

Nicholaus P. Brosowsky

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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)

- 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

- 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-Tomalín, 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 prerequisite 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
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
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
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, 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. Todd Mondor
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