

## CURRICULUM VITAE

**Beverly Christine Butler, PhD.**

**Psychologist**

NSBEP Registration #R0592

### CLINICAL ADDRESS

Genest Psychological Services Inc.  
5739 Inglis Street  
Halifax, NS B3H 1K5

Tel: (902) 492-2546

E-mail: bev.butler@genestpsychology.com

### RESEARCH ADDRESS

Dalhousie Department of Psychiatry Research  
Room 3073, 3<sup>rd</sup> floor  
Abbie J Lane Building  
5909 Veterans Memorial Lane  
Halifax, NS B3H 2E2

Tel: (902) 473-6472

E-mail: DrBevButler@gmail.com

### CLINICAL EXPERIENCE

- Jan. 2007-Present: Clinical Neuropsychologist Genest Psychological Services Inc.  
Clinical practice engaging in neuropsychological assessment and treatment of adults following stroke, traumatic brain injury, and other neurological or medical conditions.
- 2005 – 2006: Psychology Technician (Part-time) QEII Health Sciences Centre  
Administered neuropsychological assessments to inpatient acquired brain injury survivors (traumatic brain injury, stroke, and brain tumor cases).
- 2004 – 2005: Clinical Psychology Ph.D. Internship rotations QEII Health Sciences Centre
- 1) Neuropsychology: Neuropsychological and psychological assessment and treatment of inpatient and outpatient acquired brain injury survivors (stroke and traumatic brain injury).
  - 2) Neuropsychology: Pre-surgical neuropsychological assessments and amygdala testing of epilepsy patients, post-surgical epilepsy and brain tumor outcome assessments, and neuropsychological assessment of suspected or diagnosed neurodegenerative disorders (e.g., Multiple Sclerosis, Alzheimer's disease, Vascular Cognitive Impairment).
  - 3) Health Psychology: Psychological assessment and treatment of inpatients and outpatients with chronic pain, diabetes, or gastrointestinal problems. Co-leader of groups for chronic pain and diabetes coping.
- 2003: Clinical Psychology Ph.D. Practicum placement Nova Scotia Hospital  
Outpatient Mental Health: Initial mental health assessments, individual therapy, and group therapy (Depression & Cognitive-Behavioral Therapy training).
- 2002: Clinical Psychology Ph.D. Practicum placements QEII Health Sciences Centre
- 1) Health Psychology: Psychological assessment and treatment of patients with cardiovascular disease and heart transplant candidates.
  - 2) Neuropsychology: Neuropsychological and psychological assessment and treatment of individuals with acquired brain injury
- 2001: Clinical Psychology Ph.D. Practicum placement QEII Health Sciences Centre  
Neuropsychology: Neuropsychological assessment of stroke survivors.

**ACADEMIC AND RESEARCH APPOINTMENTS**

2008-2009:	Post-doctoral Fellow Dalhousie Department of Psychiatry, QEII Health Sciences Centre, Halifax
Jan – June 2008:	Assistant Professor (term faculty appointment, 40%) Department of Psychiatry, Faculty of Medicine, Dalhousie University, Halifax
2005-2008:	Research Assistant/Research Coordinator (30%) Department of Psychiatry, QEII Health Sciences Centre, Halifax
2006-2007:	Post-doctoral Fellow (40%) Dalhousie Department of Psychiatry, QEII Health Sciences Centre, Halifax
2001-2002:	Teaching Assistant (Research Methods) Department of Psychology, Dalhousie University, Halifax
2000-2001:	Teaching Assistant (Advanced Research Methods) Department of Psychology, Dalhousie University, Halifax
1999-2000:	Teaching Assistant (Cognitive Psychology) Department of Psychology, Dalhousie University, Halifax
1998-1999:	Research Assistant Department of Psychology, QEII Health Sciences Centre, Halifax

**EDUCATION**

PhD.	Clinical Psychology (Concentration in Neuropsychology) Dalhousie University, Halifax, NS Dissertation Supervisor: Gail Eskes, PhD	10/2006
BSc.	Neuroscience (First Class Honours) Dalhousie University, Halifax, N.S.	05/1999
BSc.	General Science Acadia University, Wolfville, N.S.	05/1989

**AWARDS AND FELLOWSHIPS**

May 2006:	Atlantic Rehabilitation Research Association Award 4 <sup>th</sup> Annual Meeting at the Crossroads: Graduate Research in Health
March 2004:	Best Platform Presentation: Graduate Student 13 <sup>th</sup> Atlantic Rehabilitation research Association Symposium
2001-2002:	Izaak Walton Killam Memorial Scholarship Dalhousie University, Department of Psychology
2000-2001:	Izaak Walton Killam Memorial Scholarship Dalhousie University, Department of Psychology
1999-2000:	Izaak Walton Killam Memorial Scholarship Dalhousie University, Department of Psychology
Oct. 1999:	D.O. Hebb Post Graduate Prize Dalhousie University, Department of Psychology
May 1999:	University Medal in Neuroscience Dalhousie University, Department of Psychology/Neuroscience

## PROFESSIONAL SOCIETIES

2008 – present: Canadian Psychological Association (CPA)

2003 - present: Association of Psychologists of Nova Scotia (APNS)

2002 - present: International Neuropsychological Society (INS)

## RESEARCH ACTIVITIES

### 1. Recent Research Projects

Post-doctoral Fellowship (2007-2008)

Untitled: This research project is a clinical trial of the effectiveness of an erythropoiesis stimulating protein to enhance cognition after stroke. The project has progressed through the background literature review and into the design phase with collaboration from research and healthcare professionals in Psychiatry, Pharmacology, Neurology and Nephrology. Applications for funding, ethical approval and Health Canada Clinical Trial approval are being prepared.

Supervisor – George Robertson, Ph.D.

Ph.D. Thesis

Effect of arm movements on attention after right hemisphere stroke: This research investigates the effects of active and passive limb movements, compared to a baseline no movement condition, on covert visual orienting in healthy adults and in right-hemisphere stroke patients (with and without neglect). The comparison of right- and left-sided limb movements is used to assess whether attentional effects are related to the side of the limb movement and indicate an effect on the disengage function of orienting or instead reflect a general increase in arousal/sustained attention. In addition, differences in movement effects between the control subjects and the stroke subjects and within the stroke group, when compared to lesion location and neuropsychological deficits allow inferences to be made regarding the underlying mechanism(s) and localization of the premotor effect on attention. The ultimate goal of this research is to increase our understanding of attention-motor interactions, which may make it possible to design new rehabilitation techniques, based on theoretical and empirical observations, which improve the quality of life of stroke survivors with neglect.

Supervisor – Gail Eskes, Ph.D.

### 2. Research Grants

2008-2009:	Dalhousie Psychiatry Research Grant 'Development of the Dalhousie Computerized Attention Battery (CanTAB)'	(\$5,937)
2004-2006:	1) Dalhousie Psychiatry Research Grant 'Effects of arm movements on attention after right hemisphere stroke'	(\$5,000)
	2) Capital Health Research Fund – Grant-in-Aid 'Effects of arm movements on attention after right hemisphere stroke'	(\$1,700)
2003-2004:	Heart and Stroke Foundation of Canada Doctoral Research Award – Renewal	(\$20,000)
2002-2003:	Heart and Stroke Foundation of Canada Doctoral Research Award	(\$19,100)
2002-2004:	Natural Science and Engineering Research Council of Canada (NSERC) PGS-B Postgraduate Scholarship	(declined)
1999-2001:	Natural Science and Engineering Research Council of Canada (NSERC) PGS-A Postgraduate Scholarship	(\$17,300/yr)

## PUBLICATIONS

- Butler, B.C., Lawrence, M., Eskes, G.A. & Klein, R. (submitted) Visual search patterns in neglect: Comparison of peripersonal and extrapersonal space. *Neuropsychologia*.
- Butler, B.C. & Klein, R. (submitted) Inattention blindness for ignored words: Comparison of explicit and implicit memory. *Consciousness and Cognition*.
- Eskes, G.A and Butler, B. (2006) Using limb movements to improve spatial neglect: The role of functional electrical stimulation. *Restorative Neurology and Neuroscience*, 24(4-6):385-398.
- Butler, B.C. & Eskes, G.A. (2004) Gradients of detection in neglect: Comparison of peripersonal and extrapersonal space. *Neuropsychologia*, 42(3): 346-358.
- Eskes, G.A., Butler, B., McDonald, A., Harrison, E.R., and Phillips, S.J. (2003) Limb activation effects in hemi-spatial neglect. *Archives of Physical Medicine and Rehabilitation*, 84: 323-328
- Gail A. Eskes and Beverly C. Butler. (2001) Rehabilitation of Neglect. *Geriatrics and Aging*, 4(9): 42-45.

## ABSTRACTS AND PAPERS PRESENTED

- Butler, B.C. and Eskes, G.A. Effect of left limb movements on leftward orienting of attention after right hemisphere stroke. *Brain & Cognition*.2006. 62(1):84-87.  
**Poster** – Festival of International Conferences on Caregiving, Disability, Aging, and Technology (FICCDAT), Toronto, Ontario, June 2007  
**Poster** – 35<sup>th</sup> Annual Meeting of the International Neuropsychological Society , Portland, Oregon, February 2007  
**Poster** – The 4<sup>th</sup> Annual Atlantic Canada Stroke Conference, Halifax, NS, Sept 2006  
**Presentation** – 4<sup>th</sup> Annual Meeting at the Crossroads: Graduate Research in Health Conference, Halifax, Nova Scotia, May 2006  
**Poster** – The Rotman Research Institute 15<sup>th</sup> Annual Conference, Toronto, Ontario, March 2005
- Butler, B. and Schmidt, M. Checking the checklist: Reliability of brain lesion analysis using a novel checklist.  
**Poster** – Psychology and Neuroscience 30<sup>th</sup> Annual In-House Convention, Dalhousie University, Halifax, Nova Scotia, April 2004
- Butler, B.C and Klein, R. Inattention blindness for ignored words: Comparison of explicit and implicit memory tasks.  
**Presentation** – Psychology and Neuroscience 30<sup>th</sup> Annual In-House Convention, Dalhousie University, Halifax, Nova Scotia, April 2004
- Butler, B., Harrison, E., McDonald, A., Eskes, G. (2002). Gradient of detection in neglect: Comparing peripersonal and extrapersonal space. *Journal of the International Neuropsychological Society*, 8(2): 317.  
**Presentation** – 30<sup>th</sup> Annual Meeting of the International Neuropsychological Society , Toronto, Ontario, February 2002  
**Poster** – Psychology and Neuroscience 29<sup>th</sup> Annual In-House Convention, Dalhousie University, Halifax, Nova Scotia, May 2003  
**Presentation** – 13<sup>th</sup> Atlantic Rehabilitation Research Association Symposium, Halifax, Nova Scotia, March 2004
- Butler, B., Eskes, G., Harrison, E., McDonald, A. The gradient of detection in hemispatial neglect: Comparison of peripersonal and extrapersonal space.  
**Poster** – Canadian Society for Brain, Behaviour and Cognitive Science, Laval, Quebec, June 2001

## **WORKSHOP PRESENTATIONS**

Beyond the Physical - Cognitive and Perceptual Disorders after Stroke - Nursing workshop

Assistant Facilitator, Produced by the Heart and Stroke Foundation of PEI  
Summerside, PEI. May 12, 2006

Accepting Diabetes. Presented at Diabetes: Take Charge – Adult Workshop

Produced by the Canadian Diabetes Association  
Dartmouth, NS. September 2, 2005.

Stress Management for Chronic Illness. Presented to the Halifax Chapter of the Diabetes Support Group. Halifax, NS. January 18, 2005.

## **REFERENCES**

Letters of reference available upon request.