

BRIAN JEFFREY SCHOLL

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August 2009

Academic Appointments

- | | |
|----------------|---|
| 2006 - Present | Associate Professor [Tenured], Department of Psychology
Yale University |
| 2005 - 2006 | Associate Professor [on Term], Department of Psychology
Yale University |
| 2001 - 2005 | Assistant Professor, Department of Psychology
Yale University |
| 1999 - 2000 | Postdoctoral Fellow, Vision Sciences Laboratory, Department of Psychology
Harvard University (Sponsor: Ken Nakayama) |

Education

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|------|--------------------|---|
| 1999 | Rutgers University | Ph.D. in Cognitive Psychology (Advisor: Zenon Pylyshyn) |
| 1998 | Rutgers University | M.S. in Cognitive Psychology |
| 1994 | Carleton College | B.A. in Computer Science and Psychology |

Active Research Interests

General Areas

- Visual cognition, attention, and awareness
- Core knowledge in infant cognition and adult perception
- Foundations of cognitive science

Selected Specific Topics

- How does the mind construct our conscious visual awareness?
- How is 'core knowledge' expressed in perception and cognition, in both infants and adults?
- How, when, and why do we perceive causality, animacy, and time?
- How do perception, memory, and learning interact to produce our experience of the world?
- How does the mind represent discrete objects, and identify objects as the same persisting individuals over time?
- How can we efficiently communicate information by exploiting the nature of perception?
- How do perception and cognition interact (and fail to interact)?

Academic Awards and Honors

APA Fellow (2009)

American Psychological Association (Division 3)

Early Career Alumni Award for Distinguished Accomplishments and Service (2007)

Rutgers University, Graduate School, New Brunswick, NJ

APA Distinguished Scientific Award for Early Career Contribution to Psychology (2006)

American Psychological Association ('Cognition & Learning' area)

Robert L. Fantz Memorial Award (2005)

American Psychological Association

Lex Hixon Prize for Teaching Excellence in the Social Sciences (2005)

Yale College

CASBS Fellowship Invitation (2004)

Center for Advanced Study in the Behavioral Sciences

Graduate Mentor Award (2003)

2003 Award in the Social Sciences, Yale University Graduate School of Arts & Sciences

Junior Faculty Fellowship (2003 - 2004)

Yale University

National Research Service Award, Individual Postdoctoral Fellowship (1999 – 2001)

National Institute of Mental Health

Dissertation Teaching Award (1998 - 1999)

Rutgers University Graduate School - New Brunswick

[1 of 3 awarded in university]

William James Prize for Best Graduate Student Paper (1997)

Society for Philosophy and Psychology

Professional Activities and Affiliations

Editorial Positions

Guest Co-Editor (with Johan Wagemans and Rob van Lier), Special Issue of *Acta Psychologica* on 'The Heritage of Michotte in Perception and Cognition Research' (2006; vol. 123, #1-2)

Guest Editor, Special Issue of *Cognition* on 'Objects and Attention' (2001, vol. 80, #1-2)

Action Editor, *Cognition* (2001 - 2006)

Editorial Boards

Cognition (1999 - 2007)

Psychological Science (2007 - present)

Visual Cognition (2005 - present)

Ad Hoc Reviewing: Journals

<i>Acta Psychologica</i>	<i>Journal of Vision</i>
<i>Attention, Perception, & Psychophysics</i>	<i>Neuropsychologia</i>
<i>British Journal of Psychology</i>	<i>Perception</i>
<i>Cerebral Cortex</i>	<i>Perception & Psychophysics</i>
<i>Cognition</i>	<i>Proceedings of the National Academy of Sciences</i>
<i>Cognitive Neuropsychology</i>	<i>Psyche</i>
<i>Cognitive Psychology</i>	<i>Psychological Review</i>
<i>Current Directions in Psychological Science</i>	<i>Psychological Science</i>
<i>Developmental Psychology</i>	<i>Psychonomic Bulletin & Review</i>
<i>Developmental Science</i>	<i>Quarterly Journal of Experimental Psychology</i>
<i>Infancy</i>	<i>Review of General Psychology</i>
<i>JEP: General</i>	<i>Spatial Vision</i>
<i>JEP: Human Perception & Performance</i>	<i>Trends in Cognitive Sciences</i>
<i>JEP: Learning, Memory, & Cognition</i>	<i>Vision Research</i>
<i>Journal of Neuroscience</i>	<i>Visual Cognition</i>

Ad Hoc Reviewing: Conferences, Funding Agencies, Publishers, Etc.

Austrian Science Foundation
Cognitive Science Society
National Institute of Mental Health
National Science Foundation
Object Perception and Memory Meeting
Oxford University Press
Society for Philosophy and Psychology
Wellcome Trust

Miscellaneous Professional Activities

Review Committee, Annual Meeting of the *Vision Sciences Society* (2007 - current)
 Program co-chair, 2006 Annual Meeting of the *Society for Philosophy and Psychology*
 Invited participant, *Hang Seng 'Culture and the Mind' Workshop*, February, 2005 (London, England)
 Executive Committee Member, *Society for Philosophy and Psychology* (2003 - 2006)
 External Honors Examiner, Swarthmore College, Department of Psychology (2004)
 Invited participant, *Hang Seng 'Reflections on Innateness' Workshop*, March, 2004 (Adelphi, MD)
 Invited participant, *Hang Seng 'Reflections on Innateness' Workshop*, October, 2003 (New Brunswick, NJ)
 Invited participant, *McDonnell Foundation Workshop on Infant Cognitive Development*, January, 2003 (Siena, Italy)
 Invited participant, *McDonnell Foundation Workshop on Cognitive Development*, March, 2002 (Venice, Italy)
 Invited participant, *Hang Seng Workshop on Innateness and the Structure of Mind*, October, 2001 (Newark, NJ)
 Invited participant, *McDonnell Foundation Workshop on Looking-Time Methods*, October, 2001 (Tarrytown, NY)
 Organizer and chair, 'Attention and Awareness' symposium for the 2000 meeting of the *Society for Philosophy and Psychology*, June, 2000 (New York, NY)

Publications

Edited Books

Scholl, B. J. (Ed.) (2002). *Objects and attention*. Cambridge, MA: MIT Press.

Refereed Journal Articles

Albrecht, A. R., and Scholl, B. J. (in press). Perceptually averaging in a continuous visual world: Extracting statistical summary representations over time. *Psychological Science*.

Gao, T., Newman, G. E., and Scholl, B. J. (in press). The psychophysics of chasing: A case study in the perception of animacy. *Cognitive Psychology*.

New, J. J., Schultz, R. T., Wolf, J., Niehaus, J. L., Klin, A., German, T., and Scholl, B. J. (in press). The scope of social attention deficits in autism: Prioritized orienting to people and animals in static natural scenes. *Neuropsychologia*.

Turk-Browne, N. B., Scholl, B. J., Chun, M. M., and Johnson, M. K. (in press). Neural evidence of statistical learning: Efficient detection of visual regularities without awareness. *Journal of Cognitive Neuroscience*.

Gao, T., and Scholl, B. J. (in press). Are objects required for object files?: Roles of segmentation and spatiotemporal continuity in computing object persistence. *Visual Cognition*.

New, J. J., and Scholl, B. J. (2009). Subjective time dilation: Spatially local, object-based, or a global visual experience? *Journal of Vision*, 9(2):4, 1 - 11, <http://journalofvision.org/9/2/4/>.

Turk-Browne, N. B., and Scholl, B. J. (2009). Flexible visual statistical learning: Transfer across space and time. *Journal of Experimental Psychology: Human Perception & Performance*, 35(1), 195 - 202.

Doran, M. M., Hoffman, J. E., and Scholl, B. J. (2009). The role of eye fixations in concentration and amplification effects during multiple object tracking. *Visual Cognition*, 17(4), 574 - 597.

New, J. J., and Scholl, B. J. (2008). 'Perceptual scotomas': A functional account of motion-induced blindness. *Psychological Science*, 19(7), 653 - 659.

Yi, D.-J., Turk-Browne, N. B., Flombaum, J. I., Kim, M., Scholl, B. J., and Chun, M. M. (2008). Spatiotemporal object continuity in human ventral visual cortex. *Proceedings of the National Academy of Sciences*, 105(26), 8840 - 8845.

Newman, G. E., Choi, H., Wynn, K., and Scholl, B. J. (2008). The origins of causal perception: Evidence from postdictive processing in infancy. *Cognitive Psychology*, 57(3), 262 - 291.

Turk-Browne, N. B., Scholl, B. J., and Chun, M. M. (2008). Babies and brains: Habituation in infant cognition and functional neuroimaging. *Frontiers in Human Neuroscience*, 2, Article 16.

Flombaum, J. I., Scholl, B. J., and Pylyshyn, Z. W. (2008). Attentional resources in tracking through occlusion: The high-beams effect. *Cognition*, 107(3), 904 - 931.

Cherries, E. W., Mitroff, S. R., Wynn, K., and Scholl, B. J. (2008). Cohesion as a principle of object persistence in infancy. *Developmental Science*, 11(3), 427 - 432.

- Turk-Browne, N. B., Isola, P. J., Scholl, B. J., and Treat, T. A. (2008). Multidimensional visual statistical learning. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 34(2), 399 - 407.
- Scholl, B. J. (2007). Object persistence in philosophy and psychology. *Mind & Language*, 22(5), 563 - 591.
- Ben-Shahar, O., Scholl, B. J., and Zucker, S. W. (2007). Attention, segregation, and textures: Bridging the gap between object-based attention and texture-based segregation. *Vision Research*, 47(6), 845 - 860.
- Fiser, J., Scholl, B. J., and Aslin, R. N. (2007). Perceived object trajectories during occlusion constrain visual statistical learning. *Psychonomic Bulletin & Review*, 14(1), 173 - 178.
- Jungé, J. A., Scholl, B. J., and Chun, M. M. (2007). How is spatial context learning integrated over time?: A primacy effect in contextual cueing. *Visual Cognition*, 15(1), 1 - 11.
- Mitroff, S. R., Scholl, B. J., and Noles, N. S. (2007). Object files can be purely episodic. *Perception*, 36(12), 1730 - 1735.
- Cherries, E. W., Wynn, K., and Scholl, B. J. (2006). Interrupting infants' persisting object representations: An object-based limit? *Developmental Science*, 9(5), F50 - F58.
- Flombaum, J. I., and Scholl, B. J. (2006). A temporal same-object advantage in the tunnel effect: Facilitated change detection for persisting objects. *Journal of Experimental Psychology: Human Perception & Performance*, 32(4), 840 - 853.
- Choi, H., and Scholl, B. J. (2006). Measuring causal perception: Connections to representational momentum? *Acta Psychologica*, 123(1-2), 91 - 111.
- Wagemans, J., Van Lier, R., and Scholl, B. J. (2006). Introduction to Michotte's heritage in perception and cognition research. *Acta Psychologica*, 123(1-2), 1 - 19.
- Cherries, E. W., Newman, G. E., Santos, L. R., and Scholl, B. J. (2006). Units of visual individuation in rhesus macaques (*Macaca mulatta*): Objects or unbound visual features? *Perception*, 35(8), 1057 - 1071.
- Choi, H., and Scholl, B. J. (2006). Perceiving causality after the fact: Postdiction in the temporal dynamics of causal perception. *Perception*, 35(3), 385 - 399.
- Most, S. B., Scholl, B. J., Clifford, E., and Simons, D. J. (2005). What you see is what you set: Sustained inattention blindness and the capture of awareness. *Psychological Review*, 112(1), 217 - 242.
- Turk-Browne, N. B., Junge, J. A., and Scholl, B. J. (2005). The automaticity of visual statistical learning. *Journal of Experimental Psychology: General*, 134(4), 552 - 564.
- Alvarez, G. A., and Scholl, B. J. (2005). How does attention select and track spatially extended objects?: New effects of attentional concentration and amplification. *Journal of Experimental Psychology: General*, 134(4), 461 - 476.
- Endress, A. D., Scholl, B. J., and Mehler, J. (2005). The role of salience in the extraction of algebraic rules. *Journal of Experimental Psychology: General*, 134(3), 406 - 419.

- Mitroff, S. R., and Scholl, B. J. (2005). Forming and updating object representations without awareness: Evidence from motion-induced blindness. *Vision Research*, 45(8), 961 - 967.
- Mitroff, S. R., Scholl, B. J., and Wynn, K. (2005). The relationship between object files and conscious perception. *Cognition*, 96(1), 67 - 92.
- Noles, N., Scholl, B. J., and Mitroff, S. R. (2005). The persistence of object-file representations. *Perception & Psychophysics*, 67(2), 324 - 334.
- Marino, A. C., and Scholl, B. J. (2005). The role of closure in defining the 'objects' of object-based attention. *Perception & Psychophysics*, 67(7), 1140 - 1149.
- Flombaum, J. I., Kundey, S. M., Santos, L. R., and Scholl, B. J. (2004). Dynamic object individuation in rhesus macaques: A study of the tunnel effect. *Psychological Science*, 15(12), 795 - 800.
- Mitroff, S. R., Scholl, B. J., and Wynn, K. (2004). Divide and conquer: How object files adapt when a persisting object splits into two. *Psychological Science*, 15(6), 420 - 425.
- Mitroff, S. R., and Scholl, B. J. (2004). Perceiving the disappearance of unseen objects. *Perception*, 33(10), 1267 - 1273.
- Scholl, B. J., and Nakayama, K. (2004). Illusory causal crescents: Misperceived spatial relations due to perceived causality. *Perception*, 33(4), 455 - 469.
- Choi, H., and Scholl, B. J. (2004). Effects of grouping and attention on the perception of causality. *Perception and Psychophysics*, 66(6), 926 - 942.
- vanMarle, K., and Scholl, B. J. (2003). Attentive tracking of objects vs. substances. *Psychological Science*, 14(5), 498 - 504.
- Scholl, B. J., and Nakayama, K. (2002). Causal capture: Contextual effects on the perception of collision events. *Psychological Science*, 13(6), 493 - 498.
- Scholl, B. J. (2001a). Objects and attention: The state of the art. *Cognition*, 80(1/2), 1 - 46.
- Scholl, B. J., Pylyshyn, Z. W., and Feldman, J. (2001). What is a visual object? Evidence from target merging in multiple-object tracking. *Cognition*, 80(1/2), 159 - 177.
- Most, S. B., Simons, D. J., Scholl, B. J., Jiminez, R., Clifford, E., and Chabris, C. F. (2001). How not to be seen: The contribution of similarity and selective ignoring to sustained inattentional blindness. *Psychological Science*, 12(1), 9 - 17.
- Scholl, B. J., and Tremoulet, P. (2000). Perceptual causality and animacy. *Trends in Cognitive Sciences*, 4(8), 299 - 309.
- Scholl, B. J. (2000). Attenuated change blindness for exogenously attended items in a flicker paradigm. *Visual Cognition*, 7(1/2/3), 377 - 396.
- Reprinted as: Scholl, B. J. (2000). Attenuated change blindness for exogenously attended items in a flicker paradigm. In D. J. Simons (Ed.), *Change Blindness and Visual Memory* (pp. 377 - 396). Psychology Press.
- Most, S. B., Simons, D. J., Scholl, B. J., and Chabris, C. F. (2000). Sustained inattentional blindness: The role of location in the detection of unexpected dynamic events. *Psyche*, 6(14).

Scholl, B. J., and Leslie, A. M. (1999a). Modularity, development, and 'theory of mind'. *Mind and Language*, 14(1), 131 - 153.

Scholl, B. J., and Pylyshyn, Z. W. (1999). Tracking multiple items through occlusion: Clues to visual objecthood. *Cognitive Psychology*, 38, 259 - 290.

Leslie, A. M., Xu, F., Tremoulet, P., and Scholl, B. J. (1998). Indexing and the object concept: Developing 'what' and 'where' systems. *Trends in Cognitive Sciences*, 2(1), 10 - 18.

Scholl, B. J. (1997a). Reasoning, rationality, and architectural resolution. *Philosophical Psychology*, 10(4), 451 - 470.

Book Chapters

Scholl, B. J., and Flombaum, J. I. (in press). Object persistence. In B. Goldstein (Ed.), *Encyclopedia of Perception*. Thousand Oaks, CA: Sage Publications.

Scholl, B. J., and Turk-Browne, N. B. (in press). Statistical learning. In B. Goldstein (Ed.), *Encyclopedia of Perception*. Thousand Oaks, CA: Sage Publications.

Scholl, B. J. (2009). What have we learned about attention from multiple object tracking (and vice versa)? In D. Dedrick & L. Trick (Eds.), *Computation, cognition, and Pylyshyn* (pp. 49 - 78). Cambridge, MA: MIT Press.

Cherries, E. W., Mitroff, S. R., Wynn, K., and Scholl, B. J. (2009). Do the same principles constrain persisting object representations in infant cognition and adult perception?: The cases of continuity and cohesion. In B. Hood & L. Santos (Eds.), *The Origins of Object Knowledge* (pp. 107 - 134). Oxford University Press.

Flombaum, J. I., Scholl, B. J., and Santos, L. R. (2009). Spatiotemporal priority as a fundamental principle of object persistence. In B. Hood & L. Santos (Eds.), *The Origins of Object Knowledge* (pp. 135 - 164). Oxford University Press.

Scholl, B. J. (2005). Innateness and (Bayesian) visual perception: Reconciling nativism and development. In P. Carruthers, S. Laurence, & S. Stich (Eds.), *The innate mind: Structure and contents* (pp. 34 - 52). Oxford University Press.

Scholl, B. J., Simons, D. J., and Levin, D. T. (2004). 'Change blindness' blindness: An implicit measure of a metacognitive error. In D. T. Levin (Ed.), *Thinking and seeing: Visual metacognition in adults and children* (pp. 145 - 164). Cambridge, MA: MIT Press.

Scholl, B. J., and Leslie, A. M. (1999b). Explaining the infant's object concept: Beyond the perception/cognition dichotomy. In E. Lepore & Z. Pylyshyn (Eds.), *What is cognitive science?* (pp. 26 - 73). Oxford: Blackwell.

Commentaries and Book Reviews

Scholl, B. J. (2004). Can infants' object concepts be trained? *Trends in Cognitive Sciences*, 8(2), 49 - 51.

Scholl, B. J., and Leslie, A. M. (2001). Minds, modules, and meta-analysis. *Child Development*, 72(3), 696 - 701.

Reprinted as: Scholl, B. J., and Leslie, A. M. (2004). Minds, modules, and meta-analysis. In M. Mason (Ed.), *Taking sides: Clashing views on controversial issues in cognitive science* (pp. 34 - 43). McGraw-Hill.

Scholl, B. J., and Simons, D. J. (2001). Change blindness, Gibson, and the sensorimotor theory of vision. *Behavioral and Brain Sciences*, 24(5), 1004 - 1005.

Scholl, B. J. (2001b). Spatiotemporal priority and object identity. *Cahiers de Psychologie Cognitive*, 20(5), 359 - 371.

Scholl, B. J., and Xu, Y. (2001). The magical number 4 in vision. *Behavioral and Brain Sciences*, 24(1), 145 - 146.

Scholl, B. J. (1997b). Neural constraints on cognitive modularity? *Behavioral and Brain Sciences*, 20(4), 575 - 576.

Articles Under Review

Gao, T., McCarthy, G., and Scholl, B. J. (under review). Perception of animacy irresistibly influences interactive behavior. Manuscript submitted for publication.

New, J. J., and Scholl, B. J. (under review). The functional nature of motion-induced blindness: Further explorations of the 'perceptual scotoma' hypothesis. Manuscript submitted for publication.

Turk-Browne, N. B., Scholl, B. J., Johnson, M. K., and Chun, M. M. (under review). Statistical learning triggers implicit perceptual anticipation. Manuscript submitted for publication.

Cherries, E. W., Feigenson, L., Scholl, B. J., and Carey, S. (under review). Cues to object persistence in infancy: Tracking objects through occlusion vs. implosion. Manuscript submitted for publication.

Ellner, S., Flombaum, J. I., and Scholl, B. J. (under review). Extrapolation vs. individuation in multiple object tracking. Manuscript submitted for publication.

Flombaum, J. I., and Scholl, B. J. (under review). The influence of motion on attention. Manuscript submitted for publication.

White, A. L., and Scholl, B. J. (under review). Inattention blindness, object persistence, and foveal inhibition. Manuscript submitted for publication.

Working Papers

Scholl, B. J. (in preparation). *Perceiving persisting objects: A case study in cognitive science*. Book in preparation.

Scholl, B. J. (in preparation). Visual cognition. *Annual Review of Psychology*. Invited review to appear in 2012.

Scholl, B. J., Flombaum, J. I., and Mitroff, S. R. (invited review in preparation). Perceiving persisting objects. *Trends in Cognitive Sciences*.

Newman, G. E., and Scholl, B. J. (in preparation). Bar graphs depicting averages are perceptually misinterpreted. Manuscript in preparation.

Alvarez, G. A., White, A., and Scholl, B. J. (in preparation). The role of spatiotemporal stability in attentional selection. Manuscript in preparation.

Catena, J., Isola, P. J., Turk-Browne, N. B., and Scholl, B. J. (in preparation). The onset and offset of visual statistical learning. Manuscript in preparation.

Scholl, B. J., Noles, N., Pasheva, V., and Sussman, R. (in preparation). Driving blind: Talking on a cellular telephone dramatically increases sustained inattentive blindness. Manuscript in preparation.

Scholl, B. J., and Feigenson, L. (in preparation). When out of sight is out of mind: Perceiving object persistence through occlusion vs. implosion in multiple-object tracking. Manuscript in preparation.

Chan, D. T., Scholl, B. J., Scassellatti, B., and Qian, H. (in preparation). Computational models of heuristic strategies in multiple-object tracking. Manuscript in preparation.

Franconeri, S. L., Pylyshyn, Z. W., and Scholl, B. J. (in preparation). Spatiotemporal cues for tracking objects through occlusion. Manuscript in preparation.

Nevarez, H. G., and Scholl, B. J. (in preparation). Why so slow? The role of speed in maintaining object persistence through occlusion. Manuscript in preparation.

Scholl, B. J. (in preparation). Academic authorship and the replaceability principle. Manuscript in preparation.

Invited Conference and Workshop Presentations

Scholl, B. J. (2009). The logic of seeing (and not seeing). Invited talk given at the ANU workshop on *Attention and Consciousness*, Australian National University, 6/25/09, Canberra, ACT, Australia.

Scholl, B. J. (2008). Varieties of social attention. Invited talk given at the working meeting on *The Cognitive Phenotype in Autism*, 9/7/08, New York, NY.

Scholl, B. J. (2008). Two kinds of experimental philosophy, and their methodological dangers. Invited talk given at the *SPP Workshop on Experimental Philosophy*, University of Pennsylvania, 6/25/08, Philadelphia, PA.

Scholl, B. J. (2008). Perceived animacy, modularity, and the psychophysics of chasing. Invited talk given at the ONR workshop on *Spanning the Socio-Cognitive Modeling Gap: From Development to Social Simulation*, MIT, 2/29/08, Cambridge, MA.

Scholl, B. J. (2006). Object persistence in philosophy and psychology. Invited presentation at the *Philosophy of Perception* seminar, Brown University, 10/24/06, Providence, RI.

Scholl, B. J. (2006). The future of cognitive science (education). Invited discussion presented at the *Cognitive Science Curriculum Workshop*, Indiana University, 6/27/06, Bloomington, IN.

Scholl, B. J. (2006). Object persistence. Invited talk given at the *Mind & Language Workshop on 'Objects'*, 6/9/06, London, England.

- Scholl, B. J. (2006). Perceiving persisting objects: Implications for metaphysics? Invited presentation made to Steve Stich's *Experimental Philosophy* seminar, Rutgers University, 3/31/06, New Brunswick, NJ.
- Scholl, B. J. (2005). The nature of causal perception. Invited talk given at the 2005 J. R. Nuttin Workshop, *The Legacy of Albert Michotte*, 9/24/05, Leuven, Belgium.
- Scholl, B. J. (2005). Objects and attention. Invited talk given at the National Academy of Sciences *Frontiers of Science Symposium* (German-American meeting), 6/4/05, Irvine, CA.
- Scholl, B. J. (2005). The nature and importance of object tracking. Invited talk given at the 'Zencon' conference in honor of Zenon Pylyshyn, 5/1/05, Guelph, Ontario.
- Mitroff, S. R., Scholl, B. J., and Wynn, K. (2005). What vision researchers can learn from infants: Evidence of core principles guiding adult object persistence. Invited talk presented at the *ESRC Council Symposium on Comparative Issues in Object Representation*, 4/23/05, New Haven, CT.
- Cherries, E., Wynn, K., and Scholl, B. J. (2005). What infancy researchers can learn from adults: Evidence of core principles guiding infant object persistence. Invited talk presented at the *ESRC Council Symposium on Comparative Issues in Object Representation*, 4/23/05, New Haven, CT.
- Flombaum, J. I., Santos, L. R., and Scholl, B. J. (2005). Persisting object representations in adult monkeys (*Macaca mulatta*) and humans. Invited talk presented at the *ESRC Council Symposium on Comparative Issues in Object Representation*, 4/22/05, New Haven, CT.
- Scholl, B. J. (2005). The nature of causal perception. Invited talk given at the *AHRB Workshop on Causal Understanding*, 4/1/05, Warwick, England.
- Scholl, B. J. (2004). Perceiving persisting objects. Invited symposium talk given at the First Joint Conference of the *Society for Philosophy & Psychology* and the *European Society for Philosophy & Psychology*, 7/6/04, Barcelona, Spain.
- Scholl, B. J. (2002). The units of attention. Invited address given at the *Second International Symposium on the Integrative use of Internal Knowledge and External Information in Human Cognition*, 10/4/02, Kyoto, Japan.
- Scholl, B. J. (2002). Perceiving persisting objects. Invited address given at the *First International Workshop on Attention and Cognition*, 10/8/02, Kyoto, Japan.
- Scholl, B. J. (2002). Attention, awareness, and metacognition. Invited talk given at the *Kent Forum on Visual Metacognition*, 6/3/02, Millersburg, OH.
- Scholl, B. J. (2002). Commentary on Gallistel (2000). Invited commentary given at the *Hang Seng Workshop on Innateness and the Structure of Mind*, 4/6/02, Sheffield, England.
- Scholl, B. J. (2001). Is there a science of mind, brain, and behavior? Invited keynote address given at the annual *Harvard Mind, Brain, & Behavior Undergraduate Conference*, 4/28/01, Cambridge, MA.
- Scholl, B. J. (1999). Two ways of asking 'What is a visual object?' (and some answers). Invited talk given at the annual meeting of the *Cognitive Science Society*, 8/21/99, Vancouver, British Columbia.

Scholl, B. J. (1999). Objecthood in cognitive development and visual attention. Invited talk given at the *Rutgers Symposium on Learning: Object Cognition*, 5/22/99, Piscataway, NJ.

Submitted Conference Presentations

McCarthy, G., Gao, T., and Scholl, B. J. (2009). Processing animacy in the posterior superior temporal sulcus. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/13/09, Naples, FL. [Abstract published in *Journal of Vision*, 9(8), 775a, <http://journalofvision.org/9/8/775/> .]

Ellner, S., Flombaum, J. I., and Scholl, B. J. (2009). Extrapolation vs. individuation in multiple object tracking. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/12/09, Naples, FL. [Abstract published in *Journal of Vision*, 9(8), 250a, <http://journalofvision.org/9/8/250/> .]

Albrecht, A. R., and Scholl, B. J. (2009). Perceptually averaging in a continuous visual world: Extracting statistical summary representations over time. Talk given at the annual meeting of the *Vision Sciences Society*, 5/11/09, Naples, FL. [Abstract published in *Journal of Vision*, 9(8), 957a, <http://journalofvision.org/9/8/957/> .]

Gao, T., McCarthy, G., and Scholl, B. J. (2009). 'Directionality' as an especially powerful cue to perceived animacy: Evidence from 'wolfpack' manipulations. Talk given at the annual meeting of the *Vision Sciences Society*, 5/10/09, Naples, FL. [Abstract published in *Journal of Vision*, 9(8), 680a, <http://journalofvision.org/9/8/680/> .]

Betzler, R. J., Turk-Browne, N. B., Christiansen, M. H., and Scholl, B. J. (2009). Statistical learning in everyday perception: The case of variable segment lengths. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/10/09, Naples, FL. [Abstract published in *Journal of Vision*, 9(8), 929a, <http://journalofvision.org/9/8/929/> .]

New, J. J., and Scholl, B. J. (2009). The functional nature of motion-induced blindness: Further explorations of the 'perceptual scotoma' hypothesis. Talk given at the annual meeting of the *Vision Sciences Society*, 5/9/09, Naples, FL. [Abstract published in *Journal of Vision*, 9(8), 253a, <http://journalofvision.org/9/8/253/> .]

Sloane, S., Baillargeon, R., Simons, D. J., and Scholl, B. J. (2009). Can infants maintain their representations of hidden objects through an interrupting event? Poster presented at the annual meeting of the *Society for Research in Child Development*, 4/2/09, Denver, CO.

Turk-Browne, N. B., Scholl, B. J., Johnson, M. K., and Chun, M. M. (2008). Prospection during incidental visual statistical learning of predictive temporal regularities. Talk given at the annual meeting of the *Society for Neuroscience*, 11/15/08, Washington, DC.

New, J. J., Schultz, R. T., Wolf, J., Niehaus, J. L., Klin, A., German, T., and Scholl, B. J. (2008). The scope of social attention deficits in autism: Prioritized orienting to people and animals in static natural scenes. Talk given at the annual meeting of the *Vision Sciences Society*, 5/12/08, Naples, FL. [Abstract published in *Journal of Vision*, 8(6), 684a, <http://journalofvision.org/8/6/684/> .]

Turk-Browne, N. B., Johnson, M. K., Chun, M. M., and Scholl, B. J. (2008). Neural evidence of statistical learning: Incidental detection and anticipation of regularities. Talk given at the annual meeting of the *Vision Sciences Society*, 5/12/08, Naples, FL. [Abstract published in *Journal of Vision*, 8(6), 695a, <http://journalofvision.org/8/6/695/> .]

Flombaum, J. J., and Scholl, B. J. (2008). How does attention operate during multiple object tracking?: Evidence from the 'slot-machine' task for parallel access to target features. Talk given at the annual meeting of the *Vision Sciences Society*, 5/10/08, Naples, FL. [Abstract published in *Journal of Vision*, 8(6), 223a, <http://journalofvision.org/8/6/223/> .]

Gao, T., Newman, G. E., and Scholl, B. J. (2008). The psychophysics of chasing. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/10/08, Naples, FL. [Abstract published in *Journal of Vision*, 8(6), 314a, <http://journalofvision.org/8/6/314/> .]

Cherries, E., Feigenson, L., Scholl, B. J., and Carey, S. (2008). Cues to object persistence in infancy: Tracking objects through occlusion vs. implosion. Poster presented at the *International Conference on Infant Studies*, 3/29/08, Vancouver, BC, Canada.

Nurmsoo, E., and Scholl, B. J. (2007). Word learning and unlearning: Preschoolers revise the meanings of newly learned words. Poster presented at the annual meeting of the *European Society for Philosophy and Psychology*, 7/10/07, Geneva, Switzerland.

Flombaum, J., and Scholl, B. J. (2007). Attending to moving vs. static stimuli: A surprising dissociation in multiple object tracking. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/15/07, Sarasota, FL. [Abstract published in *Journal of Vision*, 7(9), 894a, <http://journalofvision.org/7/9/894/> .]

Gao, T., and Scholl, B. J. (2007). Are objects required for object-files? Poster presented at the annual meeting of the *Vision Sciences Society*, 5/15/07, Sarasota, FL. [Abstract published in *Journal of Vision*, 7(9), 916a, <http://journalofvision.org/7/9/916/> .]

Isola, P., Turk-Browne, N., and Scholl, B. J. (2007). Multidimensional visual statistical learning. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/11/07, Sarasota, FL. [Abstract published in *Journal of Vision*, 7(9), 43a, <http://journalofvision.org/7/9/43/> .]

New, J., and Scholl, B. J. (2007). A 'perceptual scotoma' theory of motion-induced blindness. Talk given at the annual meeting of the *Vision Sciences Society*, 5/15/07, Sarasota, FL. [Abstract published in *Journal of Vision*, 7(9), 779a, <http://journalofvision.org/7/9/779/> .]

- Newman, G., Choi, H., Wynn, K., and Scholl, B. J. (2007). The origins of causal perception: Evidence from postdictive processing in infancy. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/15/07, Sarasota, FL [Abstract published in *Journal of Vision*, 7(9), 917a, <http://journalofvision.org/7/9/917/>.]
- White, A., and Scholl, B. J. (2007). Inattention blindness, object persistence, and foveal inhibition. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/13/07, Sarasota, FL [Abstract published in *Journal of Vision*, 7(9), 540a, <http://journalofvision.org/7/9/540/>.]
- Scholl, B. J., and Turk-Browne, N. B. (2006). Constraints on visual statistical learning reveal its underlying nature. Talk given in the 'Statistical learning: Mechanisms and limitations' symposium, annual meeting of the *Psychonomic Society*, 11/18/06, Houston, TX.
- Doran, M. M., Hoffman, J. E., and Scholl, B. J. (2006). The role of eye fixations in amplification and concentration effects during MOT. Poster presented at the annual meeting of the *Psychonomic Society*, 11/18/06, Houston, TX. [Abstract published in *Abstracts of the Psychonomic Society*, 11, p. 134]
- Franconeri, S. L., Pylyshyn, Z. W., and Scholl, B. J. (2006). Spatiotemporal cues for tracking multiple objects through occlusion. Talk given at the annual meeting of the *Vision Sciences Society*, 5/10/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 1102a, <http://www.journalofvision.org/6/6/1102/>.]
- Jungé, J. A., Chun, M. M., and Scholl, B. J. (2006). Primacy effects in contextual cueing. Talk given at the annual meeting of the *Vision Sciences Society*, 5/10/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 1089a, <http://www.journalofvision.org/6/6/1089/>.]
- Isola, P. J., Turk-Browne, N. B., Scholl, B. J., and Treat, T. A. (2006). The units of visual statistical learning: Features or objects? Poster presented at the annual meeting of the *Vision Sciences Society*, 5/9/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 981a, <http://www.journalofvision.org/6/6/981/>.]
- Shankar, M. U., Flombaum, J. I., and Scholl, B. J. (2006). The role of topological change in object persistence. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/9/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 988a, <http://www.journalofvision.org/6/6/988/>.]
- Yi, D., Turk-Browne, N. B., Flombaum, J. I., Scholl, B. J., and Chun, M. M. (2006). Effects of spatiotemporal object continuity on repetition attenuation in human fusiform gyrus. Talk given at the annual meeting of the *Vision Sciences Society*, 5/9/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 815a, <http://www.journalofvision.org/6/6/815/>.]
- Flombaum, J. I., Scholl, B. J., and Pylyshyn, Z. W. (2006). 'Attentional high-beams' in tracking through occlusion. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/8/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 765a, <http://www.journalofvision.org/6/6/765/>.]
- Turk-Browne, N. B., and Scholl, B. J. (2006). The space-time continuum: Spatial visual statistical learning produces temporal processing advantages. Talk given at the annual meeting of the *Vision Sciences Society*, 5/8/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 676a, <http://www.journalofvision.org/6/6/676/>.]
- New, J. J., and Scholl, B. J. (2006). The spatial distribution of subjective time dilation. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/7/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 597a, <http://www.journalofvision.org/6/6/597/>.]
- Cherries, E. W., Wynn, K., and Scholl, B. J. (2006). Interrupting infants' persisting object representations: An object-based limit? Poster presented at the annual meeting of the *Vision Sciences Society*, 5/6/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 298a, <http://www.journalofvision.org/6/6/298/>.]
- Choi, H., and Scholl, B. J. (2006). Blindness to swapping features in simple dynamic events. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/6/06, Sarasota, FL. [Abstract published in *Journal of Vision*, 6(6), 299a, <http://www.journalofvision.org/6/6/299/>.]
- Scholl, B. J. (2006). Using MOT to study object persistence and object-based attention. Talk given at the Pre-Conference Workshop on 'Twenty years of multiple object tracking: What have we learned?', *Vision Sciences Society*, 5/5/06, Sarasota, FL.
- Mitroff, S. R., Scholl, B. J., and Wynn, K. (2005). One plus one equals one: The effects of merging on object files. Poster presented at the annual meeting of the *Psychonomic Society*, 11/11/05, Toronto, Canada.
- Franconeri, S. L., Pylyshyn, Z. W., and Scholl, B. J. (2005). Spatiotemporal cues for tracking multiple objects through occlusion. Talk given at the annual *Object Perception, Attention, and Memory* meeting, 11/10/05, Toronto, Canada. [Summary published in *Visual Cognition* (2006), 14(1), 100 - 103.]
- Turk-Browne, N. B., Junge, J. A., and Scholl, B. J. (2005). Attention and automaticity in visual statistical learning. Talk given at the annual meeting of the *Vision Sciences Society*, 5/11/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 1067a, <http://journalofvision.org/5/8/1067/>.]
- Mitroff, S. R., Cherries, E. W., Wynn, K., and Scholl, B. J. (2005). Cohesion as a principle of object persistence in infants and adults. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/10/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 1043a, <http://journalofvision.org/5/8/1043/>.]

- Choi, H., and Scholl, B. J. (2005). Can the perception of causality be measured with representational momentum? Poster presented at the annual meeting of the *Vision Sciences Society*, 5/9/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 655a, <http://journalofvision.org/5/8/655/>.]
- Scholl, B. J., and Alvarez, G. A. (2005). How does attention select and track spatially extended objects?: New effects of attentional concentration and amplification. Talk given at the annual meeting of the *Vision Sciences Society*, 5/9/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 640a, <http://journalofvision.org/5/8/640/>.]
- Flombaum, J. I., and Scholl, B. J. (2005). Visual working memory for dynamic objects: Manipulations of motion and persistence in sequential change detection. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/8/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 613a, <http://journalofvision.org/5/8/613/>.]
- Junge, J. A., Turk-Browne, N. B., and Scholl, B. J. (2005). Visual statistical learning through intervening noise. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/8/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 421a, <http://journalofvision.org/5/8/421/>.]
- Noles, N. S., and Scholl, B. J. (2005). What's in an object file? Integral vs. separable features. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/8/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 614a, <http://journalofvision.org/5/8/614/>.]
- Cherries, E., Feigenson, L., Scholl, B. J., and Carey, S. (2005). Cues to object persistence in infancy: Tracking objects through occlusion vs. implosion. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/7/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 352a, <http://journalofvision.org/5/8/352/>.]
- DiMase, J. S., Chun, M. M., Scholl, B. J., Wolfe, J. M., and Horowitz, T. S. (2005). Learning scenes while tracking disks: The effect of MOT load on picture recognition. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/6/05, Sarasota, FL. [Abstract published in *Journal of Vision*, 5(8), 73a, <http://journalofvision.org/5/8/73/>.]
- Mitroff, S. R., Wynn, K., and Scholl, B. J. (2005). Exploring persisting object representations with infants and adults. Talk given at the biannual meeting of the *Society for Research in Child Development*, 4/10/05, Chicago, IL.
- Cherries, E., Santos, L. R., and Scholl, B. J. (2004). Units of visual identification in rhesus macaques (*Macaca mulatta*): Objects or unbound visual features? Poster presented at the annual meeting of the *Vision Sciences Society*, 5/4/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 819a, <http://journalofvision.org/4/8/819/>.]
- Flombaum, J. I., and Scholl, B. J. (2004). A temporal same-object advantage for persisting objects: Change-detection studies of the 'tunnel effect'. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/4/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 730a, <http://journalofvision.org/4/8/730/>.]
- Fiser, J., Scholl, B. J., and Aslin, R. N. (2004). Perception of object trajectories during occlusion constrains statistical learning of visual features. Talk given at the annual meeting of the *Vision Sciences Society*, 5/4/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 189a, <http://journalofvision.org/4/8/189/>.]
- Mitroff, S. R., and Scholl, B. J. (2004). Online grouping and segmentation without awareness: Evidence from motion-induced blindness. Talk given at the annual meeting of the *Vision Sciences Society*, 5/4/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 201a, <http://journalofvision.org/4/8/201/>.]
- Sussman, R. S., and Scholl, B. J. (2004). Finding the mean: The flexibility and limitations of visual statistical processing. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/4/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 727a, <http://journalofvision.org/4/8/727/>.]
- Choi, H., and Scholl, B. J. (2004). The temporal dynamics of causal perception. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/3/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 571a, <http://journalofvision.org/4/8/571/>.]
- Scholl, B. J., and Feigenson, L. (2004). When out of sight is out of mind: Perceiving object persistence through occlusion vs. implosion. Talk given at the annual meeting of the *Vision Sciences Society*, 5/1/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 26a, <http://journalofvision.org/4/8/26/>.]
- Marino, A. C., and Scholl, B. J. (2004). The role of closure in defining the 'objects' of object-based attention. Poster presented at the annual meeting of the *Vision Sciences Society*, 4/30/04, Sarasota, FL. [Abstract published in *Journal of Vision*, 4(8), 270a, <http://journalofvision.org/4/8/270/>.]
- Mitroff, S. R., Wynn, K., Scholl, B. J., Johnson, S. P., and Shuwairi, S. M. (2004). 'Bouncing vs. streaming' as a measure of infants' dynamic object individuation. Poster presented at the annual meeting of the *International Society on Infant Studies*, 5/?/04, Chicago, IL.
- Cherries, E., Wynn, K., and Scholl, B. J. (2004). Limits on the number of active object indexes in infancy. Poster presented at the annual meeting of the *International Society on Infant Studies*, 5/?/04, Chicago, IL.
- Weierich, M. R., Treat, T. A., and Scholl, B. J. (2003). Attentional capture and disengagement in specific phobia. Poster presented at the annual meeting of the *Association for Advancement of Behavior Therapy*, 11/21/03, Boston, MA.

- Scholl, B. J., Ben-Shahar, O., and Marino, A. (2003). What counts as an 'object' of object-based attention? Talk given at the annual meeting of the *Psychonomic Society*, 11/8/03, Vancouver, Canada. [Abstract published in *Abstracts of the Psychonomic Society*, 8, p. 176]
- Mitroff, S. R., and Scholl, B. J. (2003). Perceiving the disappearance of unseen objects in motion-induced blindness. Talk given at the annual *Object Perception, Attention, and Memory* meeting, 11/6/03, Vancouver, Canada.
- Scholl, B. J., Noles, N. S., Pasheva, V., and Sussman, R. (2003). Talking on a cellular telephone dramatically increases 'sustained inattention blindness'. Talk given at the annual meeting of the *Vision Sciences Society*, 5/13/03, Sarasota, FL. [Abstract published in *Journal of Vision*, 3(9), 156a, <http://journalofvision.org/3/9/156/> .]
- Choi, H., and Scholl, B. J. (2003). Effects of grouping and attention on the perception of causality. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/11/03, Sarasota, FL. [Abstract published in *Journal of Vision*, 3(9), 544a, <http://journalofvision.org/3/9/544/> .]
- vanMarle, K., and Scholl, B. J. (2003). Attentive tracking of objects vs. substances. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/11/03, Sarasota, FL. [Abstract published in *Journal of Vision*, 3(9), 586a, <http://journalofvision.org/3/9/586/> .]
- Ben-Shahar, O., Scholl, B. J., and Zucker, S. (2003). Where objects come from: Attention, segmentation, and textures. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/10/03, Sarasota, FL. [Abstract published in *Journal of Vision*, 3(9), 474a, <http://journalofvision.org/3/9/474/> .]
- Mitroff, S. R., Scholl, B. J., and Wynn, K. (2003). The relationship between object files and conscious perception. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/9/03, Sarasota, FL. [Abstract published in *Journal of Vision*, 3(9), 338a, <http://journalofvision.org/3/9/338/> .]
- Noles, N. S., and Scholl, B. J. (2003). The persistence of object-file representations. Poster presented at the annual meeting of the *Vision Sciences Society*, 5/9/03, Sarasota, FL. [Abstract published in *Journal of Vision*, 3(9), 324a, <http://journalofvision.org/3/9/324/> .]
- Scholl, B. J., and Nevarez, H. G. (2002). Why so slow?: The role of speed discontinuities in maintaining object persistence through occlusion. Talk given at the annual meeting of the *Psychonomic Society*, 11/22/02, Kansas City, KS. [Abstract published in *Abstracts of the Psychonomic Society*, 7, 19.]
- Scholl, B. J., and Feldman, J. (2002). The temporal dynamics of object formation in object-based attention. Talk given at the annual meeting of the *Vision Sciences Society*, 5/11/02, Sarasota, FL. [Abstract published in *Journal of Vision*, 2(7), 248a, <http://journalofvision.org/2/7/248/> .]
- Scholl, B. J., and Nakayama, K. (2001). Causal capture: Contextual effects on the perception of collision events. Talk given at the annual meeting of the *Vision Sciences Society*, 5/8/01, Sarasota, FL.
- Scholl, B. J., and Nakayama, K. (2000). Contextual effects on the perception of causality. Poster presented at the annual meeting of the *Psychonomic Society*, 11/18/00, New Orleans, LA. [Abstract published in *Abstracts of the Psychonomic Society*, 5, 91.]
- Scholl, B. J., Simons, D. J., and Levin, D. T. (2000). Implicit beliefs about change detection and change blindness. Talk given at the annual meeting of the *Psychonomic Society*, 11/17/00, New Orleans, LA. [Abstract published in *Abstracts of the Psychonomic Society*, 5, 29.]
- Most, S. B., Clifford, E., Scholl, B. J., and Simons, D. J. (2000). What you see is what you set: The role of attentional set in explicit attentional capture. Poster presented at the *Object Perception and Memory* meeting, 11/16/00, New Orleans, LA.
- Singh, M. and Scholl, B. J. (2000). Using attentional cueing to explore part structure. Poster presented at the *Object Perception and Memory* meeting, 11/16/00, New Orleans, LA.
- Scholl, B. J., Pylyshyn, Z. W., and Feldman, J. (2000). What is a visual object? Evidence from 'target merging' in multiple object tracking. Talk given at the *Association for Research in Vision and Ophthalmology*, 5/4/00, Ft. Lauderdale, FL. [Abstract published in *Investigative Ophthalmology and Visual Science*, 41(4), S759]
- Scholl, B. J., Pylyshyn, Z. W., and Feldman, J. (1999). What is a visual object? Evidence from multi-element tracking. Poster presented at the *Object Perception and Memory* meeting, 11/18/99, Los Angeles, CA.
- Most, S., Simons, D., and Scholl, B. J. (1999). Prolonged inattention blindness for a visually distinctive, dynamic event. Paper presented at the annual meeting of the *European Conference on Visual Perception*, 8/25/99, Trieste, Italy.
- Scholl, B. J., Pylyshyn, Z. W., and Franconeri, S. (1999). When are spatiotemporal and featural properties encoded as a result of attentional allocation? Talk given at the *Association for Research in Vision and Ophthalmology*, 5/13/99, Ft. Lauderdale, FL. [Abstract published in *Investigative Ophthalmology and Visual Science*, 40(4), S797]
- Scholl, B. J. (1999). Detecting changes during 3 types of attentional allocation. Talk given at the vision/attention mini-conference at the *Eastern Psychological Association*, 4/16/99, Providence, RI.
- Scholl, B. J. (1998). Change blindness and exogenous attentional capture. Talk given at the *Object Perception and Memory* meeting, 11/19/98, Dallas, TX.

Scholl, B. J., and Leslie, A. M. (1998). Modularity, development, and 'theory of mind'. Talk given at the 24th annual meeting of the *Society for Philosophy and Psychology*, 6/11/98, Minneapolis, MN.

Scholl, B. J., and Pylyshyn, Z. W. (1998). Tracking multiple items through occlusion: Clues to visual objecthood. Talk given at the *Association for Research in Vision and Ophthalmology*, 5/14/98, Ft. Lauderdale, FL. [Abstract published in *Investigative Ophthalmology and Visual Science*, 39(4), S872.

Scholl, B. J. (1997). Cognitive development and cognitive architecture: Two senses of 'surprise'. Talk given at the 23rd Annual Meeting of the *Society for Philosophy and Psychology*, 6/5/97, New York, NY. [Winner, 1997 *William James Prize* for Best Graduate Student Paper]

Invited Colloquia

University of Delaware	<i>Cognitive Science Colloquium</i>	(November 2009)
Macquarie University	<i>MACCS Colloquium</i>	(June 2009)
University of Sydney	<i>Psychology Department Colloquium</i>	(June 2009)
University of Maryland	<i>Cognitive Science Colloquium</i>	(October 2008)
Harvard University	<i>Cognition, Brain, & Behavior Seminar</i>	(February 2008)
Radboud Univ. (Nijmegen)	<i>Institute for Cognition and Information Talk</i>	(December 2007)
Rutgers University	<i>Center for Cognitive Science Colloquium</i>	(March 2007)
Columbia University	<i>Cognitive Lunch Talk</i>	(December 2006)
University of Pennsylvania	<i>IRCS Cognitive Science Colloquium</i>	(March 2006)
Cornell	<i>Psychology Department Colloquium</i>	(February 2006)
University of Chicago	<i>Committee on Computational Neuroscience Talk</i>	(February 2006)
University of Illinois	<i>Developmental Psychology Colloquium</i>	(December 2005)
NYU	<i>Cognition & Perception Colloquium</i>	(April 2005)
University of Illinois	<i>Cognitive Science Colloquium</i>	(March 2005)
University of Illinois	<i>Visual Cognition Brownbag</i>	(March 2005)
Johns Hopkins	<i>Psychological & Brain Sciences Colloquium</i>	(February 2005)
Johns Hopkins	<i>Visual Perception Lab Group</i>	(February 2005)
Boston University	<i>Cognitive & Neural Systems Colloquium</i>	(November 2004)
Chinese Academy of Sciences	<i>Key Laboratory of Cognitive Science Talk</i>	(October 2004)
Brown University	<i>Cognitive & Linguistic Sciences Colloquium</i>	(October 2004)
U du Québec à Montréal	<i>Cognitive Science Seminar</i>	(March 2004)
U of Connecticut	<i>CESPA Workshop</i>	(March 2003)
Indiana University	<i>Cognitive Science Group</i>	(March 2003)
Rutgers University	<i>Center for Cognitive Science Colloquium</i>	(March 2003)
MIT	<i>Brain & Cognitive Sciences Colloquium</i>	(December 2002)
Haskins Laboratories	<i>Staff Meeting Talk</i>	(November 2002)
SISSA (Trieste, Italy)	<i>Language, Cognition, & Development Group</i>	(March 2002)
Princeton University	<i>Cognition Colloquium</i>	(December 2001)
UMass Amherst	<i>Developmental Seminar</i>	(April 2001)
CUNY	<i>Cognitive Science Group, w/ J. Weinberg</i>	(March 2000)
Northeastern	<i>Department of Psychology, Cognition Group</i>	(January 2000)
Yale University	<i>Department of Psychology, Cognitive Group</i>	(October 1999)
Harvard University	<i>Vision Sciences Laboratory</i>	(September 1999)
NYU	<i>Dept. of Psychology, Cognition/Perception Group</i>	(November 1998)

Advising: Postdoctoral Fellows

Joshua New (2005 - 2009)

Research : Visual cognition in autism; Motion-induced blindness; Subjective perception of time

Honors : 2006 *National Research Service Award*, National Institute of Mental Health

After Yale : Assistant Professor of Psychology, Barnard College

Stephen Mitroff (2002 - 2005)

Research : Visual awareness; Object persistence in adults and infants
 Honors : 2002 *National Research Service Award*, National Institute of Mental Health
 After Yale : Assistant Professor of Psychology, Duke University

Advising: Graduate StudentsAlice Albrecht (current; co-advised with Marvin Chun)

Research : Statistical summary representations in perception; Event perception

Tao Gao (current)

Research : Perception of animacy; Object persistence
 Honors : 2009 *VSS Travel Fellowship*

Brandon Liverence (current)

Research : Subjective perception of time; Event representation

Nicholas Turk-Browne (Ph.D., 2009; co-advised with Marvin Chun)

Research : Visual statistical learning; Visual memory; Repetition attenuation
 Diss. Title : *The Nature of Visual Statistical Learning*
 Honors : 2006 *APA Early Researcher Award*; 2006 *VSS Travel Fellowship*; 2005 *NSERC Scholarship*
 After Yale : Assistant Professor of Psychology, Princeton University

Jonathan Flombaum (Ph.D., 2008)

Research : Object persistence in adults and nonhuman primates; Attention and tracking
 Diss. Title : *Persisting Objects: Building Blocks of Attention, Memory, and Action*
 Honors : 2006 NIH predoctoral *National Research Service Award*; 2003 *NSF Graduate Research Fellowship*
 After Yale : Assistant Professor of Psychological and Brain Sciences, Johns Hopkins University

Erik Cheries (Ph.D., 2007; co-advised; primary advisor, Karen Wynn)

Research : Object cognition in infancy
 Diss. Title : *Constraints on Infants' Object Representations*
 Honors : 2007 *National Research Service Award*, National Institutes of Health
 After Yale : Postdoctoral Fellow, Harvard University
 Currently : Assistant Professor of Psychology, University of Massachusetts Amherst

Hoon Choi (Ph.D., 2006)

Research : Perception of causality; Change detection
 Diss. Title : *New Frontiers in Causal Perception*
 After Yale : Postdoctoral Fellow, Boston University

PhD Committees

2009 : Nicholas Turk-Browne
 2008 : Suzanne Bloise, Jon Flombaum, Julie Higgins, Justin Jungé, Derek Lyons, George Newman, Nic Noles, Soojin Park, Noah Shamosh, Deena Weisberg
 2007 : Erik Cheries, Koleen McCrink
 2006 : Hoon Choi, Erika Nurmsoo
 2005 : Marissa Greif, Keith Lyle, Mariann Weierich, Do-joon Yi
 2004 : Susan Birch, Martin Dennis, Kristy vanMarle
 2003 : Ohad Ben-Shahar (Computer Science)
 2002 : Wil Cunningham

Advising: Undergraduates (Selected)

Phillip Isola	(B.A., 2008)	: Published undergraduate research in <i>JEP:LMC</i>
Maya Shankar	(B.A., 2007)	: 2007 Rhodes Scholar; 2007 Alpheus Henry Snow Prize
Alex White	(B.A., 2007)	: 2007 Fulbright Scholar
Alexandria Marino	(B.A., 2005)	: Published senior thesis in <i>Perception & Psychophysics</i>
Dawn Chan	(B.A., 2002)	: 2003 Fulbright Scholar

Teaching Experience

<i>Introduction to Cognitive Science</i>	(Undergraduate course)
<i>Perception</i>	(Undergraduate course)
<i>Visual Cognition</i>	(Graduate seminar)
<i>Object Cognition</i>	(Graduate seminar)
<i>Professional and Conceptual Issues in Psychology</i>	(Graduate seminar; with Mitch Prinstein)
<i>Objects: A Case Study in Cognitive Science</i>	(Advanced undergraduate seminar)
<i>Cognition</i>	(Undergraduate course)
<i>Cognition Laboratory</i>	(Undergraduate lab course)

University and Departmental Service

Primary Service Roles

Director of Undergraduate Studies, Cognitive Science	(2006 - present)
Advisor for the Philosophy Track of the Psychology Major	(2001 - present)

Speaking

Panelist, 'Job offer negotiation' seminar for <i>Graduate Career Services</i>	(2009)
Panelist, 'Mentoring' seminar for <i>Graduate Student Assembly 'Mentoring week'</i>	(2009)
Faculty Lecturer, <i>Yale Alumni Weekend 2008</i>	(2008)
Panelist, <i>Postdoctoral Development Series</i>	(2008)
Panelist, 'Job offer negotiation' seminar for <i>Graduate Career Services</i>	(2008)
Panelist, <i>New Faculty Orientation</i>	(2007)
Speaker, 'Research statements' seminar for <i>Graduate Teaching Seminar</i>	(2007)
Faculty Lecturer, <i>Yale Alumni Weekend 2007</i>	(2007)
Panelist, 'The academic job search' for <i>Postdoctoral Development Series</i>	(2007)
Speaker, 'Mentoring' seminar for <i>Graduate Teaching Center</i>	(2007)
Panelist, 'Choosing a Dissertation Topic' for <i>McDougal Writing Program</i>	(2007)
Panelist, <i>New Faculty Orientation</i>	(2006)
Faculty Lecturer, <i>Yale Parents Weekend 2005</i>	(2005)
Panelist, 'Research' discussion for <i>New Faculty Orientation</i>	(2005)
Panelist, 'Teaching in Yale College' event for <i>Teaching at Yale day</i>	(2005)
Panelist, 'Why teaching matters' for <i>Graduate Teaching Center workshop</i>	(2005)

Committees, Etc.

Graduate School Committee on Regulations and Discipline	(2009 - 2010)
Faculty search committee, Cognitive Science	(2009)
Chair, Graduate Requirements committee, Dept. of Psychology	(2007 - 2008)
Chair, Writing Center Advisory committee	(2006 - 2008)
Chair, Yale College Dean's Research Fellowships in the Humanities and Social Sciences committee	(2006 - 2008)
Graduate Mentor Award committee, Graduate School	(2006)

Graduate School Committee on Regulations and Discipline	(2006 - 2008)
Organizer, Departmental Alumni Conference: <i>Psychological Science: Origins and Prospects</i>	(2006)
Graduate Admissions committee, Dept. of Psychology	(2006)
Faculty search committee, Developmental area, Dept. of Psychology	(2005 - 2006)
Teaching and Learning Portal advisory committee	(2005 - 2007)
Writing Center advisory committee	(2004 - 2006)
Graduate Mentoring committee, Dept. of Psychology	(2003)
Faculty search committee, Abilities & Expertise area, Dept. of Psychology	(2003)
Faculty search committee, Cognitive area, Dept. of Psychology	(2002 - 2003)
Yale College Executive Committee	(2001 - 2003)

References available upon request.