

## Nicholaus P. Brosowsky

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### Research Areas of Interest

Human learning, memory, attention, skill learning, and music cognition

### Education

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| 2014-2019 | The Graduate Center, City University of New York<br>Expected: Ph.D. in Psychology – Cognition, Language, and Development   |
| 2012-2014 | University of Manitoba (Winnipeg, MB Canada)<br>M.A. in Psychology – Brain and Cognitive Sciences<br>Thesis: Attentional capture by sound disappearance (2014)               |
| 2009-2012 | University of Manitoba (Winnipeg, MB Canada)<br>B.A. (Honours) in Psychology<br>Thesis: The scale illusion revisited: musical expertise and hidden melody recognition (2012) |

### Awards, Distinctions and Fellowships

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| 2018-2019 | <b>Writing Across the Curriculum Fellowship</b> , The Graduate Center, CUNY   |
| 2017      | <b>Scholarship of Teaching and Learning Research Grant</b> , The Society for the Teaching of Psychology   |
| 2017      | <b>Psychology Travel Award</b> , The Graduate Center, CUNY  |
| 2014-2019 | <b>Graduate Center Fellowship</b> , CUNY Graduate Center  |
| 2013-2014 | <b>Alexander Graham Bell Graduate Scholarship Award</b> , National Sciences and Engineering Research Council of Canada  |
| 2012-2013 | <b>University of Manitoba Graduate Fellowship</b> , University of Manitoba  |
| 2012      | <b>Canadian Psychological Association: Certificate of Academic Excellence</b>   |
| 2012      | <b>The Ten Have Research Award</b> , University of Manitoba<br>The Ten Have Award is awarded annually to the student in 4 <sup>th</sup> 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

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- 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

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- 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. Symposium conducted at 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

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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

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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<sup>rd</sup> 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

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- 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

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- 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**

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Dr. Matthew Crump  
Associate Professor  
Brooklyn College, CUNY  
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Dr. Elizabeth Chua  
Assistant Professor  
Brooklyn College, CUNY  
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Dr. Todd Mondor  
Vice Provost (Graduate Education)  
Dean (Faculty of Graduate Studies)  
Professor  
University of Manitoba  
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