel Funds, \$900
- 2006-2008 Natural Sciences and Engineering Research Council Research Tools and Instruments Grant, "fMRI data analysis lab," \$21,333
- 2005-2011 Natural Sciences and Engineering Research Council Discovery Grant, "Interactions between spatial, episodic, and semantic memory," \$109,045
- 2005-2010 Canadian Institutes of Health Research Operating Grant, "Behavioural and functional neuroimaging studies of remote spatial memory" with M. Moscovitch (PI), C.L. Grady, and G. Winocur, \$504,310; Equipment, \$16,983
- 2005 Atkinson Faculty Conference Travel Funds, \$1,000

## PUBLICATIONS

\*my role in all first-authored publications was >75% (% contribution to other publications indicated in parentheses)

\*trainee authors underlined

### Book Chapters (4)

**Rosenbaum, R.S.**, & Rabin, J.S. (2010). Frontal lobe contributions to mental state awareness. To appear in B. Levine and F.I.M. Craik (Eds.), *Festschrift in Honour of Donald T. Stuss*. Oxford University Press.

Tulving, E., & **Rosenbaum, R.S.** (2006). What Do Explanations of the Distinctiveness Effect Need to Explain? In R. R. Hunt and J. B. Worthen (Eds.), *Distinctiveness and Memory*. Cambridge, MA: Oxford University Press. (50% contribution).

Stuss, D.T., **Rosenbaum, R.S.**, Malcolm, S., Christiana, W., & Keenan, J.P. (2005). The frontal lobes and self-awareness. In Feinberg, T.E., & Keenan, J.P. (Eds.), *The Lost Self: Pathologies of the Brain and Identity* (pp. 50-64). New York, NY: Oxford University Press. (50% contribution).

Moscovitch, M., Westmacott, R., Gilboa, A., Addis, D.R., **Rosenbaum, R.S.** et al. (2005). Hippocampal complex contribution to retention and retrieval of recent and remote episodic and semantic memories: Evidence from behavioral and neuroimaging studies of healthy and brain-damaged people. In Ohta, N., MacLeod, C. M., & Uttl, B. (Eds.). *Dynamic cognitive processes* (pp. 333-380). Tokyo: Springer-Verlag. (15% contribution).

## **Refereed Journal Articles (22)**

- Winocur, G., Moscovitch, M., **Rosenbaum, R.S.**, & Sekeres, M. (in press). An investigation of the effects of hippocampal lesions in rats on pre- and post-operatively acquired spatial memory in a complex environment. *Hippocampus*. (15% contribution, including conceptualization, manuscript preparation)
- Rabin, J.S., Gilboa, A., Stuss, D.T., Mar, R., & **Rosenbaum, R.S.** (2010). Common and unique neural correlates of autobiographical memory and theory of mind. *Journal of Cognitive Neuroscience*, *22*, 1095-1111. (40% contribution, including conceptualization, experimental design, writing, editing, direct supervision of student)
- Rosenbaum, R.S.**, Furey, M., Horwitz, B., & Grady, C.L. (2010). Altered connectivity among emotion-related brain regions during short-term memory in Alzheimer's disease. *Neurobiology of Aging*, *31*, 780-786.
- Ciaramelli, E., **Rosenbaum, R.S.**, Solcz, S., Levine, B., & Moscovitch, M. (2010). Mental time travel in space: Damage to posterior parietal cortex prevents egocentric navigation and re-experiencing of remote spatial memories. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *36*, 619-634. (40% contribution, including conceptualization, experimental design, data analysis, writing of Introduction section, editing)
- Ostreicher, M., Moses, S.N., **Rosenbaum, R.S.**, & Ryan, J.D. (2010). Remediation of age-related deficits in relational memory. *Journals of Gerontology, Series B, Psychological Sciences and Social Sciences*, *65B*, 32-41. (15% contribution, including patient recruitment, editing, direct supervision of student)
- Winocur, G., Moscovitch, M., **Rosenbaum, R.S.**, & Sekeres, M. (2010). A study of remote spatial memory in aged rats. *Neurobiology of Aging*, *31*, 143-150 (20% contribution, including conceptualization, manuscript preparation).
- Rosenbaum, R.S.**, Gilboa, A., Levine, B., Winocur, G., & Moscovitch, M. (2009). Amnesia as an impairment of detail generation and binding: Evidence from personal, fictional, and semantic narratives in K.C. *Neuropsychologia*, *47*, 2181-2187.
- Rosenbaum, R.S.**, Moscovitch, M., Foster, J.K., Schnyer, D.M., Gao, F.Q., Kovacevic, N., Verfaellie, M., Black, S.E., & Levine, B. (2008). Patterns of autobiographical memory loss in medial temporal lobe amnesic patients. *Journal of Cognitive Neuroscience*, *20*, 1490-1506.
- Moses, S.N., Ostreicher, M., **Rosenbaum, R.S.**, & Ryan, J.D. (2008). Successful transverse patterning in amnesia using semantic knowledge. *Hippocampus*, *18*, 121-124. (20% contribution, including interpretation of results, manuscript preparation, direct supervision of student).  
\*Figure from manuscript used as cover art.
- Rosenbaum, R.S.**, Stuss, D.T., Levine, B., & Tulving, E. (2007). Theory of mind is independent of episodic memory. *Science*, *318*, 1257.  
\*Commentary in Research Highlights, *Nature*, *450*, 589 (doi:10.1038/450588a).
- Rosenbaum, R.S.**, Winocur, G., Grady, C.L., Ziegler, M., & Moscovitch, M. (2007). Memory for familiar environments learned in the remote past: fMRI studies of healthy people and an amnesic person with extensive bilateral hippocampal lesions. *Hippocampus*, *17*, 1241-1251.

- Gilboa, A., Winocur, G., **Rosenbaum, R.S.**, Poreh, A., Gao, F., Black, S. E., Westmacott, R., & Moscovitch, M. (2006). Hippocampal contributions to recollection in retrograde and anterograde memory. *Hippocampus*, *16*, 966-980. (30% contribution, including experimental design, test administration, manuscript preparation).
- Moscovitch, M., Nadel, L., Winocur, G., Gilboa, A., & **Rosenbaum, R.S.** (2006). The Cognitive Neuroscience of Remote Memory: A Focus on Functional Neuroimaging. *Current Opinion in Neurobiology*, *16*, 179-190. (20% contribution, including conceptualization, preparation of detailed summary table, editing).  
\*cited as 'of special interest' in *Current Opinion in Neurobiology* (Squire & Bayley, 2007)
- Moscovitch, M., **Rosenbaum, R.S.**, Gilboa, A., Addis, D.R., Westmacott, R., Grady, C.L., McAndrews, M.P., Winocur, G., & Nadel, L. (2005). Functional neuroanatomy of remote episodic (autobiographical), semantic and spatial memory in humans as determined by lesion and functional neuroimaging studies: A unified account based on Multiple Trace Theory, *Journal of Anatomy*, *207*, 35-66. (30% contribution, including conceptualization, preparation of figure, writing, editing).
- Rosenbaum, R.S.**, Köhler, S., Schacter, D. L., Moscovitch, M., Westmacott, R., Black, S.E., Gao, F., & Tulving, E. (2005). The case of K.C.: Contributions of a memory-impaired person to memory theory. *Neuropsychologia*, *43*, 989-1021.
- Winocur, G., Moscovitch, M., Fogel, S., **Rosenbaum, R.S.**, & Sekeres, M. (2005). Preserved spatial memory after hippocampal lesions: Effects of extensive experience in a complex environment. *Nature Neuroscience*, *8*, 273-275. (20% contribution, including conceptualization, manuscript preparation).  
\*Rated as 'Exceptional' by the *Faculty of 1000*, <http://www.f1000biology.com.myaccess.library.utoronto.ca/article/id/1024321>  
\*Cited as 'of outstanding interest' in *Current Opinion in Neurobiology* (Clark & Martin, 2005)
- Rosenbaum, R.S.**, Gao, F.Q., Richards, B., Black, S.E., & Moscovitch, M. (2005). 'Where to?' Remote memory for spatial relations and landmark identity in former taxi drivers with Alzheimer's disease and encephalitis. *Journal of Cognitive Neuroscience*, *17*, 446-462.
- Rosenbaum, R.S.**, Ziegler, M., Winocur, G., Grady, C.L., & Moscovitch, M. (2004). "I have often walked down this street before:" fMRI studies on the hippocampus and other structures during mental navigation of an old environment. *Hippocampus*, *14*, 826-835.  
\*Rated as 'Recommended' by the *Faculty of 1000*, <http://www.f1000biology.com.myaccess.library.utoronto.ca/article/id/1021866>
- Rosenbaum, R.S.**, McKinnon, M., Levine, B., & Moscovitch, M. (2004). Visual imagery deficits, impaired strategic retrieval, or memory loss: Disentangling the nature of an amnesic patient's autobiographical memory deficit. *Neuropsychologia*, *42*, 1619-1635.
- Maki, P.M., Rich, J.B., & **Rosenbaum, R.S.** (2002). Implicit memory varies across the menstrual cycle: estrogen effects in young women. *Neuropsychologia*, *40*, 518-529. (40% contribution, including conceptualization, test administration, data analysis, interpretation of results, writing of first draft, editing).
- Rosenbaum, R.S.**, Winocur, G., & Moscovitch, M. (2001). New views on old memories: re-evaluating the role of the hippocampal complex. *Behavioural Brain Research*, *127*, 183-197.

**Rosenbaum, R.S.**, Priselac, S., Köhler, S., Black, S.E., Gao, F.Q., Nadel, L., & Moscovitch, M. (2000). Studies of remote spatial memory in an amnesic person with extensive bilateral hippocampal lesions. *Nature Neuroscience*, 3, 1044-1048.

### **Papers in Refereed Conference Proceedings (1)**

**Rosenbaum, R.S.**, Winocur, G., Ziegler, M., Hevenor, S.J., Grady, C.L., & Moscovitch, M. (2004). fMRI studies of remote spatial memory in an amnesic person. *Brain and Cognition*, 54, 170-172.

### **Other Refereed Publications (1)**

**Rosenbaum, R.S.** (April 24, 2008). E-Letter Response to Reinhold, N., & Markowitsch, H., "Theory of mind and the Sense of Self," *Science*.

### **SUBMITTED MANUSCRIPTS**

\*trainee authors underlined

**Rosenbaum, R.S.**, Carson, N., Abraham, N., Bowles, B., Kwan, D., Köhler, S. Svoboda, E., Richards, B., & Levine, B. (resubmitted). Impaired event memory and recollection in a case of developmental amnesia. *Neurocase*.

**Rosenbaum, R.S.**, Gilboa, A., Levine, B., Verfaellie, M., Svoboda, E., & Moscovitch, M. (resubmitted). Remote memory loss for spatial details of personal events, but not for context-free spatial layouts, in cases of hippocampal amnesia. *Neuropsychologia*.

Kwan, D., Carson, N., Addis, D.R., & **Rosenbaum, R.S.** (resubmitted). Deficits in past remembering extend to future imagining in developmental amnesia. *Neuropsychologia*.

Kwan, D., Craver, C., Greene, L., Myerson, J., Boyer, P., & **Rosenbaum, R.S.** (under revision). Future decision-making without episodic mental time travel.

**Rosenbaum, R.S.**, Alexander, M., Gallup, G.G. Jr., Gillingham, S., & Stuss, D.T. (under revision). The fractionation of mental state attributions in patients with focal frontal lesions.

### **MANUSCRIPTS IN PREPARATION**

\*trainee authors underlined

Roberts, J.L., Cassidy, B., & **Rosenbaum, R.S.** (invited). Medial temporal lobe amnesia. *Amnesia: Causes, Diagnosis, and Treatments*. Nova Science Publishers.

**Rosenbaum, R.S.**, Murphy, K.J., & Rich, J.B. (invited). To appear in L. Nadel (Ed.), *The Amnesias*. Wiley Interdisciplinary Reviews: Cognitive Science.

Rabin, J.S. and **Rosenbaum, R.S.** Degree of familiarity with situations and people influences the functional overlap between theory of mind and autobiographical memory.

Zackheim, L., Stuss, D.T., Levine, B., Gillingham, S., Richards, B., & **Rosenbaum, R.S.** Investigations of theory of mind in individuals with selective frontal and temporal lobe lesions.

Zackheim, L., Rewilak, D., Murphy, K.J., Stuss, D.T., Itier, R., Ryan, J.D., & **Rosenbaum, R.S.** The effects of extensive damage to a "theory of mind" network on "theory of mind" performance.

Agnihotri, S., Ryan, J.D., Moscovitch, M., Winocur, G., & **Rosenbaum, R.S.** Eye movement studies of recent vs. remote memory for personally significant famous faces.

Gilboa, A., **Rosenbaum, R.S.**, Winocur, G., & Moscovitch, M. Hippocampal contributions to remote spatial memory: evidence from a person with bilateral fornix and septal lesions.

Ryan, J.D., Moses, S.N., Barense, M., & **Rosenbaum, R.S.** Intact Learning of New Relations in Amnesia is achieved through Unitization

Moses, S.N., Kovacevic, N., Bardouille, T., Hanlon, F.M., **Rosenbaum, R.S.**, McIntosh, A.R., & Ryan, J.D. Neural underpinnings of compensation for hippocampal damage during transverse patterning recorded with MEG.

**Rosenbaum, R.S.**, Agnihotri, S., Ryan, J.D., Winocur, G., & Moscovitch, M. Long-term representations of familiar landmarks and scenes as revealed with eye movements.

**Rosenbaum, R.S.**, Winocur, G., & Moscovitch, M. Remote spatial memory is unaffected in normal aging: implications for hippocampal function.

Hirschhorn, M., Moscovitch, M., Grady, C.L., **Rosenbaum, R.S.**, Winocur, G. An fMRI study of the hippocampus and other structures involved in memory for a recently learned environment.

## **PUBLISHED ABSTRACTS**

\*trainee authors underlined

Rabin, J.S., & **Rosenbaum, R.S.** (2010). Familiarity and vividness modulate the relationship between autobiographical memory and theory of mind. Nano-symposium to be presented at the 40<sup>th</sup> Annual Society for Neuroscience Conference, November 13-17, 2010, San Diego, CA.

Rabin, J.S., & **Rosenbaum, R.S.** (2010). Familiarity increases theory of mind and autobiographical memory overlap: A network approach. Poster to be presented at the 16<sup>th</sup> annual meeting of the Organization for Human Brain Mapping, June 6-10, 2010, Barcelona, Spain.

Kwan, D., Craver, C., Green, L., Myerson, J., Boyer, P., & **Rosenbaum, R.S.** (2010). Future decision-making without episodic mental time travel. Poster presented at the 17<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, Montreal, QC.

Carson, N., Kwan, D., Addis, D.R., & **Rosenbaum, R.S.** (2010). Deficits in past remembering extend to future imagining in developmental amnesia. Poster presented at the 17<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, Montreal, QC.

Rabin, J.S., & **Rosenbaum, R.S.** (2010). Degree of familiarity with situations and people influences the functional overlap between theory of mind and autobiographical memory. Paper presented at the 17<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, Montreal, QC.

\*among a select few included in a slide session

Chau, V.L., Murphy, E.F., **Rosenbaum, R.S.**, Ryan, J.D., & Hoffman, K.L. (2010). Change detection in visual search reveals explicit memory across species. Poster presented at the 17<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, Montreal, QC.

- Howard, S.J., Rabin, J.S., Stuss, D.T., & Rosenbaum, R.S. (2010). Effects of lateral lesions on medial activation during autobiographical remembering. Poster presented at the joint Berkley-Rotman Research Institute Conference on the Frontal Lobes, Toronto, ON.  
\*selected as part of the moderated poster session
- Hirshhorn, M., Moscovitch, M., Grady, C., Rosenbaum, R.S., & Winocur, G. The hippocampus is involved in mental navigation for recently learned, but not highly familiar environments. Poster presented at the 50<sup>th</sup> Annual Meeting of the Psychonomic Society, November 19-20, 2009, Boston, MA.
- Zackheim, L., Stuss, D.T., Gillingham, S., Rewilak, D., Murphy, K.J., & Rosenbaum, R.S. (2009). The effects of extensive damage to a “theory of mind” network on “theory of mind” performance. Poster presented at the 39<sup>th</sup> Annual Society for Neuroscience Conference, Chicago, IL.
- Ryan, J.D., Ostreicher, M., Kamino, D., Moses, S.N., & Rosenbaum, R.S. (2009). Processing and acquisition of relations in amnesia and healthy aging. Nano-symposium presented at the 39<sup>th</sup> Annual Society for Neuroscience Conference, Chicago, IL.
- Rabin, J.S., Stuss, D.T., Gilboa, A., Mar, R.A., & Rosenbaum, R.S. (2009). Unique neural correlates of autobiographical memory and theory of mind. Poster presented at the 16<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Agnihotri, S., Ryan, J.D., Moscovitch, M., Winocur, G., M.-E. Couture, & Rosenbaum, R.S. (2009). Long-term representations of familiar landmarks and scenes as revealed behaviourally and with eye movements. Poster presented at the 16<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Ryan, J.D., Moses, S.N., & **Rosenbaum, R.S.** (2008). Intact and impaired transverse patterning performance in an amnesic patient with extensive medial temporal lobe damage. Poster presented at the 38<sup>th</sup> Annual Society for Neuroscience Conference, Washington, D.C.
- Rabin, J.S., Stuss, D.T., Gilboa, A., & Rosenbaum, R.S. (2008). Distinct neural networks support autobiographical memory and theory of mind. Poster presented at the 2<sup>nd</sup> Annual Social and Affective Neuroscience Conference, Boston, MA.
- Hirschhorn, M., Moscovitch, M., Grady, C.L., Rosenbaum, R.S., Winocur, G. (2007). An fMRI study of the hippocampus and other structures involved in memory for a recently learned environment. Poster presented at the 37<sup>th</sup> Annual Society for Neuroscience Conference, San Diego, CA.
- Ostreicher, M., Moses, S.N., Rosenbaum, R.S., & Ryan, J.D. (2007). Successful transverse patterning in amnesia using existing semantic knowledge. Poster presented at the 37<sup>th</sup> Annual Society for Neuroscience Conference, San Diego, CA.
- Rosenbaum, R.S., Stuss, D.T., Alexander, M., Gallup, G.G. Jr., & Gillingham, S.** (2007). The fractionation of mental state attributions in patients with focal frontal lesions. Poster presented at the 14<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, New York, NY.
- Rosenbaum, R.S., Levine, B., & Stuss, D.T.** (2005). Auto-noetic consciousness is not necessary for theory of mind. *Journal of the International Neuropsychological Society*, 11 (Suppl. S1), 143. Poster presented at the International Neuropsychological Society Annual Conference, St. Louis, MI.

**Rosenbaum, R.S.**, Winocur, G., & Moscovitch, M. (2004). Remote memory loss for spatial details of personal events, but not for context-free spatial layouts, in a case of hippocampal amnesia. Poster presented at the Neurons and Memory Meeting, San Diego, CA.

**Rosenbaum, R.S.**, Furey, M., Horwitz, B., & Grady, C.L. (2004). Altered communication between emotion-related brain regions supports short-term memory in Alzheimer's disease. Poster presented at the 34<sup>th</sup> Annual Society for Neuroscience Conference, San Diego, CA.

**Rosebaum, R.S.**, Black, S.E., Gao, F.Q., & Moscovitch, M. (2003). Remote spatial memory in a former taxi driver with Alzheimer's disease. Poster presented at the 33<sup>rd</sup> Annual Society for Neuroscience Conference, New Orleans, LA.

Gilboa, A., **Rosenbaum, R.S.**, Westmacott, R., Grady, C.L., Winocur, G., & Moscovitch, M. (2003). I know the forest, but don't remember the trees - behavioural and neuroimaging studies of remote memory for autobiographical details in amnesia. Paper presented at the Brenda Milner Symposium, Montreal.

**Rosenbaum, R.S.**, McKinnon, M., Levine, B., & Moscovitch, M. (2003). Visual imagery or strategic retrieval: Disentangling the nature of patient KC's autobiographical memory deficit. Poster presented at the 10<sup>th</sup> Annual Cognitive Neuroscience Society Meeting, New York, NY.

**Rosenbaum, R.S.**, Ngo, L., & Moscovitch, M. (2002). Neural Correlates of Navigation and Landmark Identification. Poster presented at the 32<sup>nd</sup> Annual Society for Neuroscience Conference, Orlando, FL.

**Rosenbaum, R.S.**, Priselac, S., & Moscovitch, M. (1999). Studies of remote spatial memory in an amnesic person with extensive bilateral hippocampal lesions. Poster presented at the 29<sup>th</sup> Annual Society for Neuroscience Conference, Miami, FL.

Rich, J.B., Maki, P., & **Rosenbaum, R.S.** (1999). Implicit memory performance in young women across the menstrual cycle. Poster presented at the Annual International Neuropsychological Society Conference in Boston, MA.

## INVITED SCHOLARLY PRESENTATIONS

*A neuropsychological perspective on "The man with a two-second memory."* Remembering Mr. Breutel: A multi-disciplinary discussion of a forgotten amnesic case study. Center for Programs, Washington University, St. Louis, MI, February 26, 2010.

*Decision-making in amnesia.* Kathleen McDermott lab meeting, Department of Psychology, Washington University, St. Louis, MI, February 24, 2010.

*Episodic memory: The past, present, and future.* Cognitive Science Speaker Series, York University, November 25, 2009.

*The past, present, and future of episodic memory as informed by the amnesic case K.C.* Meeting of the Memory Disorders Research Society, Chapel Hill, North Carolina, September 2009.

Chair and Moderator, Symposium on *Does the Case Study Approach Continue to Inform the Cognitive Neuroscience of Memory? Lessons from H.M.* Meeting of the Memory Disorders Research Society, Chapel Hill, North Carolina, September 2009.

*Frontal lobe contributions to mental state awareness.* The human frontal lobes and the mind: an interdisciplinary conference, Festschrift in Honour of Donald Stuss, Hart House, University of Toronto, June 11, 2009.

*Do patient and fMRI studies tell the same story? The case of 'mental displacement.'* Imaging Rounds, Toronto Western Hospital, May 26, 2009.

*The cognitive neuroscience of remote memory.* Neuroscience Seminar Series, Neuroscience Diploma Program, York University, April 28, 2009.

*Patient and neuroimaging studies of current and future thinking.* Neuroscience Sunnybrook Health Sciences Centre, Toronto, March 5, 2009.

*Episodic memory contributions to temporal distance judgments.* Research Rounds, Rotman Research Institute, Baycrest, March 2, 2009.

*Functional and neural correlates of episodic memory.* Sunnybrook-Baycrest Neurosciences Research Day, Sunnybrook Health Sciences Centre, Toronto, January 8, 2009.

*Do patient and fMRI studies tell the same story? The case of 'mental displacement.'* Meeting of the Memory Disorders Research Society, St. Louis, Missouri, September 2008.

*Do patient and fMRI studies tell the same story? The case of 'mental displacement.'* Psychology In-House Conference, Glendon College, York University, April 2008.

*Detailed vs. schematic representations in memory.* Research Rounds, Department of Psychology, Baycrest, September 2007.

*Detailed vs. schematic representations in memory.* Episodic Memory and the Brain: Festschrift in Honour of Endel Tulving. Tallinn, Estonia, May 2007.

*Patient and functional neuroimaging studies of memory for places, events, and facts.* Psychology In-House Conference, Glendon College, York University, April 2007.

*Schematic vs. detailed representations in remote spatial memory.* Meeting of the Memory Disorders Research Society, Toronto, Ontario, September 2006.

*The fractionation of remote spatial memory.* Meeting of the Memory Disorders Research Society, Tucson, Arizona, September 2005.

Chair and Discussant, Symposium on *Recent and remote spatial memory: When is the hippocampus needed?* The International Neuropsychological Society Annual Conference, St. Louis, Missouri, February 2005.

The hippocampus is needed for remote memory of autobiographical episodes but not spatial layouts: Evidence from amnesic patients and fMRI. Symposium on *Recent and remote spatial memory: When is the hippocampus needed?* The International Neuropsychological Society Annual Conference, St. Louis, Missouri, February 2005.

*Mental travel through time and space, and into other people's minds: Patient and fMRI investigations.* Department of Life Sciences, University of Toronto Scarborough Campus, Toronto, Ontario, January 2005.

*Lesion and fMRI studies of remote spatial and autobiographical memory.* Department of Psychology, Atkinson Faculty of Liberal and Professional Studies, York University, Toronto, Ontario, November 2004.

*Is there a place for the hippocampus in memory for places? Neural correlates of remote spatial memory.* Department of Psychology, McMaster University, Hamilton, Ontario, February 2003.

*Is there a place for the hippocampus in memory for places? An fMRI study of remote spatial memory.* Paper presented at the Rotman Research Institute Retreat, Sunnybrook and Women's College Health Sciences Centre, Toronto, Ontario, September 2002.

*Remote spatial memory in a former taxi driver with Alzheimer's disease.* Paper presented at the Southern Ontario Neuropsychology Conference, York University, Toronto, Ontario, May 2002.

*Hippocampal contributions to recent and remote spatial memory.* Paper presented at Rotman Research Rounds, Rotman Research Institute, Baycrest Centre for Geriatric Care, Toronto, Ontario, September 1999.

## INTERVIEWS AND MEDIA COVERAGE

\*work has also been covered extensively in the York University e-newspaper **Y-File**

05/10 **APA Monitor on Psychology**, May 2010, American Psychological Association, Personalities Profile.

03/10 **New York Times**, March 2, 2010, Announcement of the 2010 Sloan Research Fellows.

02/10 **Washington University Record**, February 25, 2010, "Man with two-second memory subject of scholarly debate"

12/09 **National Post**, December 19, 2009, "Total Recall" (Series on memory and amnesia by Joseph Brea)

**National Post**, December 18, 2009, "Memory: Is it what makes us human?" (by Joseph Brea)

12/09 **YorkU Magazine**, "Memory bank: Unlocking the mystery of the hippocampus"

10/09 **Citytv News**, October 20, 2009, "Use it or lose it" (commentary on the effects of GPS on navigational ability)

10/08 **YorkU Magazine**, October 2008, "Spotless minds"

11/07 World media attention: Rosenbaum et al., 2007, *Science*, 318, 1257.

**Canadian Press**, November 22, 2007

**CBC News**, Science and Technology, November 22, 2007, "Ability to read others' emotions can withstand memory loss, study suggests"

**The Toronto Star**, November 23, 2007, "Amnesiacs' social skills unimpaired"

**Yahoo.ca**, Health headline, November 23, 2007, “Episodic memory not needed to be able to put self into the shoes of others: study”

**Yahoo India**, News, November 24, 2007, “People with autobiographical memory loss still sensitive to others”

**Science and Consciousness Review**, November 26, 2007, “Is theory of mind dependent on episodic memory?”

**USA Today**, Health, November 29, 2007, “Memory loss may not mean loss of sensitivity to others”

11/07 **United Press International**, “Memory not the only tie that binds”

**CTV News**, Health, November 23, 2007, “Toronto-area amnesic helps neuroscience”

11/07 **The Toronto Star**, Expert commentary on living with amnesia, “No time but the present”

01/07 **Nature**, Expert commentary on: Hassabis, D., Kumaran, D., Vann, S.D., & Maguire, E.A. Patients with hippocampal amnesia can not imagine new experiences, *Proceedings of the National Academy of Sciences* (doi:10.1038/news070115-2).

09/00 **National Post**, Discovery: Neuroscience, September 20, 2000, “An amnesiac’s memory” (media attention: Rosenbaum et al., 2000, *Nature Neuroscience*, 3, 1044-48).

## PROFESSIONAL CONTRIBUTIONS

### Editorial Positions

2008-present Reviewing Editor, *Frontiers in Human Neuroscience*

### Grant Review: Ad Hoc

2008 Social Sciences and Humanities Research Council of Canada (SSHRC), Standard Research Grant  
Canadian Institutes of Health Research (CIHR), Operating Grant  
Medical Research Council (UK)

2006 Alzheimer’s Association (USA)  
Natural Sciences and Engineering Research Council

2004 National Science Foundation (USA)

### Manuscript Review: Ad Hoc

\*number of articles evaluated in parentheses

2001-present Brain (4), Brain and Cognition (1), Cognition and Emotion (1), Cognitive Neuropsychology (1), Cortex (4), European Journal of Neuroscience (1), Hippocampus (6), Human Brain Mapping (2), Journal of Cognitive Neuroscience (4), Journal of the International Neuropsychological Society (1), Journal of Neuropsychology (1), Memory and Cognition (1), Nature Reviews Neuroscience (1), NeuroImage (4), Neuropsychologia (8), Neuropsychology (1), Neuroscience (1), Proceedings of the

National Academy of Sciences (1), Psychology and Aging (1), Trends in Cognitive Sciences (1)

### **Positions in Professional Associations**

- 2008- Collaborative Scientist, Heart and Stroke Foundation of Ontario Centre for Stroke Recovery
- 2005-2006 Associate Member, Heart and Stroke Foundation of Ontario Centre for Stroke Recovery
- 2004-2005 Member, Program Committee for 33<sup>rd</sup> Annual Meeting of the International Neuropsychological Society
- 2000-2001 Chair, Annual Conference of the Southern Ontario Neuropsychology Group

### **Membership in Professional Associations**

Association for Psychological Science, 2008-  
 Memory Disorders Research Society, Elected member, 2006-  
 The College of Psychologists of Ontario, 2003-  
 International Neuropsychological Society, 1997-  
 Canadian Psychological Association, 2003-  
 Society for Neuroscience, 1998-  
 Cognitive Neuroscience Society, 1999-

### **TEACHING**

\*includes maternity leaves from January to June 2006 and from November to July 2008

### **Undergraduate**

Courses (asterisk indicates courses that I revised substantially):

- Winter 2011 Course Instructor, Neural Basis of Behaviour, HH/PSYC 3250 3.0 N
- Winter 2007 Course Instructor, Neural Basis of Behaviour, HH/PSYC 3250 3.0 N
- \*Course Instructor, Seminar in Memory and Cognition HH/PSYC 4270 3.0
- Fall 2005 Course Instructor, Neural Basis of Behaviour, ATK/PSYC 3250 3.0

### **Supervision:**

- Summer 2010 Stevenson Baker, NSERC Undergraduate Research Student Award (USRA), Project title: "fMRI studies of lab-based vs. real-world episodic memory"
- 2009-2010 Audrey Wong, Independent Study, Department of Psychology, Project Title: "The neuroanatomy of spatial memory"
- 2009-2010 Benjamin Cassidy, Independent Study, Department of Psychology, Project Title: "The neuroanatomy of spatial memory"
- 2009-2010 Stevenson Baker, B.A. Honours Thesis, Department of Psychology, Thesis Title: "fMRI studies of lab-based vs. real-world episodic memory"

- Summer 2009 Matthew Gladman, NSERC Undergraduate Research Student Award (USRA), Project Title: "Eye movement studies of episodic-semantic interactions in face recognition" (accepted to Medical School, University of Toronto)
- 2008-2009 Anna Braverman, B.A. Honours Thesis, Department of Psychology, Thesis Title: "The effects of earlier episodic memory impairment on the development of theory of mind" \*recipient of the award for best oral presentation in Cognition at the Undergraduate Thesis Conference, McMaster University
- 2008-2009 Nachum Abraham, B.A. Honours Thesis, Department of Psychology, Thesis Title: "Characterization of declarative memory in a developmental amnesic person"
- 2007-2008 Aliya Solski, B.Sc. Honours Thesis, Cognitive Science Program, Thesis Title: "Future Temporal Distance Judgments in Amnesia"
- 2006-2007 Sabrina Angihotri, B.Sc. Honours Thesis, Department of Psychology, Thesis Title: "Recent and Remote Memory for Faces"
- 2006-2007 Melanie Ostreicher, B.Sc. Honours Thesis, Department of Psychology, Thesis Title: "Formation and Processing of Relations in Amnesia" (currently in Medical School, University of Toronto)  
\*recipient of the Canadian Psychological Association Award of Academic Excellence for best Honours thesis

### **Graduate**

#### **Courses (asterisk indicates new course that I developed):**

- Fall 2008 \*GS/PSYC 6252 3.0 Cognitive Neuroscience

#### **Supervision (Primary):**

- 2010- Raluca Petrican, Postdoctoral Fellow
- 2010- Nicole Carson, M.A. Candidate, Department of Psychology, York University
- 2009- Jennifer Rabin, Ph.D. Candidate, Department of Psychology, York University
- 2009- Janet Roberts, M.A. Candidate, Department of Psychology, York University, Thesis Title: "The effects of repetition and lag on free recall: An fMRI investigation of camatosis theory"
- 2008- Donna Kwan, M.A. Candidate, Department of Psychology, York University, Thesis Title: "Episodic memory contributions to temporal distance judgments"
- 2007-2009 Jennifer Rabin, M.A. Candidate, Department of Psychology, York University, Thesis Title: "Common and unique neural correlates of autobiographical memory and theory of mind"  
\*recipient of the Canadian Psychological Association Award of Academic Excellence for M.A. thesis and selected to represent Psychology in the Faculty of Graduate Studies thesis prize competition
- 2006- Stephanie Hornyak, Ph.D. Candidate, Department of Psychology, York University,

Thesis Title: "Remote memory for spatial, episodic, and semantic information"

2005- Lisa (Kadish) Zackheim, Ph.D. Candidate, Department of Psychology, York University, Thesis Title: "An investigation of theory of mind: Neuroanatomic underpinnings and cognitive-behavioural makeup"

**Supervision (Committee Member):**

Oct. 2009 Steven Howard, Committee Member (Dean's Representative), M.A. Thesis, Department of Psychology, York University (Primary Supervisor: Janice Johnson)

2009- Belinda Karsen, Committee Member, Ph.D. Dissertation, Department of English, York University (Primary Supervisor: Terry Goldie)

2007- Alexandra Arnold-Oatley, Committee Member, Ph.D. Dissertation, Department of Psychology, York University, Thesis Title: Scanpath analysis: The potential for remediation of facial emotion perception deficits and increased social integration in adults with traumatic brain injuries (Primary Supervisor: Maxine Wintre)

2007-2009 Shumita Roy, Committee Member, M.A. Thesis, Department of Psychology, York University, Thesis Title: Dissociating the memory systems mediating complex tool knowledge and skills (Primary Supervisor: Norman Park)

2006-2008 Xiaojia Feng, Committee Member, Ph.D. Dissertation, Department of Psychology, York University, Thesis Title: "Working Memory and Bilingualism: An Investigation of Executive Control and Processing Speed" (Primary Supervisor: Ellen Bialystock)

2005-2009 Beverly Bouffard, Committee Member, Ph.D. Dissertation, Department of Psychology, York University, Thesis Title: "Memory Functioning and Unipolar Depression" (Primary Supervisor: Jill B. Rich)

2005-2007 Sabrina Lombardi, Committee Member, M.A. Thesis, Department of Psychology, York University, Thesis Title: The cognitive processes underlying routine and novel naturalistic action performance in stroke patients (Primary Supervisor: Norman Park)

**Minor Area Paper Committee:**

2009- Steven Howard, Ph.D. Candidate (Primary Supervisor: Janice Johnson)

2008-2010 Raluca Barac, Ph.D. Candidate, Title: "Understanding the role of white matter in cognitive functioning: An analysis of pediatric multiple sclerosis" (Primary Supervisor: Ellen Bialystock)

2008- Stephanie Hornyak, Ph.D. Candidate, Title: "Neural networks underlying remote spatial memory: An effective connectivity analysis"

2007 Lisa Zackheim, Ph.D. Candidate, Title: "Efficacy of interventions for social cognitive deficits in acquired brain injury"

2006 Erica Barbuto, Ph.D. Candidate, Title: "The Nature of Memory Representations for Different Types of Events" (Primary Supervisor: Norman Park)

**Professional Development**

09/02-12/02 Teaching Practicum, Department of Psychology, University of Toronto

### **Other Institutions**

#### **Courses:**

- Winter 2005 Co-Instructor, Human Memory, PSY 372, Department of Psychology, University of Toronto
- Winter 2003 \*Co-Instructor, Cognition and Psychopathology, PSY 342, Department of Psychology, University of Toronto
- Winter 2002 Tutorial Instructor, Cognitive Neurology, PSY 393, Department of Psychology, University of Toronto
- Fall 2000 Tutorial Instructor, Cognitive Neurology, PSY 393, Department of Psychology, University of Toronto
- 1998-2000 Teaching Assistant, Department of Psychology, University of Toronto, Courses in Cognition, Cognitive Neurology, Reasoning and Critical Thinking, Attention and Performance, Introductory Psychology

#### **Supervision (Clinical):**

- 01/10-09/10 Kim Savage, Clinical Neuropsychology Intern, Department of Psychology, Baycrest
- 01/10-09/10 Alexandre Boulanger, Clinical Neuropsychology Intern, Department of Psychology, Baycrest

#### **Co-Supervision (Research):**

- 2005-2006 Steven Kuo, B.Sc. Honours Thesis, Department of Psychology, University of Toronto
- 2001-2002 Le-Anh Ngo, B.Sc. Honours Thesis, Department of Psychology, University of Toronto, Thesis Title: "Components of spatial memory and possible brain correlates" (obtained M.Sc. in Rehabilitation Sciences from University of Toronto; currently employed as a psychometrist at Credit Valley hospital)
- 1998-1999 Sandra Priselac, B.Sc. Honours Thesis, Department of Psychology, University of Toronto, Thesis Title: "Remote Memory for Spatial Information in Amnesic Individuals"

#### **Guest Lectures in Other Courses:**

- April 6, 2009 Guest lecture on "The Job Market and Beyond," PSYCH 3001, Professional Psychology: Research Ethics and Survival Skills, Department of Psychology, University of Toronto (Course Instructor: S. Shettleworth)
- Winter 2002 Guest lectures on "Semantic Memory" and "Spatial Cognition," Cognitive Neurology, PSY 393, Department of Psychology, University of Toronto (Course Instructor: M. Moscovitch)
- Fall 2000 Guest lecture on "Semantic Memory," Cognitive Neurology, PSY 393, Department of Psychology, University of Toronto (Course Instructor: M. Moscovitch)

Winter 1998 Guest lecture on the "Neurophysiology and Neuropsychology of Attention," Attention and Performance, PSY 375, Department of Psychology, University of Toronto (Course Instructor: J. Pratt)

### **Course/Curriculum Development**

GS/PSYC 6430 6.0 Assessment in Psychology  
 GS/PSYC 6252 3.0 Cognitive Neuroscience  
 GS/PSYC Functional Neuroanatomy

### **Service on Teaching Committees**

2008-2010 Member, Committee on Examinations and Academic Standards (cross-referenced under Service)  
 \*Designated as Chair of CEAS effective January 2009

### **SERVICE**

\*includes maternity leaves from January to June 2006 and from November 2007 to July 2008

### **Graduate**

2009-2010 Initiated development of the York Research Participant Pool (YRPP), Clinical Area  
 2009-2010 Program Development for Neuropsychology Stream, Clinical Area  
 2007- Curriculum Development for Assessment Stream, Clinical Area  
 2006, 2007, 2008, 2010 Faculty Rater, Graduate Student Admissions, Clinical Area  
 Fall 2006 Faculty Rater, NSERC graduate student fellowships  
 2007 Member, Clinical Area Hiring Committees (Assessment and Intervention Positions)  
 2006-2007 Norm Endler Award Nomination Committee, Clinical Area  
 2006- Member, Clinical Competency Examination Committee, Clinical Area (6): Sabrina Lombardi (06/10); Madalyn Marcus (05/10); Tali Boritz (03/10, passed); Longena Ng (10/07, passed), Lephuong Ong (11/06, passed), Jennifer Lewin (09/06, passed)  
 2005- Member, Graduate Student Programmes and Petitions Committee, Clinical Area  
 2002-2003 Academic Representative, Graduate Psychology Faculty (University of Toronto)  
 2001-2003 Vice Chair, Psychology Graduate Students Association (University of Toronto)

### **Department**

04/2009 Teaching Evaluation of Contract Faculty Member (V. Rekkas, PSYC 4080 Neuropsychology of Abnormal Behaviour)

2006-2007 Member, Executive Committee

### **Faculty**

- 06/2010 Teaching Evaluation of Full-Time Faculty Member for Tenure and Promotion (M. Fallah, PSYC 3650 Functional Neuroanatomy)
- 2009-2010 Chair, Committee on Examinations and Academic Standards (cross-referenced under Teaching)
- 2008-2009 Member, Committee on Examinations and Academic Standards (cross-referenced under Teaching)  
\*Designated as Chair of CEAS effective January 2009
- 2008- Co-developed and co-coordinator of Neuroscience Seminar Series with D.A. Crawford (Kinesiology and Health Sciences)
- 2006-2007, 2008- Member, Neuroscience Program Steering Committee

### **Hospital**

- 01/10 Clinical Intern Applicant Reviewer, Psychology Department, Baycrest
- 09/06 Internal Grant Reviewer, Ontario Mental Health Foundation, Rotman Research Institute, Baycrest
- 06/04 Ethics Reviewer, Baycrest

### **Community**

- 2007- Mentor, Synapse-CIHR Youth Connection
- 2007- Panel Member and Scientist Demonstrator, Baycrest Annual "Meet the Scientists" Day, Mackenzie High School, Toronto, ON
- 2007 Faculty Advisor, Neuroscience Outreach Program (Toronto-based Elementary Schools), Brain Awareness Week
- 2005-2006 Panel Member, High School Career Day, Community Hebrew Academy of Toronto, Toronto, ON

### **CLINICAL NEUROPSYCHOLOGY PRACTICE**

- 2003-2005 Neuropsychological assessment of adult neurological and psychiatric outpatients, Department of Psychology, Baycrest (required supervised clinical experience while on the Temporary Registry of the College of Psychologists of Ontario), Supervisors: Donald T. Stuss, Larry Leach
- 2001-2003 Psychometrist, Neuropsychology Consulting Service, Sunnybrook Health Sciences Centre, Supervisor: Prathiba Shammi
- 2001-2002 Psychometrist, Departments of Psychology and Research, Toronto Rehabilitation

Institute, Supervisor: Robin Green

2001-2002     Instructor, Memory and Aging Program, Department of Psychology, Baycrest,  
Supervisor: Angela Troyer

updated 05/10/10