

CONTACT

HOME:

2005 Convent Pl, unit 2, Nashville TN 37212
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WORK:

Postdoctoral Research Associate (Dr. Gordon Logan)
Department of Psychology, Vanderbilt University
Rm. 631, Wilson Hall, 111 21st avenue, Nashville, TN, 37240
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CITIZENSHIP:

Canadian, currently residing in the USA

EDUCATION

McMaster University; **Ph.D. Psychology** (2002-2007) (Dr. Bruce Milliken)
University of Lethbridge; **B.Sc. Psychology Hon.** (1999-2002) (Dr. John Vokey)
University of Alberta; 1st Year Engineering (1998-1999)

PUBLICATIONS – PEER REVIEWED

IN PRESS

Crump, M. J. C., & Logan, G. D. (Accepted). Warning, this keyboard will deconstruct: The role of the keyboard in skilled typewriting. Under review at *Psychonomic Bulletin & Review*.

Crump, M. J. C., & Logan, G. D. (In press). Hierarchical control and skilled typing: Evidence for word level control over the execution of individual keystrokes. *Journal of Experimental Psychology: Learning, Memory & Cognition*.

Crump, M. J. C., & Logan, G. D. (In press). Episodic contributions to sequential control: Learning from a typists touch. *Journal of Experimental Psychology: Human Perception and Performance*.

Liu, X., **Crump, M. J. C.**, & Logan, G. D. (Accepted). Do you know where your fingers have been? Explicit knowledge of the spatial layout of the keyboard in skilled typists. *Memory & Cognition*.

2009

Logan, G. D., & **Crump, M. J. C.** (2009). The left hand doesn't know what the right hand is doing: The disruptive effects of attention to the hands in skilled typewriting. *Psychological Science*, 20, 1296-1300.

Crump, M. J. C., & Milliken, B. (2009). The flexibility of context-specific control: Evidence for context-driven generalization of item-specific control settings. *Quarterly Journal of Experimental Psychology*, 62, 1523-1532.

Siegel, S., Allan, L. G., Hannah, S. D., & **Crump, M. J. C.** (2009). Applying signal detection theory to contingency assessment. *Comparative Cognition & Behavior Reviews*, 4, 116-134.

Hannah, S. D., **Crump, M. J. C.**, Allan, L. G., & Siegel, S. (2009). Cue-interaction effects in contingency judgments using the streamed-trials procedure. *Canadian Journal of Experimental Psychology*, 63, 103-112.

2008

Leboe, J. P., Wong, J., **Crump M. J. C.**, & Stobbe, K. (2008). Probe-specific proportion task repetition effects on switching costs. *Perception & Psychophysics*, 70, 935-945.

Allan, L. G., Hannah, S. D., **Crump, M. J. C.**, Siegel, S. (2008). The psychophysics of contingency assessment. *Journal of Experimental Psychology: General*, 137, 226-243.

Crump, M. J. C., Milliken, B., & Ansari, I. (2008). Shifting views on the symbolic cueing effect: Cueing attention through previous experience. *Psicologica*, 29, 97-114.

Crump, M. J. C., Vaquero, J. M. M., & Milliken, B. (2008). Context-specific learning and control: The role of awareness, task-relevance, and relative salience. *Consciousness & Cognition*, 17, 22-36.

2007

Crump, M. J. C., Hannah, S. D., Allan, L. G., & Hord, L. K. (2007). Contingency judgments on the fly. *Quarterly Journal of Experimental Psychology*, 60, 753-761.

Schmidt, J., **Crump, M. J. C.**, Cheesman, J., & Besner, D. (2007). Contingency learning without awareness: Evidence for implicit control. *Consciousness & Cognition*, 16, 421-435.

2006

Crump, M. J. C., Gong, Z., & Milliken, B. (2006). The context-specific proportion congruent effect: Location as a contextual cue. *Psychonomic Bulletin & Review*, 13, 316-321.

PUBLICATIONS – NON-PEER REVIEWED

Allan, L. G., Hannah, S. D., **Crump, M. J. C.**, & Siegel, S. (2008). More on the psychophysics of contingency assessment. In Schneider, B. A., Ben-David, B. M., Parker, S., & Wong, W. (Eds.), Proceedings of the 24th Annual Meeting of the International Society for Psychophysics. Toronto, Canada.

Allan, L. G., Hannah, S. D., **Crump, M. J. C.**, & Siegel, S. (2006). Psychophysics of causality: Detecting contingencies is like detecting signals (pp. 57-68). In D. E. Kornbrot, R. M. Msetfi, & A. W. MacRae (Eds.), Proceedings of the 22nd annual

meeting of the international Society for Psychophysics. St Albans, England.

Crump, M. J. C. (2008). Mmm that looks tasty. In Shore, D. I. (ed.) *The Multisensory Mind*. *McMaster University Press*.

SUBMITTED FOR PUBLICATION

Jamieson, R. K., Hannah, S. D., & **Crump, M. J. C.**, (Invited revision, revising) Episodic memory and classical conditioning. Under review at *Learning & Behavior*.

PRESENTATIONS

CONFERENCE TALKS

Crump, M. J. C., & Milliken, B. (2008). Context-sensitive control over attentional orienting. XXIX International Congress of Psychology, Berlin, Germany.

Crump, M. J. C., & Logan, G. D. (2008). Instance-based contributions to serial-ordering during online performance: Insight from skilled typing. CSBBBCS 2008, London, ON, Canada.

Crump, M. J. C., Hannah, S. D., Allan, L., & Siegel, S. (2007). Probing the stream: Flexible and robust representations support contingency knowledge in the streamed-trials procedure. CSBBBCS 2007, Victoria, British Columbia, Canada.

Crump, M. J. C., Vaquero, J. M. M., & Milliken, B. (2006). Retrospective control and implicit learning: The role of task-relevance BBCS 2006, Saskatoon, Saskatchewan, Canada.

Crump, M. J. C., Gong, Z., & Milliken, B. (2005). Location as a contextual cue for the item-specific proportion congruent Stroop effect: Evidence for stimulus-driven control? European Society for Cognitive Psychology, 2005, Leiden, The Netherlands.

Crump, M. J. C., Gong, Z., & Milliken, B. (2005). Location cues to proportion congruent can modulate the Stroop effect: Evidence for stimulus-driven control? BBCS 2005, Montreal, Quebec, Canada.

OTHER TALKS

Crump, M. J. C. (2009). Levels of contextual control: A task-switching analysis. Summer workshop on Attention and Performance. McMaster University, Hamilton, ON, June 18-19, 2009.

Crump, M. J. C. (2008). Contingency assessment on the fly: Developing the streamed-trials procedures as a tool to understand contingency assessment and causal learning. Vanderbilt University, Nashville, TN, USA.

Crump, M. J. C. (2006). When the mind moves backwards in time: Retrospective integration and flexibility during online performance. *Cognition and Perception*

Seminar, Department of Psychology, McMaster University, Hamilton, ON Canada.

Crump, M. J. C. (2005). Frequency-based judgments of contingency are not biased by outcome density. Department of Psychology, Neuroscience & Behaviour, McMaster University, In-house Conference, Hamilton, ON, Canada.

Crump, M. J. C. (2005). Stimulus-driven control: Can response-conflict control its own resolution? Cognition and Perception Seminar, Department of Psychology, McMaster University, Hamilton, ON, Canada.

POSTERS

Crump, M. J. C., (2008). Probing processes and representations underlying sequential control: Insights from skilled typing. Psychonomics, Chicago, US.

Crump, M. J. C., Thomson, S., MacLellan, E. K., & Milliken, B. (2005). Stimulus-driven cognitive control: Abstract task-set selection or episodic retrieval? Psychonomics 2005, Toronto, ON, Canada.

Crump, M. J. C., Allan, L. G., & Hannah, S. (2005). Frequency-based judgments of contingency are not biased by outcome density. Banff Annual Seminar in Cognitive Sciences (BASICS), Banff, AB, Canada.

Crump, M. J. C., Ansari, I., MacLellan, E. K., and Milliken, B. (2004). How do symbolic cues shift attention? Investigating the role of object completion in the visual cueing paradigm. BCS 2004, St John's, Newfoundland, Canada.

Crump, M. J. C. & Vokey, J. R. (2002). A principal components approach to the perception of musical style. Banff Annual Seminar in Cognitive Science (BASICS), Banff, AB, Canada.

CONTRIBUTED TALKS

Jamieson, R. K., **Crump, M. J. C.**, & Hannah, S. D. (2009). An exemplar-based account of classical conditioning. Invited talk given at the President's Symposium at the joint Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science and the Experimental Psychology Society, University of York, York, U. K.

Jamieson, R., **Crump, M. J. C.**, & Hannah, S. D. (2008). Modeling retrospective reevaluation with a theory of human memory. CSBBCS 2008, London, ON, Canada.

Hannah, S. D., **Crump, M. J. C.**, Young, M., Allan, L., & Siegel, S. (2008). Age differences in cue interaction tasks. CSBBCS 2008, London, ON, Canada.

Hannah, S. D., **Crump, M. J. C.**, Allan, L., & Siegel, S. (2007). Blocking the stream. Cue-interaction effects in contingency judgments using the streamed-trials procedure. CSBBCS 2007, Victoria, British Columbia, Canada.

Allan, L., Siegel, S., Hannah, S., **Crump, M. J. C.** (2007). Merging associative and signal-detection accounts of contingency assessment. CSBBCS 2007, Victoria, British Columbia, Canada.

Jamieson, R., Hannah, S., & **Crump, M. J. C.** (2007). An episodic memory

approach to associative learning. CSBBBCS 2007, Victoria, BC, Canada.

Allan, L., Hannah, S., **Crump, M. J. C.**, & Siegel, S. (2006). The psychophysics of contingency. Paper presented at BBCS 2006, Saskatoon, Saskatchewan, Canada.

CONTRIBUTED POSTERS

Schimdt, J. R., **Crump, M. J. C.**, Cheesman, J., Besner, D. (2006). Contingency learning without awareness: Evidence for implicit control. Poster presented at BBCS 200, Saskatoon, Saskatchewan, Canada.

Wong, J., Stobbe, K., **Crump, M. J. C.**, & Leboe, J. (2006). Item-specific control on task-switch costs. Paper presented at BBCS 2006, Saskatoon, Saskatchewan, Canada.

LECTURESHIPS

MCMASTER UNIVERSITY, DEPARTMENT OF PSYCHOLOGY,
NEUROSCIENCE AND BEHAVIOUR

Psychology 2H03e: Human Learning & Cognition (April 2007)

Psychology 2H03e: Human Learning & Cognition (June 2005)

Psychology 2RR3: Research Design & Statistics for Psychologists (June 2004)

TEACHER ASSISTANTSHIPS

MCMASTER UNIVERSITY, DEPARTMENT OF PSYCHOLOGY,
NEUROSCIENCE AND BEHAVIOUR

2007 Psychology 3V03: Laboratory in Human Memory & Cognition

2006 Psychology 4D09/4D06: Honor's Thesis Course

Psychology 3J03: Inquiry in Psychology

Psychology 3V03: Laboratory in Human Memory & Cognition

2005 Psychology 4D09/4D06: Honor's Thesis Course

Psychology 3M03: Motivation and Emotion

Psychology 2RR3: Research Design and Statistics for Psychologists

2004 Psychology 2RR3: Research Design and Statistics for Psychologists

Psychology 2RR3: Research Design and Statistics for Psychologists

2003 Psychology 3WW3: Neural Computation

Psychology 3HH3: Development During Infancy

2002 Psychology 2EO3e: Sensory Processes

UNIVERSITY OF LETHBRIDGE, DEPARTMENT OF PSYCHOLOGY AND
NEUROSCIENCE

2002 Psychology 2030: Methods and Statistic

SCHOLARLY AND PROFESSIONAL ACTIVITIES

REVIEWER

Acta Psychologica
Canadian Journal of Experimental Psychology
Cognitive Psychology
Connection Science
Consciousness & Cognition
Journal of Experimental Psychology: Human Perception & Performance
Psychological Research
Quarterly Journal of Experimental Psychology

PROFESSIONAL AFFILIATIONS

Member: Canadian Society for Brain, Behaviour, & Cognitive Science
Associate Member: Psychonomic Society

HONOURS

NSERC PGS-D; Graduate student scholarship (2005 to present)
Ontario Graduate Student Scholarship (declined 2005)
Department of Psychology Scholarship (2004 to 2005)
Ontario Graduate Student Scholarship (2003 to 2004)
Department of Psychology Scholarship (2002 to 2003)
All awards held at the Department of Psychology, Neuroscience & Behaviour,
McMaster University

PROGRAMMING SKILLS

METACARD, MATLAB

REFEREE CONTACT INFORMATION

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