Matti Vuorre

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Current Position

Postdoctoral Research Scientist, Columbia University, New York

Areas of Specialization

cognition • perception • cognitive neuroscience • applied statistics

Education

2018	PhD, Columbia University, USA
2017	MPhil, Columbia University, USA
2015	M.A, Columbia University, USA
2013	BSc (Hons) in Psychology, Victoria University of Wellington, New Zealand
2012	BSc in Psychology and Philosophy, Victoria University of Wellington, New Zealand

Grants, Honors & Awards

2016	Leo Rubinstein Endowed Fellowship (Columbia University)
	Graduate Student Travel Award (Psychonomic Society)
2015	Leo Rubinstein Endowed Fellowship (Columbia University)
	Edward E. Smith Memorial Award in Cognitive Neuroscience (Columbia University)
	Best Student Poster Award (Association for the Scientific Study of Consciousness)
2013	Dean's Fellowship (Columbia University)
2012	Postgraduate Research Scholarship (Victoria University of Wellington)
	School of Psychology Graduate Prize (Victoria University of Wellington)
	Victoria University Graduate Award (Victoria University of Wellington)

Publications & Academic Contributions

Journal articles

2018

Bloom, P. A., Friedman, D., Xu, J., Vuorre, M., & Metcalfe, J. (2018). Tip-of-the-tongue states predict enhanced feedback processing and subsequent memory. *Consciousness and Cognition.*
https://doi.org/10.1016/j.concog.2018.05.010

Vuorre, M. & Curley, J. P. (2018). Curating Research Assets: A Tutorial on the Git Version Control System. *Advances in Methods and Practices in Psychological Science.*
https://doi.org/10.1177/2515245918754826

Heino, M. T. J.*, Vuorre, M.*, & Hankonen, N. (2018). Bayesian evaluation of behavior change interventions: A brief introduction and a practical example. *Health Psychology and Behavioral Medicine: an Open Access Journal.*
https://doi.org/10.1080/21642850.2018.1428102
(*These authors contributed equally to the manuscript.)

Chapman, S., Colvin, L. E., Vuorre, M., Cocchini, G., Metcalfe, J., Huey, E. D., & Cosentino, S. (2018). Cross domain self-monitoring in anosognosia for memory loss in Alzheimer's disease. *Cortex.*
https://doi.org/10.1016/j.cortex.2018.01.019

2017

Vuorre, M. & Bolger, N. (2017). Within-subject mediation analysis for experimental data in cognitive psychology and neuroscience. *Behavior Research Methods.*
https://doi.org/10.3758/s13428-017-0980-9

Sidarus, N., Vuorre, M., & Haggard, P. (2017). Integrating prospective and retrospective cues to the sense of agency: a multi-study investigation. *Neuroscience of Consciousness*, 3(1).
https://doi.org/10.1093/nc/nix012

Vuorre, M. & Metcalfe, J. (2017). Voluntary action alters the perception of visual illusions. *Attention, Perception, & Psychophysics.*
https://doi.org/10.3758/s13414-017-1321-x

Vuorre, M. (2017). On Time, Causation, and the Sense of Agency. *Journal of Consciousness Studies*, 24(3–4), 203–215.
http://www.ingentaconnect.com/contentone/imp/jcs/2017/00000024/F0020003/art00011

Sidarus, N., Vuorre, M., Metcalfe, J., & Haggard, P. (2017). Investigating the prospective sense of agency: Effects of processing fluency, stimulus ambiguity, and response conflict. *Frontiers in Psychology*, 8, 545.
https://doi.org/10.3389/fpsyg.2017.00545

Sidarus, N., Vuorre, M., & Haggard, P. (2017). How action selection influences the sense of agency: An ERP study. *NeuroImage*, 150, 1–13. https://doi.org/10.1016/j.neuroimage.2017.02.015

2016   Vuorre, M. & Metcalfe, J. (2016). The relation between the sense of agency and the experience of flow. *Consciousness and Cognition*, 43. https://doi.org/10.1016/j.concog.2016.06.001

2013   Michael, R. B., Newman, E. J., Vuorre, M., Cumming, G., & Garry, M. (2013). On the (non)persuasive power of a brain image. *Psychonomic Bulletin & Review*, 20(4), 720–725. https://doi.org/10.3758/s13423-013-0391-6

Scientific software

2017   Vuorre M. (2017). bmlm: Bayesian Multilevel Mediation. R package version 1.2.10 https://cran.r-project.org/package=bmlm

Invited talks

2016   Vuorre, M. (2016, April). The Pragmatist's Guide to Studying Free Will. Talk presented at the *Science of Consciousness* meeting, Tucson, Arizona.

Talks

2018   Vuorre, M. (2018, February). Within-subject mediation analysis for experimental data in cognitive psychology and neuroscience. Talk presented at Columbia University.

2017   Vuorre, M. (2017, November). Within-subject mediation analysis for experimental data in cognitive psychology and neuroscience. Talk presented at Rutgers University.

Vuorre, M., Sidarus, N., & Metcalfe, J. (2017, September). A Meta-Analytic Review of Agency Cues. Talk presented at the *European Society for Cognitive Psychology* meeting, Potsdam, Germany.

2016   Vuorre, M. (2016, April). Voluntary Actions Cause a Temporal Rate-Shift in Visual Awareness: Evidence from visual illusions. Talk presented at the *Science of Consciousness* meeting, Tucson, Arizona.

2015   Vuorre, M. & Metcalfe, J. (2015, June). Voluntary Action and Time Perception. Talk presented at the *Toward a Science of Consciousness* meeting, Helsinki, Finland.

Conference posters

2017   Vuorre, M., Metcalfe, J., Friedman, D., Bloom, P., Xu, J., & Bolger, N. (2017, September). Within-Subject Mediation Analysis for Experimental Data in Cognitive Psychology and Neuroscience. Poster presented at the European Society for Cognitive Psychology, Potsdam, Germany.

Metcalfe, J., Bloom, P. A., Xu, J., Vuorre, M., & Friedman, D. (2017, March). Tip-of-the-Tongue States Enhance Processing to Feedback. Poster presented at the Cognitive Neuroscience Society annual meeting, San Fransisco, USA.

2016   Vuorre, M., Metcalfe, J. (2016, November). The relation between the sense of agency and the experience of flow. Poster presented at the Psychonomic Society annual meeting, Boston, USA.

Sidarus, N., Vuorre, M., Haggard, P. (2016, September). Integrating Prospective and Retrospective Cues to the Sense of Agency: A Multi-Study Investigation. Poster presented at the British Association for Cognitive Neuroscience annual meeting, Budapest, Hungary.

2015   Vuorre, M., Metcalfe, J. (2015, July). Voluntary Actions Compress the Experience of Time. Poster presented at the Association for the Scientific Study of Consciousness annual meeting, Paris, France.

Vuorre, M., Metcalfe, J. (2015, May). Voluntary Actions Compress the Experience of Time. Poster presented at the Association for Psychological Science annual meeting, New York, USA.

2014   Vuorre, M., Metcalfe, J. (2014, November). Voluntary Action and Time Perception. Poster presented at the Psychonomic Society annual meeting, Long Beach, USA.

Vuorre, M., Metcalfe, J. (2014, November). Voluntary Action and Time Perception. Poster presented at the Association for the Scientific Study of Consciousness annual meeting, Brisbane, Australia.

2012   Vuorre, M. (2012, April). How shifts in tense in memory narratives affect people. Conference presentation at KiwiCAM, Wellington, New Zealand.

Other articles

2016   Vuorre, M. (2016, December 5). Introduction to Data Analysis using R. Retrieved from http://blog.efpsa.org/2016/12/05/introduction-to-data-analysis-using-r/

2014   Vuorre, M. (April 29, 2014), What Your Name Says About How Believable You Are, *Scientific American*

Teaching

Teaching Assistantships

2018   Statistics for Behavioral Scientists (Columbia University)
2017   Introduction to Statistical Modeling in Psychology (Columbia University)
2016   Analysis of Change (Columbia University)
        The Science of Psychology (Columbia University)
2015   Experimental Psychology: Human Behavior (Columbia University)
2014   The Science of Psychology (Columbia University)
2013   Visual Perception (Victoria University of Wellington)
        Introduction to Psychology (Victoria University of Wellington)
2011   Introduction to Psychology (Victoria University of Wellington)

Service to the profession

Panels organized

2015   Metacognition of Agency workshop (2015, May), Co-organizer and co-chair.

Peer review service

Acta Psychologica; Attention, Perception, & Psychophysics; Journal of Consciousness Studies; Psychology of Consciousness