**Nicholaus P. Brosowsky**

4303 James Hall, Brooklyn College

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Brooklyn, NY 11210

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**Research Areas of Interest**

Cognitive control, attention, memory, skill learning, and music cognition

**Education**

2014-2019 The Graduate Center, City University of New York

Expected: Ph.D. in Psychology – Cognition, Language, and Development

2012-2014 University of Manitoba (Winnipeg, MB Canada)

M.A. in Psychology – Brain and Cognitive Sciences

Thesis: Attentional capture by sound disappearance (2014)

2009-2012 University of Manitoba (Winnipeg, MB Canada)

B.A. (Honours) in Psychology

Thesis: The scale illusion revisited: musical expertise and hidden melody recognition (2012)

**Awards, Distinctions and Fellowships**

2018 **University Fellowship Award**, The Graduate Center, CUNY

2018 **Doctoral Student Research Grant**, The Graduate Center, CUNY

2018-2019 **Writing Across the Curriculum Fellowship**, The Graduate Center, CUNY

2017 **Scholarship of Teaching and Learning Research Grant,** The Society for the Teaching of Psychology

2017 **Psychology Travel Award**, The Graduate Center, CUNY

2016 **Doctoral Student Research Grant**, The Graduate Center, CUNY

2014-2019 **Graduate Center Fellowship**, CUNY Graduate Center

2013-2014 **Alexander Graham Bell Graduate Scholarship Award**, National Sciences and Engineering Research Council of Canada

**Awards, Distinctions and Fellowships (continued)**

* 1. **University of Manitoba Graduate Fellowship**, University of Manitoba

2012 **Canadian Psychological Association: Certificate of Academic Excellence**

2012 **The Ten Have Research Award**, University of Manitoba

The Ten Have Award is awarded annually to the student in 4th year honours whose thesis is judged to be the most outstanding that year.

2011 **Psychology Undergraduate Research Experience (PURE) Award**, University of Manitoba

Includes funding for 4 months of full-time employment in a laboratory under direct supervision of a Psychology faculty member.

**Publications**

**Brosowsky, N.P.** &Crump, M.J.C. (under review), Contextual recruitment of selective attention can be updated via changes in task-relevance. *Preprint,* https://psyarxiv.com/43tj7/.

Crump, M.J.C., Lai, W., & **Brosowsky, N.P.** (under review), Instance theory predicts information theory: Episodic uncertainty as a determinant of keystroke dynamics. *Preprint,* https://psyarxiv.com/keufc/.

**Brosowsky N.P.**, & Crump, M.J.C. (2018), Memory-guided selective attention: Single experiences with conflict have long-lasting effects on cognitive control. *Journal of Experimental Psychology: General. 147(8), 1134-1153.*

Alards-Tomalin, D., **Brosowsky, N.P.** & Mondor, T.A. (2017), Auditory statistical learning: Predictive frequency information affects the deployment of contextually-mediated attentional resources. Journal of Cognitive Psychology, 29(8), 977-987.

**Brosowsky N.P.**, & Parshina, O. (2017), Using the QALMRI Method to Scaffold Reading of Primary Sources in A. Schwartz, C. Shane-Simpson, P.J. Brooks, & R. Obeid (Eds.) How We Teach Now: The GSTA Guide to Student-Centered Teaching (pp. 311-328). Retrieved from the Society for the Teaching of Psychology web site: <http://teachpsych.org/ebooks/>

Crump, M.J.C., **Brosowsky N.P.**, & Milliken, B. (2017), Reproducing the location-based context-specific proportion congruent effect for frequency unbiased items: A reply to Hutcheon & Spieler (2016). Quarterly Journal of Experimental Psychology, 70(9), 1792-1807.

**Brosowsky N.P.**, & Crump, M.J.C. (2016), Context-specific attentional sampling: Intentional control as pre-requisite for contextual control. Consciousness and Cognition, 44, 146-160.

**Brosowsky N.P.**, & Mondor, T.A. (2016), Multistable perception of ambiguous melodies and the role of musical expertise. The Journal of the Acoustical Society of America, 140(2), 866-877.

**Brosowsky, N.P.,** & Mondor, T.A. (2014). Attentional capture by sound disappearance. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1946-1951). Austin, TX: Cognitive Science Society.

**Presentations**

**Brosowsky, N.P.**& Crump, M.J.C. (November 2018), *You should hate this movie! Detecting concealed attitudes of online persuaders.* Poster presented at the 59th annual meeting of the Psychonomic Society, New Orleans, LA.

Crump, M.J.C. (chair) & **Brosowsky, N.P.** (November 2018), Instances and information: An instance theory account of sensitivity to uncertainty in natural text production. In, *Language I*, The 48th Annual Meeting of The Society for Computers in Psychology, New Orleans, LA.

**Brosowsky, N.P.** & Crump, M.J.C. (November 2017), Same context, different control: Flexibly shifting between context-specific control settings. Poster presented at the 58th annual meeting of the Psychonomic Society, Vancouver, BC, Canada.

**Brosowsky N.P.** & Crump, M.J.C. (March 2017), Learning to selectively ignore distracting information. Poster presented at the 2017 annual meeting of the Eastern Psychological Association, Boston, MA.

**Brosowsky N.P.** & Crump, M.J.C. (November 2016), Long(er)-term item-specific Gratton effects. Poster presented at the 57th annual meeting of the Psychonomic Society, Boston, MA.

**Brosowsky N.P.**, Behmer, L.P. & Crump, M.J.C. (May 2016), How typists talk to their fingers: Evidence for word-level verbal control of skilled action sequences. Poster presented at International Meeting of the Psychonomic Society, Granada, Spain.

Crump, M.J.C. & **Brosowsky N.P.** (May 2016), Context-Specific Proportion Congruent Effects for Frequency Unbiased Items: Novel Extensions and Analyses of Reproducibility. Poster presented at International Meeting of the Psychonomic Society, Granada, Spain.

**Brosowsky N.P.**, & Crump, M.J.C. (March 2016), Contextual control over stimulus-response sets. Poster presented at the 2016 annual meeting of the Eastern Psychological Association, New York, NY.

**Brosowsky N.P.**, & Crump, M.J.C. (November 2015), Contextual control of attentional sampling: Exploring the role of volition. Poster presented at the 56th annual meeting of the Psychonomic Society, Chicago, IL.

**Brosowsky N.P.**, & Crump, M.J.C. (March 2015), Stimulus-driven attentional cuing of attentional control settings: Evidence for generalization of item-specific control in a Flanker task. In Kelly Doedert (chair) in *Cognitive papers: Attention and Perception.* The 2015 annual meeting of the Eastern Psychological Association, Philadelphia, PA.

**Brosowsky N.P.** & Mondor, T.A. (July 2014). Attentional capture by sound disappearance. Poster presented at 36th Annual Conference of the Cognitive Science Society, Quebec City, QC, Canada.

**Brosowsky N.P.**& Mondor, T.A. (November 2012). The scale illusion revisited: Hidden melody recognition and musical expertise. Poster presented at the annual meeting of the Auditory Perception Cognition and Action, Minneapolis, MN.

**Research Experience**

2014-2019 Human Performance and Cognition Laboratory, Dr. Matt Cump

Brooklyn College, CUNY

* 1. Auditory Perception and Cognition Laboratory, Dr. Todd Mondor

University of Manitoba

2011-2012 Research Assistant, Auditory Perception and Cognition Laboratory, Dr.

Todd Mondor

University of Manitoba

**Teaching Experience**

2018 Adjunct Instructor, Cognitive Psychology

Brooklyn College, CUNY

2017-2018 Adjunct Instructor, Experimental Psychology

Brooklyn College, CUNY

2017 Adjunct Instructor, Cognitive Psychology

Brooklyn College, CUNY

2015-2016 Adjunct Instructor, Experimental Psychology

Brooklyn College, CUNY

2014-2015 Adjunct Instructor, Experimental Psychology

Brooklyn College, CUNY

2014 Adjunct Instructor, Introduction to Psychology

University of Manitoba

* 1. Lab Instructor, Measurement and Assessment (3rd year undergraduate statistics)

University of Manitoba

* 1. Teaching Assistant, Introduction to Psychology

University of Manitoba

2012-2013 Grader/Marker, Research in Cognitive Psychology

University of Manitoba

2001-2014 Private Music Instructor, Winnipeg, MB

**Professional Development**

2016 **The Scholarship of Teaching and Learning Writing Workshop**  
Society for the Teaching of Psychology   
Decatur, GA

2016 **15th Neural Computation and Psychology Workshop**   
Contemporary Neural Network Models: Machine Learning, Artificial Intelligence, and Cognition   
Philadelphia, PA

**Technical Skills**

Data Analysis: R, Matlab/GNU Octave, SPSS, JASP, Python

Experimental Design: HTML/Javascript/CSS, LiveCode, E-Prime, PsychoPy

Front-End Web Development: HTML, Javascript, CSS

Other: Adobe Audition, Adobe Photoshop, Adobe Illustrator

**Peer Review**

Behavior Research Methods

Canadian Journal of Experimental Psychology/Revue canadienne de psychologie expérimentale

Experimental Psychology

Journal of Experimental Child Psychology

Perceptual and Motor Skills

Quarterly Journal of Experimental Psychology

**Academic References**

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| **Dr. Matthew Crump**  Associate Professor  Brooklyn College, CUNY Phone: 718.951.5000 x6068  Email: mcrump@brooklyn.cuny.edu |
| **Dr. Todd Mondor**  Vice Provost (Graduate Education)  Dean (Faculty of Graduate Studies) Professor  University of Manitoba Phone: 204.474.9887  Email: todd.mondor@ad.umanitoba |
| **Dr. Randall Jamieson**  **Professor**  **University of Manitoba**  **Phone:** 204.474.7837  Email: randy.jamieson@umanitoba.ca |
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