

WENDY J. LOKEN THORNTON, Ph.D., R.Psych.

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Appointments

2004- Current:	Assistant Professor , Simon Fraser University, Department of Psychology, Burnaby BC
2004-Current	Associate Member , Simon Fraser University, Department of Gerontology
2001-2004	Assistant Professor (Limited Term) : Simon Fraser University Department of Psychology
1997-2001	Senior Psychologist , Geriatric Division, Riverview Hospital, Port Coquitlam, B.C.
1997-2001	Adjunct Professor , Department of Psychology, Simon Fraser University

Education & Licensure

1997-Present	Registered Psychologist , British Columbia: (#01308)
1995-1997	Postdoctoral Fellow , Cleveland Clinic Foundation, <i>Specialty: Neuropsychology</i>
1995	Doctor of Philosophy , The University of Memphis, TN (formerly Memphis State University), <i>Degree: Clinical Psychology</i> (APA approved), <i>Specialty: Neuropsychology</i>
1994-1995	Clinical Psychology Internship , University of AZ Health Sciences Center, Tucson, AZ (APA approved), <i>Specialty: Neuropsychology</i>
1992	Master of Science in Psychology , Memphis State University
1986	Bachelor of Arts with Distinction in Psychology , St. Olaf College, Northfield, MN

Research Funding

2006:	\$2,100,000 : Canadian Longitudinal Study of Aging: Developmental Activities Phase 2. (July 2006-June 2008). Canadian Institute of Health Research, <i>Role</i> : Co-Investigator, <i>Type</i> : Development Grant
2005:	\$9,970 : Everyday Problem Solving in Aging: Phase 2 Protocol Development: Discovery Park SSHRC 4A Grant Program, <i>Role</i> : Principal Investigator. <i>Type</i> : Operating Grant
2005:	\$3,925 : Quality of Life and Cognitive Function after Stereotactic Radiation Treatment for Acoustic Neuroma, Hershey & Yvette Porte Neuro-oncology Endowment Fund, <i>Role</i> : Co-Investigator, <i>Type</i> : Operating Grant
2004:	\$1,744,000 : Canadian Longitudinal Study of Aging: Developmental Activities Phase 1. (January, 2004-December, 2006). Canadian Institute of Health Research, <i>Role</i> : Co-Investigator, <i>Type</i> : Development Grant

- 2004: **\$10,000:** Everyday Problem Solving in Aging. President's Research Grant, Simon Fraser University, *Role:* Principal Investigator, *Type:* Operating Grant
- 2004 **\$7,000:** Neurocognitive and Psychosocial Outcome following Renal Transplantation. Unrestricted Educational Grant-Ortho-Biotech, *Role:* Co-Principal Investigator (with Dr. R. Jean. Shapiro), *Type:* Operating Grant
- 2004: **\$9,173:** Cognitive functioning and psychological adjustment in Chinese-Canadian patients with Chronic Kidney Disease. SFU/SSHRC Small Research Grant, *Role:* Co-Principal Investigator (with Dr. Arlene Young), *Type:* Operating Grant
- 2003: **\$10,000:** Cognitive functioning in patients with chronic kidney disease. UBC/Providence Health Seed Grant program. *Role:* Co-Principal Investigator (with Dr. Amanda Hill), *Type:* Operating Grant
- 2002: **\$9,894:** Factors associated with cognitive impairment and treatment adherence in end stage renal disease. SFU/IHRE/CIHR Seed Grant program. *Role:* Principal Investigator, *Type:* Operating Grant
- 2002: **\$4,714:** Treatment adherence in chronic illness with co-morbid dementia. SFU/SSHRC Small Research Grant. *Role:* Principal Investigator, *Type:* Operating Grant

Training Grants:

- 2007-2009: **\$45,000:** Michael Smith Foundation for Health Research Senior Graduate Studentship: *Role:* Primary Research Supervisor, *Type:* Training Grant presented to Shannon Gelb
- 2007-2009: **\$38,000:** Michael Smith Foundation for Health Research Junior Traineeship: *Role:* Primary Research Supervisor, *Type:* Training Grant presented to Theone Paterson
- 2007-2009: **\$40,000:** Social Sciences and Humanities Research Council Junior Traineeship: *Role:* Primary Research Supervisor, *Type:* Training Grant presented to Theone Paterson
- 2005-2007: **\$45,000:** Michael Smith Foundation for Health Research Junior Traineeship: *Role:* Primary Research Supervisor, *Type:* Training Grant presented to Shannon Lund
- 2004-2006: **\$19,500:** Michael Smith/UBC Training Grant in Transplantation Research: *Role:* Primary Research Supervisor, *Type:* Training Grant presented to Shannon Lund

Publications: (NB: publications under *Thornton*, and *Loken*; student contributors are underlined)

1. Gelb, S., Shapiro, R.J., Hill, A., & **Thornton**, W.J.L. (in press). Cognitive outcome following kidney transplantation. *Nephrology, Dialysis, Transplantation*.
2. **Thornton**, W.J.L., Deria, S., Gelb, S., Shapiro, R.J. & Hill, A. (2007). Neuropsychological mediators of the links between Age, Chronic Illness, and Everyday Problem Solving. *Psychology and Aging*, 22(3) 470-481.

3. **Thornton**, W.J.L., Shapiro, R.J. Deria, S., Gelb, S. & Hill, A. (2007). Differential effects of age on verbal memory and executive functioning in chronic kidney disease. Journal of the International Neuropsychological Society, 13, 344-353.
4. **Thornton**, W.J.L. & Raz, N. (2006). Aging and the role of working memory resources in the visuospatial attention. Aging, Neuropsychology, and Cognition, 13: 36-61.
5. **Thornton**, W.J.L. & Dumke, H. (2005). Everyday problem solving and decision making in aging: A meta-analytic review. Psychology and Aging. 20(1), 85-99.
6. **Thornton**, W.J.L. (2003). Uncovering mild delirium in an inpatient geriatric setting: A cautionary tale. The Canadian Neuropsychologist, November, 8-11.
7. **Thornton**, W.J., Naugle, R.I., & Macken, M.P. (1999). Differential Memory Performance in the Presence of Bilateral Hippocampal Disease. Division 40 Newsletter, American Psychological Association.
8. Chelune, G.J., & **Loken**, W.J. (1999). Neuropsychological outcome following surgery for mesial temporal sclerosis. In P. Kotagal & H.O. Lüders (Eds.) The Epilepsies: Etiology and Prevention. New York: Raven Press.
9. **Loken**, W.J., & Acuna, G. (1995). The Adolescent Transplant Patient: Psychosocial Considerations. In R.W. Emery and L.W. Miller (Eds.) Handbook of Cardiac Transplantation. Philadelphia, Hanley & Belfus, Inc.
10. Raz, N., Gunning F.M., Head, D., Dupuis, J.H., McQuain, J., Briggs, S.D., **Loken**, W.J., Thornton, A.E., & Acker, J.D. (1997). Selective aging of the human cerebral cortex observed *in vivo*: Differential vulnerability of the prefrontal gray matter. Cerebral Cortex, 7, 268-282.
11. **Loken**, W.J., Thornton, A.E., Otto, R.L. & Long, C.J. (1995). Sustained attention following severe closed head injury. Neuropsychology, 9, 592-598.
12. Raz, N., Torres, I.J., Briggs, S.D., Spencer, W.D., Thornton, A.E., **Loken**, W.J., Gunning, F.M., McQuain, J.D., Driesen, N.R., & Acker, J.D. (1995). Selective neuroanatomical abnormalities in Down Syndrome and their cognitive correlates: Evidence from MRI morphometry. Neurology, 45, 356-366.
13. **Loken**, W.J. (1991). Childhood head trauma: Emotional and intellectual consequences, Journal of Head Injury, II(2), 6-11.

Presentations and Published Abstracts:

1. Gelb, S., Thornton, W.J.L., Shapiro, R.J., & Dumke, H. (2007). Kidney transplantation: Neuropsychological abilities as a mediator of the relationship between health status and everyday problems solving. Poster presentation at the International Neuropsychological Society Mid-Year Meeting, July, Bilbao, Spain.
2. **Thornton**, W.J.L. & Deria S. (2006). The impact of hypertension on Everyday Problem Solving in older adults. Poster presented to the Cognitive Aging Conference, Atlanta, GA.

3. Deria, S., Thornton, W.J.L., Shapiro, R.J. & Hill, A. (2006). Executive Functioning Impairments in Elderly Patients with Chronic Kidney Disease: Evidence from the Dementia Rating Scale-2. Poster presented at the 34th Annual Meeting of the International Neuropsychological Society, Boston, MA, Journal of the International Neuropsychological Society, [Abs.]
4. Gelb, S. R., Thornton, W.J.L., Shapiro, R.J., & Hill, A. (2006). Memory Performance after Kidney Transplantation. Poster presented at the International Neuropsychological Society 34th Annual Meeting, February, Boston, MA. Journal of the International Neuropsychological Society, ?, [Abs.]
5. **Thornton, W.J.L., Shapiro, R.J., Deria, S., Lund, S.R., & Hill, A. (2005).** Neuropsychological evidence for vascular cognitive impairment in chronic kidney disease. Poster presented to the 2nd Annual Congress of the International Society for Vascular, Cognitive, and Behavioral Disorders. Florence, Italy. Journal of the Neurological Sciences, [Abs.]
6. Deria, S., Lund, S.R. Shapiro, R.J., Hill, A. & Thornton, W.J.L. (2004). Neuropsychological Functioning in Patients with Chronic Kidney Disease. Poster presented to the National Academy of Neuropsychology Annual Meeting, November. Archives of Clinical Neuropsychology, 19 (7): 918 [Abs.]
7. Ho, G.H.Y., Deria, S., Shapiro, R.J., Hill, A., & Thornton, W.J.L (2004). Factors Associated with Treatment Adherence in Middle-aged and Elderly Renal Patients. Poster presented to the Canadian Association of Gerontology Annual Meeting, October.
8. Deria, S., Lund, S.R., Shapiro, R.J. Hill, A. & Thornton, W.J.L. (2004). Depression and Anxiety in Chronic Kidney Disease: Sociocultural and Physiological Correlates. Poster presented at the Canadian Psychological Association 65th Annual Convention, June, St. John's, NF.
9. **Thornton, W.J.L., Shapiro, R.J., Hill, A., & Deria, S. (2003).** Vascular cognitive impairment in elderly pre-dialysis patients. Poster presented at the Gerontological Society of America's 56th Annual Scientific Meeting, November, San Diego, CA. Gerontologist, 43, 136 [Abs.]
10. **Thornton, W.J.L. & Dumke, H. (2003).** A meta-analytic review of everyday problem solving quality in aging. Poster presented at the Gerontological Society of America's 56th Annual Scientific Meeting, November, San Diego, CA. Gerontologist, 43, 58 [Abs.]
11. Pentland, T, Shapiro, R.J. **Thornton, W.J.L;** Hill, A. (2003). Memory problems in pre-dialysis patients. Poster presented at the CANNT National Symposium, October, Vancouver, BC.
12. Dumke, H, Thornton, W.J.L., & Roy, M. (2003). Everyday problem solving and decision making in aging: A meta-analytic review. Poster presented at the 31st Annual Meeting of the International Neuropsychological Society, Honolulu, HI, Journal of the International Neuropsychological Society, 9, [Abs.]
13. **Loken, W.J., Butler, P., McGavrin, C., & Raz, N. (1997, February).** Working memory as a mediator of spatial cue utilization: Evidence from normal aging. Paper presented at the 25th Annual International Neuropsychological Society, Orlando, FL. Journal of the International Neuropsychological Society, 3, [Abs.]

14. Thornton, A.E., **Loken**, W.J., Geller, E.B., & Chelune, G.J. (1997). Memory after frontal lobe resection in epilepsy patients: Predictive effects of extent and site of resection. Epilepsia, 38 (Suppl. 8) S165 [Abs.]
15. Chelune, G.J., Geller, E., Naugle, R.I., **Loken**, W., & Thornton, A. (1996). Changes in language ability following temporal versus mesial and lateral frontal epilepsy surgery. Epilepsia, 37 (Suppl. 5), S136 [Abs.]
16. **Loken**, W.J., Chelune, G.J., & Macken, M. (1996, October). Mnestic performance following bilateral hippocampal encephalitis. Poster presented at the 16th Annual Conference of the National Academy of Neuropsychology, New Orleans, LA. Archives of Clinical Neuropsychology, 12(5) [Abs.]
17. **Loken**, W.J., Butler, P., McGavrin, C., & Raz, N. (1996, February). Working memory as a mediator of visuospatial filtering: Evidence from normal aging. Paper presented at the 24th Conference of the International Neuropsychological Society, Chicago, IL Journal of the International Neuropsychological Society, 2, [Abs.]
18. Raz, N., Gunning, F., Head, D., Briggs, S., Dupuis, J., McQuain, J., **Loken**, W., Thornton, A., & Acker, J (1995). In search of the neuroanatomical substrates of memory and executive abilities: Aging as a model system. Poster presented at the 25th Annual Meeting of the Society for Neuroscience, San Diego, California. Society for Neuroscience Abstracts, 21, 195.4 [Abs.]
19. Raz, N., Briggs, S. D., Gunning, F. G., Head, D. P., McQuain, J., **Loken** W. J., Thornton, A. E., & Acker, J. D. (1994). Differential aging of cerebral cortex observed *in vivo*: selective vulnerability of the prefrontal gray matter. Presented at the Annual Meeting of the Society for Neuroscience, Miami, FL. Society for Neuroscience Abstracts, 20, 165.7. [Abs.]
20. Raz, N., Spencer, W., Briggs, S., Thornton, A., **Loken**, W., & Acker, J. (1994, March). Neuroanatomy for facts and context: Preliminary Evidence from the aging brain. Presented at the Annual Meeting of the Society for Neuroscience, Miami, FL. Society for Neuroscience Abstracts, 20, 165.9. [Abs.]
21. Raz, N., Torres, I., Briggs, S., Spencer, W., Thornton, A., **Loken**, W., Driesen, N., White, K., & Acker, J. (1993, November). In vivo neuroanatomy of Down syndrome. Presented at the Annual Meeting of Society for Neuroscience, Washington, D.C. Society for Neuroscience Abstracts, 19 [Abs.]
22. **Loken**, W.J., Thornton, A.E., Otto, R.L. & Long, C.J. (1993, October). Sustained attention following severe closed head injury. Poster presented at the 13th Annual Conference of the National Academy of Neuropsychology, Phoenix, AZ. Archives of Clinical Neuropsychology, 9(2) [Abs.]
23. **Loken**, W.J., Thornton, A.E., & Long, C.J. (1992, October). The relationship between sustained attention and task complexity in nonhospitalized multiple sclerosis patients. Poster presented at the 12th Annual Conference of the National Academy of Neuropsychology, Pittsburgh, PA. Archives of Clinical Neuropsychology, 8(3) [Abs.]

24. **Loken**, W.J., Thornton, A.E., & Long, C.J. (1991, October). Factors associated with poor outcome in CPB surgery patients. Poster presented at the 11th Annual Conference of the National Academy of Neuropsychology, Dallas, TX. Archives of Clinical Neuropsychology, 7(2) [Abs.]
25. Thornton, A.E., **Loken**, W.J., & Long, C.J. (1991, October). The relationship between preoperative and postoperative neuropsychological performance in cardiopulmonary bypass surgery patients. Poster presented at the 11th Annual Conference of the National Academy of Neuropsychology, Dallas, TX. Archives of Clinical Neuropsychology, 7(2) [Abs.]
26. Thornton, A.E., **Loken**, W.J., & Long, C.J. (1990, October). Neuropsychological impairment and factors predicting neuropsychological performance in cardiopulmonary bypass surgery. Poster presented at the 10th Annual Conference of the National Academy of Neuropsychology, Reno, NV. Archives of Clinical Neuropsychology, 6(3) [Abs.]

Invited Addresses/Symposia:

1. Thornton, W.J.L. (2007). Cognitive Impairment in Chronic Kidney Disease: Vancouver General Hospital Neuropsychology Rounds, Vancouver, B.C.
2. Thornton, W.J.L. (2006). Cognitive impairment in Chronic Kidney Disease. BC Transplant Society Provincial Renal Conference, B.C. Children's Hospital, Vancouver, B.C.
3. Thornton, W.J.L. (2006). Cognitive impairment in Chronic Kidney Disease. Psychiatry Grand Rounds, Royal Columbian Hospital, New Westminster, B.C.
4. Thornton, W.J.L. (2005). Cognitive impairment in Chronic Kidney Disease. Renal Clinic, Vancouver General Hospital, Vancouver, B.C.
5. Thornton, W.J.L. (2005). The Mature Mind: Understanding and Improving Memory in Older Age. Oakridge Senior Centre, Vancouver, B.C.
6. Thornton, W.J.L. (2005). Diagnostic decision making in the neuropsychological assessment of older adults. Grand Rounds Presentation: SFU Clinical Psychology Centre.
7. Thornton, W.J.L. & Lund, S. (2004). Understanding memory problem in renal disease. Presentation to the Solid Organ Transplant Team, Vancouver General Hospital, Vancouver, B.C.
8. Thornton, W.J.L. (2004). Cognitive function in patients with Chronic Kidney Disease. Peritoneal Dialysis Day, St. Paul's Hospital, Vancouver, B.C.
9. Thornton, W.J.L. (2003). Aging and Memory: What does the latest research have to say? West Vancouver United Church, West Vancouver, B.C.
10. Thornton, W.J.L. (2003). Cognitive and affective disturbance in patients with chronic kidney disease. UBC Division of Nephrology Grand Rounds, Vancouver, B.C.
11. Thornton, W.J.L. (2003). Cognitive impairment in Chronic Kidney Disease. UBC Division of Geriatric Medicine Grand Rounds, Vancouver, B.C.

12. Thornton, W. (2000). Delirium Assessment and Management. Geriatric Psychiatry Conference Port Coquitlam, B.C.
13. Thornton, W. (1999). Determining the Rate and Extent of Cognitive Recovery in Elderly Patients Undergoing ECT. Academic Grand Rounds, Riverview Hospital, B.C.
14. Thornton, W. (1999). The Effects of ECT on Cognition. (1999). Academic Grand Rounds, Riverview Hospital, B.C.
15. Thornton, W. (1998). Depression in the Elderly (1998, November). 7th Annual Geriatric Day Conference, Riverview Hospital, B.C.
16. Loken, W.J. (1996). Biological basis of selective attention. Grand Rounds, Department of Psychiatry and Psychology, Cleveland Clinic Foundation, Cleveland, OH.
17. Loken, W.J. (1996). Working memory and attentional performance in aging. Invited Lecture, Cleveland Neuropsychological Society, Cleveland, OH

Service to Academic Community

- 2007: External Grant Reviewer: City University of New York
- 2004-Present MSFHR BC Network on Aging Research (BCNAR): Member
- 2004-Present: Abstract Reviewer: CPA Section on Adult Development & Aging
- 2003-Present: Canadian Longitudinal Study on Aging: Psychology Working Group
- 2003-Present: Ad Hoc Reviewer: Journal of Clinical & Experimental Neuropsychology;
- 2003-Present: Ad Hoc Reviewer: The Clinical Neuropsychologist
- 2003-Present: Research Review Committee: Lion's Gate Healthcare Research Foundation
- 1999-Present: External Grant Reviewer: North American Alzheimer's Association
- 2004-2006: Canadian Psychological Association: Professional Affairs Committee Member
- 2000-2002: External Grant Reviewer: Alzheimer Society of BC
- 1998-2000: Research Advisory Council: Riverview Hospital, Port Coquitlam BC

Community at Large

- 2003-2004: Past Chair, Simon Fraser University Childcare Society.
- 2000-2003: Chair, Simon Fraser University Childcare Society.
- 1999-2000: Vice Chair, SFU Childcare Society

Professional Memberships

- Member: Canadian Psychological Association
- International Neuropsychological Society
- National Academy of Neuropsychology
- Gerontological Society of America