Bradley Paul Wyble

Department of Psychology
The Pennsylvania State University
University Park, PA 16803
(717) 875-1127 bpw10@psu.edu; bwyble@gmail.com

Education

Ph.D., Department of Psychology, Harvard University, June 2003
Advisor: Professor Michael E. Hasselmo
Thesis: *The relationship of hippocampal theta oscillations to neurophysiology, attention and motor behavior in the rat*
M.A., Department of Psychology, Harvard University, June 1999
B.A., Department of Computer Science, Brandeis University, May 1995

Postdoctoral Positions

Research Associate
Computing Lab
University of Kent, Canterbury, UK
June 2003-May 2007

Research Fellow
Department of Computer Science
University College of London
June 2007-November 2007

Research Fellow
Department of Brain and Cognitive Sciences
Massachusetts Institute of Technology
November 2007-August 2009

Faculty Position

Assistant Professor
Department of Psychology
Syracuse University
Fall 2009-2012

Assistant Professor
Department of Psychology
Penn State University
Fall 2012-Present

Secondary Appointments

Upstate Medical University Graduate Faculty Organization
Spring 2011-present

Awards, Honors and Grants

CO-I: Applied Research Subaward $19,102 Status: ACTIVE 2015- present
Applied Research Lab, Penn State University
Submarine Role-based Cognitive Autonomy

PI: REU Supplemental for NSF Grant 1331073 $19,060 Status: ACTIVE 2015-

PI: NSF Grant 1331073 $335,197 Status: ACTIVE 2013-Present
Integrating Spatial and Temporal Models of Visual Attention

CO-PI: Office Of Naval Research Subaward through University of Manitoba
Office Of Naval Research $18,314 Status: ACTIVE 2014-Present
Attention by Information Maximization Using a Hybrid Statistical-Analytic Representation (Aimstar)

NIH-Subaward: from Syracuse University: $48,996 Status: FINISHED 2013-2014
Developing New Tools for Exploring the Attentional Abilities of Children
NIH grant Awarded to PI Natalie Russo
The neurophysiology of sensory processing and multisensory integration in ASD

CO-I: Syracuse Hill Collaboration $8,700 Status: FINISHED 2012-2014
Behavioral and neurophysiological indices of the temporal dynamics of visual processing among persons with ASD and VCFS

SubAwardee: CONTINUUM $9,000 Status: FINISHED 2012-2014
Office Of Naval Research

Co-wrote: NIH R01 grant awarded to PI Mary Potter, $836,654 Status: FINISHED 2007-2011
Competition Model of Attention and Memory

Sackler Fellowship ($12,000 for one year), 2001-2002
NSF Graduate Fellowship, 1997-2000
Scholarship (full tuition), Harvard University, 1996-2001
Graduated *summa cum laude* from Brandeis University, 1995
Justice Brandeis Scholarship (half tuition), Brandeis University, 1991-1995

Previous Mentoring Experience:

Srivas Chennu, PhD, 2009, Computing, University of Kent, Canterbury
Currently: Postdoctoral Researcher, Wolfson Brain Imaging Centre, University of Cambridge

Marcelo Mattar, B.S. 2008-2009, Interned at MIT
Currently: Graduate Student, Psychology, University of Pennsylvania

Kelly Schwartz, PhD 2011, Psychology Department, Syracuse University,
Currently: Human Factors Engineer, QinetiQ, Boston, MA

Samantha Debes, B.S. 2012, Psychology, Syracuse University
Currently: Graduate Student, Integrative Biology and Pharmacology, University of Texas, Houston

Maxwell Bay, B.S. 2011 w Honors, Psychology, Syracuse University
Currently: Graduate Student, Neuroscience, University of Southern California

Sebastian Rolotti, B.S. 2013 w Honors, Philosophy, Pennsylvania State University
Currently: Graduate Student, Neuroscience, Columbia University

Gregory Wade, B.S. 2014 Psychology, Pennsylvania State University
Currently: Graduate Student (enrolled), Psychology, University of Delaware

Current Students/PostDocs:

Hui Chen, Postdoctoral Fellow
Department of Psychology, Penn State University

Garrett Swan, Graduate student
Department of Psychology, Penn State University
Expected graduation date: 7/2017

Chloe Callahan-Flintoft, Graduate student
Department of Psychology, Penn State University
Expected graduation date: 7/2017

Michael Skocik, Graduate student
Department of Physics, Penn State University
Expected graduation date: 7/2016

Joseph Stucynski, Honors student
Schreyer Honors College, Penn State University

Expected graduation date: 6/2015

Natalie Guarna, Honors student
Schreyer Honors College, Penn State University
Expected graduation date: 6/2018

Dissertation Review Committees

Nathaniel Thomas, PhD, Department of Psychology, Syracuse University
Mark Zarella, PhD, Department of Neuroscience, Upstate University
Stuart Card, PhD, Department of Computer Science, Syracuse University
Katherine Chapman, PhD, Department of Psychology, Penn State University
Garrett Swan, MS, Department of Psychology, Penn State University
Alex Weigard, MS, Department of Psychology, Penn State University
Yang Xiao, MS, Department of CSE, Penn State University
Michael Skocik, MS, Department of Physics, Penn State University
Garrett Evans, PhD, Department of Physics, Penn State University
Jason Gullifer, PhD, Department of Psychology, Penn State University

Editorial Positions and Memberships

Associate editor
Frontiers in Cognition

Consulting editor
Journal of Experimental Psychology: Human Perception & Performance
Attention Perception & Psychophysics

Reviewer for Journals
Acta Psychologica
Advances in Cognitive Psychology
Attention Perception & Psychophysics
Computational Neuroscience Conference
Cognition & Emotion
Cognitive Psychology
Experimental Psychology
Hippocampus
Japanese Psychological Research
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: Human Perception & Performance
Journal of Neuroscience
Journal of Vision
Neuroimage
Neuropsychologia
PLOS One
Psychological Research
Psychonomic Bulletin & Review

Psychophysiology
Spatial Vision
Visual Cognition

Ad Hoc Grant Reviewer
National Science Foundation, New York University

Professional Membership
Fellow of the Psychonomic Society
Fellow of the Association for Psychological Science
American Psychological Association
Vision Science Society
European Society for Cognitive Psychology

Teaching Experience

Cognitive Psychology
Research Methods
Introduction to Perception
Human Memory

Publications

Books

Rosenbaum, D. A., Vaughan, J., & Wyble, B. (2014) *MATLAB for Behavioral Scientists, 2nd edition* Routledge.

Peer-Reviewed Articles Under Revision or Submitted

(Current/Former Students in **bold**)

Wade G. & Wyble B. (Submitted) Measuring Stroop interference in the absence of response generation using the attentional blink, *Cognition*

Sustersic J., Wyble, B., Advani, Siddharth, & Narayanana, V. (Submitted) Towards a Unified Multiresolution Vision Model for Autonomous Ground Robots. *Journal of Robotics and Autonomous Systems*

Chen, H., & Wyble, B. (in revision). Attribute amnesia reflects a lack of consolidating attended information into working memory. *Journal of Experimental Psychology: Human Perception and Performance*

Peer-Reviewed Articles Published or In Press

41. Wyble, B., & **Swan, G** (in press) Mapping the spatiotemporal dynamics of interference between two visual targets. *Attention Perception & Psychophysics*

40. Wyble, B. & Rosenbaum, D. A. (in press) Are motor adjustments quick because they don't require detection or because they escape competition? *Motor Control: Commentary*

39. DellAcqua, R., Dux, P., Wyble, B., Doro, M., Sessa, P., Meconi, F., & Jolicœur, P (in press) The attentional blink impairs detection and delays encoding of visual information: Evidence from human electrophysiology *Journal of Cognitive Neuroscience*

38. **Tan, M.** & Wyble, B. (in press). Understanding how visual attention locks on to a location: Toward a computational model of the N2pc component.Psychophysiology.

37. Li, S., Wyble B., Zhou, L., Wang K., Wang, Y., Cheung, E., Bowman, H., & Chan, R. (2015) Temporal Perception Deficits in Schizophrenia: Integration is the problem, not Deployment of Attention *Scientific Reports 5.*

36. Chen H. & Wyble B. (2015a). Amnesia for object attributes: Failure to report attended information that had just reached conscious awareness. *Psychological science, 0956797614560648.*

35. Chen H. & Wyble, B. (2015b) The location but not the features of visual cues are automatically encoded into working memory. *Vision research, 107, 76-85.*

34. Wyble, B., Bowman, H., & Nieuwenstein, M. (2015). On the interplay between working memory consolidation and attentional selection in controlling conscious access: parallel processing at a cost—a comment on 'The interplay of attention and consciousness in visual search, attentional blink and working memory consolidation'. *Philosophical Transactions of the Royal Society B: Biological Sciences,* 370(1661), 20140197.

33. **Swan, G.** & Wyble, B. (2014) The Binding Pool: A Model of Shared Neural Resources for Visual Working Memory, *Attention Perception & Psychophysics,* 76(7), 2136-2157.

32. **Bay, M.** & Wyble, B. (2014). The benefit of attention is not diminished when distributed over two simultaneous cues. *Attention, Perception, & Psychophysics*, 76 (5), 1287-1297.

31. Potter, M., Wyble, B., Hagmann, C., & McCourt, E. (2014) Detecting meaning in RSVP at 13 ms per picture *Attention Perception & Psychophysics 76(2),* 276-279.

30. Nieuwenstein, M., & Wyble, B. (2014) Beyond a mask and against the bottleneck: Retroactive dual-task interference during working memory consolidation of a masked visual target *Journal of Experimental Psychology, General* 143(3), 1409.

29. Dux, P., Wyble, B., Jolicouer, P., & Dell'Acqua, R. (2014) On the Costs of Lag-1 Sparing. *Journal of Experimental Psychology: Human Perception and Performance*. 40(1) 416-428.

28. Bowman, H., Wyble, B., Filetti, M., & Olivers, C. (2013) Attention is more than prediction precision. *Behavioral and Brain Sciences*, 36(3):206-8.

27. Wyble, B. Folk, C., & Potter, M. C. (2013) Contingent Capture by Conceptually Relevant Images." *Journal of Experimental Psychology: Human Perception and Performance*, 39(3), 11.

26. Bowman, H., Filetti, M., Janssen, D., Li, S., Alsufyani, A, & Wyble, B. (2013) Subliminal Salience Search Illustrated: EEG Identity and Deception Detection on the Fringe of Awareness *PLoS One 8(1): e54258*

25. Lagroix, H. E. P., Spalek, T. M., Wyble, B., Jannati, A., & Di Lollo, V. (2012) The root cause of the attentional blink: First-target processing or disruption of input control. *Attention Perception & Psychophysics 74(8): 1606-1622*

24. DellAcqua, R., Dux, P., Wyble, B.,& Jolicoeur, P. (2012) Sparing from the attentional blink is not spared from structural limitations. *Psychonomic Bulletin & Review 19(2): 232-8*

23. Wyble, B., Potter, M., & **Mattar, M** (2012) RSVP in Orbit: Identification of Single and Dual Targets in Motion, *Attention, Perception & Psychophysics* 74(3):553-62

22. Potter, M. C., Wyble, B., & Olejarczyk, J. (2011) Attention Blinks for Selection, Not Perception or Memory: Reading Sentences and Reporting Targets, *Journal of Experimental Psychology: Human Perception and Performance* 37(6):1915-23

21. Chennu, S., Bowman H. & Wyble, B. (2011) Fortunate Conjunctions Revived: Feature Binding with the 2f-ST2 Model. *Proceedings of the 33rd Annual Conference of the Cognitive Science Society.*

20. Wyble, B., Potter, M. C., Bowman, H., & Nieuwenstein, M. (2011) Attentional episodes in visual perception. *Journal of Experimental Psychology, General,* 140(3) 488-505.

19. Martens, S., Dun M., Wyble, B., & Potter M. C. (2010) A Quick Mind with Letters Can Be a Slow Mind with Natural Scenes: Individual Differences in Attentional Selection. *PLoS ONE,* 5(10): e13562

18. Martens, S., & Wyble B., (2010) The attentional blink: Past, present, and future of a blind spot in perceptual awareness. *Neuroscience & Biobehavioral reviews,* May;34(6):947-57.

17. Potter, M. C., Wyble, B., Pandav, R, & Olejarczyk, J. (2010) Picture Detection in RSVP: Features or Identity? *Journal of Experimental Psychology: Human Perception and Performance,* 36(6):1486-94

16. **Chennu**, S., **Craston**, P., Wyble, B., & Bowman, H. (2009) Attention Increases the Temporal Precision of Conscious Perception: Verifying the Neural-STST Model. *PLOS Computational Biology, 5(11)*

15. Nieuwenstein, M. R., van de Burg, E., Theeuwes, J., Wyble, B., & Potter, M. C. (2009). Temporal constraints on conscious vision: On the ubiquitous nature of the attentional blink. *Journal of Vision,* 9(9):1-14

14. Wyble B, Bowman H., & Potter M. (2009) Categorically Defined Targets Trigger Spatiotemporal Attention. *Journal of Experimental Psychology: Human Perception and Performance*, 35(2):324-37

13. Wyble B., Bowman H., & Nieuwenstein M. (2009) The Attentional Blink provides Episodic Distinctiveness: Sparing at a Cost *Journal of Experimental Psychology: Human Perception and Performance,* 35(3):787-807

12. **Craston**, P., Wyble, B., **Chennu**, S., & Bowman, H. (2009) The attentional blink reveals serial working memory encoding: Evidence from virtual & human event-related potentials. *Journal of Cognitive Neuroscience,* 21(3):550-566.

11. Su, L., Bowman, H., Barnard, P., & Wyble, B. (2008) Process algebraic modelling of attentional capture and human electrophysiology in interactive systems. *Formal Aspects of Computing*, 21(6) 513-539.

10. Wyble, B., Sharma, D., & Bowman, H. (2008) Strategic regulation of cognitive control by emotional salience, a neural network model. *Cognition and Emotion, 22(6),* 1019-1051.

9. Bowman, H., Wyble, B., **Chennu**, S., & **Craston**, P. (2008) A reciprocal relationship between bottom-up trace strength and the attentional blink bottleneck: Relating the LC-NE and ST(2) models. *Brain Research, 1202,* 25-42.

8. Bowman, H., & Wyble, B. (2007) The simultaneous type, serial token model of temporal attention and working memory. *Psychological Review*, 114(1), 38-70.

7. Wyble, B., Hyman, J., Rossi, C., & Hasselmo, M. (2004) Analysis of theta power in hippocampal EEG during bar pressing and running behavior in rats during distinct behavioral contexts. *Hippocampus,14(5)*, 662-674.

6. Hyman, J.M., Wyble, B.P., Goyal, V., Rossi, C.A., & Hasselmo, M.E. (2003) Stimulation in hippocampal region CA1 in behaving rats yields LTP when delivered to the peak of theta and LTD when delivered to the trough. *Journal of Neuroscience*, 23(37), 11725-31.

5. Hasselmo, M., Bodelon, C., & Wyble, B. (2002) A proposed function for hippocampal theta rhythm: separate phases of encoding and retrieval enhance reversal of prior learning. *Neural Computation, 14(4)*, 793-817.

4. Wyble, B., Linster, C., & Hasselmo, M. (2000) Size of CA1-evoked synaptic potentials is related to theta rhythm phase in rat hippocampus. *Journal of Neurophysiology*, *83(4)*, 2138-44.

3. Linster, C., Wyble, B., & Hasselmo, M. (1999) Modulation of synaptic potentials in the piriform cortex by electrical stimulation of the horizontal limb of the diagonal band of Broca. *Journal of Neurophysiology, 81(6),* 2737-2742.

2. Hasselmo, M., & Wyble, B. (1997) Simulation of the effects of scopolamine on free recall and recognition in a nework model of the hippocampus. *Behavioural Brain Research, 89*, 1-34.

1. Hasselmo, M., Wyble, B., & Wallenstein, G. (1996) Encoding and retrieval of episodic memories: Role of cholinergic and GABAergic modulation in the hippocampus. *Hippocampus*, *6*, 693-708.

Book Chapters and Conference Proceedings

8. H. Bowman L. Su B. Wyble P.J. Barnard. (2009). Salience sensitive control, temporal attention and stimulus-rich reactive interfaces. *Human Attention in Digital Environments* (pp. 114-144) Cambridge University Press, Cambridge UK.

7. Wyble, B., Sharma, D., & Bowman, H. (2005). Modelling the slow emotional stroop effect: suppression of cognitive control. In Angelo Cangelosi, Guido Bugmann, and Roman Borisyuk, editors, *Proceedings of the Neural Computation and Psychology Workshop, volume 9* (pp. 291-300) World Scientific Publishing Company Pte Ltd: Singapore.

6. Bowman, H., & Wyble, B. (2005). Computational modelling of the attentional blink. In Angelo Cangelosi, Guido Bugmann, and Roman Borisyuk, editors, *Proceedings of the Neural Computation and Psychology Workshop, volume 9* (pp. Unavailable). World Scientific Publishing Company Pte Ltd: Singapore.

5. Wyble, B., & Bowman, H. (2004). The attentional blink at 20 items/sec, model prediction and empirical validation of lag-2 sparing. In Christian Schunn, editor, *Proceedings of the International Conference on Cognitive Modelling* (pp. 400-401) Lawrence Earlbaum: Mahwah, NJ.

4. Bowman, H. Wyble, & Barnard, P. (2004). Towards a neural network model of the attentional blink. In H. Bowman and C. Labiouse, editors, *Proceedings of the Eighth Neural Computation and Psychology Workshop, Connectionist Models of Cognition and Perception II, volume 15 of Progress in Neural Processing (*pp 178-187), World Scientific, Singapore.

3. Hasselmo, M.E., Wyble, B., & Fransen, E. (2002). Neuromodulation in mammalian nervous systems. In: M. A. Arbib (ed.) *The Handbook of Brain Theory and Neural Networks* (pp 761-765), Cambridge, MA: MIT Press.

2. Hasselmo, M. E., Wyble, B., & Stern, C. E. (1996). A model of human memory based on the cellular physiology of the hippocampal formation. In: Parks, R. and Levine, D. (eds.) *Neural Networks for Neuropsychologists*, Cambridge, MA: MIT Press.

1. Hasselmo, M. E., & Wyble, B.(1996). Modeling hippocampal memory function: Does the spread of Alzheimer's disease neuropathology involve the mechanisms of consolidation? In: Reggia, J. Berndt, R. Ruppin E. (eds.) *Neural Modeling of Brain and Cognitive Disorders* (pp. 43-62), London: World Scientific Pub. Conference Presentations with Reviewed Proceedings

Technical Reports

3. Wyble, B., Bowman, H., & Craston, P. (2006). Attentional capture in stimulus rich computer interfaces. *Technical Report 7-06*, Canterbury: Computing Lab, University of Kent.

2. Wyble, B., Craston, P., & Bowman. H. (2006). Electrophysiological feedback in adaptive human computer interfaces. *Technical Report 8-06*, Canterbury: Computing Lab, University of Kent.

1. Bowman, H., Li, S., & Wyble, B. (2006). Performance of reactive interfaces in stimulus rich environments, applying formal methods and cognitive frameworks. *Technical Report 6-06*, Canterbury: Computing Lab, University of Kent.

Recent Poster Presentations (2014-2015)

Wyble B., Chen H., Stucynski J., Callahan-Flintoft C. & Tan M. (2015) Understanding the PD and the N2pc: modeling the neural mechanisms underlying spatial attention shifts. Annual meeting of the Vision Science Society, St Pete Beach, FL

Callahan-Flintoft, C. & Wyble B. (2015) Using the N2pc to compare the timing of attentional shifts to categorical and featural targets. Annual meeting of the Vision Science Society, St Pete Beach, FL

Swan, G., & Wyble, B. (2015) Measuring the memory quality of a task irrelevant feature of an attended object. Annual meeting of the Vision Science Society, St Pete Beach, FL

Wade, G., & Wyble B. (2015) Measuring Stroop interference in the absence of response generation using the attentional blink. Annual meeting of the Vision Science Society, St Pete Beach, FL

Chen, H. & Wyble, B. (2014a) Encoding suppression: Linking spatial cueing costs to the attentional blink. Annual meeting of the Vision Science Society, St Pete Beach, FL

Folk, C., Berenato, A. & Wyble, B. (2014) Semantic Priming Produces Contingent Attentional Capture by Conceptual Content. Annual meeting of the Vision Science Society, St Pete Beach, FL

Swan G., Wyble B. (2014a) The Binding Pool model of VWM: A model for storing individuated objects in a shared resource pool. Annual meeting of the Vision Science Society, St Pete Beach, FL

Wyble, B. & Tan, M. (2014) A Convergent Gradient Field Model of Visual Attention. Annual meeting of the Vision Science Society, St Pete Beach, FL

Wyble B. & Chen H. (2014) Feature Amnesia: Attending to a Feature of a Specific Object Does Not Guarantee That It Can Be Reported. 55th Annual meeting of the Psychonomic Society, Long Beach, CA

Chen H. & Wyble B. (2014b) Automatic Object Files: The Location but not the Features of Visual Cues Are Automatically Encoded Into Working Memory. 55th Annual meeting of the Psychonomic Society, Long Beach, CA

Swan G. & Wyble B. (2014b) Testing a Model of Visual Working Memory: Can Extra Features Be Stored Without Cost? 55th Annual meeting of the Psychonomic Society, Long Beach, CA

Recent Oral Presentations

Wyble B., & Chen, H. (2014) Feature Amnesia: attending to a feature of a specific object does not guarantee that it can be reported. 54th Annual meeting of the Psychonomics Society, Long Beach, CA.

Wyble B., Tan, M., & Bay M., (2013) A Convergent Gradient Field Model of Attention, 53rd Annual meeting of the Psychonomics Society, Toronto, ON

Wyble B., (2013) The temporal structure of cognition: What do we know about the speed of thought? Condensed Atomic and Molecular Physics Seminar, Penn State University, University Park, PA

Wyble B. & Bay, M. (2013) Simultaneous cueing at two discrete locations and lag-0 sparing: Breaking the attentional spotlight, Annual meeting of the Vision Science Society, Naples, FL

Invited Talk: Wyble, B. (2013) Parsing the visual world: the role of the attentional blink in perception. Franklin & Marshal College, Psychology Department.

Wyble, B. Sense, F., & Nieuwenstein, M. (2012) Testing Models of the Attentional Blink: Does Masking Increase Processing Duration in RSVP? 53rd Annual meeting of the Psychonomics Society, Minneapolis, MN

Wyble, B., Folk, C. & Potter, M. C. (2012) Attentional Capture By Images That Match A Conceptual Target Set. Annual meeting of the Vision Science Society.

Wyble, B., Chennu S., & Bowman H (2011) Fortunate Conjunctions Revived: Feature Binding with the 2f-ST2 Model 33rd Annual meeting of the Cognitive Science Society

Invited Talk: Wyble, B. Potter, M. & Nieuwenstein M (2011) Exploring the time course of access consciousness with simulation and neural data. Endo-Neuro-Psycho Meeting, Lunteren, The Netherlands

Invited Talk: Wyble, B. Bowman, H. & Nieuwenstein M (2011) Virtual ERPs: a link between computational neuroscience, behavior and electrophysiology. Endo-Neuro-Psycho Meeting, Lunteren, The Netherlands

Wyble, B., Chennu S., & Bowman H (2011) Fortunate Conjunctions Revived: Feature Binding with the 2f-ST2 Model 33rd Annual meeting of the Cognitive Science Society

Wyble, B. Craston, P., Chennu, S., & Bowman H. (2010) It Is Not Just Guessing: Behavioral and Electrophysiological Evidence for an Order-Reversal Illusion in RSVP. 51st Annual Meeting of the Psychonomic Society, St. Louis Missouri November.

Wyble, B. Craston, P., Chennu, S., & Bowman H. (2009) Virtual ERPs: a link between computational neuroscience, behavior and electrophysiology. Invited symposium lecture to Society for Psychophysiological Research annual meeting Berlin Germany, October 2009.

Wyble, B., Potter, M., Nieuwenstein, M., & Bowman, H. (2008). Episodes In visual perception: The benefit of clustered presentation in RSVP. 49th Annual Meeting of the Psychonomic Society, Chicago, Illinois, November.

Potter, M., Wyble, B., & Olejarczyk, J. (2008). Combining whole and selective report in RSVP. 49th Annual Meeting of the Psychonomic Society, Chicago, Illinois, November.

Wyble, B., Potter, M., Bowman, H., & Nieuwenstein, M. (2008). Modelling the formation of attentional episodes: It's about time. 31st European Conference on Visual Perception, Utrecht, August.

Wyble, B., Bowman, H., & Nieuwenstein, M. (2007). The episodic simultaneous type/serial token (eSTST) model of the attentional blink. Invited Symposium Talk 15th Meeting of the European Society for Cognitive Psychology, Marseille, France, August 30.

Wyble, B., Bowman, H., & Potter, M. (2007). Contingent transient attention in a spatiotemporal array. 15th Meeting of the European Society for Cognitive Psychology, Marseille, France, August 31.

Wyble, B. (2007). Sparing at a cost: The attentional blink provides a benefit of episodic distinctiveness. Invited talk, Blinks of the Mind Symposium. Amsterdam, August 24.

Wyble, B. (2007). The attentional blink and episodic working memory. British Experimental Psychology Society, Edinburgh, UK, June 6.

Wyble, B., Bowman, H., & Craston, P. (2006). Contingent transient attention in a spatiotemporal array. 47th Annual Meeting of the Psychonomic Society, Houston, TX, USA, November 16.

Wyble, B., Bowman, H., & Craston, P. (2006). Theoretical implications of simultaneous types/serial tokens. Joint British EPS/Dutch Psychonomics meeting, Birmingham, UK. April 12.

Wyble, B., Bowman, H., & Craston, P. (2005). Sparing and blinking in the simultaneous type/serial token model of the attentional blink. 46th Annual Meeting of the Psychonomic Society, Toronto, Canada, November 12.