

## Elizabeth Anne Rochon, Ph.D.

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### Curriculum Vitae

**Current Position:** Associate Professor,  
Graduate Department of Speech-Language Pathology  
Faculty of Medicine, University of Toronto

**Work Address:** 500 University Avenue, Room 1046  
Rehabilitation Sciences Building  
Centre for Function and Well Being  
Toronto, ON  
M5G 1V7 Canada

**Office Phone:** (416) 978-8332

**Lab Phone:** (416) 946-8632

**Fax:** (416) 978-1596

**Email:** elizabeth.rochon@utoronto.ca

### Education

Post-doctoral Fellow (1992-95)	Moss Rehabilitation Research Institute	Moss Rehab Hospital and Temple University Philadelphia, PA.
Ph.D. (1992)	Speech-Language Pathology Dean's Honour List	McGill University Montreal, Quebec.
M.Sc.(A.) (1987)	Speech-Language Pathology	McGill University Montreal, Quebec.
B.A. (1985)	Honours Psychology Magna cum Laude	University of Ottawa Ottawa, Ontario
B.A. (1981)	Psychology cum Laude	University of Ottawa Ottawa, Ontario

## **Theses**

**The nature and determinants of sentence comprehension impairments in patients with Alzheimer's disease.** Ph.D. Thesis, McGill University, 1992.  
Supervisor: Dr. Gloria Waters

**Towards a computational model of the semantic representation of spatial terms: The special case of ABOVE and BELOW.** Undergraduate Honours Thesis, University of Ottawa, 1985.  
Supervisor: Dr. Alain Desrochers

## **Research Project**

**On the nature of working memory processes in apraxic patients.** M.Sc.(A.) Research Project, McGill University, 1987.  
Supervisor: Dr. Gloria Waters

## **Professional Experience**

### **Academic**

Associate Professor, University of Toronto, Department of Speech-Language Pathology	2004-present
Senior Scientist, Toronto Rehabilitation Institute	2005-present
Scientist, Toronto Rehabilitation Institute	2004-2005
Assistant Professor, University of Toronto, Department of Speech-Language Pathology	1997-2004
Silverman Scientist, Applied Research Unit, and Speech-Language Pathology Researcher, Department of Communication Disorders, Baycrest Centre for Geriatric Care, Assistant Professor, status only, University of Toronto, Department of Speech-Language Pathology	1995-1997
Adjunct faculty member, Moss Rehabilitation Research Institute, Philadelphia, PA.,	1995-2000.
Lecturer, McGill University, School of Human Communication Disorders,	1991-1992

### **Professional Qualifications**

Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA)  
 Certified member, Academic  
 College of Audiologists and Speech-Language Pathologists of Ontario (CASLPO)  
 Registered member

### **Fellowships, Honours and Awards**

#### **Undergraduate**

Government of Ontario Scholarship for Study in a Second Language 1979-80

Dean's Honour List, University of Ottawa 1984-85

#### **Graduate**

McGill Summer Bursary 1987-88

Beatty M.H Bursary 1987-88

McGill Medical Faculty Internal Studentship 1988-89

McGill Major Fellowship 1988-89

National Health Research and Development Program (NHRDP) National Health Ph.D. Fellowship 1989-92

Medical Research Council of Canada: Medical Research Council Studentship (declined) 1989-90

Fonds pour la formation de chercheurs et l'aide à la recherche (FCAR):Bourse de doctorat (declined) 1989-90

Fonds de la recherche en santé du Québec (FRSQ): Bourse de formation de troisième cycle en recherche en santé (declined) 1989-90

McGill Medical Faculty Internal Studentship (declined) 1991-92

Fonds de la recherche en santé du Québec (FRSQ): Bourse de formation post-troisième cycle (postdoctorale) en recherche en santé (declined) 1992-93

Alzheimer Society of Canada: Post-Doctoral Award 1992-94

Moss Rehabilitation Research Institute Fellowship 1994-95

### **Research Grants Received**

<p><b>Canadian Institutes of Health Research (CIHR)</b>  The extension of the COACH prompting system to  Nutrition-related activities in older adults  Co-P.I.s: A. Mihailidis, A. Astell  Co-applicant: E. Rochon</p>	<p>2009-12    \$225,000</p>
<p><b>Canadian Institutes of Health Research (CIHR)</b>  An intervention to enhance relational care  P.I.: K. McGilton  Co-applicants: M. Fox, E. Rochon, S. Sidani, R. Sorin-Peters</p>	<p>2009-12    \$260,145</p>
<p><b>Canadian Institutes of Health Research (CIHR)</b>  An in-patient rehabilitation model of care targeting cognitive  impairment for patients  P.I.: K. McGilton  Co-applicants: A. Davies, G. Naglie, S. Jaglal, E. Rochon,  J. Flannery, N. Mahomed</p>	<p>2009-12    \$369,000</p>
<p><b>Canadian Institutes of Health Research (CIHR)</b>  The language impairment in progressive aphasia:  A longitudinal neuropsychological and imaging study  Co-investigators: S. Black, B. Levine, C. Leonard  Collaborators: M. Freedman, T.Chow, D. Tang-Wai,  N. Graham</p>	<p>2007-12    \$511,838</p>
<p><b>Heart and Stroke Foundation of Canada</b>  Understanding the behavioural, neural and  communicative changes underlying the treatment  for anomia in aphasia  Co-investigator: Carol Leonard  Collaborators: Cheryl Grady &amp; Simon Graham</p>	<p>2007-09    \$181,498</p>
<p><b>Bell University Laboratories</b>  Context-aware mobile devices and wireless services  As cognitive aids for senior citizens, Co-applicant  P.I.: R. Baecker  Co-applicants: S. Black, E. Rochon, D. Ryan, E.I de Lara</p>	<p>2007-08    \$75,000</p>
<p><b>Heart and Stroke Foundation of Canada</b>  Neural, linguistic and communicative changes after  treatment for anomia  Co-investigator: Carol Leonard  Collaborators: Cheryl Grady &amp; Simon Graham</p>	<p>2004-07    \$323,604</p>
<p><b>Canadian Institutes of Health Research (CIHR)</b>  Treatment for naming impairments in aphasia.</p>	<p>2001-04    \$137, 982</p>

Co-investigator: Carol Leonard

**University of Toronto New Staff Matching Grant** 1998-01  
 Differentiation of Alzheimer's disease from Primary \$30,000  
 Progressive Aphasia: Evidence from clinical, experimental  
 and neuroimaging studies

**Heart and Stroke Foundation of Canada** 1997-99  
 Language impairments after stroke: Therapy for sentence \$81,264  
 comprehension and production impairments (received 1996;  
 deferred till 07/97)

**Alzheimer Society of Canada** 1996-98  
 Sentence comprehension and production in Alzheimer's \$91,352  
 disease: Semantic vs. syntactic impairments

### Research Grant Consultant

Canadian Longitudinal Study of Aging: Health outcomes theme, Audiology  
 and Speech-Language Pathology working group

Social Sciences and Humanities Research Council of Canada, Strategic Research Cluster,  
*Language Performance: Doing language in real time*; Team member.  
 Co-P.I.s: J. Archibald, G. Libben, N. Segalowitz

### Publications

#### **Peer-Reviewed**

Jokel, R., Rochon, E., Anderson, N. (in press). Errorless learning of computer-generated words  
 in a patient with semantic dementia. *Neuropsychological Rehabilitation*.

McGilton, K.S., Boscart, V.M., Fox, M., Sidani, S., Rochon, E., Sorin-Peters, R. (in press). A  
 systematic review of the effectiveness of communication interventions for health care providers  
 caring for patients in residential care settings. *Worldviews on Evidence-Based Nursing*.

Jokel, R., Cupit, J., Rochon, E., Leonard, C. (2009). Re-learning lost vocabulary in nonfluent  
 progressive aphasia with MossTalk Words. *Aphasiology*, 23(2), 175-191.

Leonard, C., Rochon, E., Laird, L. (2008). Treating naming impairments in aphasia: Findings  
 from a phonological components analysis treatment. *Aphasiology*, 22(9), 923-947.

Wells, J., McGilton, K.S., Naglie, G., Teare, G., Davis, A., Rochon, E., & Calabrese, S. (2008).  
 Assessing Ontario geriatric rehabilitation practices for patients with hip fracture and dementia.  
*Canadian Journal of Geriatrics*, 11(3), 146-152.

McGilton, K., Wells, J., Teare, G., Davis, A., Rochon, E., Calabrese, S., Naglie, G., & Boscart, V. (2007). Rehabilitating patients with dementia who have had a hip fracture: Part I: Behavioral symptoms that influence care. *Topics in Geriatric Rehabilitation, 23*, 161-173.

McGilton, K., Wells, J., Davis, A., Rochon, E., Calabrese, S., Teare, G., Naglie, G., Biscardi, M. (2007). Rehabilitating patients with dementia who have had a hip fracture: Part II: Cognitive symptoms that influence care. *Topics in Geriatric Rehabilitation, 23*, 174-182.

Bressmann, T., Martino, R., Bradley, K., Rochon, E. (2007). An action learning experience for speech-language pathology students: On the experience of having dysphagia for a day. *Canadian Journal of Speech-Language Pathology and Audiology, 31(3)*, 127-133.

Kavé, G., Leonard, C., Cupit, J., Rochon, E. (2007). Structurally well-formed narrative production in the face of severe conceptual deterioration: A longitudinal case study of a woman with semantic dementia. *Journal of Neurolinguistics, 20*, 161-177.

Jokel, R., Rochon, E., & Leonard, C. (2006). Treating anomia in semantic dementia: Improvement, maintenance, or both? *Neuropsychological Rehabilitation, 16*, 241-256.

Smits-Bandstra, S. & De Nil, L. F. & Rochon, E. (2006). The transition to increased automaticity during finger sequence learning in adult males who stutter. *Journal of Fluency Disorders, 31(1)*, 22-42.

Rochon, E., Laird, L., Bose, A., Scofield, J. (2005). Mapping Therapy for sentence production impairments in nonfluent aphasia. *Neuropsychological Rehabilitation, 15*, 1-36.

Rochon, E., Kavé, G., Cupit, J., Jokel, R., Winocur, G. (2004). Sentence comprehension in semantic dementia: A longitudinal case study. *Cognitive Neuropsychology, 21*, 317-330.

Rochon, E., Reichman, S. (2004). A modular treatment for sentence processing impairments: Sentence comprehension. *Journal of Speech-Language Pathology and Audiology, 28*, 25-33.

Rochon, E., Reichman, S. (2003). A modular treatment for sentence processing impairments: Sentence production. *Journal of Speech-Language Pathology and Audiology, 27*, 202-210.

Jokel, R., Rochon, E., Leonard, C. (2002) Therapy for anomia in semantic dementia. *Brain and Cognition, 49*, 241-244. short paper.

Rochon, E., Saffran, E.M., Berndt, R.S., Schwartz, M.F. (2000). Quantitative analysis of aphasic sentence production: Further development and new data. *Brain and Language, 72*, 193-218.

Rochon, E., Waters, G.S., Caplan, D. (2000). The relationship between measures of working memory and sentence comprehension in patients with Alzheimer's disease. *Journal of Speech, Language and Hearing Research, 43*, 395-413.

Waters, G.S., Rochon, E., Caplan, D. (1998). Task demands and sentence comprehension in patients with dementia of the Alzheimer's type. *Brain and*

*Language*, 62, 361-397.

Jokel, R., & Rochon, E. (1996). Treatment for an aphasic naming impairment: When phonology met orthography. *Brain and Cognition*, 32, 299-301. short paper

Fink, R.B., Schwartz, M.F., Rochon, E., Myers, J.L., Socolof, G.S., Bluestone, R. (1995). Syntax Stimulation revisited: An analysis of generalization of treatment effects. *American Journal of Speech Language Pathology*, 4, 99-104.

Waters, G.S., Caplan, D., Rochon, E. (1995). Processing capacity and sentence comprehension in patients with Alzheimer's disease. *Cognitive Neuropsychology*, 12, 1-30.

Rochon, E., Waters, G.S., Caplan, D. (1994). Sentence comprehension in patients with Alzheimer's disease. *Brain and Language*, 46, 329-349.

Caplan, D., Rochon, E., Waters, G.S. (1992). Articulatory and phonological determinants of word length effects in span tasks. *Quarterly Journal of Experimental Psychology*, 45A, 177-192.

Waters, G.S., Rochon, E.A., Caplan, D. (1992). The role of high-level speech planning in rehearsal: Evidence from patients with apraxia of speech. *Journal of Memory and Language*, 31, 54-73.

Rochon, E.A., Caplan, D., Waters, G.S. (1990). Short-term memory processes in patients with apraxia of speech: Implications for the nature and structure of the auditory-verbal short-term memory system. *Journal of Neurolinguistics*, 5, 237-264.

Rochon, E.A., & Butler, S.L. (1989). Evaluating communicative competence: A review. (Review of "Evaluating Communicative Competence" A Functional Pragmatic Approach.) *Volta Review*, 91(2), 113-114.

### **Submitted Refereed**

Egan, M., Bérubé, D., Racine, G., Leonard, C., Rochon, E., (submitted). Methods to enhance communication between individuals with Alzheimer's disease and their caregivers; A systematic review. *Journal of Speech, Language and Hearing Research*.

Cupit, J., Rochon, E., Leonard, C., Laird, L. (submitted, under revision). Social validation as a measure of improvement after aphasia treatment : its usefulness and influencing factors. *Journal of Speech, Language and Hearing Research*.

McGilton, K.S., Sorin-Peters, R., Sidani, S., Rochon, E., Boscart, V.M., Fox, M. (submitted). Focus on communication: Improving the odds of successful staff-patient interactions. *Journal of Advanced Nursing*.

### **Invited**

De Nil, L., Rochon, E., Jokel, R. (2008). Adult-onset neurogenic stuttering. In: M.R. McNeil (Ed.), *Clinical management of sensorimotor speech disorders* ( 2<sup>nd</sup> ed., pp. 235-248). New York: Thieme.

DeNil, L., Jokel, R., Rochon, E. (2007). Neurogenic stuttering: A review of etiology, symptomatology and clinical intervention. In: E.G. Conture & R.F. Curlee (Eds.). *Stuttering and related disorders of fluency* (3rd ed., pp. 326-343). New York, Thieme.

Jokel, R., & Rochon, E. (2002). Semantic dementia and Alzheimer's disease: Clinical differences in speech-language pathology. R. Lubinski (Ed.), Special Interest Division 15 Perspectives, American Speech-Language Hearing Association (ASHA).

### **Book**

Berndt, R.S., Wayland, S., Rochon, E., Saffran, E., Schwartz, M. (2000). Quantitative production analysis: A training manual for the analysis of aphasic sentence production. Hove, U.K.: Psychology Press.

### **Proceedings**

Fenwick, K., Massimi, M., Baecker, R., Black S., Tonon, K., Munteanu, C., Rochon, E., Ryan, D. (2009). Cell phone software aiding name recall. Published in proceedings of Computer Human Interaction, April 4-9, Boston, MA.

Cupit, J., Rochon, E., Leonard, C., Laird, L. (2008). How should we measure improvement after aphasia therapy? A look at the use of social validation. *Brain & Cognition*, 67 (Supplement 1), 18.

Cupit, J., Rochon, E., Leonard, C. Laird, L. (2007). Social validation: Examining its sensitivity and the factors that influence raters' judgments. *Brain and Language* 103(1-2), 244-245.

Graham, N.L., & Rochon, E. (2007). Verb production in sentences by patients with nonfluent progressive aphasia. *Brain and Language*, 103(1-2), 69-70.

Jokel, R., Cupit, J., Rochon, E.A., Graham, N.L. (2007). Errorless Re-training in Semantic Dementia Using MossTalk Words. *Brain and Language*, 103(1-2), 205-206.

Rochon, E., Leonard, C., Laird, L., Burianova H., Soros, P., Graham, S., Grady, C. (2007). Investigation of a Phonologically-Based Treatment for Anomia: Behavioral and Neural Changes. *Brain & Cognition*, 199.

Wilson, R., Rochon, E., Mihailidis, A., Leonard, C., Lim, M., Cole, A. (2007). Examining effective communication strategies used by formal caregivers when interacting with Alzheimer's disease residents during an activity of daily living (ADL). *Brain and Language*, 103(1-2), 199-200.

- Rochon, E., Leonard, C., Laird, L., Burianova, H., Soros, P., Graham, S., Grady, C. (2006). Behavioural and neural changes after phonological treatment for anomia., *Brain and Language*, 99, 14-15.
- Jokel, R., Cupit, J., Rochon, E., Leonard, C. (2006). Computer-based intervention for anomia in progressive aphasia. *Brain and Language*, 99, 149-150.
- Soros, P., Burianova, H., Laird, L., Grady, C., Graham, S.J., Leonard, C., Rochon, E. (2006). Reproducibility of phonologic and semantic processing in fMRI. *Neuroimage*, 31 (Supplement 1): S1316.
- Cupit, J., Rochon, E., Smyth, R., Leonard, C. (2006). The influence of lexical items on syntactic production. Proceedings of the Nineteenth annual CUNY Conference on Human Sentence Processing, p.31.
- Wilson, R., Rochon, E., Mihailidis, A. (2005). The Alzheimer patient-formal caregiver dyad: An investigation of optimal verbal and non-verbal components of successful communication. *Geriatrics Today*, 8(3), 113.
- Jokel, R., & Rochon, E. (2005). The semantic-phonological model and progressive aphasia. *Brain and Language*, 95, 38-39.
- Singh, G., Pichora-Fuller, M.K., Rochon, E., Orange, J.B., & Spadafora, P. (2005, Sept). Observational outcome measures to evaluate assistive technology use by people with dementia. Proceedings of Measuring Behavior, 30 August-2 September 2005, pp. 516-517, Wageningen, The Netherlands.
- Leonard, C., Rochon, E., & Laird, L. (2004). The benefits of orthographic cueing to naming deficits in aphasia: A case study. *Brain and Language*, 91, 185-186.
- Cupit, J., Rochon, E., Leonard, C., Laird, L. (2004). A social validation study of naming treatment in aphasia. Poster presented at TENNET XIV, Montreal, June 19-21, 2003. Published in *Brain and Cognition*, 56, 119.
- Jokel, R., Rochon, E., Leonard, C. (2004). Testing predictions of the interactive activation model in recovery from aphasia after treatment. Presented at TENNET XIV, Montreal, June 19-21, 2003. Published in *Brain and Cognition*, 54, 251-253.
- Leskiewicz, M., Renaud, V., Santayana, G., Sequin, M., Leonard, C., Rochon, E. (2004). A structural and discourse analysis of narratives of patients with Alzheimer's disease. Presented at TENNET XIV, Montreal, June 19-21, 2003. Published in *Brain and Cognition*, 56, 122.
- Jokel, R., Rochon, E., Leonard, C. (2003). Changes in error patterns pre- and post-treatment in view of the interactive activation model of lexical retrieval. Poster presented at the Academy of Aphasia meeting, Vienna, Austria, October 12-14, 2003. Published in *Brain and Language*, 87, 44-45.

Rochon, E., Leonard, C., Laird, L. (2002). A treatment for naming deficits using feature analysis. Poster presented at Academy of Aphasia October 20-22, 2002, New York, NY. Published in *Brain and Language*, 83, 34-37.

Jokel, R., Rochon, E., Leonard, C. (2002). Therapy for anomia in semantic dementia. Poster presented at the Rotman Research Institute conference, March 2002, Toronto, Canada. Published in *Brain and Cognition*, 49, 241-244.

Rochon, E., Saffran, E., Zarinpoush, F., Moallem, P. (1999). Semantic integration and memory impairments in patients with Alzheimer's disease. Poster presented at the Cognitive Neuroscience Society, Washington, D.C., April 11-13, 1999. Published in *Journal of Cognitive Neuroscience, Supplement*, p. 50.

Rochon, E., Saffran, E., Berndt, R., Schwartz, M. (1998). Quantitative production analysis: Norming and reliability data. Poster presented at the Academy of Aphasia, Santa Fe, NM., Nov. 1-3, 1998. Published in *Brain and Language*, 65, 10-13.

Saffran, E., Rochon, E., Zarinpoush, F., Moallem, P. (1998). Repetition deafness in patients with Alzheimer's disease. Poster presented at the Academy of Aphasia, Santa Fe, NM., Nov. 1-3, 1998. Published in *Brain and Language*, 65, 107-110.

Reichman-Novak, S., & Rochon, E. (1997). Treatment to improve sentence production: A case study. Poster presented at the Academy of Aphasia, Philadelphia, Oct. 19-21, 1997. Published in *Brain and Language*, 60, 102-105.

Rochon, E. & Saffran, E.M. (1995). A semantic contribution to sentence comprehension impairments in Alzheimer's disease. Poster presented at the Academy of Aphasia, San Diego, CA., Nov. 5-7, 1995. Published in *Brain and Language*, 51, 88-90.

Fink, R.B., Schwartz, M.F., Rochon, E., Myers, J.L., Socolof, G.S., Bluestone, R. & Sobel, P.R. (1994). Picture description with structure modeling (PDSM): A procedure for measuring syntactic generalization. Poster presented at the Academy of Aphasia, Boston, Oct. 23-25, 1994. Published in *Brain and Language*, 47, 423-426.

Rochon, E., Fink, R.B., Schwartz, M.F., Myers, J.L., Sobel, P.R., Bluestone, R., & Socolof, G.S. (1994). Stability of agrammatic production across narrative elicitation tasks. Poster presented at the Academy of Aphasia, Boston, Oct. 23-25, 1994. Published in *Brain and Language*, 47, 420-423.

### **Papers in Preparation**

Graham, N., Rochon, E., Leonard, C. Narrative production in primary progressive aphasia; a structural and propositional analysis.

### **Presentations**

## Peer-Reviewed

Orange, JB., Rochon, E., Purves, B., Small, J., Hopper, T. (2009). Dementia update: Profiles, assessments and interventions symposium. To be presented at: Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA), April 29-May, 2, 2009. London, Ontario, Canada.

Cherney, L., Raymer, S., Kagan, A., Rochon, E. (2008). Aphasia treatment & research: Intervention options and outcomes symposium. To be presented at: Rehabilitation Research: Interdisciplinary, international, interaction, Joint educational conference of the American Congress of Rehabilitation Medicine and American Society of Neurorehabilitation. October 15-19, 2008, Toronto, Canada.

Cupit, J., Rochon, E., Leonard, C., Laird, L. (2008). How should we measure improvement after aphasia therapy? A look at the use of social validation. TENNET Conference, 2007. To be published in *Brain and Cognition*.

Cupit, J., Rochon, E., Leonard, C., Laird, L. (2008). Can Social Validation Measure Conversational Abilities after Aphasia Therapy? Poster presented at Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA), April 17-19, 2008. Alberta, Canada.

Cupit, J.; Rochon, E.; Leonard, C.; Laird, L. (2007). Social validation: Examining its sensitivity and the factors that influence raters' judgments. Presented at the Academy of Aphasia, October 21-23, 2007, Washington, US.

Cupit, J., Rochon, E., Leonard, C., & Laird, L. (2007). Using social validation to measure communicative participation after impairment level therapy. Poster presented at the Living Successfully with Aphasia: Intervention, Evaluation and Evidence conference (Aphasia Institute), Toronto, September 19-20, 2007.

Graham, N.L., & Rochon, E. (2007). Verb production in sentences by patients with nonfluent progressive aphasia. Poster presented at the Academy of Aphasia, October 21-23, 2007, Washington, US.

Jokel, R., Cupit, J., Rochon, E.A., Graham, N.L. (2007). Errorless Re-training in Semantic Dementia Using MossTalk Words. Poster presented at the Academy of Aphasia, October 21-23, 2007, Washington, US.

McGilton, K., Calabrese, S., Flannery, J., Wells, J., Davis, A., Rochon, E., Naglie, G., Jaglal, S. (2007). Rehabilitation of elderly patients with cognitive impairment. Sigma Theta Tau International conference, Vienna, Austria, July 11-14, 2007.

McGilton, K., Calabrese, S., Wells, J., Davis, A., Rochon, E., Naglie, G. (2007). Rehabilitation of persons with dementia: Behavior challenges. Festival of International Conferences on Caregiving, Disability, Aging and Technology, Toronto, ON, June 16-19, 2007.

McGilton, K., Calabrese, S., Wells, J., Davis, A., Rochon, E., Naglie, G. (2007). Rehabilitation of persons with dementia: Cognitive challenges. Festival of International Conferences on Caregiving, Disability, Aging and Technology, Toronto, ON, June 16-19, 2007.

Rochon, E., Leonard, C., Laird, L., Burianova, H., Soros, P., Graham, S., Grady, C. (2006). Investigation of a phonologically-based treatment for anomia: Behavioral and neural changes. Poster presented at the Rotman Research Institute conference: Stroke and Cognition: What's Hot, March 5-7, 2006, Toronto, Canada.

Wilson, R.; Rochon, E.; Mihailidis, A.; Leonard, C.; Lim, M.; Cole, A. (2007). Examining effective communication strategies used by formal caregivers when interacting with Alzheimer's disease residents during an activity of daily living (ADL). Poster presented at the Academy of Aphasia, October 21-23, 2007, Washington, US.

Wilson, R., Rochon, E., Mihailidis, A. (2007). Caregivers communicating with Alzheimer patients: Investigating the use of successful communication strategies. Festival of International Conferences on Caregiving, Disability, Aging and Technology, Toronto, ON, June 16-19, 2007.

Rochon, E., Leonard, C., Laird, L., Burianova, H., Soros, P., Graham, S., Grady, C. (2006). Behavioural and neural changes after phonological treatment for anomia. Presented at the Academy of Aphasia, October 15-17, 2006, Victoria, Canada.

Jokel, R., Cupit, J., Rochon, E., Leonard, C. (2006). Computer-based intervention for anomia in progressive aphasia. Presented at the Academy of Aphasia, October 15-17, 2006, Victoria, Canada.

McGilton, K, Wells, J., Naglie, G., Davis, A., Rochon, E., Calabrese, S., Teare, G. & Boscart, V.M. (2006). Rehabilitation of clients with dementia: behavioral symptoms that interfere with their care. Presented at the Annual Meeting of the Canadian Association on Gerontology, October 26, 2006, Quebec City, Canada.

McGilton, K.S., Wells, J., Naglie, G., Davis, A., Rochon, E., Calabrese, S, Teare, G. & Biscardi, M. (2006). Rehabilitation of clients with dementia: cognitive symptoms that interfere with care. To be presented at the Annual Meeting of the Canadian Association on Gerontology, October 26, 2006, Quebec City, Canada.

Cupit, J., Rochon, E., Smyth, R., Leonard, C. (2006). Does lexical information influence syntactic production? Results of reaction time and sentence type analyses. Poster presented at the Third International Workshop on Language Production, Northwestern University, Chicago II, August 13-15.

Soros, P., Burianova, H., Laird, L., Grady, C., Graham, S.J., Leonard, C., Rochon, E. Reproducibility of phonologic and semantic processing in fMRI. Poster presented at the Organization for Human Brain Mapping Conference, June 11-15, 2006. Florence, Italy.

Wilson, R., Rochon, E., Mihailidis, A. (2006). Communicating with Alzheimer patients: Investigating successful communication strategies. Poster presented at the Cognitive Aging Conference, April 20-23, 2006, Atlanta, GA.

Wilson, R., Boger, J., Mihailidis, A., & Rochon, E. (2006). Determining successful communication strategies during interactions between Alzheimer patients and formal caregivers. Poster session to be presented at Celebrating Innovations in Health Care Expo, April 19-20, 2006, Toronto, Canada.

Cupit, J., Rochon, E., Smyth, R., Leonard, C. The influence of lexical items on syntactic production. Poster presented at the CUNY conference on Human Sentence Processing conference, March 23-25, 2006.

Jokel, R., & Rochon, E. The semantic-phonological model and progressive aphasia (2005). Poster to be presented at the Academy of Aphasia, Oct. 23-25, 2005, Amsterdam, NL.

Singh, G., Pichora-Fuller, K., Rochon, E., Orange, JB & Spadafora, P. (2005). Observational outcome measures to evaluate assistive technology use by people with dementia. Measuring Behaviour 2005, 5<sup>th</sup> International Conference on Methods and Techniques in Behavioural Research, Aug. 30-Sept. 2, 2005, Wegeningen, NL.

Rochon, E., Leonard, C., Laird, L. (2004). Findings from three features based treatments for anomia. Presented at the American Speech and Hearing Association (ASHA) Convention, Nov. 18-20, 2004, Philadelphia, PA.

Jokel, R. & Rochon, E. (2004). Application of the interactive activation model of lexical retrieval to naming impairments in nonfluent progressive aphasia. Presented at the 3rd Australian Conference for Cognitive Neuropsychology and Cognitive Neuropsychiatry (ACCNCN), July 2-3, 2004, Sydney, Australia.

Cupit, J., Rochon, E., Leonard, C., Laird, L. (2004). A social validation study of naming treatment in aphasia. Poster presented at *TENNET XIV, Montreal, June 19-21, 2003*. Published in *Brain and Cognition*, 56, 119.

Bressmann, T., Bradley, K, Martino, R., Rochon, E., Leonard, C., Wiseman-Hakes, C. (2002). Be the patient for a day: Enhancing the learning and personal growth of students in the health care professions through a perspective change experience. Society for Teaching and Learning in Higher Education, Hamilton, June 12-15.

Rochon, E., Laird, L., Scofield, J. (2000). Mapping therapy for sentence production impairments in aphasia. Paper presented at the Tri-joint Congress, Annual meeting of the Canadian Association of Occupational Therapists, Canadian Physiotherapy Association, and Canadian Association of Speech-Language Pathologists and Audiologists. Toronto, Canada May 24-27.

Reichman, S., & Rochon, E. (2000). Treatment to improve sentence comprehension: A case study. Poster presented at the Tri-joint Congress, Annual meeting of the Canadian Association

of Occupational Therapists. Canadian Physiotherapy Association, and Canadian Association of Speech-Language Pathologists and Audiologists. Toronto, Canada, May 24-27, 2000.

Stewart, L., Rochon, E., Winocur, G. (1998). The effects of aging on story recall and retelling. Poster presented at the seventh biennial Cognitive Aging Conference, Atlanta, GA., Apr. 23-26.

Rochon, E., Waters, G., & Caplan, D. (May, 1993). Sentence comprehension and dual-task performance as possible indicators of early DAT. Presented at The Canadian Psychological Association, Montreal, Canada, May 27-29.

Rochon, E., Waters, G., & Caplan, D. (March, 1993). Working memory and sentence comprehension deficits in patients with DAT. Poster presented at The Rotman Research Institute Conference, Toronto, Canada, March 25-26.

Waters, G.S., Caplan, D., Rochon, E., & Waters, G. (October, 1992). Two stages of sentence comprehension and their impairments with Alzheimer's disease. Poster presented at the annual meeting of the Academy of Aphasia. Toronto, Canada, Oct. 25-27.

Waters, G.S., Caplan, D., Rochon, E., & Waters, G. (March 1992). Processing resources and stages of sentence comprehension in patients with Alzheimer's disease. Poster presented at The Rotman Research Institute Conference Toronto, Canada, March 26-27.

Fink, R.B., Schwartz, M.F., Rochon, E., Myers, J.L., Socolof, G.S., Bluestone, R. (1995). Syntax Stimulation revisited: An analysis of generalization of treatment effects. Paper presented at Clinical Aphasiology, Sun River, Oregon, June.

Waters, G.S., Caplan, D., & Rochon, E. (October, 1991). Processing resources and stages of sentence comprehension in patients with dementia of the Alzheimer's type. Poster presented at the annual meeting of the Academy of Aphasia. Rome, Italy, Oct 13-15.

Waters, G.S., & Rochon, E.A. (May, 1990). Language processing in normal aging. Presented at the annual conference of the Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA). Vancouver, Canada, May.

Rochon, E.A., & Waters, G.S., (May, 1990). Short-term memory and language comprehension in early Alzheimer-type dementia. Presented at the annual conference of the Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA). Vancouver, Canada, May.

Rochon, E.A., Caplan, D., Waters, G.S. (January 1989). Short term memory processes in patients with apraxia of speech: Implications for the nature and structure of the auditory-verbal short-term memory system. Poster presented at the seventh European Workshop on Cognitive Neuropsychology. Bressanone, Italy, Jan 22-27.

Rochon, E.A., Caplan, D., Waters, G.S. (May, 1988). Short term memory processes in patients with apraxia of speech: Implications for the nature and structure of the auditory-verbal short-

term memory system. Paper presented at the annual conference of the Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA). Banff, Canada, May.

### **Invited**

fMRI and Aphasia. 18<sup>th</sup> Annual Rotman Research Institute Conference, The Four Seasons Hotel, Toronto, March 26, 2008.

Phonologically-based treatment for anomia: behavioural and neural changes. Rotman Research Institute, Baycrest Centre, Toronto. December 4, 2007.

Syntax and semantics in sentence processing: Evidence from semantic dementia. Centre for Research on Biological Communication Systems, University of Toronto at Mississauga, January 26, 2006.

Findings from a treatment study for anomia in aphasia. Department of Psychology, St. Andrew's University, St. Andrew's, Scotland. June 6, 2005.

Treatment for anomia in aphasia: past, present and future studies. 2005 Communication and Aging Symposium, Centre for Research on Biological Communication Systems, University of Toronto at Mississauga, February 18-19, 2005.

Enhancing communication for the cognitively impaired elderly. Geriatric Education Day: Enhancing education in dementia care, St Joseph's Health Centre, Toronto, Canada, February 8, 2005.

Communicating with the Alzheimer patient. 16<sup>th</sup> Annual Alzheimer Symposium. Making life Better: Environment, communication, change. Metro Toronto Convention Centre, Toronto, Canada, March 27, 2003.

Communication changes and enhancement in dementia. The Ottawa Hospital – Civic Campus, Ottawa, Canada, May 10, 2002 (with J.B. Orange, L. Garcia, B. Dalziel)

Comprehensive approaches to enhance communication for individuals with dementia. The Centre for Excellence in Nursing, Baycrest Centre for Geriatric Care, Toronto, Canada, February 23, 2001. (with J.B. Orange and R. Welland)

Challenges to measuring sentence production abilities in aphasia after treatment. Invited poster presentation in Treatment Efficacy symposium, 25<sup>th</sup> World Congress of the International Association of Logopedics and Phoniatrics (IALP). Montreal, Canada, August 7, 2001.

Sentence production impairments in aphasia. Invited poster presentation in Treatment Efficacy and Outcomes symposium, presented at the Tri-joint Congress, Annual meeting of the Canadian Association of Occupational Therapists, Canadian Physiotherapy Association, and Canadian Association of Speech-Language Pathologists and Audiologists. Toronto, Canada, May 24-27, 2000.

Semantic deficits in sentence comprehension in patients with Alzheimer's disease. Kunin Lunenfeld Applied Research Unit, Baycrest Centre for Geriatric Care, Toronto, Canada, May 27, 1999.

Model-driven approaches to aphasia treatment. Canadian Association of Speech-Language Pathologists and Audiologists, Toronto, Canada, May 8, 1997.

Language comprehension impairments in patients with Alzheimer's disease. Department of Speech Pathology, University of Toronto, Toronto, Canada, April, 1997.

Using psycholinguistic theory to derive new treatments for aphasia. Department of Communication Sciences and Disorders, McGill University, Montreal, Canada, March, 1996.

Language therapy in aphasia. Toronto Neurogenic Communication Disorders Professional Interest Group, Toronto, Canada, February, 1996.

Language comprehension and memory impairments in Alzheimer's disease and aphasia. Toronto Neurogenic Communication Disorders Professional Interest Group, Toronto, Canada, December, 1995.

Language therapy in aphasia. Department of Speech Pathology, University of Toronto, Toronto, Canada, November, 1995.

### **Graduate Teaching**

Lecturer, Temple University, Dept. of Speech and Hearing, mini-course with R. Fink: "New Approaches to Aphasia Therapy"	April, 1995
Aphasia SLP 1533	1997-present
Neurocognitive Communication SLP 1538 (formerly Advanced Topics in Adult Neurogenic Disorders)	1997-present
Individual Reading seminar SLP 4007H	2000-01 2003-04
Higher Cognition PSY HC 5203 (invited lecture)	2002-03

### **Supervision of Postdoctoral Fellows**

Naida Graham, Ph.D.

Peter Soros, MD, Ph.D.

### **Supervision of Student Research**

#### **Doctoral Students (primary supervisor)**

Regina Jokel, Department of Speech-Language Pathology, University Toronto. Thesis topic: Lexical impairments in post stroke aphasia and primary progressive aphasia	2001- 2007
Jennifer Cupit, Department of Speech-Language Pathology, University Toronto. Thesis topic: Lexical access and sentence production in aphasia	2002-present
Rozanne Wilson, Department of Speech-Language Pathology, University of Toronto. Thesis topic: Conversational analysis of Communication between patients with Alzheimer's disease and their Caregivers. Co-supervisor, Alex Mihailidis	2004-present
<b>Doctoral Supervisory Committees</b>	
Arpita Bose, Department of Speech-Language Pathology, University of Toronto. Thesis: Speech motor control deficits in aphasia.	1998-2004
Christiane Kyte, Department of Speech-Language Pathology, University of Toronto. Thesis: The effects of word frequency on phonological recoding.	1998-2003
Joelene Huber Okrainec, Institute of Medical Sciences, University of Toronto. Thesis: Ideomatic language in normally developing children and children with spina bifida and hydrocephalus: Acquisition, comprehension and processing speed.	2000-2003
Sarah Smits-Bandstra, Department of Speech-Language Pathology, University of Toronto. Thesis topic: Motor learning in people who stutter	2001-2006
Riva Sorin Peters, Ontario Institute for Studies in Education (OISE), University of Toronto. Thesis: The development and evaluation of learner-centred training program for spouses of adults with chronic aphasia	2001 (July-Sept.)
Catherine Wiseman-Hakes, Graduate Department of Rehabilitation Sciences, University of Toronto. Thesis topic: Impact of sleep disorders on cognition in brain injured patients.	2006-present
Heather Flowers, Department of Speech-Language Pathology, University of Toronto. Thesis topic: Occurrence of aphasia, dysphagia and motor speech disorders in stroke.	2007-present
Vicky Young, Graduate Department of Rehabilitation Sciences, University of Toronto. Thesis topic: A personal home monitoring and emergency response system:	2006-present

communication and response module

Kimberly Bauerly, Department of Speech-Language Pathology  
University of Toronto. Thesis topic: Explicit sequence learning  
in people who stutter 2008-present

Negar Memarian, Institute of Biomaterials and Biomedical  
Engineering, University of Toronto. Thesis Topic: A New Access  
Pathway for People with Severe Disabilities Based on Infrared  
Thermography and Consideration of Context 2007-present

### **M.Sc Supervisory Committee**

Jennifer Boger, Institute of Biomaterials and Biomedical  
Engineering, University of Toronto. Thesis topic: Design of a  
POMDP controller to guide persons with dementia through  
activities of daily living. 2002-2004

### **Undergraduate Honours Student**

J. Lynne Stewart, Department of Psychology, University of Toronto. 1995-1996  
Honours Thesis: The impact of cognitive requirements on linguistic  
abilities in young and aged populations.  
(co-supervised with Gordon Winocur)

### **External/Internal Examiner: Ph. D. and Masters Theses**

Examiner (external) Ph.D. defense 2007  
A. Alasserri: Influence of emotionality on pragmatic features in  
discourse produced by Arabic-speaking adults with aphasia.  
Department of Communication Sciences and Disorders, McGill  
University.

Examiner (external) Ph.D. defense 2005  
C.A. Fisher: Language rehabilitation in stroke patients with  
aphasia. Ph.D. thesis, Department of Psychology, Monash  
University, Melbourne, Australia.

Examiner, Transfer oral examination 2004  
Ms. Pearl Behl, Institute of Medical Science  
University of Toronto

Examiner (internal) Ph.D. defense, 2003  
Ms. Janis Oram, Speech-Language Pathology  
University of Toronto

Examiner (external) Ph.D. defense K.A. Russell: The utilisation of procedural learning in Alzheimer's disease. Ph.D. thesis, Department of Psychology, University of Auckland, New Zealand.	2002
Examiner (external) M.Sc. thesis defense committee Ms. Charleen Ricketts. Institute of Medical Sciences, University of Toronto	1998
<b><u>University Service</u></b>	
<b>Faculty of Medicine Committees</b>	
Member, Dean's Search Committee	2000-2001
Elected member (Clinical Sciences), Faculty Council	2000-2002
	1998-1999
Participant, Strategic Planning Retreat, Faculty of Medicine	1999-2000
<b>Departmental Committees</b>	
Member, Search Committee 2005	2004-
Member, Tenure Committee	2004-2005
Member, Reading Committee for Tenure Review, Department of Physical Therapy, U of T	2004-2005
Member, Curriculum Committee	2004-2005
Member, Search Committee 2004	2003-
Member, Search Committee 2002	2001-
Member, Curriculum Committee	2000-2003
Participant, High School Mentorship Program	2000-2002
Member, Admissions Committee	2000-present
Member, Annual Report Committee	2000-2001
Member, Ad hoc Committee on Comprehensive Examinations	2000-2001
Unit Leader, Curriculum renewal (Unit 6)	1999-present
Faculty representative, Student – Faculty Liaison Committee	1999-present
Member, Planning Committee, McGeachy Visiting Professorship	1999-2000
Member, Ad hoc Strategic Planning Committee	1999-2000
Departmental representative, Executive Committee, Collaborative Program in Aging	1998-present
Member, Alexander Lecture Committee	1998-present
Co-Chair, Research Committee	1998-1999
Faculty representative, Alumni Committee	1998-1999

Member, Comprehensives Committee	1997-1998
Member, Examinations Committee	1997-1998

### **External Academic/Professional Service**

Co-founder, Ontario Aphasia Interest Group	2004- present
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Team Leader, Communication Research Team, Toronto Rehabilitation Institute	2004-present
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Member, Research Advisory Committee, Toronto Rehabilitation Institute	2003-
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Member, Social and Psychological Peer Review Panel, Alzheimer's Society of Canada	2001-2003
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Member, Research Coalition, Ontario's Strategy for Alzheimer's Disease and Related Dementias	2001-present
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Participant, Planning Days for Research, Toronto Rehabilitation Institute	2000-2001
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Member, Program Committee, 25 <sup>th</sup> World Congress of the International Association of Logopedics and Phoniatrics (IALP)/ Canadian Association of Speech-Language Pathologists and Audiologists (CASLPA)	2000-2001
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Invited participant, CASLPA Forum for Treatment Outcomes	May, 2000
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Invited symposium participant. Why you should consider a Ph.D. CASLPA symposium, May 8, 1999, Edmonton, ALTA.	May, 1999
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Consultant, Memory Disorders Clinic, University Health Network	1998-present
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### **Granting Agency External Reviews**

Canadian Institutes of Health Research (CIHR)  
Social Sciences and Humanities Research Council (SSHRC)  
The Heart and Stroke Foundation of Canada  
The Alzheimer Society of Canada

### **Journal Reviews**

Applied Psycholinguistics; Brain and Language; Journal of Head Trauma Rehabilitation;  
Journal of Memory and Language; Journal of Speech, Language and Hearing Research;  
Journal of Speech-Language Pathology and Audiology; Language and Cognitive Processes,

Neuropsychologia, Neuropsychological Rehabilitation, International Journal of Language and Communication Disorders

**Career Interruptions**

Maternity leave

Nov. 1996 - June 1997

Maternity leave

Aug. 1999 - Feb. 2000

Department and laboratory move to new location

Summer 2002