

Trafton Drew

Assistant Professor ° University of Utah
Psychology Department ° Salt Lake City, UT
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Primary Professional Appointments

Assistant Professor	University of Utah, Department of Psychology Salt Lake City, UT	2014-present
Principal Investigator	Natick Soldier Research, Development, and Engineering Center Natick, MA	2014

Education and Training

Post-doc	Brigham & Women's Hospital / Harvard Medical School Mentor: Jeremy M. Wolfe	2010-2013
Ph.D., M.S.	University of Oregon (Cognitive Psychology) Mentor: Edward K. Vogel	2009
B.A.	University of North Carolina-Chapel Hill (Psychology) <i>Magna cum laude</i>	2002

Funding

Early Investigator Start-up Grant

Title: Resetting Working Memory
Funding Source: Binational Science Foundation
Co-PI with Roy Luria (Tel Aviv University)
Grant period: 11/1/16 through 10/31/18
Total funding: \$150,000

Neuroscience Initiative Pilot Funding

Title: Identifying infant neurophysiological signatures linked with prenatal exposure to maternal anxiety
Funding Source: University of Utah Neuroscience Initiative
Co-PI with Elisabeth Conrardt and Erin Clark (University of Utah)
Grant period: 7/1/16 through 6/31/17
Total funding: \$50,000

U.S. Army Research Office and U.S. Army Research Laboratory Cooperative agreement

Title: Attentional support for visual search and surveillance

Funding Source: Army Research Office

PI: Trafton Drew

Grant period: 7/1/15 through 6/30/18

Total funding: \$898,310

Defense University Research Instrumentation Program

Title: Augmenting Threat Detection Through Online Eye-Tracking Feedback

Funding Source: Army Research Office

PI: Trafton Drew

Grant period: 8/15/15 through 8/14/16

Total funding: \$81,524

Interdisciplinary Research Pilot Program (IRPP)

Title: The Cognitive Psychology of Kinship and Descent Tracking

Funding Source: CSBS Interdisciplinary Research Pilot Program at the University of Utah

co-PIs: Douglas Jones & Trafton Drew

Grant period: 10/1/15 through 10/1/16

total funding: \$9,066

National Counsel of Technological and Scientific Development

Title: "Symposium Optimizing Excellence in Athletes Performance"

Funding Source: Brazilian Science Foundation

PI: Martina Navarro

Symposia dates: 12/8/13 through 12/14/13

NRSA Postdoctoral Fellowship

Title: Searching 3D medical images: Using online feedback to increase accuracy and efficiency

Funding Source: NIH: NIBIB

PI: Trafton Drew

Grant period: 7/1/11 through 6/30/13

Total funding: \$94,512

Peer Reviewed Publications

(bold names = student collaborator)

Boettcher, S. E., Drew, T., Wolfe, J. M. (in press). Lost in the supermarket: partitioning memory in hybrid search. **Memory & Cognition**.

Williams, L. H. & Drew, T. (2017). Distraction in diagnostic radiology: How is search through volumetric medical images affected by interruptions? **Cognitive Research: Principles and Implications**, 2(1), 39.

Cunningham, C., Drew, T., Wolfe, J. M. (2017). Analog computer aided detection (CAD) information can be more effective than binary marks. **Attention, Perception & Psychophysics**, 79(2), 679-690.

- Drew, T. & Stothart, C. (2016). Clarifying the role of target similarity, task relevance, and feature-based suppression during sustained inattentive blindness. **Journal of Vision**, 16(15):13, 1-9.
- Wen, G., **Aizenman**, A., Drew, T., Wolfe, J. M., Haygood T. M., Markey M.K. (2016). Computational Assessments of Visual Search Strategies in Volumetric Medical Images. **Journal of Medical Imaging**, 3(1), 015501-13.
- Wolfe, J. M., Evans, K. K., Drew, T., **Aizenman**, A., **Josephs**, E. (2016). How do radiologists use the human search engine? **Radiation Protection Dosimetry**, 169(1-4), 24-31.
- Drew, T., **Aizenman**, A. M., Thompson, M., Kovacs, M. D., Trambert, M., Reicher, Wolfe, J. M. (2016). Image toggling saves time in mammography. **Journal of Medical Imaging**, 3(1), 0110031-0110037.
- Drew, T., **Boettcher**, S. Wolfe, J. M. (2016). Searching while loaded: Visual working memory does not interfere with hybrid search efficiency but hybrid search uses working memory capacity. **Psychonomic Bulletin & Review**, 23(1), 201-212.
- Josephs**, E., Drew, T., Wolfe, J. M. (2016). Shuffling your way out of change blindness. **Psychonomic Bulletin & Review**, 23(1), 193-200.
- Wolfe, J. M., **Boettcher**, S. E. P., **Josephs**, E. L., **Cunningham**, C. A., Drew, T. (2015) You look familiar, but I don't care: Target detection in hybrid visual and memory search is not based on familiarity. **Journal of Experimental Psychology: Human Perception and Performance**, 41(6), 1576-1587.
- Drew, T., **Boettcher**, S. E. P, **Sherman**, A. Wolfe, J. M. (2014). Memory search for the first target modulates the magnitude of the attentional blink. **Memory & Cognition**, 42, 1333-1344.
- Drew, T., Mance, I., Horowitz, T. S., Wolfe, J. M., Vogel, E. K. (2014). A soft handoff of attention. **Current Biology**, 24(10), 1133-1137.
- Drew, T., Wolfe, J. M. (2014). Hybrid search in the temporal domain: Evidence for rapid, serial logarithmic search through memory. **Attention, Perception & Psychophysics**, 76, 296-303.
- Drew, T., Võ, M. L. H., Wolfe, J. M. (2013). The invisible gorilla strikes again: Sustained inattentive blindness in expert observers. **Psychological Science**, 24(9), 1848-1853.
- Drew, T., Võ, M. L. H., Olwal, A., Jacobson, F., Seltzer, S. E., Wolfe, J. M. (2013). Scanner and Drillers: Characterizing expert visual search through volumetric images. **Journal of Vision**, 13(10), article 3.
- Drew, T., Horowitz, T. S., Vogel, E. K. (2013). Swapping or Dropping? Electrophysiological measures of difficulty during multiple object tracking. **Cognition**, 126, 213-223.
- Drew, T., Evans K. E., Vo, M. L. H., Jacobson, F. L., Wolfe, J. M. (2013). What can you see in a single glance and how might this guide visual search in medical images? **Radiographics**, 33(1), 263-274.

- Drew, T., **Cunningham**, C, Wolfe, J. M. (2012). When and why might a Computer Aided Detection (CAD) system interfere with visual search? An eye-tracking study. **Academic Radiology**, 19, 1260-1267.
- Ester, E., Drew, T., Klee, D., Vogel, E. K., Awh, E. (2012). Neural measures reveal a fixed item limit in subitizing. **Journal of Neuroscience**, 32(21), 7169-7177.
- Drew, T., Horowitz, T. S., Wolfe, J. M., Vogel, E. K. (2012). Neural measures of dynamic changes in attentive tracking load. **Journal of Cognitive Neuroscience**, 24(2), 440-450.
- Drew, T., Horowitz, T. S., Wolfe, J. M., Vogel, E. K. (2011). Delineating the neural signatures of tracking spatial position and working memory during attentive tracking. **Journal of Neuroscience**, 31(2), 658-668.
- Howe, P. D. W., Drew, T., Pinto, Y., Horowitz, T. S. (2011). Remapping attention in multiple object tracking. **Vision Research**, 51(5), 489-495.
- Umemoto, A., Drew, T., Ester, E. F., Awh, E (2010). A bilateral advantage for storage in visual working memory. **Cognition**, (117), 69-79.
- Drew*, T., McCollough*, A. W., Horowitz, T. S., Vogel, E. K. (2009). Attentional enhancement during multiple object tracking. **Psychonomic Bulletin & Review**, 16(2), 411-417.
- Drew, T. & Vogel, E. K. (2008). Neural measures of individual differences in selecting and tracking multiple moving objects. **Journal of Neuroscience**, 28(16), 4183-4191.
- Drew, T. & Vogel, E. K. (2008). Recently Attended Masks are Less Effective. **Perception & Psychophysics**, 70(1), 96-103.
- Drew, T, McCollough, A., Vogel, E. K. (2006). Event-related potential measures of working-memory. **Clinical EEG and Neuroscience**. 37(4), 286-291.
- Drew, T. & Shapiro, K. (2006). Representational masking in the attentional blink. **Visual Cognition**, 13, 513-528.

Chapters and Commentary

- Wolfe, J. M., Drew, T., & Boettcher, S. E. (2015). Hybrid search: Picking up a thread from Schneider and Shiffrin (1977). In Raaijmakers, J. G. W., Criss, A. H., Goldstone, R. L., Nosofsky, R. M., Steyvers, M. **Cognitive Modeling in Perception and Memory: Festschrift for Richard M. Shiffrin** (63-81). New York: Psychology Press.
- Drew, T. & Vogel, E. K. (2009). The capacity of working memory. In **New Encyclopedia of Neuroscience**, L Squire, T Albright, F Bloom, F Gage & N Spitzer (Eds.)
- Aminoff, E., Baslev, D., Borroni, P., Bryan, R., Chua, E., Cloutier, J., Cross, E. S., Drew, T., Funk, C. M., Gil-da-Costa, R., Guerin, S. A., Hall, J. L., Jordan, K. E., Landau, A. N., Molnar-Szakacs, I., Montaser-Kouhsari, L., Olofsson, J. K., Quadflieg, S., Somerville, L. H., Sy, J. L., Uddin, L. Q., Yamada, Y.*

(2009). The landscape of cognitive neuroscience: Challenges, rewards, and new perspectives. In M. Gazzaniga (Ed.), **The Cognitive Neurosciences** (4th Edition), MIT Press, 1255-1292. *all authors contributed equally

Drew, T. & Vogel, E. K. (2008). The fuzziness of memory. **Scientific American: Mind Matters Online Commentary**, November.

Manuscripts in Preparation or Submission

Balaban, H., Drew, T., Luria, R. (in submission). Visual working memory can selectively reset a subset of its representations.

Vaskevich, A., Drew, T., Luria, R. (in submission). The role of distractor processing speed in the relationship between working memory capacity and filtering.

Drew, T., Boettcher, S. E., Wolfe, J. M. (in submission). Increasing number of targets decreases functional visual field in hybrid search.

Wolfe, J. M., Drew, T., Evans K. (in prep). The role of sub-second and peripheral perception. *To appear in The Handbook of Medical Image Perception and Techniques.*

Rubin, G., **Williams**, L. Drew, T. (in prep). The role of sub-second and peripheral perception. Perception of Volumetric Data *To appear in The Handbook of Medical Image Perception and Techniques.*

Teaching/ Advising Experience

Instructor: Graduate Neuropsychology; University of Utah	Spring, Fall 2015, 2016
Instructor: Brain & Behavior; University of Utah <i>In person and online classes</i>	Fall 2015
Summer Student Advisor: High School Student Projects <i>Project Success, Research Science Institute and CELEST Programs</i>	Summer 2010-2013
Instructor: Sensation and Perception; Simmons College	Spring 2011
Co-instructor: Biological Psychology; University of Oregon	Summer 2006
Teaching assistant: Cognition; University of Oregon	Fall 2008
Lab instructor: Introduction to Psychology; University of Oregon	2004-2005

Honors & Outreach

University of Utah Faculty Fellow	2017
Invited Panelist: 'Decoding the Mind' @Leonardo Museum	2015

Invited Panelist: 'SciFi Friday', sponsored by Utah Education Network	2015
Invited Panelist: 'The Brain' screening, sponsored by KUED	2015
Brigham and Women's Healthcare 'Hackathon' participant	2013
Best Poster: NIBIB 'Unconference' Meeting	2012
Cognitive area search committee member, University of Oregon	2008
Summer Institute of Cognitive Neuroscience, invited fellow	2008
Summer Institute of Cognitive Neuroscience, fellow	2007
Graduate Admissions Committee	2005-2007
Graduate School Research Award	2005,2007
Phi Beta Kappa	2002

Reviewing

Consulting Editor: Cognitive Research: Principles and Implications 2017-present

Grants: Department of Defense: Army Research Office, National Science Foundation, Israel Science Foundation, Netherlands Organisation for Scientific Research.

Journals: Attention, Perception & Psychophysics, Cognition, Cognition and Emotion, Cognitive Brain Research, Cognitive Research: Principles and Implications, Human Factors, Journal of Behavioral Decision Making, JEP: Human Perception and Performance, JEP: General, JEP: LMC, Journal of Neuroscience, Journal of Neurophysiology, Journal of Vision, Neuropsychologia, NeuroImage, Quarterly Journal of Experimental Psychology, PLOS One, Psychological Research, Psychological Science, Psychonomic Bulletin and Review, Psychophysiology, Visual Cognition.

Representative Presentations (bold=student)

Drew, T., **Williams, L.**, Aldred, B., Heilbrun, M. & Minoshima, S. (2017). "Interruptions in radiology: Is there a tradeoff between speed and accuracy?" Talk presented at Medical Image Perception Society: Houston, TX

Williams, L. & Drew, T. (2017). "Interruptions in radiology: Is there a tradeoff between speed and accuracy?" Talk presented at Medical Image Perception Society: Houston, TX.

McEntee, M. F., Drew, T., Aizenman, A. M., Carrigan, A., Ekpo, E., Wolfe, J. M. (2017). "Examining the 'gambler's fallacy' in radiology." Talk presented at Medical Image Perception Society: Houston, TX.

Hunsaker, D., Tenney, E., & Drew, T. (2017) Tracking eye movement in emotionally charged negotiations. Talk presented at International Association of Conflict Management Conference, Berlin, Germany.

Balaban, H., Drew, T., Luria, R. (2017) "Breaking the objects-to-representations correspondence in working-memory leads to a resetting process." Talk presented at American Psychological Science Annual Meeting: Boston, MA.

Ostlund, B.D., Williams, L., Conradt, E., and Drew, T. (2017). "Allocating attention to threat: Pupil dilation and fearfulness in infancy." Paper presented as part of a paper symposium at the biennial meeting of the Society for Research in Child Development: Austin, TX.

Balaban, H., Drew, T., Luria, R. (2017) "Visual working memory resetting is triggered by a loss of objects-to-representations correspondence." Talk presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Drew, T. & **Reback**, I. (2017) Low target prevalence exacerbates problems with Computer-Aided Detection (CAD) during visual search." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Williams, L. & Drew, T. (2017) "Electrophysiological Correlates of Individual Differences in Visual Search." Talk presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Gil-Gómez, B., Drew, T., Rin, D., Wolfe, J. M. (2017) "Target prevalence in a visual search task differentially modulates lure effects from visual working memory." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Alonso, D. F., **Thomas**, J., Drew, T. (2017) "Distractor Zap: Exploring the Nature of Hybrid Search Tasks Through Eye Tracking." Poster presented at Rocky Mountain Psychological Association: Salt Lake City, UT.

Reback, I. & Drew, T. (2017) "Low Target Prevalence Exacerbates Problems with Computer-Aided Detection (CAD) During Visual Search." Poster presented at Rocky Mountain Psychological Association: Salt Lake City, UT.

Williams, L. & Drew, T. (2017) "Electrophysiological Correlates of Individual Differences in Visual Search." Talk presented at Rocky Mountain Psychological Association: Salt Lake City, UT.

Drew, T. (2016) "Exploring the utility of online feedback during visual search." Talk presented at Psychonomics Annual Meeting: Boston, MA.

Cain, M. S. & Drew, T. (2016) "Cause or correlate? Exploring the effect of working memory on subsequent search misses." Talk presented at Psychonomics Annual Meeting: Boston, MA.

Williams, L. & Drew, T. (2016) "Exploring the Role of Working Memory in Visual Search: Repeating Targets Does Not Diminish the Relationship Between Search and Working Memory Capacity." Poster presented at Psychonomics Annual Meeting: Boston, MA.

Alonso, D. F., **Jones**, C., **Thomas**, J., Drew, T. (2016) "Now you track me, now you don't: Neural measures of tracking through object occlusions". Poster presented at Utah Neuroscience Snowbird Symposium.

Aldred, B, Heilbrun, M., Wiggins, R. H., Minoshima, S., Drew, T. (2016) "The cost of distraction: Quantifying the effects of telephone interruptions on the diagnostic radiologist using mobile eye tracking." Scientific Presentation to be presented at Radiological Society of North America: Chicago, IL.

Aizenman, A. M., Drew, T., Georgian-Smith, D., Wolfe, J. M. (2016) "Patterns of eye movements in breast tomosynthesis and full field digital mammography: an eye-tracking study." Scientific Presentation to be presented at Radiological Society of North America: Chicago, IL.

Wen, G., Aizenman, A., Drew, T., Wolfe, J.M., Markey, M.K., and Haygood, T.M. (2016) "Computational Assessment of Visual Search Strategies in Volumetric Medical Images." Poster presented at Workshop on Natural Environments Tasks and Intelligence: Austin, TX.

Drew, T., Aldred, B, Heilbrun, M., Minoshima, S. (2016) "Quantifying the costs of telephone interruptions during diagnostic radiology: A mobile eye-tracking study." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Williams, L. & Drew., T. (2016) "Lost in Space: The Cost of Interruption During Search Through Volumetric Medical Images." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Gil-Gómez, B., Drew, T., Rin, D., Wolfe, J. M.(2016) "Paradoxical speeding of visual search by the inclusion of WM and LTM lures." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Boettcher, S.E.P., Drew, T., Wolfe, J.M. (2015). "Partitioning hybrid memory and visual search: Exploring the ability to search for the right target in the right place." Poster Presented at 7th Bernstein Sparks Workshop: Active Perceptual Memory: Berlin, Germany.

Drew, T. (2015). "An electrophysiological measure of tracking through occlusion." Invited Talk presented at Society for Psychophysiological Research Annual Meeting: Seattle, WA.

Drew, T. (2015). "Searching for Feature-Based Surround Suppression in Inattentive Blindness." Talk presented at Cognitive science meeting for interdisciplinary learning (CSAIL): Hood River, OR.

Drew, T., Aizenman, A. M., Thompson, M., Kovacs, M. D., Trambert, M., Reicher, Wolfe, J. M. (2015). "Image shuffling saves time in mammography." Talk presented at Medical Image Perception Society: Ghent, Belgium.

Drew, T. (2015). "Searching for Feature-Based Surround Suppression in Inattentive Blindness." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Wolfe, J. M., Cain M. S., Ehinger, K. A., Drew, T (2015) Guided Search 5.0: Meeting the challenge of hybrid search and multiple-target foraging." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Gil-Gómez, B., Drew, T., Rin, D., Wolfe, J. M.(2015). "Active working memory tasks interfere with inefficient search but NOT with efficient search, guided by bottom-up salience." Poster presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Drew, T., Wolfe, J. M., Birdwell, R., Georgia-Smith, D. (2014). "Comparing search in breast tomosynthesis and 2D mammograms: an eye-tracking study." Talk presented at American Roentgen Ray Society : San Diego, CA.

Drew, T. Wolfe, J. M. (2014). "Shuffling your way out of change blindness." Talk presented at Vision Sciences Society Annual Meeting: St. Petersburg, FL.

Wolfe, J. M., Drew, T., Vo, M. L. H. (2014). "You don't know where your eyes have been and that could be problem." Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Aizenman, A., Drew, T., Georgia-Smith, D., Wolfe, J. M., (2014). "Comparing search strategy in breast tomosynthesis and 2D mammogram: an eye tracking study." Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Gil-Gómez, B., Drew, T., Quirós, M., Wolfe, J. M. (2014). "Updating for free? Span and Updating tasks modulate Visual Search in a similar manner." Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T., Wolfe, J. M. (2013). "Sequential versus simultaneous Computer Aided Detection (CAD): How do different forms of CAD influence eye movements and behavior?" Talk presented at Medical Image Perception Society: Washington DC.

Wolfe, J. M., Olwal, A., Drew, T. (2013). "Understanding and attempting to improve search in volumetric space: how do radiologists search chest CT scans?" Talk presented at Medical Image Perception Society: Washington DC.

Drew, T., Wolfe, J. M. (2013) "Searching for many targets: What can eye-movements tell us about hybrid visual and memory search?" Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Boettcher, S., Drew, T., Sherman, A., Wolfe, J. M. (2013). "Hybrid search meets the Attentional Blink: How does searching through memory influence blink magnitude?" Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T., Vo, M., Wolfe, J. M. (2012). "The invisible gorilla strikes again: Sustained inattentional blindness in expert observers." Poster presented at OPAM Conference: Minneapolis, MN.

Drew, T., Sherman, A., Wolfe, J. M. (2012). "Temporal hybrid search: Searching through time rather than space." Poster presented at Psychonomics Conference: Minneapolis, MN.

Drew, T., Sherman, A., Wolfe, J. M. (2012). "How does memory search interact with the attentional blink?" Talk presented at European Society for Visual Perception: Sardinia, Italy.

Drew, T. Wolfe, J. M. (2012). "Hybrid search in the temporal domain: Monitoring an RSVP stream for multiple targets held in memory" Talk presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T., Vo, M., Seltzer, S., Jacobson, F. L., Wolfe, J. M. (2011). "Searching in three dimensions: How do radiologists search through volumetric space?" Electronic poster presented at Radiological Society of North America: Chicago, IL.

Wolfe, J. M., Drew, T., Vo, M., Evans, K., Jacobson, F. L., Ryan, J (2011). "What can you see in a single glance and how does this guide search in radiology?" Educational exhibit presented at Radiological Society of North America: Chicago, IL.

Drew, T., Cunningham, C., Wolfe, J. M. (2011). "Helping computer aided detection (CAD) algorithms help you: increasing the behavioral benefit of a given CAD signal." Poster presented at European Society for Visual Perception: Toulouse, France.

Drew, T., Cunningham, C., Wolfe, J. M. (2011). "When and why does computer aided detection (CAD) interfere with visual search?" Poster presented at Medical Imaging Perception Society Meeting: Dublin, Ireland.

Drew, T., Cunningham, C., Wolfe, J. M. (2011). "Why don't Computer Aided Detection (CAD) algorithms help experts as much as they should?" Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Cunningham, C., Drew, T., Wolfe, J. M. (2011). "When and why does Computer Aided Detection (CAD) interfere with visual search?" Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T., Horowitz, T., Wolfe, J. M., Vogel, E. K. (2010). "Neural measures of interhemispheric information transfer during attentive tracking." Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Vogel, E. K., McCollough, A., Drew, T., Horowitz, T. (2010). "Probing the spatial distribution of attention to targets and distractors in multiple object tracking." Talk presented at Vision Sciences Society Annual Meeting: Naples, FL.

Lester, B., Drew, T., Vogel, E. K. (2010). "Electrophysiological evidence of interhemispheric resource recruitment during visual working memory." Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T., Horowitz, T. S., Wolfe, J. M., Vogel, E. K. (2009). "Attention to objects and motion during multiple object tracking." Talk presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T. & Vogel, E. K. (2009). "Neural measures of selecting multiple objects." Poster presented at Cognitive Neuroscience Society Annual Meeting: San Francisco, CA.

Drew, T., Horowitz, T. S., Vogel, E. K. (2008). "Attentional enhancement during multiple object tracking" Talk presented at Cognitive science meeting for interdisciplinary learning (CSAIL): Hood River, OR.

Drew, T., Horowitz, T. S., Wolfe, J. M., Vogel, E. K. (2008). "Online measurement of dynamic changes in tracking load." Poster presented at Vision Sciences Society Annual Meeting: Naples, FL.

Drew, T., Horowitz, T. S., Wolfe, J. M., Vogel, E. K. (2008). Online measurement of dynamic changes in tracking load. Poster presented at Cognitive Neuroscience Society Annual Meeting: San Francisco, CA.

Drew, T. & Vogel, E. K. (2007). "Neural measures of voluntary and involuntary changes in tracking load." Talk presented at Cognitive science meeting for interdisciplinary learning (CSAIL): Hood River, OR.

Drew, T. & Vogel, E. K. (2007). "An electrophysiological measure of tracking through occlusion." Talk presented at Vision Sciences Society Annual Meeting: Sarasota, FL.

6/10/17

Drew, T. & Vogel, E. K. (2006). "An electrophysiological measure of multiple object tracking: correlations with visual working memory." Talk presented at Cognitive science meeting for interdisciplinary learning (CSAIL): Hood River, OR.

Drew, T. & Vogel, E. K. (2006). "An electrophysiological measure of multiple object tracking." Poster presented at Vision Sciences Society Annual Meeting: Sarasota, FL.

Drew, T. & Vogel, E. K. (2006). "Repeat mask reduction: demonstration of a novel effect." Poster presented at Cognitive Neuroscience Society Annual Meeting: San Francisco, CA.

Drew, T. & Vogel, E. K. (2005). "Repeated masks are less effective." Poster presented at Cognitive science meeting for interdisciplinary learning (CSAIL): Hood River, OR.

Drew, T. & Vogel, E. K. (2005). "Repeated masks are less effective." Poster presented at Vision Sciences Society Annual Meeting: Sarasota, FL.

Shapiro, K. & Drew, T. (2004). "Conceptual masking in the attentional blink paradigm." Poster presented at Vision Sciences Society Annual Meeting: Sarasota, FL.

Drew, T. & Gordon, P. C. (2002). "Unconscious perception and the attentional blink." Poster presented at the North Carolina Cognition Group annual meeting: Raleigh, NC.

Mentoring

Current Lab Members:

Lauren Williams (Graduate student) - NSF GRFP recipient

Grace Nicora (Incoming Graduate student)