

JONATHAN WILBIKS

Curriculum vitae

Department of Psychology
University of New Brunswick
100 Tucker Park Road
Saint John, NB E2L 4L5

PROFESSIONAL APPOINTMENTS

- 2018- Assistant Professor
University of New Brunswick – Saint John, Department of Psychology
- 2016-2018 Margaret and Wallace McCain Postdoctoral Fellow
Mount Allison University, Department of Psychology
- 2013-2016 Contract Lecturer
Ryerson University, Department of Psychology

EDUCATION

- 2016 Ph.D. Psychology
Ryerson University, Department of Psychology
- 2012 M.A. Psychology
Ryerson University, Department of Psychology
- 2010 M.A. Psychology of Music
University of Sheffield, Department of Music
- 2008 H.B.Sc. Psychology
University of Toronto, Faculty of Arts and Sciences

PUBLICATIONS

Refereed Journal Articles

- 2018 Wilbiks, J. M. P., & Hutchins, S. (2018). Musical training improves memory for instrumental music, but not vocal music or words. *Psychology of Music*. Advanced online publication. doi: 10.1177/0305735618785452

- 2018 Wilbiks, J. M. P. (2018). Effects of temporal distribution on utility of temporal factors in competitive audio-visual perceived synchrony. *Multisensory Research*, *31*, 579-593.
- 2018 Wilbiks, J. M. P., & Dyson, B. J. (2018). The contribution of perceptual factors and training on varying audio-visual integration capacity. *Journal of Experimental Psychology: Human Perception and Performance*, *44*(6), 871-884.
- 2016 Wilbiks, J. M. P., Vuvan, D. T., Girard, P-Y., Peretz, I., & Russo, F. A. (2016). Effects of vocal training in a musicophile with congenital amusia. *Neurocase*, *22*(6), 526-537.
- 2016 Wilbiks, J. M. P., & Dyson, B. J. (2016). The dynamics and neural correlates of audio-visual integration capacity as determined by temporal unpredictability, proactive interference, and SOA. *PLoS ONE* *11*(12), e0168304.
- 2016 Dyson, B. J., Wilbiks, J. M. P., Sandhu, R., Papanicolaou, G., & Lintag, J. (2016). Negative outcomes evoke cyclic irrational decisions in Rock, Paper, Scissors. *Scientific Reports*, *6*, 20479.
- 2013 Wilbiks, J. M. P., & Dyson, B. J. (2013). Effects of temporal asynchrony and stimulus magnitude on competitive audio-visual binding. *Attention, Perception, and Psychophysics*, *75*, 1883-1891.
- 2013 Wilbiks, J. M. P., & Dyson, B. J. (2013). The influence of previous environmental history on audio-visual binding occurs during visual-privileged but not auditory-privileged environments. *Multisensory Research*, *26*, 561-568.

Manuscripts in Submission

Wilbiks, J. M. P., Pavilanis, A. D. S., & Rioux, D. M. (under revision). Audiovisual integration capacity modulates as a function of visual display circumference, tone type, and illusory visual connections. *Manuscript under revision for Attention, Perception, & Psychophysics*.

Klapman, S. F., Munn, J. T., & Wilbiks, J. M. P. (in preparation). Investigating audiovisual elements of the vertical and horizontal SMARC effect. *Manuscript revision in preparation*.

Pearson, H. C. & Wilbiks, J. M. P. (in preparation). Audiovisual memory cues facilitate verbal recall. *Manuscript revision in preparation*.

Manuscripts in Preparation

Wilbiks, J. M. P. (in preparation). Individual differences in attentional orienting, vigilance, and multiple object tracking predict the capacity of audiovisual integration.

AWARDS AND HONOURS

- 2016 Doctoral Completion Award
Ryerson University, Yeates School of Graduate Studies
- 2014 IMRF Student Talk Award
International Multisensory Research Forum
- 2011 Estonian Foundation of Canada Scholarship
Estonian Foundation of Canada
- 2008 Canada Sheffield Scholarship
University of Sheffield
- 2008 Estonian Foundation of Canada Scholarship
Estonian Foundation of Canada

GRANTS AND FUNDING

- 2016-2018 Margaret and Wallace McCain Postdoctoral Fellowship
Mount Allison University
- 2015-2016 Ryerson Graduate Fellowship
Ryerson University, Yeates School of Graduate Studies
- 2014-2015 Ontario Graduate Scholarship
Ontario Ministry of Training, Colleges, and Universities
- 2010-2014 Ryerson Graduate Award
Ryerson University, Yeates School of Graduate Studies

INVITED TALKS

- 2018 *How music shapes the mind: Benefits of experience and costs of deprivation.*
Colloquium talk given in the Department of Psychology, Mount Allison University, Sackville, New Brunswick, Canada on March 16, 2018.

- 2017 *How music shapes the mind: Benefits of experience and costs of deprivation.* Colloquium talk given in the Department of Psychology, University of New Brunswick, Fredericton, New Brunswick, Canada on April 7, 2017.
- 2017 *How music shapes the mind: Benefits of experience and costs of deprivation.* Colloquium talk given in the Department of Psychology, University of Prince Edward Island, Charlottetown, Prince Edward Island, Canada on March 31, 2017.
- 2017 *How music shapes the mind: Benefits of experience and costs of deprivation.* Colloquium talk given in the Department of Psychology, St. Francis Xavier University, Antigonish, Nova Scotia, Canada on March 10, 2017.
- 2017 *Music and the mind through the lifespan.* Invited lecture given to the Tantramar Seniors' College, Sackville, New Brunswick, Canada on March 1, 2017.
- 2017 *How music shapes the mind: Benefits of experience and costs of deprivation.* Colloquium talk given in the Department of Psychology and Neuroscience, Dalhousie University, Halifax, Nova Scotia, Canada on January 13, 2017.
- 2016 *Combining senses: The dynamic capacity of audiovisual integration.* Colloquium talk given in the Department of Psychology, Acadia University, Wolfville, Nova Scotia, Canada on December 2, 2016.

CONFERENCE ACTIVITY

Papers Presented

- 2018 Wilbiks, J. M. P., Klapman, S. F., & Munn, J. T. (2018, June). *Horizontal variation in visual stimuli affects auditory pitch perception equally in musicians and non-musicians.* Paper presented at the annual meeting of the International Multisensory Research Forum, Toronto, Ontario, Canada.
- 2014 Wilbiks, J. M. P., & Dyson, B. J. (2014, May). *Electrophysiological predictors of the dynamic capacity of audio-visual integration.* Paper presented at the annual meeting of the International Multisensory Research Forum, Amsterdam, Netherlands.
- 2012 Wilbiks, J. M. P., & Dyson, B. J. (2012, September). *Effects of within-modal congruency, cross-modal congruency, and temporal asynchrony on the perception of audio-visual distance.* Paper presented at the annual meeting of the Psychology Research Symposium, Ryerson University, Toronto, Ontario, Canada.

Poster Presentations

- 2018 Wilbiks, J. M. P. (2018, May). *Understanding individual differences in audio-visual integration capacity through visual working memory, multiple object tracking, attention, and vigilance*. Poster session presented at the annual meeting of the Association for Psychological Science in San Francisco, California, USA.
- 2017 Wilbiks, J. M. P. & Dyson, B. J. (2017, May). *The contributions of perceptual factors and training on variation in audio-visual integration capacity*. Poster session presented at the annual meeting of the Banff Annual Seminar in Cognitive Sciences, Banff, Alberta, Canada.
- 2017 Dyson, B. J., Wilbiks, J. M. P., Sandhu, R., Papanicolaou, G., Lintag, J., & Forder, L. (2017, May). *Bounded rationality revealed through games*. Poster session presented at the annual meeting of the British Psychological Society, Brighton, United Kingdom.
- 2015 Wilbiks, J. M. P., & Dyson, B. J. (2015, June). *The dynamics of audio-visual integration capacity as determined by temporal unpredictability, proactive interference, and SOA*. Poster session presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, Ontario, Canada.
- 2014 Dyson, B. J., & Wilbiks, J. M. P. (2014, June). *The capacity of audio-visual integration need not be limited to one item*. Poster session presented at the annual meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Toronto, Ontario, Canada.
- 2012 Wilbiks, J. M. P., & Dyson, B. J. (2012, May). *Effects of within-modal congruency, cross-modal congruency, and temporal asynchrony on the perception of perceived audio-visual distance*. Poster session presented at the annual meeting of the International Multisensory Research Forum, Oxford, United Kingdom.
- 2011 Wilbiks, J. M. P., & Dyson, B. J. (2011, June). *Selective attention to audio-visual information in musicians and non-musicians*. Poster session presented at the annual meeting of the Canadian Psychological Association, Toronto, Ontario, Canada.
- 2010 Wilbiks, J. M. P., & Timmers, R. (2010, September). *Musicians vs actors: Investigating verbal and musical working memory differences in performing artists*. Poster session presented at the annual meeting of the Psychology Research Symposium, Ryerson University, Toronto, Ontario, Canada.

DEPARTMENTAL TALKS

- 2012 Wilbiks, J. M. P., & Dyson, B. J. (2012, October). *Effects of congruency and temporal factors on the perception of perceived audio-visual distance*. Presented at a meeting of the Brain, Perception, Action, and Cognition group at Ryerson University, Toronto, Ontario, Canada.
- 2009 Wilbiks, J. M. P., & Timmers, R. (2009, June). *The musical mind: Investigating short term memory processes in actors and musicians*. Presented at the annual University of Sheffield Graduate Research Presentation Day, Sheffield, United Kingdom.

TEACHING EXPERIENCE**University of New Brunswick**

Introduction to Psychology II	(2019 Winter)
Learning	(2019 Winter)
Introduction to Psychology I	(2018 Fall)
Cognitive Processes	(2018 Fall)

Mount Allison University

Psychology of Music	(2018 Spring)
Personality	(2018 Winter)
Social Psychology	(2018 Winter)
Child and Adolescent Development	(2017 Fall)
Introduction to Psychology II	(2017 Winter)
Adulthood and Aging	(2016 Fall)
Special Topics in Psychology: The Multisensory Mind	(2016 Fall)

Ryerson University

Perspectives on Psychology	(2016 Winter)
Adult Development	(2016 Winter)
Introduction to Psychology I	(2016 Winter, 2015 Fall, 2015 Spring, 2015 Winter, 2014 Fall, 2013 Fall)
Psychology of Thinking	(2016 Spring, 2015 Spring, 2014 Spring)
University Success Strategies	(2015 Fall)

Centennial College

Adult Development	(2015 Fall, 2014 Fall)
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TEACHING ASSISTANTSHIPS**Ryerson University**

Introduction to Psychology II	(2015 Winter, 2014 Winter, 2011 Winter)
Psychological Disorders	(2015 Winter, 2011 Fall)
Cognitive Psychology	(2012 Winter)
Psychology of Thinking	(2012 Fall)
Social Psychology	(2012 Fall)

SERVICE

2018-	Student Technology Fee Committee – University of New Brunswick Saint John
2018-	Experimental Program Committee – University of New Brunswick; Department of Psychology
2018-	Graduate Funding Review Committee – University of New Brunswick Saint John; Department of Psychology
2017-2018	Honours Funding Review Committee – Mount Allison University; Department of Psychology
2017-2018	Colloquium Committee – Mount Allison University; Department of Psychology
2017-2018	Employment Equity Panel – Mount Allison University
2017	Academic Orientation Volunteer – Mount Allison University; Faculty of Science
2016-2017	Science Atlantic Committee – Mount Allison University, Department of Psychology
2014-2016	Reviewer – Association for Psychological Science, Student Research Award
2014-2016	Co-editor of Annual Report – Ryerson University, Department of Psychology
2013-2016	Peer Mentor – Ryerson University, Department of Psychology
2013-2014	CSBBCS Conference Organizing Committee – Canadian Society for Brain, Behaviour, and Cognitive Science
2012-2014	Editor-in-Chief – RyeView, Ryerson University, Department of Psychology
2012-2014	Professional Development Committee – Ryerson University, Department of Psychology

- 2010-2013 Contributor – ERP Research Group, Ryerson University, Department of Psychology
- 2008-2009 Founder – Music Cognition Research Group, University of Sheffield, Department of Music

STUDENT SUPERVISION

Honours Thesis Supervisor

- 2018-2019 Min Ji Kim
- 2017-2018 Shaelee Mitchinson, Ke Yang Pan

Honours Thesis Committee Member

- 2017-2018 Emilie Gaudet, Hilary Pearson
- 2016-2017 William Anderson

Independent Study Supervisor

- 2018-2019 Kailey Dincorn, Courtney O'Brien
- 2017-2018 Paula Arndt, Sarah Klapman, Antonina Pavilanis, Jordan Munn
- 2016-2017 Laura Medicoff, Hilary Pearson, Dominic Rioux

LANGUAGES

- English (Native)
- Estonian (Native)
- French (Conversational; Reading ability)

PROFESSIONAL AFFILIATIONS

- Canadian Society for Brain, Behaviour, and Cognitive Science
- Psychonomic Society