

# Stephen Robert Mitroff, Ph.D.

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## Education, Employment, & Academic Interests

### Primary Academic Appointments

|             |  |   |
|-------------|--|---|
| 8/2015 –    | Associate Professor ( <i>w/ tenure</i> ) | The George Washington University<br>Department of Psychology                                    |
| 2012 – 2015 | Associate Professor ( <i>w/ tenure</i> ) | Duke University<br>Center for Cognitive Neuroscience<br>Department of Psychology & Neuroscience |
| 2005 – 2012 | Assistant Professor                      | Duke University<br>Center for Cognitive Neuroscience<br>Department of Psychology & Neuroscience |
| 2002 – 2005 | Postdoctoral Research Fellow             | Yale University<br>Department of Psychology<br>Sponsors: Karen Wynn & Brian J. Scholl           |

### Additional Academic Appointments

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|----------------|------------------------------|--|
| 8/2015 –       | Associate Research Professor | Duke University<br>Department of Psychology & Neuroscience                                   |
| 2013 – current | Visiting Research Faculty    | MedStar Health Research Institute<br>Research Division, National Rehabilitation Hospital     |
| 2014 – current | Adjunct Associate Professor  | University of North Carolina, Chapel Hill<br>School of Dentistry, Department of Orthodontics |
| 2012 – 2013    | Adjunct Assistant Professor  | University of North Carolina, Chapel Hill<br>School of Dentistry, Department of Orthodontics |

### Education

|      |                              |   |
|------|------------------------------|---|
| 2002 | Ph.D.                        | Harvard University; Psychology<br>Advisor: Daniel J. Simons                     |
| 2000 | M.A.                         | Harvard University; Psychology<br>Advisor: Daniel J. Simons                     |
| 1998 | B.A., <i>summa cum laude</i> | University of California, Berkeley; Cognitive Science<br>Advisor: Alison Gopnik |

### General Research Interests

Individual differences, learning, & malleability in visual cognition; Visual perception, attention, & memory; Applied cognitive psychology; Use of “big data” to address psychological issues; Cognitive development

### Specific Research Questions

- How are items detected in rare, multi-target & real-world visual search (e.g., baggage screening/radiology)?
- What makes one individual a ‘better’ visual searcher than another?
- How can specific training regimens enhance visual and attentional abilities?
- What is the role of vision and attention in sports, and how can these abilities be enhanced?
- In what ways are visual representations similar and different for infants, young adults, and older adults?

## **Funding**

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### Current Support

- Title:* Examining learning and influences on performance in visual search  
*Funding Source:* Army Research Office Award # W911NF-16-1-0274  
*PI:* Stephen R. Mitroff  
*Grant period:* July 1, 2016 to December 31, 2019  
*Total funding:* \$714,373
- Title:* Mammography to Tomosynthesis: Examining the cognitive processes of three-dimensional visual search  
*Funding Source:* GWU Cross Disciplinary Research Fund, Office of Vice President of Research  
*PI:* Stephen R. Mitroff (Co-PI: Rachel F. Brem, Department of Radiology)  
*Grant period:* July 1, 2016 to June 30, 2018  
*Total funding:* \$99,952
- Title:* Using mobile technology for TSA personnel assessment and training  
*Funding Source:* Transportation Security Administration Contract #HSTS04-15-C-CT7031  
*Primary lead:* Kedlin Co.  
*Mitroff Role:* Research lead

### Completed Research Support

- Title:* Identifying and understanding superior multiple-target visual search abilities  
*Funding Source:* Army Research Office Award # W911NF-14-1-0361  
*PI:* Stephen R. Mitroff  
*Grant period:* July 1, 2014 through December 31, 2015  
*Total funding:* \$200,917
- Title:* TSA Personnel Evaluation Project  
*Funding Source:* TSA, DHS (*Contract work funded to Stephen Mitroff, LLC*)  
*Primary lead:* RTI International  
*Mitroff Role:* Lead on basic research component  
*Funding period:* June 25, 2013 through October 31, 2014
- Title:* Conference on Visual Search: A Comprehensive Treatment of Search  
*Funding Source:* Army Research Office Award # W911NF-13-1-0418; Workshop Funding Mechanism  
*PI:* Stephen R. Mitroff  
*Grant period:* September 1, 2013 through August 31, 2014  
*Total funding:* \$44,337
- Title:* Assessing and Training Response Inhibition Abilities  
*Funding Source:* Army Research Office Award # W911NF-13-1-0480  
*PI:* Adam T. Biggs  
*Co-PI:* Stephen R. Mitroff  
*Grant period:* October 1, 2013 through June 30, 2014  
*Total funding:* \$50,000
- Title:* Identifying, assessing, and enhancing human perceptual and cognitive abilities  
*Funding Source:* DARPA (*Supplement to D12AP200025*)  
*Co-PIs:* L. Gregory Appelbaum & Stephen R. Mitroff  
*Grant period:* October 1, 2012 through March 29, 2014  
*Total funding:* \$986,757

- Title:* Identifying and enhancing superior searching abilities  
*Funding Source:* Army Research Office Award # W911NF-09-1-0092  
*PI:* Stephen R. Mitroff  
*Grant period:* April 1, 2009 through September 30, 2013  
*Total funding:* \$415,870
- Title:* Improving visual search accuracy and identifying superior performance  
*Funding Source:* Transportation Security Administration; Department of Homeland Security  
*PI:* Stephen R. Mitroff  
*Grant period:* October 1, 2011 through June 30, 2013  
*Total funding:* \$250,000
- Title:* Identifying predictive markers of individual difference in threat sensitivity  
*Funding Source:* Institute of Homeland Security Solutions  
*PI:* Stephen R. Mitroff  
*Co-PI:* Ahmad Hariri  
*Grant period:* March 1, 2010 through May 31, 2012  
*Total funding:* \$200,000
- Title:* Sports training and the malleability of visual cognition  
*Funding Source:* Nike Sparq Sensory Training, Nike, Inc.  
*PI:* Stephen R. Mitroff  
*Grant period:* December 16, 2009 through January 31, 2012  
*Total funding:* \$115,000
- Title:* Training that addresses individual differences in sustained vigilance tasks  
*Funding Source:* Institute of Homeland Security Solutions  
*PI:* Robert C. Hubal  
*Grant period:* July 1, 2009 through December 31, 2010  
*Total funding:* \$249,441  
*Funding for SRM:* \$96,185
- Title:* The nature of persisting object representations  
*Funding Source:* NIH/NIMH, R03 Award #R03 MH080849-01  
*PI:* Stephen R. Mitroff  
*Grant period:* July 1, 2007 through June 30, 2009  
*Total funding:* \$156,000
- Title:* Identifying predictive markers of individual difference in threat sensitivity  
*Funding Source:* Institute of Homeland Security Solutions & RTI  
*PI:* Stephen R. Mitroff  
*Grant period:* October 10, 2009 through November 9, 2009  
*Total funding:* \$5,500
- Title:* The representation of persisting objects  
*Funding Source:* NIMH NRSA Individual Postdoctoral Fellowship, F32 MH66553  
*PI:* Stephen R. Mitroff  
*Grant period:* July 1, 2002 through June 30, 2005  
*Total funding:* \$194,774
- Funding Source:* National Science Foundation Graduate Research Fellowship  
*PI:* Stephen R. Mitroff  
*Grant period:* July 1, 1999 through June 30, 2002

## Academic Consulting & Advisory Positions

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Senaptec

Role: Advisory Board Member

September 2014 — current

Nike, Inc.; Nike Performance Network

Role: Sports Vision & Performance Advisor

June 2014 — May 2015

Nike, Inc.; SPARQ Sensory Performance

Role: Advisory Board Member

May 2012 — April 2014

Army Research Office Grant: “*Neurobiological Basis for Individual Differences in Pattern-Detection Within Low Signal/Noise Environments: An FMRI Study*”

PI: Lilianne Mujica-Parodi, Dept. of Biomedical Engineering, State University of New York, Stony Brook

Role: Consultant on individual differences measures

## Publications & Presentations

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\* *Student and postdoctoral advisees*

### Referred Journal Articles (in reverse chronological order)

1. \*Devyatko, D., Appelbaum, L. G., & **Mitroff**, S. R. (in press). A common mechanism for perceptual reversals in motion-induced blindness, the Troxler effect and perceptual filling-in.
2. \*Dowd, E. W., **Mitroff**, S. R., & LaBar, K. S. (in press). Fear generalization gradients in visuospatial attention. *Emotion*.
3. Krasich, K., Ramger, B., Holton, L., Wang, L., **Mitroff**, S. R., & Appelbaum, L. G. (2016). Sensorimotor learning in a computerized athletic training battery. *Journal of Motor Behavior*, 48(5), 401-412. DOI: 10.1080/00222895.2015.1113918
4. \*Adamo, S. H., \*Cain, M. S., & **Mitroff**, S. R. (2015). Targets need their own space: Effects of clutter on multiple-target visual search. *Perception*, 44(10), 1203-1214. DOI: 10.1177/0301006615594921
5. **Mitroff**, S. R., \*Biggs, A. T., & \*Cain, M. S. (2015). Multiple-target visual search errors: Overview and implications for airport security. *Policy Insights from the Behavioral and Brain Sciences*, 2(1), 121-128.
6. \*Biggs, A. T., \*Cain, M. S., **Mitroff**, S. R. (2015). Cognitive training can reduce civilian casualties in a simulated shooting environment. *Psychological Science*, 26(8), 1164-1176. DOI: 10.1177/0956797615579274
7. \*Biggs, A. T., \*Adamo, S. H., & **Mitroff**, S. R. (2015). Mo' money, mo' problems: Monetary motivation can exacerbate the attentional blink. *Perception*, 44(4), 410-422. doi:10.1068/p7916
8. \*Clark, K., Appelbaum, L. G., van de berg, B., **Mitroff**, S. R., & Woldorff, M. G. (2015). Improvement in visual search with practice: Mapping learning-related changes in neurocognitive stages of processing. *Journal of Neuroscience*, 35(13): 5351-5359. DOI: 10.1523/JNEUROSCI.1152-14.2015
9. \*Dowd, E. W., Kiyonaga, A., Egner, T., & **Mitroff**, S. R. (2015). Attentional guidance by working memory differs by paradigm: An individual-differences approach. *Attention, Perception, & Psychophysics*, 77, 704-712. DOI 10.3758/s13414-015-0847-z

10. \*Wang, L., \*Krasich, K., \*Bel-Bahar, T., \*Hughes, L., **Mitroff**, S. R., & Appelbaum, L. G. (2015). Mapping the structure of perceptual and visual-motor abilities in healthy young adults. *Acta Psychologica*, *157*, 74-84.
11. \*Biggs, A. T., \*Adamo, S. H., \*Dowd, E. W., & **Mitroff**, S. R. (2015). Examining perceptual and conceptual set biases in multiple-target visual search. *Attention, Perception, & Psychophysics*, *77*, 844-855. DOI 10.3758/s13414-014-0822-0
12. **Mitroff**, S. R., \*Biggs, A. T., \*Adamo, S. H., \*Dowd, E. W., \*Winkle, J., & \*Clark, K. (2015). What can 1 billion trials tell us about visual search? *Journal of Experimental Psychology: Human Perception & Performance*, *41*(1), 1-5. DOI: 10.1037/xhp0000012
13. \*Biggs, A. T., & **Mitroff**, S. R. (2014). Improving the efficacy of security screening tasks: A review of visual search challenges and ways to mitigate their adverse effects. *Applied Cognitive Psychology*, *29*(1), 142-148. DOI: 10.1002/acp.3083
14. \*Biggs, A. T., & **Mitroff**, S. R. (2014). Differences in multiple-target visual search performance between non-professional and professional searchers due to decision-making criteria. *British Journal of Psychology*. doi: 10.1111/bjop.12096
15. \*Biggs, A. T., \*Adamo, S. H., & **Mitroff**, S. R. (2014). Rare, but obviously there: Effects of target frequency and salience on visual search accuracy. *Acta Psychologica*, *152*, 158-165. <http://dx.doi.org/10.1016/j.actpsy.2014.08.005>
16. \*Cain, M. S., \*Biggs, A. T., \*Darling, E. F., & **Mitroff**, S. R. (2014). A little bit of history repeating: Splitting up multiple-target visual searches decreases second-target miss errors. *Journal of Experimental Psychology: Applied*, *20*(2), 112-125. <http://dx.doi.org/10.1037/xap0000014>
17. \*Clark, K., \*Cain, M. S., Adcock, R. A., & **Mitroff**, S. R. (2014). Context Matters: The structure of task goals affects accuracy in multiple-target visual search. *Applied Ergonomics*, *45*(3), 528-533. <http://dx.doi.org/10.1016/j.apergo.2013.07.008>
18. **Mitroff**, S. R., & \*Biggs, A. T. (2014). The Ultra-Rare-Item effect: Visual search for exceedingly rare items is highly susceptible to error. *Psychological Science*, *25*(1), 284-289. DOI: 10.1177/0956797613504221
19. \*Biggs, A. T., & **Mitroff**, S. R. (2014). Different predictors of multiple-target search accuracy between non-professional and professional visual searchers. *Quarterly Journal of Experimental Psychology*, *67*(7), 1335-1348. 10.1080/17470218.2013.859715
20. **Mitroff**, S. R., Friesen, P., Bennett, D., Yoo, H., & Reichow, A. (2013). Enhancing ice hockey skills through stroboscopic visual training—A pilot study. *Athletic Training & Sports Health Care*, *5*, 261-264. DOI: 10.3928/19425864-20131030-02
21. Jackson, T. H., **Mitroff**, S. R., \*Clark, K., Proffit, W. R., Lee, J. Y., & Nguyen, T. T. (2013). Face symmetry assessment abilities: Clinical implications for diagnosing asymmetry. *American Journal of Orthodontics and Dentofacial Orthopedics*, *114*(5), 663-671. Doi: 10.1016/j.ajodo.2013.06.020
22. \*Adamo, S. H., \*Cain, M. S., & **Mitroff**, S. R. (2013). Self-induced attentional blink: A cause of errors in multiple-target search. *Psychological Science*, *24*(12), 2569-2574. doi: 10.1177/0956797613497970
23. \*Cain, M. S., \*Adamo, S. H., & **Mitroff**, S. R. (2013). A taxonomy of multiple-target search errors. *Visual Cognition*, *21*(7), 899-921. DOI:10.1080/13506285.2013.843627
24. Jackson, T. H., \*Clark, K., & **Mitroff**, S. R. (2013). Enhanced facial symmetry assessment in orthodontists. *Visual Cognition*, *21*(7), 838-852. DOI:10.1080/13506285.2013.832450
25. Appelbaum, L. G., \*Cain, M. S., \*Darling, E. F., & **Mitroff**, S. R. (2013). Action video game playing is associated with improved visual sensitivity, but not alterations in visual sensory memory. *Attention, Perception, & Psychophysics*, *75*(6), 1161-1167. DOI: 10.3758/s13414-013-0472-7

26. \*Biggs, A. T., \*Cain, M. S., \*Clark, K., \*Darling, E. F., & **Mitroff**, S. R. (2013). Assessing visual search performance differences between Transportation Security Administration Officers and non-professional visual searchers. *Visual Cognition*, 21(3), 330-352. DOI: 10.1080/13506285.2013.790329
27. \*Dowd, E. W., & **Mitroff**, S. R. (2013). Attentional guidance by working memory overrides saliency cues in visual search. *Journal of Experimental Psychology: Human Perception & Performance*, 39(6), 1786-1796. DOI: 10.1037/a0032548
28. \*Cain, M. S., & **Mitroff**, S. R. (2013). Memory for found targets interferes with subsequent performance in multiple-target visual search. *Journal of Experimental Psychology: Human Perception & Performance*, 39(5), 1398-1408. DOI: 10.1037/a0030726
29. Smith, T. Q., & **Mitroff**, S. R. (2012). Stroboscopic training enhances anticipatory timing. *International Journal of Exercise Science*, 5(4), 344-353.
30. \*Donohue, S. E., \*Darling, E. F., **Mitroff**, S. R. (2012). Links between multisensory processing and autism. *Experimental Brain Research*, 222, 377-387. DOI: 10.1007/s00221-012-3223-4
31. \*Cain, M. S., Vul, E., \*Clark, K., & **Mitroff**, S. R. (2012). A Bayesian optimal foraging model of human visual search. *Psychological Science*, 23, 1047-1054. DOI 10.1177/0956797612440460
32. Appelbaum, L. G., \*Cain, M. S., \*Schroeder, J. E., \*Darling, E. F., & **Mitroff**, S. R. (2012). Stroboscopic visual training improves information encoding in short-term memory. *Attention, Perception, & Psychophysics*, 74(8), 1681-1691. DOI 10.3758/s13414-012-0344-6
33. \*Donohue, S., \*James, B., Eslick, A. N., & **Mitroff**, S. R. (2012). Cognitive Pitfall!: Video game players are not immune from dual-task costs. *Attention, Perception, & Psychophysics*, 74, 803-809. DOI 10.3758/s13414-012-0323-y
34. Appelbaum, L. G., \*Cain, M. S., \*Darling, E. F., Stanton, S. J., Nguyen, M. T., & **Mitroff**, S. R. (2012). What is the identity of a sports spectator? *Personality and Individual Differences*, 52, 422-427.
35. \*Cain, M. S., & **Mitroff**, S. R. (2011). Distractor filtering in media multitaskers. *Perception*, 40(10), 1183-1192.
36. Appelbaum, L. G., \*Schroeder, J. E., \*Cain, M. S., & **Mitroff**, S. R. (2011). Improved visual cognition through stroboscopic training. *Frontiers in Psychology*, 2:276. doi: 10.3389/fpsyg.2011.00276
37. \*Cain, M. S., \*Dunsmoor, J. E., LaBar, K. S., & **Mitroff**, S. R. (2011). Anticipatory anxiety hinders detection of a second target in dual-target search. *Psychological Science*, 22, 866-871. doi:10.1177/0956797611412393
38. \*Clark, K., \*Fleck, M. S., & **Mitroff**, S. R. (2011). Enhanced change detection performance reveals improved strategy use in avid action video game players. *Acta Psychologica*, 136, 67-72.
39. Wu, W., Tiesinga, P., Tucker, T., Heiner, J., **Mitroff**, S. R., & Fitzpatrick, D. (2011). Dynamics of Population Response to Changes of Motion Direction in Primary Visual Cortex. *Journal of Neuroscience*, 31(36), 12767-12777.
40. Costello, M. C., Madden, D. J., **Mitroff**, S. R., & Whiting, W. L. (2010). Age-related decline of visual processing components in change detection. *Psychology & Aging*, 25(2), 356-368.
41. Costello, M. C., Madden, D. J., Shepler, A. M., **Mitroff**, S. R., & Leber, A. B. (2010). Age-related preservation of top-down control over distraction in visual search. *Experimental Aging Research*, 36(3), 249-272.
42. \*Donohue, S. E., Woldorff, M. G., & **Mitroff**, S. R. (2010). Video game players show more precise multisensory temporal processing abilities. *Attention, Perception, & Psychophysics*, 72, 1120-1129.

43. \*Jordan, K. E., \*Clark, K., & **Mitroff**, S. R. (2010). See an object, hear an object file: Object correspondence transcends sensory modality. *Visual Cognition*, *18*, 492-503.
44. \*Fleck, M. S., Samei, E., & **Mitroff**, S. R. (2010). Generalized 'satisfaction of search': Adverse influences on dual-target search accuracy. *Journal of Experimental Psychology: Applied*, *16*, 60-71.
45. \*Dunsmoor, J. E., **Mitroff**, S. R., & LaBar, K. S. (2009). Generalization of conditioned fear along a dimension of increasing fear intensity. *Learning & Memory*, *16*, 460-469.
46. **Mitroff**, S. R., \*Arita, J. T., & \*Fleck, M. S. (2009). Staying in bounds: Contextual constraints on object file coherence. *Visual Cognition*, *17*, 195-211.
47. Wang, S, & **Mitroff**, S. R. (2009). Preserved visual representations despite change blindness in infants. *Developmental Science*, *12*, 681-687.
48. Cheries, E., **Mitroff**, S. R., Wynn, K., & Scholl, B. J. (2008). Cohesion as a constraint on object persistence in infancy. *Developmental Science*, *11*, 427-432.
49. **Mitroff**, S. R., Scholl, B. J., & Noles, N. S. (2007). Object files can be purely episodic. *Perception*, *36*, 1730-1735.
50. **Mitroff**, S. R., & Alvarez, G. A. (2007). Space and time, not surface features, underlie object persistence. *Psychonomic Bulletin & Review*. *14*, 1199-1204.
51. \*Fleck, M. S., & **Mitroff**, S. R. (2007). Rare targets are rarely missed in correctable search. *Psychological Science*, *18*, 943-947.
52. **Mitroff**, S. R., Sobel, D. M., Gopnik, A. (2006). Reversing how to think about ambiguous figure reversals: Spontaneous alternating by uninformed observers. *Perception*, *35*, 709-715.
53. Noles, N. S., Scholl, B. J., & **Mitroff**, S. R. (2005). The persistence of object file representations. *Perception & Psychophysics*, *67*, 324-334.
54. **Mitroff**, S. R., Scholl, B. J., & Wynn, K. (2005). The relationship between object files and conscious perception. *Cognition*, *96*, 67-92.
55. **Mitroff**, S. R. & Scholl, B. J. (2005). Forming and updating object representations without awareness: Evidence from motion-induced blindness. *Vision Research*, *45*, 961-967.
56. **Mitroff**, S. R. & Scholl, B. J. (2004). Seeing the disappearance of unseen objects. *Perception*, *33*, 1267-1273.
57. **Mitroff**, S. R., Scholl, B. J., & Wynn, K. (2004). Divide and conquer: How object files adapt when a persisting object splits into two. *Psychological Science*, *15*, 420-425.
58. **Mitroff**, S. R., Simons, D. J., & Levin, D. T. (2004). Nothing compares 2 views: Change blindness can occur despite preserved access to the changed information. *Perception & Psychophysics*, *66*, 1268-1281.
59. **Mitroff**, S. R. & Simons, D. J. (2002). Changes are not localized until they are explicitly detected. *Visual Cognition*, *9*, 937-968.
60. **Mitroff**, S. R., Simons, D. J., & Franconeri, S. L. (2002). The siren song of implicit change detection. *Journal of Experimental Psychology: Human Perception and Performance*, *28*, 798-815.

### **Peer-Reviewed Conference Papers**

61. Salazar, E., \*Cain, M. S., \*Darling, E. F., **Mitroff**, S. R., & Carin, L. (2012). Inferring latent structure from mixed and real and categorical relational data. *International Conference on Machine Learning*. Edinburgh, Scotland.

62. Hubal, R., \*Cain, M. S., & **Mitroff**, S. R. (2011). Simulating a vigilance task: Technology for homeland security research. *Interservice/Industry Training, Simulation, and Education Conference (IITSEC)*. Orlando, FL.
63. \*Cain, M. S., Vul, E., \*Clark, K., & **Mitroff**, S. R. (2011). Optimal models of human multiple-target visual search. In L. Carlson, C. Hölscher, & T. Shipley (Eds.), *Proceedings of the 33rd Annual Conference of the Cognitive Science Society*. Boston, MA: Cognitive Science Society.
64. Hubal, R., **Mitroff**, S. R., \*Cain, M. S., Scott, B., & DeWitt, R. (2010). Simulating a vigilance task: Extensible technology for baggage security assessment and training. *Proceedings of the IEEE Conference on Technologies for Homeland Security* (pp. 543-548). Los Alamitos, CA: IEEE.

### **Book Chapters & Research Briefs**

1. \*Clark, K., \*Cain, M. S., & **Mitroff**, S. R. (2015). Perception and human information processing in visual search. In R. Hoffman, J. Szalma, P. Hancock, R. Parasuraman, & M. Scerbo (Eds.), *Cambridge University Handbook on Applied Perception Research*. Cambridge University Press.
2. Harris, J. A., Barrack, D. L., McMahon, A. R., **Mitroff**, S.R., & Woldorff, M. G. (2014). Object-category processing during motion-induced blindness as revealed by electrophysiological recordings. In G. R. Mangun (Ed.), *Cognitive Electrophysiology of Attention: Signals of the Mind* (pp. 97-106). San Diego, CA: Elsevier Academic Press.
3. \*Clark, K., \*Cain, M. S., \*Adamo, S. H., & **Mitroff**, S. R. (2012). Examining influences on applied visual search performance. In M. D. Dodd & J. H. Flowers (Eds.), *The Influence of Attention, Learning, and Motivation on Visual Search* (Vol. 59, pp. 147–181). New York: Springer.
4. **Mitroff**, S. R., & Hariri, A. (2010). Identifying Predictive Markers of Field Performance: The Potential Role of Individual Differences in Threat Sensitivity. *Institute for Homeland Security Solutions Research Brief*. <https://www.ihssnc.org>
5. Madden, D. J., & **Mitroff**, S. R. (2010). Aging and Top-Down Attentional Control in Visual Search. *Institute for Homeland Security Solutions Research Brief*. <https://www.ihssnc.org>
6. Cheries, E., **Mitroff**, S. R., Wynn, K. & Scholl, B. J. (2009). Constraints on Persisting Object Representations in Infants and Adults. In B. Hood & L. Santos (Eds.), *The Origins of Object Knowledge*. London: Oxford University Press.
7. Simons, D. J., **Mitroff**, S. R., & Franconeri, S. L. (2003). Scene perception: What we can learn from visual integration and change detection. In M. Peterson & G. Rhodes (Eds.), *Perception of faces, objects, and scenes: Analytic and holistic processes. Advances in visual cognition* (pp. 335-351). London: Oxford University Press.
8. Simons, D. J., & **Mitroff**, S. R. (2001). The role of expectation in change detection and attentional capture. In L.R. Harris & M. Jenkin (Eds.), *Vision and Attention* (pp. 189-207). Springer.

### **Manuscripts under review & under revision**

1. \*Biggs, A.T., & **Mitroff**, S.R. (submitted). The cognitive cascade hypothesis: Examining the cognitive underpinnings of shooting behaviors.
2. Jackson, T. H., **Mitroff**, S. R., \*Clark, K., Proffit, W. R., Lee, J. Y., & Nguyen, T. T. (under review). Clinical skill acquisition: Test-enhanced learning of symmetry assessment in dental education.



3. Bel-Bahar, T., Wang, L., Hughes, L., Krasich, K., **Mitroff**, S. R., Appelbaum, L. G., (under revision). Exploring the influence of gender and personality traits on visual-motor performance in a computerized athletic assessment battery.
4. \*Adamo, S. H., \*Biggs, A. T., & **Mitroff**, S. R. (under revision). Bags need their own space: Physical spacing between simultaneously presented visual search arrays affects multiple-target search accuracy.
5. \*Clark, K., Samei, E., Baker, J., & **Mitroff**, S. R. (under revision). Searching for Multiple Targets: How Radiologists Perform Differently than Non-professionals.
6. Madden, D. J., **Mitroff**, S. R., Shepler, A. M., \*Fleck, M. S., Costello, M. & Voss, A. (under revision). Adult age differences in top-down attentional control during rare target search.

### **Manuscripts in preparation**

1. \*Cain, M. S., & **Mitroff**, S. R. (in preparation). Personality and demographic correlates of media multitasking behavior.
2. Carter, O., Luedeman, R., **Mitroff**, S. R., & Nakayama, K. (in preparation). Motion induced blindness: The more you attend the less you see.
3. \*Clark, K., \*Cain, M. S., Adcock, R. A., & **Mitroff**, S. R. (in preparation). Motivational influences on satisfaction of search errors in multiple-target visual search.
4. \*Clark, K., \*Fleck, M. S., & **Mitroff**, S. R. (in preparation). Reducing satisfaction of search errors in visual search.
5. \*Clark, K., Zucker, N., Watson, K., Stanton, S. J., & **Mitroff**, S. R. (in preparation). Revealing individual differences in visual search: ADHD leads to seeing too little and anorexia nervosa leads to seeing too much.

### **Conference Presentations (in reverse chronological order)**

1. **Mitroff**, S. R. (2016, May). Improving performance of human operators. Paper presented at 14th annual Awareness and Localization of Explosives-related Threats Workshop. Boston, MA.
2. **Mitroff**, S. R., Winkle, J., Ericson, J. M., & Gancayco, C. A. (2015, November). The long and short of visual search: Examining both long- and short-term influences on search performance. Paper presented at the annual meeting of the Psychonomic Society, Chicago, IL.
3. Ericson, J. M., Winkle, J., & **Mitroff**, S. R., (2015, November). Moving at the speed of search: Long-term visual search and the influence of lapses in time between search activity. Poster presented at the annual meeting of the Psychonomic Society, Chicago, IL.
4. Adamo, S. H., Cain, M. S., & **Mitroff**, S. R. (2015, November). Satisfaction at last: Evidence for the “satisfaction” hypothesis for multiple-target search errors. Paper presented at the annual Object Perception, Attention, and Memory meeting, Chicago, IL.
5. **Mitroff**, S. R., Biggs, A. T., Ericson, J. M., Winkle, J., Gancayco, C. A., Adamo, S. H., & Wu Dowd, E. (2015, September). Using mobile technology (and big data) to understand medical errors. Paper presented at the Diagnostic Error in Medicine 8th International Conference, Washington, D.C.
6. **Mitroff**, S. R., Biggs, A. T., Ericson, J. M., Winkle, J., Adamo, S. H., & Wu Dowd, E. (2015, June). Using mobile technology (and big data) to inform radiological research. Paper presented at the annual meeting of the Medical Imaging Perception Society, Ghent, Belgium.
7. Ericson, J. M., Biggs, A. T., Winkle, J. A., Gancayco, C. A., & **Mitroff**, S. R. (2015, May). Long-term visual search: Examining trial-by-trial learning over extended visual search experiences. Talk presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.

8. Adamo, S. H., Cain, M. S., & **Mitroff**, S. R. (2015, May). An individual differences approach to multiple-target search errors: Errors correlate with attentional deficits. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
9. Winkle, J. A., Biggs, A. T., Ericson, J. M., & **Mitroff**, S. R. (2015, May). For better or worse: Prior trial accuracy affects current trial performance in visual search. Poster presented at the annual meeting of the Vision Sciences Society, St. Pete Beach, FL.
10. Shah, N., Holley, R. J., Benschir, M. D., & **Mitroff**, S. R. (2015, April). Use of visual stroboscopic therapy to Address hemianopsia and visual inattention following stroke – a pilot study. Poster presented at the annual meeting of the American Occupational Therapy Association, Nashville, TN.
11. **Mitroff**, S. R., Biggs, A. T., Adamo, S. H., Dowd, E. W., Winkle, J. & Clark, K. (2014, November). What can 1,000,000,000 trials tell us about visual search? Paper presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
12. Biggs, A. T., Adamo, S. H., Dowd, E. W., & **Mitroff**, S. R. (2014, November). Perceptual and conceptual set biases in multiple-target visual search. Poster presented at the annual meeting of the Psychonomic Society, Long Beach, CA.
13. Biggs, A. T., Cain, M. S., **Mitroff**, S. R. (2014, November). Reducing civilian causalities through cognitive training. Paper presented at the annual Object Perception, Attention, and Memory meeting, Long Beach, CA.
14. Berg, B. V., Appelbaum, L. G., Clark, K., **Mitroff**, S. R., & Woldorff, M. G. (2014, November). The neural cascade of processing underlying response time variability in visual search. Poster to be presented at the annual meeting of the Neuroscience Society, Washington, D.C.
15. **Mitroff**, S. R. (2014, August). Expand funding opportunities by embracing (and enjoying) applied research. Invited presentation in the “Navigating the National Funding Climate—Why What Happens on Capitol Hill Matters” symposium at the annual meeting of the American Psychological Association, Washington, DC.
16. Dowd, E. W., Monroe, D. M., LaBar, K. S., & **Mitroff**, S. R. (2014, April). Attentional prioritization of threat may be driven by perceptual changes. Poster presented at the annual meeting of the Cognitive Neuroscience Society, Boston, MA.
17. **Mitroff**, S. R. (2013, December). Multiple-target visual search. Talk presented at Visual Search: A Comprehensive Treatment. Army Research Office supported workshop. Washington, D.C.
18. Appelbaum, L. G., Bel-Bahar, T., Wang, L., Krasich, K., Hughes, L., **Mitroff**, S. R. (2013, November). *Mapping the core factors of visual perceptual performance*. Poster presented at the annual meeting of the Psychonomic Society, Toronto, ON, Canada.
19. Bel-Bahar, T., Gentzler, E., Adamo, S. H., Wang, L., Krasich, K., Hughes, L., **Mitroff**, S. R., & Appelbaum, L. G. (2013, November). *Visuomotor performance is predicted by ERP amplitudes in a rapid serial visual presentation (RSVP) protocol*. Poster presented at the annual meeting of the Psychonomic Society, Toronto, ON, Canada.
20. Biggs, A. T., & **Mitroff**, S. R. (2013, November). *Finding a needle (and a thread, and a thimble, and...) in a haystack: Multiple-target visual search for ultra-rare items*. Poster presented at the annual meeting of the Psychonomic Society, Toronto, ON, Canada.
21. Cain, M. S., Finn, A. S., Gabrieli, J. D., & **Mitroff**, S. R. (2013, November). *Cognitive, personality, and neuroimaging correlates of media multitasking*. Paper presented at the annual meeting of the Psychonomic Society, Toronto, ON, Canada.
22. Adamo, S. H., Biggs, A. T., & **Mitroff**, S. R. (2013, November). *Mo' money, mo' problems: Monetary motivation can exacerbate attentional blink errors*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Toronto, ON, Canada.

23. Clark, K., & **Mitroff**, S. R. (2013, November). *I knew you were going to miss that: Predicting future visual search performance from initial search abilities*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Toronto, ON, Canada.
24. Krasich, K., Hughes, L., Wang, L., Bel-Bahar, T., **Mitroff**, S. R., & Appelbaum, L. G. (2013, November). *Visual Perception and Motor Skills Across the Day*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Toronto, ON, Canada.
25. **Mitroff**, S. R. (2013, November). *Marrying theoretical and practical goals to advance psychological science and society*. Keynote Address presented at the annual Object Perception, Attention, and Memory meeting. Toronto, ON, Canada.
26. **Mitroff**, S. R. (2013, November). The human role in the Army's future: The need for high-level assessment & training. Talk presented at the Army Science Planning & Strategy Meeting: The Human Dimension. Potomac, MD.
27. **Mitroff**, S. R. (2013, October). *Enhancing personnel and standard operating procedures to improve homeland security*. Paper presented at the 2013 Homeland Security Expo, Washington, D.C.
28. Adamo, S. H., Biggs, A. T., & **Mitroff**, S. R. (2013, May). *Visual searches need their own personal space: The importance of spacing between simultaneously presented search arrays*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
29. Appelbaum, L. G., Cain, M. S., Schroeder, J. E., Darling, E. F., & **Mitroff**, S. R. (2013, May). *Visual plasticity: Altering cognition through stroboscopic training*. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
30. Biggs, A. T., Spaventa, T., Hopfinger, J., & **Mitroff**, S. R. (2013, May). The effects of searching for something you love (or hate): *Duke and UNC students search for rival team logos*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
31. Clark, K., Biggs, A. T., Darling, E. F., Cain, M. S., Jackson, T. H., Samei, E., Baker, J. A., & **Mitroff**, S. R. (2013, May). *Visual expertise: Insights gained by comparing professional populations*. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
32. Devyatko, D., Appelbaum, L. G., & **Mitroff**, S. R. (2013, May). *A common mechanism for perceptual reversals in motion-induced blindness, the Troxler effect, and perceptual filling-in*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
33. Dowd, E. W., Kiyonaga, A., Egner, T., & **Mitroff**, S. R. (2013, May). *Individual differences may reveal distinct mechanisms of attentional guidance*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
34. Jackson, T. H., **Mitroff**, S. R., Clark, K., Proffit, W. R., Lee, J. Y., & Nguyen, T. T. (2013, May). *Clinical Implications of Enhanced Face Symmetry Assessment Abilities in Orthodontists*. Poster presented at the annual meeting of the American Association of Orthodontists. Philadelphia, PA.
35. Jackson, T. H., **Mitroff**, S. R., Clark, K., Proffit, W. R., Lee, J. Y., & Nguyen, T. T. (2013, March). *Characterizing clinical skill acquisition: Face symmetry assessment abilities in orthodontists*. Paper presented at the annual meeting of the International Association for Dental Research. Seattle, WA.
36. Jackson, T. H., **Mitroff**, S. R., Clark, K., Proffit, W. R., Lee, J. Y., & Nguyen, T. T. (2013, February). *Clinical Skill Acquisition: Test-Enhanced Learning of Symmetry Assessment in Dental Education*. Paper presented at the UNC Dental Research in Review Day. Chapel Hill, NC.
37. Adamo, S. H., Cain, M. S., & **Mitroff**, S. R. (2012, November). *Self-Induced attentional blink: A cause of errors in multiple-target visual search*. Paper presented at the annual Object Perception, Attention, and Memory meeting. Minneapolis, MN.

38. Clark, K., Jackson, T. H., & **Mitroff**, S. R. (2012, November). *Face symmetry assessment: Evidence for malleability and expertise*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Minneapolis, MN.
39. Biggs, A. T., & **Mitroff**, S. R. (2012, November). *Second search same as the first: The benefit of consistency in multiple target search*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Minneapolis, MN.
40. Cain, M. S., & **Mitroff**, S. R. (2012, November). *Found targets are powerful distractors in multiple-target visual search*. Poster presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
41. **Mitroff**, S. R., Biggs, A. T., Cain, M. S., Darling, E. F., Clark, K., Adamo, S. H., & Dowd, E. W. (2012, November). *In search of experience effects: How TSA officers differ from undergraduates on visual search tasks*. Paper presented at the annual meeting of the Psychonomic Society, Minneapolis, MN.
42. Appelbaum, L. G., Clark, K., **Mitroff**, S. R., & Woldorff, M. G. (2012, October). *Cognitive and neural plasticity due to visual search training*. Paper presented at the annual meeting of the Society for Neuroscience, New Orleans, LA.
43. Adamo, S. H., Cain, M. S., & **Mitroff**, S. R. (2012, May). *Targets need their own personal space*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
44. Cain, M. S., Adamo, S. H., & **Mitroff**, S. R. (2012, May). *What eye-tracking can tell us about multiple-target visual search*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
45. Clark, K., Appelbaum, L. G., **Mitroff**, S. R., & Woldorff, M. G. (2012, May). *Neural correlates of learning during a visual search task*. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
46. Dowd, E. W., & **Mitroff**, S. R. (2012, May). *Attentional guidance by working memory overrides saliency cues in visual search*. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
47. **Mitroff**, S. R., Biggs, A. T., Cain, M. S., Darling, E. F., Clark, K., Adamo, S. H., & Dowd, E. W. (2012, May). *Visual search at the airport: Testing TSA officers*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
48. Dowd, E. W., & **Mitroff**, S. R. (2012, February). *Attentional guidance by working memory overrides saliency cues in visual search*. Poster presented at the annual meeting of the North Carolina Cognition Conference, Chapel Hill, NC.
49. **Mitroff**, S. R., Appelbaum, L. G., Schroeder, J. E., & Cain, M. S. (2011, November). *Improved visual cognition through stroboscopic training*. Paper presented at the annual meeting of the Psychonomic Society, Seattle, WA.
50. Clark, K., Samei, E., Baker, J., & **Mitroff**, S. R. (2011, November). *Expertise in radiological screening and satisfaction of search*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Seattle, WA.
51. Cain, M. S., & **Mitroff**, S. R. (2011, November). *Examining relationships between attentional traits and media multitasking behavior*. Poster presented at the annual Object Perception, Attention, and Memory meeting. Seattle, WA.
52. Cain, M. S., Vul, E., Clark, K., & **Mitroff**, S. R. (2011, July). *Optimal models of human multiple-target visual search*. Paper presented at the 33<sup>rd</sup> Annual Conference of the Cognitive Science Society. Boston, MA.
53. Clark, K., Cain, M. S., Adcock, R. A., & **Mitroff**, S. R. (2011, May). *Interactions between reward, feedback, and timing structures on dual-target search performance*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.

54. Cain, M. S., Dunsmoor, J. E., LaBar, K. S., & **Mitroff**, S. R. (2011, May). *Accuracy in dual-target visual search is hindered by anticipatory anxiety*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
55. Schroeder, J. E., Appelbaum, L. G., Cain, M. S. & **Mitroff**, S. R. (2011, May). *Examining the effects of stroboscopic vision*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
56. Cain, M. S., Dunsmoor, J. E., LaBar, K. S., & **Mitroff**, S. R. (2011, April). *Anticipatory anxiety decreases accuracy in dual-target visual search*. Poster presented at the 59<sup>th</sup> Annual Symposium on Motivation, Lincoln, NE.
57. Clark, K., Cain, M. S., Adcock, R. A., & **Mitroff**, S. R. (2011, April). *Motivational influences of monetary reward and performance feedback on dual-target search performance*. Poster presented at the 59<sup>th</sup> Annual Symposium on Motivation, Lincoln, NE.
58. **Mitroff**, S. R. (2011, April). *Examining influences on applied visual search performance*. Invited paper presented at the 59<sup>th</sup> Annual Symposium on Motivation. Lincoln, NE.
59. Cain, M. S., Vul, E., Clark, K., & **Mitroff**, S. R. (2010, November). Human search strategies are informed by complex target distribution statistics. Paper presented at the annual Object Perception, Attention, and Memory meeting, St. Louis, MO.
60. Clark, K., Zucker, N., Watson, K., & **Mitroff**, S. R. (2010, November). Revealing individual differences in visual search: ADHD leads to see too little and anorexia nervosa leads to seeing too much. Poster presented at the annual Object Perception, Attention, and Memory meeting, St. Louis, MO.
61. Cain, M. S., & **Mitroff**, S. R. (2010, November). *Impact of media multitasking on attentional filtering and disengagement*. Poster presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
62. **Mitroff**, S. R., Clark, K., & Cain, M. S. (2010, November). *Identifying and reducing satisfaction of search errors: How to alleviate dual-target search costs*. Paper presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
63. Hubal, R., **Mitroff**, S. R., Cain, M. S., Scott, B. & DeWitt, R. (2010, November). *Simulating a vigilance task: Extensible technology for baggage security assessment and training*. Poster presented at the 2010 IEEE International Conference on Technologies for Homeland Security, Waltham, MA.
64. **Mitroff**, S. R., Clark, K., & Cain, M. S. (2010, October). *Improving DHS Performance with visual cognition research*. Poster presented at the 2<sup>nd</sup> Annual Research Summit of the Institute for Homeland Security Solutions, Cary, NC.
65. **Mitroff**, S. R. & Hariri, A. R. (2010, October). *Exploring behavioral, neural and genetic markers of threat sensitivity*. Paper presented at the 2<sup>nd</sup> Annual Research Summit of the Institute for Homeland Security Solutions, Cary, NC.
66. Cain, M. S., & **Mitroff**, S. R. (2010, May). *Distractor filtering in media multitaskers*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
67. Clark, K., Fleck, M. S., & **Mitroff**, S. R. (2010, May). *Reducing satisfaction of search errors in visual search*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
68. Clark, K., Fleck, M. S., & **Mitroff**, S. R. (2009, November). *Video game players excel at change detection*. Poster presented at the annual Object Perception, Attention, and Memory meeting, Boston, MA.
69. Fleck, M. S., Samei, E., & **Mitroff**, S. R. (2009, November). *Generalized 'satisfaction of search': Adverse influences on dual-target search accuracy*. Paper presented at the annual meeting of the Psychonomic Society, Boston, MA. (presented by S. R. Mitroff)

70. Hubal, R., & **Mitroff, S. R.** (2009, October). *Improving vigilance for homeland security personnel*. Paper presented at the Inaugural Research Summit of the Institute for Homeland Security Solutions, Chapel Hill, NC.
71. Carter, O., Luedeman, R., **Mitroff, S. R.**, Nakayama, K. (2009, September). *Motion Induced Blindness: The more you attend the less you see*. Paper presented at the 32nd Annual Meeting of the Japan Neuroscience Society, Nagoya, Japan.
72. Clark, K., Fleck, M. S., & **Mitroff, S. R.** (2009, May). *Effects of videogame expertise on change detection abilities*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
73. Donohue, S. E., Woldorff, M. G., & **Mitroff, S. R.** (2009, May). *Multisensory benefits of playing video games*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
74. Jordan, K. E., Clark, K., & **Mitroff, S. R.** (2009, May). *See an object, hear an object file: Object correspondence transcends sensory modality*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
75. Dunsmoor, J. E., **Mitroff, S. R.**, & LaBar, K. S. (2009, March). *Generalization of human fear learning along a perceptual gradient of expression intensity*. Poster presented at the annual meeting of the North Carolina Cognition Conference, Durham, NC.
76. Dunsmoor, J. E., **Mitroff, S. R.**, & LaBar, K. S. (2008, November). *Generalization of human fear learning along a perceptual gradient of expression intensity*. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.
77. Wu, W., Tiesinga, P. H., Tucker, T. R., **Mitroff, S. R.**, Heiner, J. A., & Fitzpatrick, D. (2008, November). *VI population response to changes in direction of stimulus motion: modeling and perception*. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.
78. **Mitroff, S. R.** (2008, November). *Motivational benefits of video game playing*. Paper presented at the annual meeting of the Psychonomic Society, Chicago, IL.
79. **Mitroff, S. R.** (2008, October). *Identification and Training of "Hyperfocusers": those with remarkable attentional capability*. Invited Paper presented at the Neuroergonomics and Neuromorphics Workshop sponsored by the Life Sciences Division of the U.S. Army Research, Development, and Engineering Command of the Army Research Office. University of Maryland, MD.
80. **Mitroff, S. R.** (2008, August). *The malleability of visual cognition: Effects of videogame playing on vision and motivation*. Paper presented at the annual meeting of the Cognitive Science Association for Interdisciplinary Learning, Hood River, OR.
81. Carter, O., Luedeman, R., & **Mitroff, S. R.**, & Nakayama, K. (2008, May). *Motion induced blindness: The more you attend the less you see*. Paper presented at the annual meeting of the Vision Sciences Society, Naples, FL.
82. Fleck, M. S., & **Mitroff, S. R.** (2008, May). *Videogamers excel at finding rare targets*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
83. **Mitroff, S. R.**, & Jordan, K. E. (2008, May). *Videogame players demonstrate enhanced multi-sensory abilities*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
84. Wu, W., Tiesinga, P., Tucker, T., Heiner, J., **Mitroff, S. R.**, & Fitzpatrick, D. (2008, May). *The dynamics of VI population response to instantaneous changes in direction of stimulus motion*. Poster presented at the annual meeting of the Vision Sciences Society, Naples, FL.
85. **Mitroff, S. R.**, Arita, J. T., & Fleck, M. S. (2007, November). *Staying in Bounds: Contextual constraints on object file coherence*. Paper presented at the annual meeting of the Psychonomic Society, Long Beach, CA.

86. Fleck, M. S., & **Mitroff**, S. R. (2007, May). *Catching a miss: Error reduction in low prevalence search*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
87. **Mitroff**, S. R., & Wang, S. (2007, May). *Preserved visual representations despite change blindness in 11-month-old infants*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
88. **Mitroff**, S. R., & Alvarez, G. A. (2006, November). *Space and time, not surface features, underlie object persistence*. Paper presented at the annual meeting of the Psychonomic Society, Houston, TX.
89. Arita, J. T. & **Mitroff**, S. R. (2006, May), *Staying in bounds: A critical role of closure for object files*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
90. **Mitroff**, S. R., Sobel, D. M., Gopnik, A. (2006, May). *Reversing how to think about ambiguous figure reversals: Spontaneous alternating by uninformed observers*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
91. **Mitroff**, S. R. (2006, May). *Seeing without seeing: Complex perception outside of awareness*. Invited talk presented at the annual meeting of the American Psychological Society, New York, NY.
92. **Mitroff**, S. R. (2006, February). *Visual perception without awareness: Evidence from motion-induced blindness*. Invited talk presented at the annual meeting of the North Carolina Cognition Conference, Greensboro, NC.
93. **Mitroff**, S. R., Scholl, B. J., & Wynn, K. (2005, November). *One plus one equals one: The effects of merging on object files*. Poster presented at the annual meeting of the Psychonomic Society, Toronto, ON, Canada.
94. **Mitroff**, S. R., Cheries, E. W., Scholl, B. J., & Wynn, K. (2005, May). *Cohesion as a principle of object persistence in infants and adults*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
95. **Mitroff**, S. R., Scholl, B. J., & Wynn, K. (2005, April). *What vision scientists can learn from infants: Evidence of core principles guiding adult object persistence*. Paper presented at the Yale Object Symposium, New Haven, CT.
96. **Mitroff**, S. R., Wynn, K., & Scholl, B. J. (2005, April). *Exploring persisting object representations with infants and adults*. Paper presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.
97. **Mitroff**, S. R. & Scholl, B. J. (2004, May). *Online grouping and segmentation without awareness: Evidence from motion-induced blindness*. Paper presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
98. **Mitroff**, S. R., Wynn, K., Scholl, B. J., Johnson, S. P., & Shuwairi, S. M. (2004, May). *'Bouncing vs. streaming' as a measure of infants' dynamic object individuation*. Poster presented at the annual meeting of the International Society on Infant Studies, Chicago, IL.
99. **Mitroff**, S. R. & Scholl, B. J. (2003, November). *Perceiving the disappearances of unseen objects in Motion-induced Blindness*. Paper presented at the annual *Object Perception, Attention, and Memory* meeting, Vancouver, B.C.
100. **Mitroff**, S. R., Scholl, B. J., & Wynn, K. (2003, May). *The relationship between object files and conscious perception*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
101. Noles, N. S., Scholl, B. J., **Mitroff**, S. R. (2003, May). *The persistence of object-file representations*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.

102. **Mitroff**, S. R., Simons, D. J., & Levin, D. T. (2002, November). *Three blinding devices: See how change detection runs*. Paper presented at the annual Object Perception, Attention, and Memory meeting, Kansas City, MO.
103. **Mitroff**, S. R. & Simons, D. J. (2001, May). *A lack of confidence in implicit change detection*. Poster presented at the annual meeting of the Vision Sciences Society, Sarasota, FL.
104. **Mitroff**, S. R. & Simons, D. J. (2000, November). *Without explicit detection, change localization is chance*. Poster presented at the annual Object Perception, Attention, and Memory meeting, New Orleans, LA.
105. **Mitroff**, S. R. & Simons, D. J. (2000, March). *Changes are not localized until they are explicitly detected*. Poster presented at the annual meeting of the Association for Research in Vision and Ophthalmology, Ft. Lauderdale, FL.

## Research

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### Awards

NIMH National Research Service Award, Post-doctoral Fellow, 2002 to 2005  
 National Science Foundation Graduate Fellow, 1999 to 2002  
 Derek Bok Teaching Award, Harvard University, Spring 2001  
 George W. Goethals Teaching Prize, Harvard University, 2001-2002

### Brownbags, Colloquia, and Talks

|          |                                      |  |
|----------|--------------------------------------|--|
| Dec 2016 | Georgetown University                | Translational Biomedical Science Program         |
| Nov 2016 | George Mason University              | Human Factors & Applied Cognition, Psychology    |
| Apr 2016 | George Washington University         | School of Public Health, mobile-health group     |
| Apr 2016 | George Washington/ARL workshop       | GW CogNeuro and Army Research Labs meeting       |
| Apr 2015 | George Washington University         | Department of Psychology                         |
| Apr 2015 | American University                  | Department of Psychology                         |
| Apr 2015 | George Washington University         | Milkin School of Public Health                   |
| Nov 2014 | University of Virginia               | Cognitive Lunch; Psychology Department           |
| Mar 2014 | Lehigh University                    | Psychology Department Colloquium                 |
| Mar 2014 | Catholic University                  | Biomedical Engineering Seminar                   |
| Feb 2014 | Georgetown University                | Department of Neuroscience, Brownbag             |
| Jan 2014 | George Washington University         | Department of Psychology, Brownbag               |
| Dec 2013 | MedStar Center for Human Factors     | Brown Bag  |
| Oct 2013 | University of Delaware               | Department of Psychology                         |
| Sep 2013 | National Rehabilitation Hospital, DC | Motor Control & Munchies Brownbag Series         |
| Sep 2013 | University of Maryland, College Park | Computer Vision Laboratory, Computer Science     |
| Sep 2013 | George Mason University              | Human Factors & Applied Cognition, Psychology    |
| Dec 2012 | Georgetown University                | Department of Psychology                         |
| Nov 2012 | American University                  | Center for Behavioral Neuroscience               |
| Jul 2012 | The Johns Hopkins University         | Vision Seminar; Psychological and Brain Sciences |
| Apr 2012 | Duke University                      | Center for Cognitive Neuroscience                |
| Mar 2012 | Duke University                      | Computer Science-Visualization Technology Group  |
| Jan 2012 | U. of Illinois, Urbana-Champaign     | Department of Psychology                         |
| Mar 2011 | North Dakota State University        | Department of Psychology                         |
| Feb 2011 | University of California, Riverside  | Department of Psychology                         |
| Nov 2009 | Duke University                      | Department of Psychology & Neuroscience          |
| Mar 2009 | Univ. of North Carolina, Greensboro  | Department of Psychology                         |
| Feb 2009 | Brown University                     | Cognitive, Linguistic & Psychological Sciences   |
| Jan 2009 | Emory University                     | Department of Psychology                         |
| Oct 2008 | Wofford College                      | Department of Psychology                         |



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| Sep 2008 | University of Delaware               | Department of Psychology                          |
| Aug 2008 | University of Oregon                 | Posner & Keele Center for Cognitive Neurosciences |
| May 2008 | Duke University                      | Duke Advanced Imaging Labs, Medical Center        |
| Jan 2008 | Duke University                      | Center for Cognitive Neuroscience                 |
| Oct 2007 | University of California, Berkeley   | Institute of Cognitive and Brain Sciences         |
| Sep 2007 | North Carolina State University      | Computer Science-Digital Games Research Center    |
| Sep 2007 | U. of North Carolina, Chapel Hill    | Department of Psychology                          |
| Apr 2007 | University of Hong Kong              | Department of Psychology                          |
| Feb 2007 | Penn State University                | Department of Psychology                          |
| Jan 2007 | Yonsei University, South Korea       | Department of Psychology                          |
| Nov 2006 | Duke University                      | Computer Science-Visualization Technology Group   |
| Oct 2005 | Harvard University                   | Vision Lab, Department of Psychology              |
| Mar 2005 | Duke University                      | Center for Cognitive Neuroscience                 |
| Feb 2005 | U. Colorado, Boulder                 | Institute of Cognitive Sciences                   |
| Feb 2005 | U. Colorado, Boulder                 | Department of Psychology                          |
| Feb 2005 | University of California, Santa Cruz | Department of Psychology                          |
| Feb 2005 | University of California, Irvine     | Department of Cognitive Sciences                  |
| Dec 2004 | Boston College                       | Department of Psychology                          |
| Dec 2004 | Duke University                      | Psychological and Brain Sciences, Lunchbox        |
| Oct 2004 | Stanford University                  | Department of Psychology, Cognitive Seminar       |
| Oct 2004 | University of California, Berkeley   | Cognition, Brain, & Behavior Colloquium           |
| Mar 2003 | Yale University                      | Current Work in Cognitive Psychology              |
| Oct 2000 | Harvard University                   | Cognition, Brain, & Behavior Seminar              |

### Public Addresses and Industry/Government Presentations

|          |   |   |
|----------|---|---|
| Jul 2016 | TSA Human Factors Symposium             | TSA Headquarters, Research Briefing               |
| Jun 2016 | Canadian Air Transport Security Auth.   | CATSA Headquarters, Research Briefing             |
| Mar 2016 | US Army Natick Army Research Labs       | Research, Development, & Engineering Center       |
| Sep 2015 | Human Factors Integrated Project Team   | TSA Headquarters, Research Briefing               |
| Jan 2015 | National Geospatial Intelligence Agency | Brownbag  |
| Oct 2014 | MedStar Institute for Innovation        | Thinking Differently Forum                        |
| Feb 2014 | Federal Drug Administration             | Research Briefing                                 |
| Feb 2014 | NIH; National Cancer Institute          | Brown Bag   |
| Feb 2014 | Army Research Labs, Aberdeen            | Research Briefing                                 |
| Jan 2014 | TSA Townhall                            | TSA Headquarters, Research Briefing               |
| Jul 2013 | United States Congress                  | Congressional Briefing on Homeland Security       |
| Dec 2012 | RDU airport, TSA leadership             | Research Briefing                                 |
| Sep 2012 | TSA Headquarters, Washington D.C.       | Research Briefing                                 |
| Sep 2012 | Friesen Physio Fitness Summit           | Sports Medicine Conference                        |
| Jul 2012 | N.C. Military Business Center           | N.C. Federal Advanced Technologies Symposium      |
| Oct 2011 | Athletic Republic                       | Facility Conference on Sports Vision Training     |
| Sep 2011 | RDU airport, TSA leadership             | Research Briefing                                 |
| Feb 2011 | Durham Academy High School              | High School Assembly                              |
| Sep 2009 | Osher Life Long Learning Inst.; Duke    | Continuing Studies: Cognitive Neuroscience Series |
| May 2008 | Alienware Computers                     | Research & Development, Emerging Technologies     |

## **Professional Service**

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### Organizational Duties

|  |                           |
|--|---------------------------|
| Visual Search: A Comprehensive Treatment (ARO funded workshop) | Organizer, 2013           |
| Psychonomic Society Annual Meeting                             | Session Chair, 2007; 2009 |
| Object Perception, Attention, & Memory Workshop                | Organizer; 2004, 2005     |

University Service

- 2009 – 2010 *Director of Graduate Studies*, Duke Cognitive Neuroscience Graduate Admitting Program
- 2010 Sophomore Year Experience, Duke Career Luncheon speaker
- 2009 Duke Responsible Conduct of Research Grad Student Orientation, Faculty Panel member
- 2009 Duke Responsible Conduct of Research Grad Student Orientation, Breakout session leader
- 2007 – 2009 Duke Center for Instructional Technology Faculty Ambassador, P&N Department

Departmental & Center Service

- 2016 – current *Chair*, GW Psychology Colloquium Committee
- 2015 – current GW Psychology Department Newsletter Committee
- 2010 – 2012 Duke Cognitive Neuroscience Graduate Admitting Program Steering/Admissions Committee
- 2009 – 2010 *Chair*, Duke Cognitive Neuroscience Graduate Admitting Program Admissions Committee
- 2009 – 2010 *Chair*, Duke Cognitive Neuroscience Graduate Admitting Program Steering Committee
- 2008 – 2010 Duke Center for Cognitive Neuroscience Retreat Committee
- 2007 – 2008 Duke Psychology & Neuroscience Cognitive Neuroscience LunchBox committee
- 2007 – 2012 Duke Psychology & Neuroscience Department Colloquium Committee
- 2008 Duke Center for Cognitive Neuroscience Colloquium Series Coordinator
- 2005 – 2008 Duke Interdisciplinary Program in Cognitive Neuroscience Graduate Admissions Committee
- 2005 – 2008 Duke Interdisciplinary Program in Cognitive Neuroscience Steering Committee
- 2006 Duke Cognitive Psychology/Cognitive Neuroscience Faculty Search Committee
- 2005 Duke Psychological & Brain Sciences Graduate Admissions Committee

Editorial Boards

- Acta Psychologica (2009– )
- Attention, Perception & Psychophysics (2008– )
- Frontiers in Perception Science (2010– )
- Psychological Science (2011 & 2012)
- Psychonomic Bulletin & Review (2011– )
- Visual Cognition (2007– )

Grant Reviewing

- National Institutes of Health, Cognition & Perception Panel, 2/2008, Ad-hoc
- National Science Foundation
- Macquarie University Research Fellowship Program, Australia
- National Sciences and Engineering Research Council of Canada
- The Leverhulme Trust
- United States Army Research Laboratory
- United States Army Research Office
- United States Army Natick Research & Development Center
- United Kingdom Economic and Social Research Council

Ad-hoc Journal Reviewing (48 Journals)

- Acta Psychologica; Applied Cognitive Psychology; Attention, Perception & Psychophysics, Behavioral and Brain Functions, British Journal of Psychology, Cerebral Cortex, Child Development, Cognition, Cognitive Brain Research, Cognitive Processing, Cognitive Research: Principles and Implications, Cognitive Science, Consciousness and Cognition, Current Opinion in Behavioral Sciences, Developmental Psychology, Developmental Science, Ergonomics, European Journal of Neuroscience, Experimental Psychology, Human Factors, Japanese Psychological Research, Journal of Cognition and Development, Journal of Cognitive Neuroscience, Journal of Gerontology: Psychological Sciences, Journal of Experimental Child Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Human Perception & Performance, Journal of Experimental Psychology:

Learning, Memory, and Cognition, Journal of Motor Behavior, Journal of Neuroscience, Journal of Sports Sciences, Journal of Vision, Motor Control, Neuropsychologia, Perception, Perceptual & Motor Skills, Perspectives on Psychological Science, PLoS ONE (Public Library of Science), Proceedings of the National Academy of Sciences, Psychological Research / Psychologische Forschung, Psychological Science, Psychological Bulletin, Psychonomic Bulletin & Review, Public Health, Quarterly Journal of Experimental Psychology, Trends in Cognitive Sciences, Visual Cognition

### Professional Society Membership

|  |                |
|--|----------------|
| American Psychological Association                   | Member, 2003 – |
| American Psychological Society                       | Member, 2003 – |
| Association for Research in Vision and Ophthalmology | Member, 2000   |
| Psychonomic Society                                  | Member, 2004 – |
| Vision Sciences Society                              | Member, 2001 – |

## Teaching and Supervision

### Courses Taught

|              |               |   |
|--------------|---------------|---|
| 2016, Fall   | George Wash.  | First-year Dean's Seminar: Science in the District              |
| 2016, Spring | George Wash.  | Introduction to Cognitive Psychology                            |
| 2015, Fall   | George Wash.  | First-year Dean's Seminar: Science in the District              |
| 2013, Spring | Duke Univ.    | Introduction to Cognitive Psychology                            |
| 2012, Fall   | Duke Univ.    | Graduate Seminar: Cognitive Psychology                          |
| 2011, Fall   | Duke Univ.    | Seminar: Seeing & Knowing; Intro to Visual Cognition            |
| 2010, Fall   | Duke Univ.    | Seminar: Seeing & Knowing; Intro to Visual Cognition            |
| 2010, Spring | Duke Univ.    | Seminar: Seeing & Knowing; Intro to Visual Cognition            |
| 2009, Fall   | Duke Univ.    | Cognitive Neuroscience Colloquia Course                         |
| 2009, Fall   | Duke Univ.    | Introduction to Cognitive Psychology                            |
| 2008, Fall   | Duke Univ.    | Seminar: Seeing & Knowing; Intro to Visual Cognition            |
| 2008, Spring | Duke Univ.    | Seminar: Seeing & Knowing; Intro to Visual Cognition            |
| 2007, Fall   | Duke Univ.    | Introduction to Cognitive Psychology                            |
| 2007, Spring | Duke Univ.    | Neurobiology Graduate Seminar: Vision ( <i>Co-Instructor</i> )  |
| 2006, Fall   | Duke Univ.    | Introduction to Cognitive Psychology                            |
| 2006, Spring | Duke Univ.    | Seminar: Seeing & Knowing; Intro to Visual Cognition            |
| 2002, Spring | Harvard Univ. | Sophomore Tutorial in Psychology                                |
| 2001, Fall   | Harvard Univ. | Sophomore Tutorial in Psychology                                |
| 2001, Spring | Harvard Univ. | Vision and the Brain ( <i>Teaching Fellow</i> )                 |
| 2000, Fall   | Harvard Univ. | Introduction to Cognitive Psychology ( <i>Teaching Fellow</i> ) |
| 2000, Spring | Harvard Univ. | Vision and the Brain ( <i>Teaching Fellow</i> )                 |
| 1999, Fall   | Harvard Univ. | Introduction to Cognitive Psychology ( <i>Teaching Fellow</i> ) |

### Other Teaching

|              |            |  |
|--------------|------------|--|
| 2012, Fall   | Duke Univ. | Introduction to Visual Culture ( <i>Guest Lecturer</i> )                     |
| 2011, Fall   | Duke Univ. | Introduction to Visual Culture ( <i>Guest Lecturer</i> )                     |
| 2011, Fall   | Duke Univ. | Principles of Cog. Neuroscience I, Graduate level ( <i>Guest Lecturer</i> )  |
| 2010, Spring | Duke Univ. | Principles of Cog. Neuroscience II, Graduate level ( <i>Guest Lecturer</i> ) |
| 2010, Fall   | Duke Univ. | Principles of Cog. Neuroscience I, Graduate level ( <i>Guest Lecturer</i> )  |
| 2010, Fall   | Duke Univ. | Duke Neuroscience Bootcamp, Graduate level ( <i>Guest Lecturer</i> )         |
| 2010, Spring | Duke Univ. | Principles of Cog. Neuroscience II, Graduate level ( <i>Guest Lecturer</i> ) |
| 2008, Spring | Duke Univ. | Principles of Cog. Neuroscience II, Graduate level ( <i>Guest Lecturer</i> ) |
| 2008, Spring | Duke Univ. | Introduction to Cognitive Neuroscience, ( <i>Guest Lecturer</i> )            |

|              |            |   |
|--------------|------------|---|
| 2007, Fall   | Duke Univ. | Principles of Cog. Neuroscience I, Graduate level ( <i>Guest Lecturer</i> ) |
| 2006, Spring | Duke Univ. | Introduction to Cognitive Neuroscience ( <i>Guest Lecturer</i> )            |

### Postdoctoral Fellow Advising

|                      |                   |   |
|----------------------|-------------------|---|
| Matthew S. Cain      | Duke University   | 08/2009 – 06/2012   |
| L. Gregory Appelbaum | Duke University   | 12/2009 – 05/2011 ( <i>10% effort</i> )                     |
| Tarik S. Bel-Behar   | Duke University   | 10/2012 – 10/2013 ( <i>co-advisor with L.G. Appelbaum</i> ) |
| Lingling Wang        | Duke University   | 01/2013 – 02/2014 ( <i>co-advisor with L.G. Appelbaum</i> ) |
| Adam T. Biggs        | Duke University   | 10/2011 – 06/2014   |
| Justin Ericson       | Duke University   | 08/2014 – 06/2016   |
| Justin Ericson       | George Washington | 07/2016 –   |
| Stephen Adamo        | George Washington | 08/2016 –   |

### Graduate Student Advising

|                    |  |  |
|--------------------|--|--|
| Mathias Fleck      | Duke Psychology & Neuroscience, 2006–2009, <i>primary advisor</i>                      |  |
| Kait Clark         | Duke Psychology & Neuroscience; CN Admitting Prgm, 2008–2014, <i>primary advisor</i>   |  |
| Stephen Adamo      | Duke Psychology & Neuroscience, 2010–2016, <i>primary advisor</i>                      |  |
| Emma Wu Dowd       | Duke Psychology & Neuroscience; CN Admitting Program, 2011 – 2016, <i>co-advisor</i>   |  |
| Dina Devyatko      | Duke Psychology & Neuroscience, 2010 – 2011, <i>Visiting Fulbright Scholar advisor</i> |  |
| Jonathan Winkle    | Duke Psychology & Neuroscience; CN Admitting Program, 2012 –, <i>co-advisor</i>        |  |
| Anastasia Kiyonaga | Duke Psychology & Neuroscience, practicum, Spring 2010                                 |  |
| Joseph Dunsmoor    | Duke Psychology & Neuroscience, practicum, Spring 2008                                 |  |
| Yonatan Mazuz      | Duke Cognitive Neuroscience Admitting Program rotation, Spring 2008                    |  |
| Jeffrey Nelson     | Duke Psychology & Neuroscience, practicum, Fall 2007                                   |  |
| Klaus Libertus     | Duke Psychology & Neuroscience, practicum, Spring 2006                                 |  |
| Sarah Donohue      | Duke Cognitive Neuroscience Admitting Program rotation, Spring 2007                    |  |
| Joseph Harris      | Duke Cognitive Neuroscience Admitting Program rotation, Fall 2007                      |  |
| Rachel Wynn        | George Washington Psychology, 2016 –, <i>primary advisor</i>                           |  |
| Michelle Kramer    | George Washington Psychology, 2016 –, <i>primary advisor</i>                           |  |

### M.A. Committees

|                    |   |
|--------------------|---|
| Stephen Adamo      | Duke Psychology & Neuroscience (chair)    |
| Kait Clark         | Duke Psychology & Neuroscience (chair)    |
| Emma Wu Dowd       | Duke Psychology & Neuroscience (chair)    |
| Mathias Fleck      | Duke Psychology & Neuroscience (chair)    |
| Jonathan Winkle    | Duke Psychology & Neuroscience (co-chair) |
| David Bulkin       | Duke Neurobiology                         |
| Simon Davis        | Duke Psychology & Neuroscience            |
| Sarah Donohue      | Duke Neurobiology                         |
| Joseph Dunsmoor    | Duke Psychology & Neuroscience            |
| Joseph Harris      | Duke Psychology & Neuroscience            |
| Jiefeng Jiang      | Duke Psychology & Neuroscience            |
| Sarah Jones        | Duke Psychology & Neuroscience            |
| Anastasia Kiyonaga | Duke Psychology & Neuroscience            |
| Klaus Libertus     | Duke Psychology & Neuroscience            |
| Ariel Starr        | Duke Psychology & Neuroscience            |

### Ph.D. Dissertation Committees

|               |                                |                            |
|---------------|--------------------------------|----------------------------|
| Mathias Fleck | Duke Psychology & Neuroscience | Ph.D. awarded 2009 (chair) |
| Kait Clark    | Duke Psychology & Neuroscience | Ph.D. awarded 2014 (chair) |
| Stephen Adamo | Duke Psychology & Neuroscience | Ph.D. awarded 2016 (chair) |

|                    |                                      |                               |
|--------------------|--------------------------------------|-------------------------------|
| Emma Wu Dowd       | Duke Psychology & Neuroscience       | Ph.D. awarded 2016 (co-chair) |
| Rachel Wynn        | George Washington Psychology (chair) |                               |
| Kerry Jordan       | Duke Psychology & Neuroscience       | Ph.D. awarded 2007            |
| Chien-Te Vince Wu  | Duke Psychology & Neuroscience       | Ph.D. awarded 2007            |
| David Bulkin       | Duke Neurobiology                    | Ph.D. awarded 2010            |
| Klaus Libertus     | Duke Psychology & Neuroscience       | Ph.D. awarded 2010            |
| Simon Davis        | Duke Psychology & Neuroscience       | Ph.D. awarded 2011            |
| Sarah Donohue      | Duke Neurobiology                    | Ph.D. awarded 2012            |
| Joseph Harris      | Duke Psychology & Neuroscience       | Ph.D. awarded 2012            |
| Joseph Dunsmoor    | Duke Psychology & Neuroscience       | Ph.D. awarded 2012            |
| Sarah Jones        | Duke Psychology & Neuroscience       | Ph.D. awarded 2012            |
| Anastasia Kiyonaga | Duke Psychology & Neuroscience       | Ph.D. awarded 2015            |
| Jonathan Winkle    | Duke Psychology & Neuroscience       |                               |
| Chunyue Teng       | George Washington Psychology         |                               |
| Matthew Hitchins   | George Washington Psychology         |                               |

### Additional Graduate Committees

|               |                |                  |                     |              |
|---------------|----------------|------------------|---------------------|--------------|
| James Niehaus | NC State Univ. | Computer Science | Ph.D. committee     | awarded 2009 |
| Tate Jackson  | UNC-CH         | Orthodontics     | Residency committee | awarded 2013 |

### Undergraduate Honors Thesis Committees

|                 |  |
|-----------------|--|
| Emily Bray      | Duke Psychology, B.A. awarded 2012 ( <i>Zener Award winner</i> ) |
| Louis Bonacorsi | Duke Psychology, B.A. awarded 2011                               |
| Brittany James  | Duke Psychology, B.A. awarded 2009 (chair)                       |
| Laura Sestokas  | Duke Psychology, B.A. awarded 2009 (chair)                       |
| Viktoria Elgis  | Duke Psychology, B.A. awarded 2008 (chair)                       |
| Tina Liang      | Duke Psychology, B.A. awarded 2008                               |
| Margaret Bates  | Duke Psychology, B.A. awarded 2007                               |

### Undergraduate Supervised Research in Psychology

|              |   |
|--------------|---|
| 2016, Fall   | GW Psychology Independent Research                                    |
| 2016, Spring | GW Psychology Independent Research                                    |
| 2012, Spring | Duke Independent Study; Practicum                                     |
| 2011, Fall   | Duke Independent Study; Practicum                                     |
| 2011, Spring | Duke Independent Study; Practicum                                     |
| 2010, Fall   | Duke Independent Study; Practicum                                     |
| 2010, Spring | Duke Independent Study; Practicum                                     |
| 2009, Fall   | Duke Independent Study; Practicum                                     |
| 2009, Spring | Duke Independent Study; Practicum                                     |
| 2008, Fall   | Duke Independent Study; Practicum                                     |
| 2008, Spring | Duke Independent Study; Practicum; Robertson Program, UNC Chapel Hill |
| 2007, Fall   | Duke Independent Study; Practicum; Robertson Program, UNC Chapel Hill |
| 2007, Spring | Duke Practicum  |

### High School Student Supervised Research in Psychology

|                    |   |
|--------------------|---|
| Soleille Everest   | NC School of Science and Mathematics HS Mentorship Program, Fa2007-Sp2008 |
| Somin Lee          | U.S. Army High School Apprenticeship Program, Summer 2010                 |
| James Vanderburg   | U.S. Army High School Apprenticeship Program, Summer 2010                 |
| Edward Liu         | U.S. Army High School Apprenticeship Program, Summer 2011                 |
| Mary-Gray Southern | U.S. Army High School Apprenticeship Program, Summer 2011                 |

### Supervised Student Research Fellowships

NIMH NRSA Individual Pre-doctoral Fellowship  
“External influences on visual search” (F31 MH082582)  
Grant period: May 1, 2008 through April 30, 2009  
Student Investigator; Mathias S. Fleck

National Science Foundation Graduate Research Fellowship  
Awarded: 2011 (3 years of funding)  
Student Investigator: Stephen Adamo

Ford Foundation Graduate Fellowship  
Awarded: 2011 (3 years of funding)  
Student Investigator: Stephen Adamo

### Supervised Student Research Support

Duke Vertical Integration Program, Summer 2013  
Graduate Student Investigators: Kait Clark  
Undergraduate Student Investigator: Clara Colombatto  
\$4800 in research-based stipends

Duke Visual Studies Initiative, Summer 2011  
Undergraduate Student Investigators: Michael Schallmo & Benjamin Crisp  
\$2000 in summer fellowships

Duke Vertical Integration Program, Summer 2010  
Graduate Student Investigators: Kait Clark  
Undergraduate Student Investigator: Katherine Grace Kohut  
\$3300 in research-based stipends

Duke Vertical Integration Program, Summer 2008  
Graduate Student Investigators: Mathias S. Fleck & Sarah Donohue  
Undergraduate Student Investigators: Laura Sestokas & Brittany James  
\$8600 in research-based stipends

Duke Vertical Integration Program, Summer 2007  
Graduate Student Investigators: Mathias S. Fleck  
Undergraduate Student Investigators: Viktoria Elkis, Ricky Green  
\$8600 in research-based stipends

Sigma Xi, Grants-in-Aid of Research, 2006  
Student Investigator; Kerry E. Jordan  
\$600 direct costs towards research

APA Dissertation Award, 2006  
Student Investigator; Kerry E. Jordan  
\$1000 direct costs towards research