

## Curriculum Vita

### Richard Walter James Neufeld

#### Personal Data

*Office Address:* Department of Psychology  
University of Western Ontario  
Rm. 310 East, Westminster Hall  
361 Windermere Road  
London, ON N6B 2K3 Canada

*Telephone:* (519) 661-3696 (Office)  
(519) 661-2111, ext. 84709 (Research Assistant)  
E-mail: rneufeld@uwo.ca

#### Education:

Senior Matriculation: Lethbridge College Institute, Alberta  
Bachelor of Arts: University of Alberta, 1964-1967  
Master of Science: University of Calgary, 1968-1970  
Ph.D.: University of Calgary, 1970-1972

#### Positions Held:

Assistant, Associate, Full Professor: Department of Psychology, University of Western Ontario, 1972–

Professor of Psychology and Director: Doctoral Training Program in Clinical and Community Psychology, Simon Fraser University, 1978

Professor: Department of Psychiatry, University of Western Ontario, 1991- (Cross-appointment)

Chairman: Doctoral Training Program in Clinical Psychology and Experimental Psychopathology, University of Western Ontario, 1977-1978.

Director: Applied Psychology Program, University of Western Ontario, 1983

Co-Director: Doctoral Training Program in Clinical Psychology, University of Western Ontario, (APA and CPA Accredited), 1991

Member: Neuro-Psychiatry Division, Faculty of Medicine, University of Western Ontario, 2001–

Core Faculty Member: Neuroscience Program, University of Western Ontario, 2003-

Co-Director/Director: Doctoral Training Program in Clinical Psychology, University of Western Ontario (APA and CPA Accredited), 2003-2004

### Current Research Interests and Funding:

**Content:** Cognitive deficit in schizophrenia; Stress susceptibility among psychiatric patients; Human stress and coping; Functional and spectroscopy Magnetic Resonance Imaging in schizophrenia and post-traumatic stress disorder; Stochastic mathematical-modeling informed cognitive clinical science, and stress-and-coping research.

**Methodology:** Quantitative methods for applied behavioural science  
Mathematical-model development and testing in applied settings

### Funding:

**Medical Research Council of Canada:** "Parameters of schizophrenic cognitive deficit"

1973-74:	\$ 5,500	1976-77:	\$12,562	1980-83:	\$103,589
1974-75:	\$ 9,045	1977-79:	\$35,560	1983-87:	\$199,681
1975-76:	\$12,000	1979-80:	\$27,300	1987-90:	\$152,249
				1990-93:	\$161,295

**Medical Research Council of Canada:** "Development of a thought disorder questionnaire"

(with E.M. Waring) 1989-91: \$42,000

**Canadian Institutes of Health Research** (formerly Medical Research Council of Canada): "Candidate neuronal circuits in schizophrenia" (with P. Williamson and Dick Drost [Co-PIs])

1996-1999:	\$321,942	1999-2002:	\$360,336	2002-2007:	\$598,359
2007-2012:	\$569,075	2012-2017:	\$739,755		

**Canadian Institutes of Health Research:** (Multi-User Equipment Grant)

"Zero-Tesla Magnet: A simulated fMRI facility" (with M. Goodale [PI] and others) 1998-2001: \$45,000

**Canadian Institutes of Health Research:** "Zero-Tesla Magnet: A simulated fMRI facility"

(Maintenance Grant with M. Goodale [Principal Investigator] and others) 1998-2001: \$49,541

**Canadian Institutes of Health Research:** "Neuronal circuitry in posttraumatic stress disorder" (with R. Lanius [I] and others) 2001-2004: \$195,200

**Canadian Institutes of Health Research:** "Stress, Trauma & Recovery: Early stage studies" (New Emerging Team Grant with N. Coupland [PI] and others) 2003-2008: \$1,131,230

**Canadian Institutes of Health Research:** "Neuroimaging of pain in posttraumatic stress disorder and borderline personality disorder" (with R. Lanius [PI] and others) 2005-2008: \$231,327

**Canadian Institutes of Health Research:** "Neural correlates of social and nonsocial emotion processing in women with childhood interpersonal violence" (with R. Lanius [PI] and others) 2008-2009: \$100,000

**Canadian Institutes of Health Research:** "Neural and behavioural correlates of autobiographical memory performance in patients with post-traumatic stress disorder and/or major depression following motor vehicle crash" (with R. Lanius [PI] and others) 2009-2014: \$354,985

**Canadian Institutes of Health Research:** "Neurobiological markers of aberrant connectivity in autism" (with R. Nicolson [PI] and others) 2008-2011: \$383,967

**Canadian Institutes of Health Research:** "Predicting and understanding patterns of service utilization within children's mental health agencies" (3 years, Oct 2010 to Sept 2013 - CIHR #220153) (with G. Reid & S.L. Stewart [Co-Principal Investigators] and others) 2010-2014: \$336,160

**Canadian Institutes of Health Research:** "Before, during and after: Service use in the mental health and health sectors within Ontario for children and youth with mental health problems." (3 years, Aug 2014 to Jul 2017)(with G. Reid and others)

2014—2017: \$630,232

- Canadian Institutes of Health Research:** "Psychological assessment of symptom causal relations" (3 years, Oct 2011 to Sept 2014) (with P.A. Frewen, R. Lanius & J. Reiss) 2010-2014: \$162,774
- Canadian Institutes of Health Research:** "A longitudinal study of risk factors for the development and maintenance of the dissociative subtype of posttraumatic stress disorder following trauma exposure", (with R. Lanius, M. MckInnon, and others) 2014-2015: \$238,985
- Canadian Institutes of Health Research:** Randomized control trial of mindfulness meditation for PTSD with or without neurofeedback augmentation (with P Frewen, R. Lanius [Co-PI's], and others) 20016-20017: \$100,000
- Department of National Defense Canada:** "A biological marker of PTSD: A fMRI study in Canadian Forces Personnel with PTSD" (with R. Lanius [PI] and others) 2003-2005: \$144,000
- Department of National Defense Canada:** "Investigation of the effects of closed head injury using neurophysiological, neuroimaging and neurocognitive assessment" (with R. Stodilka, R. Lanius and others) 2007-2010: \$559,000
- National Health and Research Development Program:** "Evaluation of a stress management program for individuals with schizophrenia" (R. Norman, A. Malla, R.W.J. Neufeld et al.) 1995-1997: \$24,910
- National Research Council of Canada:** "Perception of stressor stimuli" 1972-1974: \$3,500
- Natural Sciences and Engineering Research Council of Canada (Internal):** "Empirical tests of formal models of stress effects on cognitive efficiency" 1991: \$3,500
- Natural Sciences and Engineering Research Council of Canada:** "Formal models of information processing under stress" 1995-2000: \$56,500
- Ontario Mental Health Foundation:** "Evaluation of a stress management program for individuals with schizophrenia" (R Norman, A Malla, RWJ Neufeld et al.) 1997-1999: \$120,000
- Ontario Mental Health Foundation:** "Major depression and marijuana use in youth: Neurofunctional and cognitive interactions" (E. Osuch (PI), D. Mitchell, P. Williamson, J. Théberge & R.W.J. Neufeld) 2009-2012: \$150,000
- Ontario Mental Health Foundation:** "Randomized controlled trial of internet-based mindfulness therapy for PTSD as adjunct to evidence-based treatment" (P. Frewen, R. Lanius, D. Richardson & R.W.J. Neufeld) 2014-2016: \$119,214
- Pfizer Psychiatry Research Award:** "Functional Neuroimaging of intrinsic hemodynamic networks in bipolar disorder and unipolar depressive disorder" (E. Osuch [PI] and others) 2012-2014: \$100,000
- Provincial Centre of Excellence for Child and Youth Mental Health at CHEO:** "Examining patterns of service utilization within children's mental health agencies" (G. Reid, S. Stewart et al.) 2008-2010: \$148,549
- Scottish Rite Schizophrenia Research Program:** "Mediators of the stress-psychosis relations in schizophrenia: The possible role of working memory" (R. Norman, A. Malla, R.W.J. Neufeld, N. Rajakumar, D. Vollick) 1997-1999: \$90,540
- Western Social Science Faculty Directed Research Fund Travel** 2015: \$1265
- Social Sciences and Humanities Research Council of Canada:** "Cognitive mechanisms in stress reaction"; "Coping with stress through decisional control: Tests of formal and quasi-formal models"
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|----------|----------|----------|-----------|------------|-----------|
| 1974-76: | \$21,473 | 1983-87: | \$141,306 | 2001-2004: | \$127,453 |
| 1976-77: | \$15,510 | 1987-88: | \$ 37,199 | 2004-2007: | \$120,000 |
| 1977-78: | \$19,996 | 1992-95: | \$ 92,154 | 2007-2010: | \$ 83,645 |
| 1979-81: | \$46,396 | 1995-98: | \$ 90,000 |            |           |
| 1981-83: | \$61,595 | 1998-01: | \$ 93,259 |            |           |
- Social Sciences and Humanities Research Council of Canada:** "Mathematical-theory driven research on stress and (decisional-control) coping: Toward general laws of individual differences" 2010-2013: \$109,803

**Social Sciences and Humanities Research Council of Canada:** "Individual differences in distinct facets of empathy and the factors that influence their expression" (Co-applicants: D. Mitchell & R.W.J. Neufeld):  
2009-2012: \$98,414

**Social Sciences and Humanities Research Council of Canada Travel Grants (2015 ... UWO Faculty of Social Science Research Development Fund Travel Grant):**

Annual Summer Interdisciplinary Conference in Cognitive Science (Squamish, B.C.)  
2002: \$2,034  
American Psychological Society 16th Annual Convention: Invited Paper (Chicago, IL)  
2004: \$1,040  
Society for Mathematical Psychology (Vancouver, B.C.)  
2006: \$1,500  
Annual Summer Interdisciplinary Conference in Cognitive Science (Kalymnos, Greece)  
2007: \$1,000  
Canadian Psychological Association Convention (Halifax, N.S.)  
2008: \$750  
Society for Mathematical Psychology Convention (Portland, Oregon)  
2010: \$1,315  
Society for Mathematical Psychology Convention (Medford, MA)  
2011: \$1,500  
Society for Masychology Convention (Potsdam, Germany)  
2013: \$1,500  
Society for Mathematical Psychology Convention (Quebec City)  
2014: \$1500  
Society for Mathematical Psychology Convention (Newport Beach, Ca.)  
2015: \$1500  
Society for Mathematical Psychology Convention (New Bruswick, N. J.)  
2016: \$1443

**Workplace Safety and Insurance Board:** "Stress, trauma and recovery in the workplace: Early stage studies" (with R. Lanius [PI] and others)  
2003-2008: \$300,000

**Upjohn London Neurosciences Program:** "Stress, anxiety, and cognition: Deciphering the sources of efficiency and deficiency"  
1991-1992: \$15,000

**Upjohn London Neurosciences Program:** "The influence of stress and moderator variables on psychotic and prodromal symptoms in schizophrenia" (with A. Malla, R. Norman, & P. Williamson)  
1991-1992: \$40,000

**Canadian Health Services Research Foundation:** "Help - I need somebody: The experiences of families seeking treatment for children with psychosocial problems and the impact of delayed or deferred treatment" (with G.J. Reid [PI] and others)  
2003-2005: \$200,000

**Academic Medical Organization of Southwestern Ontario:** "Pathophysiology of thought disorder in psychosis." (Lena Palaniyappan, P.I.)  
2016-2019: 146,250

**Awards and Scholarships:**

1978-79: Canada Council Leave Fellowship (Declined), 1/4 salary and \$2,500 research expenses  
1980-81: Social Sciences and Humanities Research Council Leave Fellowship (SSHRC):  
1/4 salary and \$2,500 research allowance)  
1982: SSHRC International Travel Award, \$1,600  
1983: SSHRC International Travel Award, \$1,847  
1983: SSHRC Research Time Stipend, \$18,118  
1987: SSHRC International Travel Award, \$1,000  
1988: Medical Research Council Applied Psychology Unit, Cambridge, U.K., Visiting Scholar  
1989-90: University of Western Ontario Faculty of Social Science Research Professorship  
(Teaching release and \$5,000 research stipend)  
1990: Irvine Research Unit in Mathematical Behavioral Sciences, University of  
California, Irvine, Visiting Professor (spring)  
1988 Applied Psychology Unit, Cambridge University, U. K. Visiting Professor.

- 1992: Joey & Toby Tannenbaum Schizophrenia Research Distinguished Scientist Award; awarded by the Canadian Psychiatric Research Foundation (\$50,000), first psychologist recipient
- 1995-97: Ontario Mental Health Foundation Senior Research Fellowship, \$57,000
- 1998-2000: Ontario Mental Health Foundation Senior Research Fellowship, \$57,720
- 2000-2001: Ontario Mental Health Foundation Senior Research Fellowship, \$28,860 [Maximum 5-year Fellowship duration, including 2 peer-reviewed renewals, interrupted by sabbatical during 1997-98]
- 2009: Fellow, Canadian Academy of Health Sciences
- 2012: Listed among top 11 male Canadian Clinical Psychology Professors of CPA Accredited Clinical Programs (Carleton, R. N., Parkerson, H. A., & Horswill, S. C. (2012). Assessing the publication productivity of clinical psychology professors in Canadian Psychological Association-Accredited Canadian Psychology Departments. *Canadian Psychology*, 53, 226.

#### **Applied Experience:**

- 1967: Alberta Government Clinical Internship, Alberta Mental Hospital, Ponoka
- 1968: Alcoholism Counsellor, Division of Alcoholism, Alberta, Government Dept. of Health
- 1970-71: Department practicum requirements in Psychiatric Ward of Calgary Foothills Hospital
- 1975-76: Consultant, Department of Psychology, University Hospital, London, Ontario

#### **Departmental and University Administrative Committee Membership:**

- Psychology Promotion & Tenure Committee: 1976-77; 1977-78; 1981-82; 1982-83; 1984-86
- Psychology New Appointments Committee: 1977-78; 1981-82; 2002-2003
- Psychology Nominating Committee: 1984-85
- Psychology Resource Personnel & Planning: 1981-82
- Psychology Chairman Selection Committee: 1979-80; 1982-83; 2007
- University Career Health Scientist Selection Committee: 1980-83
- Social Sciences Ethics Review Committee, 1986-87
- Physical Therapy M.Sc.-Program-Application Evaluation Committee: 1986-87
- NSERC Faculty-of-Graduate Studies Student Awards Committee: 1985-87
- Faculty of Social Science Department of Economics Chairman Selection Committee: 1991-92; 2013-2015
- Chairman, Clinical Psychology Program Departmental Ph.D. Comprehensive Committee: 2002-03
- Westminster Hall, Psychology Space Committee: 2000-2001; 2014-2016

#### **Scientific Organizations and Editorial Activities:**

- 1979-80: Editorial Board, Canadian Journal of Behavioural Science
- 1981-86: Associate Editor, Canadian Journal of Behavioural Science
- 1994-2010; 2013-2015: Editorial Board, Psychological Assessment
- 1997-2003: Associate Editor, Psychological Assessment (American Psychological Association Journal of clinical-assessment technology)
- 1976-95: London Psychiatric Hospital Research Committee
- 1976-80: Medical Research Council of Canada Grants Selection Committee, Behavioural Sciences
- 1979: Site Visit Committee Chairman, Medical Research Council capital equipment grant application, program in medical psychophysics, Dalhousie University

- 1982-86: Medical Research Council of Canada Grants Selection Committee, Behavioural Sciences
- 1990-94: Medical Research Council of Canada Scientist Awards Committee
- 1984: Canadian Psychological Association Report Committee on Contributions of Psychology (as a Clinical Science) to Society (Opinion II)
- 1985-86: SSHRC Grants Selection Committee, Psychology
- 1987: Ontario Mental Health Foundation (OMHF) Planning Committee
- 1987-90: Chairman, OMHF Planning and Priorities Committee
- 1989-93: Chairman, Member and Vice Chairman, Board of the OMHF (Jun 89-Feb 93)
- 1987-92: Member, Examination Committee, American Association of State Psychology Boards
- 1990-92: Chairman, Examinations Subcommittee on Academic Standards, Association of State and Provincial Psychology Boards
- 1994: Charter Member: American Board of Assessment Psychology, Fellow: American Academy of Assessment Psychology
- 2002: Doctoral-Fellowships Selection Committee, Cognitive-Sciences; SSHRC
- 2002: Doctoral-Fellowships Review Panel, Cognitive-Sciences; SSHRC
- 2004: Guest Action Editor, Psychological Assessment
- 2005-2008 Member: Advisory Committee on Scientific Affairs, Canadian Psychological Association
- 2006-2008 Member, Canadian Psychological Association Fellows & Awards Committee
- 2007- Member: Editorial Advisory Panel, Oxford University Press
- 2011- Member: Editorial Board, World Journal of Psychiatry
- 2011- Member: Editorial Board, World Journal of Methodology
- 2008- Member: Canadian Institutes of Health Research Grant Panel: Behavioural Sciences B
- 2008-10 Member, Canadian Psychological Association Nominations Committee
- 2008: Guest Editor: Special Issue of Journal of Mathematical Psychology: Applications of Mathematical Psychology to Clinical Science and Assessment
- 2009: Temporary member, Canadian Institutes of Health Research: Gender and Health
- 2012-present: Consulting Editor, Journal of Mathematical Psychology

### **Professional Affiliations:**

American Psychological Association: Division 12, Clinical Association for Psychological Science

Canadian Psychological Association: Fellow

Ontario College of Psychology: Registration

Society for Mathematical Psychology

Society for Research in Psychopathology

Society for Nonlinear Dynamical Systems Theory in Psychology and the Life Sciences

Diplomate: American Board of Assessment Psychology

### **PUBLICATIONS**

Neufeld, R.W.J. (1970). Generalization of results beyond the experimental setting: Statistical versus logical considerations. *Perceptual and Motor Skills*, 31, 443-446.

Neufeld, R.W.J. (1970). The effect of experimentally altered cognitive appraisal on pain tolerance. *Psychonomic Science*, 20, 106-107.

Neufeld, R.W.J., & Davidson, P.O. (1971). The effects of vicarious and cognitive rehearsal on pain tolerance. *Journal of Psychosomatic Research*, 15, 329-335. (Reprinted in 1 other source)

Neufeld, R.W.J. (1972). Multidimensional scaling of perceived interests of three student stereotypes. *Perceptual and Motor Skills*, 34, 511-514.

Neufeld, R.W.J., & Davidson, P.O. (1972). Scaling of the Subjective Stress Scale with a sample of university undergraduates. *Psychological Reports*, 31, 821-822.

Neufeld, R.W.J., Rogers, T.B., & Costello, C.G. (1972). Comparison of measures of depression by the experimental investigation of single cases. *Psychological Reports*, 31.

Neufeld, M.M., & Neufeld, R.W.J. (1973). Use of video-tape feedback in swimming instruction with emotionally disturbed children. *Perceptual and Motor Skills*, 35, 992.

Neufeld, R.W.J. (1973). Semantic dimensionality of the Subjective Stress Scale. *Psychological Reports*, 33, 885-886.

Davidson, P.O., & Neufeld, R.W.J. (1974). Response to pain and stress: A multivariate analysis. *Journal of Psychosomatic Research*, 18, 25-32. (Reprinted in 2 other sources)

Neufeld, R.W.J., & Davidson, P.O. (1974). Dimensionality of subjective responses to complex aversive stimuli. *Canadian Journal of Behavioural Science*, 6, 258-269.

Neufeld, R.W.J., & Davidson, P.O. (1974). Sex differences in stress responses: A multivariate analysis. *Journal of Abnormal Psychology*, 83, 178-185.

Neufeld, R.W.J. (1975). Multidimensional scaling of schizophrenics' and normals' perceptions of verbal similarity. *Journal of Abnormal Psychology*, 84, 498-507.

Neufeld, R.W.J. (1975). Effects of cognitive appraisal on  $d'$  and response bias to experimental stress. *Journal of Personality and Social Psychology*, 31, 735-743.

Neufeld, R.W.J. (1976). Evidence of stress as a function of experimentally-altered appraisal of stimulus aversiveness and coping adequacy. *Journal of Personality and Social Psychology*, 33, 632-646.

Neufeld, R.W.J. (1976). Simultaneous processing of multiple stimulus dimensions among paranoid and nonparanoid schizophrenics. *Multivariate Behavioral Research*, 4, 425-442.

Neufeld, R.W.J. (1976). Relationship between conceptual judgments and stimulus dimensions among schizophrenics and normals. *British Journal of Social and Clinical Psychology*, 15, 85-91.

Broga, M., & Neufeld, R.W.J. (1977). Dimensions of thinking among process and reactive schizophrenics. *Psychological Record*, 2, 265-277.

Jessup, B., & Neufeld, R.W.J. (1977). Effects of biofeedback and "autogenic relaxation" techniques on physiological and subjective responses in psychiatric patients. A preliminary analysis. *Behavior Therapy*, 160-167. (Reprinted in 1 other source)

Lefave, M.K., & Neufeld, R.W.J. (1977). Effect of stimulus context and repeated aversive visual stimulation on the cardiac correlate of attention. *Perceptual and Motor Skills*, 44, 215-21.

Neufeld, R.W.J. (1977). *Clinical quantitative methods*. New York: Grune & Stratton.  
[Contemporary Psychology Review: Kowalski, C.J. That's showing those clinicians. *Contemporary Psychology*, 1978, 23, 812-813.]

*Adjunct Technical Report: Neufeld, R.W.J. (1976). Some consequences of opting for null-range hypothesis testing of experimental data. Department of Psychology Research Bulletin No. 356. London, ON: University of Western Ontario.*

Neufeld, R.W.J. (1977). Components of processing deficit among paranoid and nonparanoid schizophrenics. *Journal of Abnormal Psychology*, 86, 60-64.

Neufeld, R.W.J. (1977). Response selection processes in paranoid and nonparanoid schizophrenia. *Perceptual and Motor Skills*, 44, 499-505.

Neufeld, R.W.J., & Broga, M.I. (1977). Relations between diagnostic-demographic variables and thought-disorder symptomatology among process schizophrenic patients. *Multivariate Experimental Clinical Research*, 3, 133-145.

Neufeld, R.W.J., & Thomas, P. (1977). Effects of perceived efficacy of a prophylactic controlling mechanism on self-control under pain stimulation. *Canadian Journal of Behavioural Science*, 9, 224-232.

Neufeld, R.W.J. (1978). Paranoid and nonparanoid schizophrenics' deficit in the interpretation of sentences: An information-processing approach. *Journal of Clinical Psychology*, 34, 333-339.

Neufeld, R.W.J. (1978). Veridicality of cognitive mapping of stressor effects: Sex differences. *Journal of Personality*, 3, 85-121.

Dobson, K., & Neufeld, R.W.J. (1979). Stress-related appraisals: A regression analysis. *Canadian Journal of Behavioural Science*, 11, 275-285.

Jessup, B.A., Neufeld, R.W.J., & Merskey, H. (1979). Biofeedback therapy for headache and other pain: An evaluative review. *Pain*, 7, 225-270.

Dobson, D., & Neufeld, R.W.J. (1980). Relationship between the Whitaker Index of schizophrenic thinking and intelligence in paranoid and nonparanoid schizophrenics. *Journal of Consulting and Clinical Psychology*, 48, 92-94.

Jessup, B.A., Neufeld, R.W.J., & Merskey, H. (1980). Biofeedback therapy for headache and other pain: Reply to comments. *Pain*, 9, 111-113.

Lefave, M.K., & Neufeld, R.W.J. (1980). Anticipatory threat and physical-danger trait anxiety: A signal-detection analysis of effects on autonomic responding. *Journal of Research in Personality*, 14, 283-306.

Neufeld, R.W.J., & Mothersill, K. (1980). Stress as an irritant of psychopathology. In I. Sarason & C.D. Spielberger (Eds.), *Stress and anxiety*, Vol. VIII. New York: Hemisphere.



Broga, M.I., & Neufeld, R.W.J. (1981). Multivariate cognitive performance levels and response styles among paranoid and nonparanoid schizophrenics. *Journal of Abnormal Psychology, 90*, 495-509.

Broga, M.I., & Neufeld, R.W.J. (1981). Evaluation of information-sequential aspects of schizophrenic performance, I: Framework and current findings. *Journal of Nervous and Mental Disease, 169*, 559-568.

Neufeld, R.W.J., & Broga, M.I. (1981). Evaluation of information-sequential aspects of schizophrenic performance, II: Methodological considerations. *Journal of Nervous and Mental Disease, 169*, 569-579.

*Adjunct Technical Report: Neufeld, R.W.J., & Broga, M.I. (1976). Fallacy of the reliability-discriminability principle in research on differential cognitive deficit. Department of Psychology Research Bulletin No. 360. London, ON: University of Western Ontario.*

Dobson, K., & Neufeld, R.W.J. (1981). Sources of differential stress response associated with psychometrically-designated anxiety proneness. *Journal of Personality and Social Psychology, 40*, 951-961.

Dobson, D., & Neufeld, R.W.J. (1982). Paranoid-nonparanoid schizophrenic distinctions in the implementation of external conceptual constraints. *Journal of Nervous and Mental Disease, 170*, 614-621.

Neufeld, R.W.J. (1982). (Ed.), *Psychological stress and psychopathology*. New York: McGraw-Hill (367 pp) [Contemporary Psychology Review: Steffy, R.A. Support for the fourth and fifth axes. *Contemporary Psychology, 1983*, 395-396.]

Neufeld, R.W.J. (1982). Introduction and overview to psychological stress and psychopathology. In R.W.J. Neufeld (Ed.), *Psychological stress and psychopathology*. New York: McGraw-Hill.

Neufeld, R.W.J. (1982). On decisional processes instigated by threat: Some possible implications for stress-related deviance. In R.W.J. Neufeld (Ed.), *Psychological stress and psychopathology* (pp. 240-270). New York: McGraw-Hill.

Neufeld, R.W.J. (1982). Summary observations and future research trends in psychological stress and psychopathology. In R.W.J. Neufeld (Ed.), *Psychological stress and psychopathology*. New York: McGraw-Hill.

Nielson, W.R., Neufeld, R.W.J., & Goldband, S. (1982). Controllability, cardiovascular responsivity, and the Type A behavior pattern. *Psychophysiology, 19*, 576-577. (Abstract)

Neufeld, R.W.J. (October, 1983). (Guest Editor), Clinical Health Psychology. *Canadian Journal of Behavioural Science, Special Issue*.

Neufeld, R.W.J., & Kuiper, N. (1983). Stress-related deviance and sources of stress-negotiation difficulties in the medical setting. *Canadian Journal of Behavioural Science (Special Issue on Clinical Health Psychology), 15*, 334-350.

Neufeld, R.W.J., & Herzog, H. (1983). Acquisition of probabilities in anticipatory appraisals of stress. *Personality and Individual Differences*, 4, 1-7.

Neufeld, R.W.J. (1984). Are semantic networks of schizophrenic samples intact? *Behavioral and Brain Sciences*, 7, 749-750.

Neufeld, R.W.J. (1984). Re: The incorrect application of traditional test discriminating power formulations to diagnostic-group studies. *Journal of Nervous and Mental Disease*, 172, 373-374.  
*Adjunct Technical Report: Neufeld, R.W.J. (1983). On the psychometric sensitivity of measures with complex structures to sources of between-group differences. Department of Psychology Research Bulletin No. 592. London, ON: University of Western Ontario.*

George, L., & Neufeld, R.W.J. (1984). Imagery and verbal aspects of schizophrenic informational-performance. *British Journal of Clinical Psychology*, 23, 9-18.

Neufeld, R.W.J.(1984). (Ed.), *Psychopatologia y stress*. Barcelona, Spain: Ediciones Toray, S.A.

George, L., & Neufeld, R.W.J. (1985). Cognition and symptomatology in schizophrenia. *Schizophrenia Bulletin*, 11, 264-285.

Ludwick-Rosenthal, R., & Neufeld, R.W.J. (1985). Heart rate interoception and emotionality: A study of individual differences. *International Journal of Psychophysiology*, 3, 57-65.

Mothersill, K.J., & Neufeld, R.W.J. (1985). Probability learning and coping in dysphoria and obsessive-compulsive tendencies. *Journal of Research in Personality*, 19, 152-165.

Neufeld, R.W.J. (1985). Physiological substrates of a psychological dimension. *Behavioral and Brain Sciences*, 7, 445-446.

Neufeld, R.W.J. (1985). Sources of susceptibility to stress in psychopathology and stress-management procedures. *Biological Psychology*, 10, #217 (Abstract).

Neufeld, R.W.J. (1985). [Review of "Advances in Clinical Behavior Therapy" by K. Craig & R.J. MacMahon]. *Canadian Psychology*, 26, 182-183.

Highgate-Maynard, S., & Neufeld, R.W.J. (1986). Schizophrenic memory-search performance involving nonverbal stimulus properties. *Journal of Abnormal Psychology*, 95, 67-73.  
*Adjunct Technical Report: Neufeld, R.W.J. (1989). Parallel versus serial implementation of selective factor effects within a simultaneous Poisson process: A working perspective. Department of Psychology Research Bulletin No. 683. London, ON: University of Western Ontario.*

Mothersill, K., Dobson, K., & Neufeld, R.W.J. (1986). The interactional model of anxiety: An evaluation of the differential hypothesis. *Journal of Personality and Social Psychology*, 51, 640-648.

Nielson, W., & Neufeld, R.W.J. (1986). Type A behavior and cardiovascular response to uncontrollable stress: A multidimensional approach. *Canadian Journal of Behavioural Science*, 18, 224-237.

Dobson, D.J.G., & Neufeld, R.W.J. (1987). Association of social competence with episodic vs. remitted status in paranoid and nonparanoid schizophrenia. *Canadian Journal of Behavioural Science*, *19*, 67-73.

Dobson, D.J.G., & Neufeld, R.W.J. (1987). Span of apprehension among remitted schizophrenics using small visual angles. *Journal of Nervous and Mental Disease*, *175*, 362-366.

Gardner, R.C., & Neufeld, R.W.J. (1987). The simple difference score in correlational analyses. *Educational and Psychological Measurement*, *47*, 849-864.

George, L., & Neufeld, R.W.J. (1987). Attentional resources and hemispheric functional asymmetry in schizophrenia. *British Journal of Clinical Psychology*, *26*, 35-45.

George, L., & Neufeld, R.W.J. (1987). Magical ideation and schizophrenia. *Journal of Consulting and Clinical Psychology*, *55*, 778-779.

Mather, J.A., & Neufeld, R.W.J. (1987). Attention and eye-movement problems in schizophrenics: Trying to prove a cause for motor disorder. *Canadian Psychology* #378 (Abstract).

Neufeld, R.W.J. (1987). Mathematical note on propensity to engage in counter-stress activity. *Perceptual and Motor Skills*, *65*, 493-494. (Invited)

Paterson, R., & Neufeld, R.W.J. (1987). Clear danger: Situational determinants of the appraisal of stress. *Psychological Bulletin*, *101*, 404-416.

Dance, K., & Neufeld, R.W.J. (1988). Aptitude-treatment interaction in the clinical setting: An attempt to dispel the patient-uniformity myth. *Psychological Bulletin*, *104*, 192-213.

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and major depressive disorder observed with magnetic resonance spectroscopy at 7T. *British Journal of Psychiatry: Open*.

Aoyama, N., Moran, G.R., Williamson, P.C., Théberge, J., Neufeld, R.W.J., Densmore, M., Schaefer, B., & Thompson, T. (submitted). The perils of long-term proton magnetic resonance spectroscopy studies.

Neufeld, R.W.J. (revision in preparation). Stochastic-model interpretations of stress effects on information processing.

*Background Technical Reports:*

1. Neufeld, R.W.J. (1997). *On moments of mixtures on rate parameters of base distributions comprising stochastically independent convolutions and simultaneous gammas: Stress-buffer correlates*. Research Bulletin No. 729, Department of Psychology, UWO.

2. Neufeld, R.W.J. (1994). *Theoretical stress and stress-proneness effects on information processing in light of mathematical models of stochastic processes*. Research Bulletin No. 720, Department of Psychology, UWO.

Renaud, R., & Neufeld, R.W.J. (in revision). Performance of matrix-operation derived cubic-spline coefficients under varying parameters of estimation.

Benn, K., & Neufeld, R.W.J. (in preparation). Formal modelling of differential preference for decisional control over stress.

Boksman, K., Miller, J., Williamson, P., Drost, D., Menon, R., & Neufeld, R.W.J. (in preparation). When events are processes: effective neuro-connectivity of formally modeled encoding deficit in schizophrenia.

Vollick, D., & Neufeld, R.W.J. (in preparation). Stochastic modelling of encoding-latency means and variances in paranoid schizophrenia.

#### **Grant-Supported Publications:**

Dobson, K.S. (1983). A regression analysis of the interactional approach to anxiety. *Canadian Journal of Behavioural Science*, 15, 163-173.

Gold, E. (1986). Long-term effects of sexual victimization in childhood: An attributional approach. *Journal of Consulting and Clinical Psychology*, 54, 471-475.



## Presentations, Colloquia, and Technical Reports

- Over 105 papers, invited presentations, and colloquia presented to academic departments, and at learned-society meetings
- Over 52 Research Bulletins and Technical Reports

### Selection of Conference Presentations and Invited Lectures

Neufeld, R.W.J. (1999). Quantitative schemata of decisional stress-control. *Journal of Mathematical Psychology*, 43, 586. Paper presented at the 32nd annual meeting of the *Society for Mathematical Psychology*, Santa Cruz.

Neufeld, R.W.J. (1999). Dynamical system aspects of stress and coping. Paper presented at the 9th Annual International Conference of the *Society for Chaos Theory in Psychology and Life Sciences*, Berkeley, CA.

Neufeld, R.W.J. (1999). A formal theoretical approach to the study of cognitive psychopathology. *Pang Lecture on Schizophrenia*, Psychology Department, Indiana University. (Invited)

Neufeld, R.W.J. (1999). Workshop on model development and testing in applied cognitive psychology. *Cognitive Science Program*, Indiana University. (Invited)

Levy, L., Neufeld, R.W.J., Yao, W. (2000). Methodological challenges to capturing dynamical aspects of health-care acquisition. *Tri-Council (SSHRC, CIHR, NSERC) Workshop on Health-Care Provision and Access*, McGill University. (Invited)

Levy, L., Neufeld, R.W.J., & Yao, W. (July 2000). Stress negotiation and coping proclivity: The implementation of non-linear dynamical systems theory and its associated numerical diagnostics to quantify and expound a prototypical, multidimensional, chaotic system. Paper presented to the *International Society for the Systems Sciences (ISSS)* in conjunction with the 44th Annual Meeting of the World Congress of the Systems Sciences, Ryerson Polytechnic University, Toronto.

Neufeld, R.W.J. & Carter, J. (2000). Formally deciphering effects of stress on cognitive performance. Paper presented at the 33rd Annual Meeting of the *Society for Mathematical Psychology*, Queen's University, Kingston, Ontario.

Al-Seeman, Y.M., Jensen, J.E., Williamson, P.E., Drost, J.E., Menon, R.S., & Neufeld, R.W.J. (April 2001). Region-specific changes in phosphorous metabolites in chronic-medicated schizophrenic patients: A 31p chemical shift imaging study at 4.0 Tesla. Paper presented at the *International Congress on Schizophrenia Research*, Whistler, British Columbia.

Jensen, J.E., Al-Seeman, Y., Drost, D.J., Williamson, P.C., Neufeld, R.W.J., & Menon, R.S. (2001). Region-specific changes in phospholipid metabolism in schizophrenia: A 31P chemical shift imaging study at 4.0 tesla. Presented at the *International Society of Magnetic Resonance in Medicine*, Glasgow, Scotland.

Théberge, J., Drost, D.J., Williamson, P.C., Bartha, R., Malla, A., Al-Seeman, Y., Neufeld, R.W.J., & Menon, R.S. (2001). 4.0 Tesla measurements of N-acetylaspartate, glutamate and glutamine in the anterior cingulate and thalamus of schizophrenic patients pre and post treatment. Presented at the *International Society of Magnetic Resonance in Medicine*, Glasgow, Scotland.

Neufeld, R.W.J. (2001). Stimulus encoding in paranoid schizophrenia: Stochastic modelling of group and individual differences. Paper presented at the 34th Annual Meeting of the *Society for Mathematical Psychology*, Brown University, Providence, Rhode Island.

Neufeld, R.W.J. (April 2001). Formal models in explanation and measurement of cognitive psychopathology. Mount Sinai Workshop on Cognition in Schizophrenia: *International Congress on Schizophrenia Research*, Whistler, British Columbia. (Invited)

Jensen, J.E., Williamson, P.C., Neufeld, R.W.J., Menon, R.S., Malla, A., & Drost, D.J. (2002). Localized alterations in brain phospholipid metabolism in first episode schizophrenic patients: A 31P-MRS chemical-shift imaging study at 4 Tesla. Presented at the *International Society of Magnetic Resonance in Medicine*, Honolulu, Hawaii.

Lanius, R.A., Williamson, P.C., Densmore, M., Boksman, K., Neufeld, R.W.J., Gali, J., & Menon, R. (December 2002). The nature of traumatic memories: A fMRI functional connectivity analysis. Presented at the *American College of Neuropsychopharmacology Annual Meeting*, Puerto Rico.

Levy, L., Jetté, J., & Neufeld, R.W.J. (July 2002). Application of chaos theory to a model of stress and coping: Simulational evidence and empirical validation. Presented at the Meetings for *Society for Nonlinear Dynamics and Chaos in Psychology and Life Sciences*, Portland, Oregon.

Neufeld, R.W.J. (March 2002). Formal theory in Clinical Cognitive Science, *APS, APA, NIMH co-sponsored Conference on Integrative Behavioral Science*, Bloomington, Indiana. (Invited)

Neufeld, R.W.J. (March 2002). From cognitive science to psychological assessment: A smooth if not seamless transition. Colloquium presented to *Indiana University, Psychology Department*, Bloomington, Indiana.

Neufeld, R.W.J. (August 2002). Stochastic modelling of stress effects on proofreading. Presented at the *Annual Summer Inter-Disciplinary Conference on Cognitive Science*, Squamish, British Columbia.

Neufeld, R.W.J. (November 2002). From cognitive science to clinical science: A smooth if not seamless transition. Presented at the *Department of Psychology, University of Manitoba*, Winnipeg, Manitoba. (Invited)

Neufeld, R.W.J., Vollick, D., & Carter, J.R. (September 2002). Bayesian strategies for individualizing group-level findings on cognitive psychopathology. Presented at the *Society for Research in Psychopathology*. "In-Depth Talk", San Francisco. (Invited)

Théberge, J., Williamson, P.C., Bartha, R., Menon, R.S., Neufeld, R.W.J., Al-Seeman, Y., & Drost, D.J. (2002). 4.0 Tesla proton spectroscopy study of first episode and chronic schizophrenia patients. Presented at the *International Society of Magnetic Resonance in Medicine Meeting*, Honolulu, Hawaii.

Lanius, R.A., Williamson, P.C., Boksman, K., Densmore, M., Gupta, M., Neufeld, R.W.J., Gati, J.S., & Menon, R.S. (May 2003). Reliving and dissociative responses in PTSD: fMRI function connectivity analyses. Presented at the *VIII European Conference on Traumatic Stress*, Berlin, Germany.

Lanius, R.A., Williamson, P.C., Boksman, K., Densmore, J., Gupta, M., Neufeld, R.W.J., Gati, J.S., & Menon, R.S. (May 2003). Brain activation and functional connectivity during script-driven imagery induced dissociative responses in PTSD: A functional magnetic resonance imaging investigation. *Society of Biological Psychiatry Annual Meeting*, San Francisco.

Lanius, R.A., Williamson, P.C., Boksman, K., Densmore, M., Neufeld, R.W.J., Gati, J.S., & Menon, R.S. (December 2003). Traumatic symptom provocation and neuroimaging: Heterogeneity of response in PTSD. Presented at the *American College of Neuropsychopharmacology Meeting*, San Juan, Puerto Rico.

Williamson, P.C., Théberge, J., Malla, A.K., Neufeld, R.W.J., Bartha, R., Menon, R.S., Takhar, J., Densmore, M., Drost, D.J. (2003). 4.0 Tesla 1H MRS correlates of neuronal degeneration in the left anterior cingulate and thalamus in first-episode and chronic schizophrenic patients. Presented at the *International Congress on Schizophrenia Research*, Colorado Springs, CO.

Théberge, J., Williamson, P.C., Manchanda, R., Menon, R.S., Neufeld, R.W.J., Densmore, M., Williamson, K.A., & Drost, D.J. (2004) Longitudinal Study of First-Episode Schizophrenia using 4.0T 1H MRS and Voxel-Based Morphometry. Presented at the *International Society for Magnetic Resonance in Medicine 2004 meeting* in Kyoto, Japan. Abstract Number 543.

Neufeld, R.W.J. (March 2004). Composition and uses of formal clinical cognitive science. Presented at the 53rd annual *Nebraska Symposium on Motivation*. Lincoln-Nebraska. (Invited)

Neufeld, R.W. J. (April 2004). fMRI studies of schizophrenia cognition: The role of mathematical process models. Presented to the *Department of Psychology, University College of the Fraser Valley at Abbotsford*. (Invited by American Psychological Society and Erlbaum Publications)

Townsend, J.T., & Neufeld, R.W.J. (May 2004). Mathematical theory-driven methodology and experimentation in the emerging quantitative clinical cognitive science: Toward general laws of individual differences. *APS sponsored symposium on Translation Psychological Science (in Honor of Richard M. McFall)*, Chicago, Illinois. (Invited)

Lanius, R., Sanderson, M., Coupland, N., Hegadoren, K., Neufeld, R., & Menon, R. (2005). Pain processing in PTSD and borderline personality disorder. Presented at the *21st Annual ISTSS Meeting: Dissemination: Transforming lives through transforming care*, November 2-5, 2005, Toronto, Ontario.

Levy, L.R., & Neufeld, R.W.J. (2005). Chaotic dynamics in a 6-variable system of psychological stress and coping: Introduction of a 4-variable reduction. Poster presented at *Gordon Research Conferences (GRC): Nonlinear Science*, Colby College, Waterville, Maine, U.S.A.

Williamson, P.C.; Théberge, J.; Manchanda, R.; Malla, A.K.; Menon, R.; Neufeld, R.W.J.; Rajakumar, N.; Pavlosky, W.; Densmore, M. and Drost, D.J. (2005). "Longitudinal gray matter and glutamatergic changes with high field 1H MRS in first episode schizophrenic patients". *International Congress on Schizophrenia Research*, Savannah, Georgia, U.S.A.

Neufeld, R.W.J. (July 2006). Group-level findings and individual differences in applied cognitive measurement. Paper presented to the *Society for Mathematical Psychology* Annual Meeting, Vancouver, British Columbia.

Levy, L.R., Yao, W., Vollick, D., McGuire, C.G., & Neufeld, R.W.J. (July 2006). Nonlinear dynamics of stress, coping and related variables. Poster presented to the *Society for Mathematical Psychology* Annual Meeting, Vancouver, British Columbia.

Shanahan, M.J., & Neufeld, R.W.J. (May 2006). Modeling the interplay of cognitive load and threat reduction across decisional scenarios. Poster presented at the 18th Annual Convention of the *Association for Psychological Science (APS)*, New York, NY.

Shanahan, M.J., & Neufeld, R.W.J. (June 2006). Modeling the interplay of cognitive load and threat reduction across a range of decisional scenarios: A gold standard for quantifying the stresses of negotiating with the environment. Poster presented at the 67th Annual Convention of the *Canadian Psychological Association (CPA)*, Calgary, AB.

Levy, LR., Yao, W., Vollick, D., McGuire, C.G., & Neufeld, R.W.J. (January 2007). Nonlinear dynamics of stress, coping and related variables. Poster presented at the *Faculty Research Showcase Day, University of Western Ontario*, London, Ontario, Canada.

Tobon, J.I., Reid, G.J., Neufeld, R.W.J. (March, 2007). Children's Mental Health Services: Investigating Factor Related to Help-Seeking and Service Utilization Patterns. Poster presented at: The 20th Annual *Research Conference, A System of Care for Children's Mental Health*, Tampa, Florida.

Shanahan, Matthew J., & Neufeld, Richard W.J. (May 2007). Statistical properties of a model for hierarchically nested second-order decisional scenarios. Poster presented at the 19th Annual Convention of the *Association for Psychological Science (APS)*, Washington, DC, USA.

Frewen, P. A., Dozois, D. J. A., Lanius, R. A., Neufeld, R. W. J. (June 2007). Clinical & Neural Correlates of Emotional Awareness & Regulation in Posttraumatic Stress Disorder. Annual Convention of the *Canadian Psychological Association*, Ottawa, Ontario.

Dean, K.M., Coupland, N.C., Lanius, R., Rowe, B., Neufeld, R.W.J., Kang, J.H., O'Neill, A.C., Prendergast, S.J., Chivers-Wilson, K., & Hegadoren, K.M. (June 2007). Potential interactions between female sex hormones and peripheral opioid system activity. Presented at the 30th annual meeting of the *Canadian College of Neuropsychopharmacology*, Banff, June 15-19.

Boksman, K., Miller, J., Williamson, P., Drost, D., Menon, R., & Neufeld, R.W.J. (June 2007). When events are processes: 4-T event-related monitoring of effective connectivity of formally modeled encoding deficit in schizophrenia. Presented at the sixth *Annual Summer Interdisciplinary Conference* in Kalymnos, Greece.

Shanahan, Matthew J., & Neufeld, Richard W.J. (June 2007). Modeling the interplay of cognitive load and threat reduction: An extensive investigation of the characteristics of hierarchically nested second-order decisional scenarios. Poster presented at the 68th Annual Convention of the *Canadian Psychological Association (CPA)*, Ottawa, ON, Canada.

Tobon, J.I., Reid, G.J., Neufeld, R.W.J. (June, 2007). Investigating Patterns of Help-seeking and Service Utilization in Children's Mental Health. Poster presented at: The *Canadian Psychological Association* Annual Convention, Ottawa, Ontario.

Foo, J.C., Coupland, N.J., Lanius, R., Rowe, B., Neufeld, R.W.J., & Hegadoren, K.M. (June, 2007). Who is vulnerable? A prospective study of stress responses and the emergence of stress disorders after MVC. *Canadian College of Neuropsychopharmacology Meeting*.

Dean, K.M., Coupland, N.J., Lanius, R., Rowe, B., Neufeld, R.W.J., Kand, J.H., O'Neill, A.C., Prendergast, S.J., Chivers-Wilson, K., & Hegadoren, K.M. (2007). Potential interactions between female sex hormones and peripheral opioid system activity. *Canadian College of Neuropsychopharmacology Meeting*, Banff, Canada, June 2007.

Neufeld, R.W.J. (2007). Quantitative clinical cognitive science, and cognitive neuro-imaging, of schizophrenia. Colloquium presented to the *Department of Psychology, The Pennsylvania State University*, University Park, PA, November 27, 2007. (Invited)

Pawluk, E., Hong, R., Shanahan, M., & Neufeld, R.W.J. (2008). Preference for decisional control reflected in situational and individual differences. Paper presented at the 2008 Annual Convention of the *Canadian Psychological Association*, Halifax, Nova Scotia, June 12-14, 2008.

Shanahan, M.J., Hong, R.Y., Pawluk, E.J., & Neufeld, R.W.J. (2008). Predicting stress: Comparing multimodal stress negotiation data to the predictions of a normative model of decisional control. Poster presented at the 69th Annual Convention of the *Canadian Psychological Association*, Halifax, Nova Scotia, June 12-14, 2008.

Shanahan, M.J., & Neufeld, R.W.J. (2008). Modeling cognitive load and threat reduction: Quantitative characteristics of hierarchically-nested decisional control scenarios. Paper presented at the 41st Annual Conference of the *Society for Mathematical Psychology*, Washington, DC, July 26-29, 2008.

Reid, G.J., Stewart, S.L., Zaric, G.S., Barwick, M., Carter, J., Neufeld, R.W.J., Tobon, J.I., Vingilis, E., & Quinlan, D.J. (2009). Defining episodes of care in children's mental health using administrative data. Poster presented at the *Health Policy Initiative - Showcase Western Conference*, London, Ontario, May 7, 2009.

Reid, G.J., Stewart, S.L., Barwick, M., Cunningham, C.E., Carter, J.R., Evans, B., Leschied, A.W., Neufeld, R.W.J., St. Pierre, J., Tobon, J.I., Vingilis, E.R., & Zaric, G. S. (2009). Exploring patterns of service utilization within children's mental health agencies. Presentation, *Ministry of Child & Youth Services*, Half-day educational session, Toronto, ON, September 2009.

Reid, G. J., Stewart, S. L., Barwick, M., Cunningham, C. E., Carter, J. R., Evans, B., Leschied, A. W., Neufeld, R. W. J., St. Pierre, J., Tobon, J. I., Vingilis, E. R., and Zaric, G. S. (2009). Exploring patterns of service utilization within children's mental health agencies. Paper presented at Children and youth with complex mental health needs: Service utilization, outcome and best practice, *Child and Parent Resource Institute Research Day*, London, ON September 11, 2009.

Shanahan, M., & Neufeld, R.W.J. (2010). Mathematical Expectation of Threat, Unpredictability, and Mechanisms of Stochastic "Faint Threat" in a Model of Decisional Control. Paper presented at the 43rd Annual Meeting of the *Society for Mathematical Psychology*, Portland, Oregon, August 8-10, 2010.

Levy, L., Yao, W., McGuire, G., Vollick, D., & Neufeld, R.W. J. (2010). "Hot Cognition" is Not Beyond the Reach of Formal Models: Higher-Dimensional Nonlinear Bifurcations Depict Psychological Stress and Coping. Paper presented at the 43rd Annual Meeting of the *Society for Mathematical Psychology*, Portland, Oregon, August 8-10, 2010.

Frewen, F. Dozois, D., Neufeld, R.W.J., & Lanius, R. (2010). Self-referential processing in women with PTSD related to childhood abuse: An fMRI study. Symposia Presentation at the *International Society for Traumatic Stress Studies 26th Annual Meeting*, November 4-6, 2010, Montreal, Quebec.

Reid, G.J., Stewart, S., Barwick, M., Cunningham, C.E., Carter, J., Evans, B., Leschied, A., Neufeld, R., St. Pierre, J., Tobon, J.I., & Vingilis, E. (2011). Drop-out and need for treatment among children using children's mental health agencies over multiple years. In G.J. Reid (Chair) Caring for children and youth with chronic mental health problems. Paper presented at the Annual Meeting of the *Canadian Psychological Association*, Toronto ON, June 2-4, 2011.

Neufeld, R. W. J. Quantitative cognitive science, and cognitive neuroimaging, of schizophrenia. Colloquium, *Department of Psychology, Dalhousie University*, April 1, 2011.

Neufeld, R. W. J. Quantitative cognitive science, and cognitive neuroimaging, of schizophrenia. Clinical-Science Colloquium, *Department of Psychology and Brain Sciences, Indiana University*, April 22, 2011.

Neufeld, R. W. J. Informal presentations of results from Neufeld lab on formal theory of stress-negotiation (game-theoretic and nonlinear-dynamical-systems developments), *Department of Psychology and Brain Sciences, Indiana University*, April 21-22, 2011.

Neufeld, R. W. J. Quantitative cognitive science, and cognitive neuroimaging, of schizophrenia. Keynote Address: *Japanese Psychological Association*, Tokyo, Japan, September 15, 2011.

Ford, K.A., Neufeld, R.W.J., Mitchell, D., Théberge, J., Williamson, P.C. & Osuch, E. Network of Functional Brain Activation Differentiate Unipolar Major Depressive Disorder and Bipolar Disorder, *Society for Biological Psychiatry Meeting*, Philadelphia, PA, May 3-5, 2012

Shanahan, M.J., Pawluk, E.J., Hong, R.Y., & Neufeld, R.W.J. (May 2012). Decisional-coping styles - Maximizing, satisficing, simplifying: Information processing and threat-reduction, threat-mitigation, or threat-acceptance. Poster presented at the *Association for Psychological Science* at the 24th Annual Convention, Chicago, Illinois.

Neufeld, R.W.J. Quantitative clinical cognitive science, cognitive neuroimaging, and tacks to fMRI signal analysis: The case of encoding deficit in schizophrenia. Paper presented at the 45th Annual Meeting of the *Society for Mathematical Psychology*, Columbus, Ohio, July 21-24, 2012.

Shanahan, M.J., Nguyen, P. & Neufeld, R.W.J. (2012). Coping with stress through decisional control: The mixture model side of a quasi game-theoretic account. Paper presented at the 45th Annual Meeting of the *Society for Mathematical Psychology*, Columbus, Ohio, July 21-24, 2012.

Reid, G.J., Stewart, S., Zaric, G.S., Carter, J., Neufeld, R.W.J., Tobon, J.I., Barwick, M., & Vingilis, E.R., (2013). Defining episodes of care in children's mental health using administrative data. Poster presented at the *26th Annual Children's Mental Health Research and Policy Conference*, Tampa, FL, March 3 - 6, 2013.

Neufeld, R. W. J. Clinical mathematical psychology: A tribute to James T. Townsend. Invited presentation at *Festschrift for James. T. Townsend*, Mathematical Models of Perception and Cognition, Indiana University, Bloomington In., April 27, 2013.

Neufeld, R. W. J. Monitoring Cognition-Related Treatment-Regimen Efficacy using Cognitive- and Statistical-Science Principled Measurement Technology. *Annual Summer Inter-disciplinary Conference in Cognitive Science*, Cortina, Italy, July 29, 2013.

Neufeld, R. W. J. : Monitoring Clinical Treatment Response using Cognitive- and Statistical-Science Principled Measurement Technology. *Society for Mathematical Psychology*, Potsdam, Germany, August 7, 2013.

MHSR 2014, the 22nd NIMH Conference on Mental Health Services Research, seeks to highlight scientific investigative efforts to improve population mental health through mental health services research in the context of a learning health care system. (See <http://www.iom.edu/Reports/2012/Best-Care-at-Lower-Cost-The-Path-to-Continuously-Learning-Health-Care-in-America.aspx> ). "

Neufeld, R.W.J. (2013). Mathematically disciplined analysis of Gestalt cognitive architecture in stress-prone and schizophrenia samples. Presented at the Configural Processing Consortium (CPC), November 16, York University.

Reid, G.J., Stewart, S.L., Barwick, M., Carter, J., Evans, B., Leschied, A., Neufeld, R., St. Pierre, J., Tobon, J., Vingilis, E., & Zaric, G. Patterns and predictors of children's mental health service use over multiple years. In dosReis, S. (Chair). *Novel methods for family-centered assessments of the gap between optimal and typical child mental health care*. Paper presented at the 22nd National Institute of Mental Health (NIMH) Conference on Mental Health Services Research: Research in Pursuit of a Learning Mental Health Care System, April 23-25, 2014, Bethesda, MD

R. Taylor, B. Schaefer, R. Neufeld, P. Williamson, J. Théberge. "Glutamatergic changes detected upon functional activation with a Stroop Task in healthy controls and in subjects with Schizophrenia" Proceedings from the International Society for Magnetic Resonance in Medicine 22. Milan, Italy. May 2014. Abstract #3780.

Richard W. J. Neufeld, Matthew J. Shanahan, Peter Nguyen. Decisional control: A normative model of cognition-intensive coping with stress. *Society for Mathematical Psychology*, Quebec city, July 21, 2014.

Penner, J. , Ford, K., Arcaro, J., Wammes, M., Neufeld, R.W.J., Mitchell, D., Théberge, J., Williamson, P., & Osuch, E. (2015). Neural circuitry underlying major depression and marijuana use: An emotion regulation fMRI task shows activation differences in dorsolateral and ventrolateral prefrontal cortex. Poster presented at the Biological psychiatry 70<sup>th</sup> Annual Meeting, May 14-16, 2015, Toronto, Ontario.

Boylan, G., Martin, R.A., & Neufeld, R.W.J. (2015). Quantitative analysis of related text: The novel combination of latent semantic analysis and multidimensional scaling. Canadian Psychological Association's 76th Annual Convention Ottawa, Ontario, June 4-6, 2015.

Taylor, R., Theberge, J., Williamson, P. & Neufeld, R. W. J. Modeling stroop performance in cognitive neuroimaging of schizophrenia: A case study of systems factorial technology in clinical science. Society for Mathematical Psychology, Newport Beach, Ca., July 17-21, 2015.

Cutler, C. D., & Neufeld, R. W. J. Addressing very short stimulus encoding times in modeling schizophrenia cognitive deficit. Society for Mathematical Psychology, Newport Beach, July 17-21, 2015

Reid, G.J. & Carter, J. with Stewart, S.L., Barwick, M., , Evans, B., Leschied, A., Neufeld, R., St. Pierre, J., Tobon, J., Vingilis, E., & Zaric, G. (2015, Nov) Mental health service use patterns by children and youth in Ontario. Workshop presented at the 2015 Children's Mental Health Ontario (CMHO) Conference, Toronto ON, 22-24 Nov 2015.

Nicholson, A.A., Rabellino, D., Densmore, M., Paret, C., Neufeld, R., Schmahl, C., Lanius, R. (2015, November). Amygdala down-regulation using real time fmri in posttraumatic stress disorder. Neuropsychopharmacology Annual Meeting, Florida.

Reid, G.J., Stewart, S.L., Barwick, M., Carter, J., Evans, B., Leschied, A., Neufeld, R., St. Pierre, J., Tobon, J., Vingilis, E., & Zaric, G. (2015, Aug) Predicting and understanding patterns of service utilization within children's mental health agencies. In Problems, Preferences, Service Use and Outcomes: Children's Mental Health Services in Canada. G. Reid (Chair) Symposium presented at the American Psychological Association meeting, Toronto Ontario, 7 Aug 2015.

Neufeld, R. W. J., Shanahan, M. J., & Grant, B. (June, 2016) Stochastic modeling of stress effects on basic information processing. Paper presented at Meetings of the European Mathematical Psychology Group, Copenhagen, Denmark.

Neufeld, R. W. J., Shanahan, M. J., & Grant, B. (August, 2016). Stochastic modeling of stress effects on rudimentary information processing. Presented at Meetings of the Society for Mathematical Psychology, New Brunswick, N.J.

Shanahan, Matthew J., Grant, Bryan, and Neufeld, Richard W.J. (2016). Bayesian Excursions in Decisional Control: A Hierarchical Decision-Making Mixture Model. Presented at Meetings of the Society for Mathematical Psychology, New Brunswick, N.J.



**Student Supervision:****Chief Advisor:**

**Ph.D.:** K. Benn, K. Boksman, M. Broga, J. Carter, C. Cutler, D. Dobson, L. George, B. Jessup, J. Jetté, M. Lees, K. Lefave, L. Levy, R. Ludwick-Rosenthal (*Award for the year's (1993) best published dissertation in clinical psychology by the Society for a Science of Clinical Psychology*), M. Morrison, K. Mothersill, I. Nicholson, W. Nielson, R. Paterson, M. Shanahan., D. Vollick

**M.A.:** K. Benn, K. Boksman (*Awarded the Leola Neale Award for Best M.Sc. thesis in 2000*), M. Broga, J. Carter, D. Dobson, C. Cutler, K. Dobson, L. George, H. Herzog, B. Grant, S. Highgate, B. Jessup, J. Jetté, M. Kukde, K. Lefave, L. Levy, R. Ludwick-Rosenthal, E. Luopa, T. McCarty, R. Paterson, M. Shanahan (*Richard Harshman Award for Studies in the Philosophy of Science or Statistical Methods*), D. Vollick, P. Thomas

**4th-year Honors:** Among others, J. Chatman (*Awarded W.J. McClelland Award for the Best Honors B. Sc. Psychology Thesis in 1999*)

**Research-Project Sponsor:** National Science and Engineering Research Council University-Research-Fellowship Program (The Cognitive Side of Oculomotor Anomalies; conducted by Dr. Jennifer Mather)

**Supervision of Preparation for Registration with the Ontario Board of Examiners in Psychology:**  
Dr. Joan Olinger; Dr. Ross Norman

**Mentor:** National Alliance for Research on Schizophrenia and Depression, Young Investigator Award: "Information processing and cognitive organization in major depression: The impact of cognitive-behavioral therapy" awarded to Dr. David Dozois in 2004.

New-Faculty Research Mentor, Department of Psychiatry, University of Western Ontario, 2008.

SSHRC post-doctoral fellow: Dr. Etienne Lebel, 2011-2013.

**Other Scholarly Activities:****Grant Application Appraisal:**

Alberta Mental Health Advisory  
 British Medical research council  
 British Columbia Health Sciences and Research  
 Fund  
 Canada Council  
 Canadian Institute of Health Research  
 Dutch Research Council  
 KU Leuven Research Council, Belgium.  
 Manitoba Health Resources Research Council  
 Medical Research Council of Canada  
 Quebec Research Foundation

Research Council K.U.Leuven  
 Research Foundation, Flanders  
 Social Sciences and Humanities Research  
 Council  
 National Research Council of Canada  
 National Health & Research Developmental  
 Program  
 National Science and Engineering Research  
 Council of Canada (NSERC), including Canadian  
 Foundation for Innovation  
 Ontario Mental Health Foundation  
 Wellcome Trust, U.K.

Consulting Editor:

Austin Journal of Neuropsychiatry and Clinical Neuroscience  
 Frontiers in Quantitative Psychology and Measurement (Review Editor).  
 Journal of Mathematical Psychology  
 Psychiatry Journal  
 Psychological Assessment  
 World Journal of Methodology  
 World Journal of Psychiatry

McGraw-Hill Book Company

Editorial Consultant:

Archives of General Psychiatry  
 Austin Journal of Neuropsychiatry & Clinical  
 Neurosciences  
 Behavioral Assessment  
 Biological Psychiatry  
 British Journal of Psychology  
 Canadian Journal of Behavioural Science  
 Canadian Psychology  
 Cognition and Emotion  
 Cognitive Research and Therapy  
 Current Trends in Psychological Science  
 Emotion  
 Journal of Abnormal Psychology  
 Journal of Consulting and Clinical Psychology  
 Journal of Discrete Dynamics in Nature and  
 Society  
 Journal of Mathematical Psychology  
 Journal of Nervous and Mental Disease  
 Journal of Personality  
 Journal of Personality and Social Psychology  
 Journal of Psychiatry and Neuroscience  
 Mathematical Social Sciences

Mellin Publishing  
 Nonlinear Dynamics in Psychological Life  
 Sciences  
 Pain  
 Perceptual & Motor Skills  
 Personality & Social Psychology Bulletin  
 Physics Letters A  
 PLOS ONE: Computational Biology  
 Psychiatry & Neuroscience  
 Psychiatry Research  
 Psychological Assessment  
 Psychological Bulletin  
 Psychological Reports  
 Psychonomic Bulletin and Review  
 Psychophysiology  
 Quarterly Journal of Experimental Psychology  
 Schizophrenia Bulletin  
 Schizophrenia Research  
 Scott-Forsman Publishing Company

John Wiley & Sons

**Promotion/Tenure External Assessor:**

Chapman University  
Dalhousie University  
Indiana University  
McGill University  
McMaster University  
University of British Columbia

University of California, San Diego  
University of New England, Australia  
University of Toronto  
University of Waterloo  
University of North Texas  
Yale University

**Award Consultant**

Distinguished Professorship, Indiana University  
Clinical Scientist: Medical Research Council, U.K.

**Graduate-Thesis External Examiner:**

Concordia University  
Lakehead University  
University of Calgary

University of Newcastle, Au.  
University of Toronto

**Research Program Evaluation:**

“Evaluation of Research Program”: Department of Psychiatry, University of Western Ontario, 2008.

**Research Consultant:**

Department of Psychiatry, St. Joseph's Hospital, London, Ontario (General)  
Department of Psychiatry, University Hospital, London, Ontario (General)  
Victoria Hospital, London, Ontario (General)  
Department of Psychiatry, Yale University; methods of model selection

**Advisory Board Member:**

Division of Social and Rural Psychiatry, Department of Psychiatry, University of Western Ontario.

**Special Editorial Consultant**

Methodology Consultant. Measuring effects of pharmacological and other treatments on cognitive efficiency in schizophrenia. CNTRCS project on assessment of psychotropic pharmaceuticals.

**Participant**

Dysregulation as a theme in post-traumatic stress disorder; “Think Tank”. Boston, June 2008.  
Sponsored by ANS Research Ltd., and Boston University (Invited)

**Courses Taught:**

**Undergraduate:**

Behavior Modification  
Psychology of Adjustment  
Abnormal Psychology  
Tests and Measurement  
Psychological Research & Statistical  
Methods

**Graduate:**

Adult Psychopathology  
Advanced Research Methods in Psychopathology  
Psychotherapy Research (Outcomes and Processes)  
Mathematical Methods in Applied Cognitive Psychology  
Quantitative Clinical Cognitive Science  
Clinical Assessment

Psychological Stress  
Schizophrenia