

Nicholaus P. Brosowsky

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Research Areas of Interest

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

Education

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| 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

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| 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 |
| 2012-2013 | 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

- 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-	Human Performance and Cognition Laboratory, Dr. Matt Cump Brooklyn College, CUNY
2012-2014	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
2014-2017	Adjunct Instructor, Experimental Psychology Brooklyn College, CUNY
2015	Adjunct Instructor, Introduction to Psychology University of Manitoba
2014-2015	Lab Instructor, Measurement and Assessment (3 rd year undergraduate statistics) University of Manitoba
2012-2013	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
Experimental Design:	HTML/Javascript/CSS, LiveCode, E-Prime, PsychoPy
Front-End Web Development:	HTML, Javascript, CSS
Other:	Adobe Audition, Adobe Photoshop, Adobe Illustrator

Academic References

Dr. Matthew Crump
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Dr. Elizabeth Chua
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Dr. Todd Mondor
Vice Provost (Graduate Education)
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