

Publications

Peer-reviewed

Cohen, J.Y., R.P. Heitz, J.D. Schall & G.F. Woodman (2008) Timing of target selection between visual cortex and frontal eye field. (In preparation).

Cohen, J.Y., R.P. Heitz, G.F. Woodman & J.D. Schall (2008) Neural basis of the set-size effect in the frontal eye field: Timing of attention during visual search. (In preparation).

Cohen, J.Y., P. Pouget, R.P. Heitz, G.F. Woodman & J.D. Schall (2008) Biophysical support for functionally distinct cell types in the frontal eye field. *Journal of Neurophysiology* (submitted).

Cohen, J.Y., P. Pouget, G.F. Woodman, C.R. Subraveti, J.D. Schall & A.F. Rossi (2007) Difficulty of visual search modulates neuronal interactions and response variability in the frontal eye field. *Journal of Neurophysiology* 98: 2580-2587.

Reviews, commentaries and books

Cohen, Y. & **J.Y. Cohen** (2008) *Statistics and Data with R*. Wiley and Sons, London. Publication date: December, 2008.

Pouget, P., M.J. Nelson, **J.Y. Cohen** & R.P. Heitz (2007) Pulse-pattern sensitivity in the frontal eye field of the macaque monkey. *Journal of Neuroscience* 27: 11780-11781.

Abstracts

Cohen, J.Y., R.P. Heitz, G.F. Woodman & J.D. Schall (2008) Timing of target selection between visual cortex and frontal eye field. *Society for Neuroscience Abstract* 34: 616.7.

Heitz, R.P., **J.Y. Cohen**, G.F. Woodman & J.D. Schall (2008) The effects of set size on neural selection time in frontal eye field. *Society for Neuroscience Abstract* 34: 855.12.

Crowder, E.A., J. Haitas, **J.Y. Cohen**, R.P. Heitz, K.G. Thompson, S.C. Rao & J.D. Schall (2008) Analysis of spike synchrony among macaque frontal eye field neurons during visual search. *Society for Neuroscience Abstract* 34: 855.9.

Abstracts (continued)

Ciarleglio, C.M., J.C. Axley, B.R. Strauss, **J.Y. Cohen**, K.L. Gamble & D.G. McMahon (2008) Photoperiodic input during postnatal development influences organization of the circadian clock. *Society for Neuroscience Abstract* 34: 320.7.

Palmeri, T.J., B. Purcell, **J.Y. Cohen**, R.P. Heitz, J.D. Schall & G.D. Logan (2008) Stochastic accumulator model of saccade response time and neurophysiology. *Psychonomics* 49: 174.

Cohen, J.Y., R.P. Heitz, J.D. Schall & G.F. Woodman (2008) Timing of target selection between visual cortex and frontal eye field. *Vision Sciences Society* 8: 391.

Heitz, R.P., G.F. Woodman, P. Pouget, **J.Y. Cohen**, J.D. Schall (2008) Effects of luminance contrast on visual responses in frontal eye field. *Vision Sciences Society* 8: 295.

Purcell, B.A., R.P. Heitz, **J.Y. Cohen**, G.D. Logan, J.D. Schall & T.J. Palmeri (2008) Modeling interactions between visually-responsive and movement-related neurons in FEF during saccade visual search. *Vision Sciences Society* 8: 1080.

Cohen, J.Y., P. Pouget, G.F. Woodman, C. Rao, J.D. Schall & A.F. Rossi (2007) Visual search difficulty modulates the variability of spike timing in the frontal eye field. *Society for Neuroscience Abstract* 33: 717.3.

Cohen, J.Y., P. Pouget, G.F. Woodman, C. Rao, J.D. Schall & A.F. Rossi (2006) Multivariate analysis of frontal eye field activity during visual search. *Society for Neuroscience Abstract* 32: 548.14.

Cohen, J.Y., P. Pouget, C. Rao, J.D. Schall & A.F. Rossi (2006) Multivariate analysis of frontal eye field activity during visual search. *Cosyme Abstract* 3: 128.

Activities

Committees and service

2008	President, Neuroscience Graduate Student Organization, Vanderbilt University
2007	Academic Coordinator, Neuroscience Graduate Student Organization, Vanderbilt University
2005-present	Brain science fair for kids, Adventure Science Center, Nashville, Tennessee

Activities (continued)*Memberships*

2005-present Society for Neuroscience
2008-present Vision Sciences Society

Talks and meetings

June, 2008 *Computational Neuroscience: Vision* Course at Cold Spring Harbor Labs, New York
March, 2008 Department of Psychology Neuroscience Seminar, Vanderbilt University
October, 2007 Neuroscience Graduate Program Research Forum, Vanderbilt University
May, 2007 Neuroscience Graduate Program Research Forum, Vanderbilt University
November, 2006 Neuroscience Graduate Program Research Forum, Vanderbilt University
December, 2005 Department of Psychology Neuroscience Seminar, Vanderbilt University
September, 2005 Neuroscience Graduate Program Research Forum, Vanderbilt University
May, 2005 Department of Biostatistics Seminar, Vanderbilt University
August, 2002 Integrative Graduate Education and Research Traineeship in Computational Neuroscience Seminar, University of Minnesota