

DAVIS GLASSER

CURRICULUM VITAE

Contact

Department of Psychology
New York University
6 Washington Place, Room 550
New York, NY 10003

Phone: 212.998.7640
davis.glasser@nyu.edu
www.cns.nyu.edu/~glasser

Education

2013	University of Rochester Advisor: Dujé Tadin	PhD, Brain and Cognitive Sciences
2012	University of Rochester	MA, Brain and Cognitive Sciences
2007	University of Rochester	BS, Neuroscience
2003	Math, Science, Computer Science Magnet Program Montgomery Blair High School, Silver Spring, MD	

Academic Positions

2013-present	Postdoctoral Fellow Center for Neural Science & Department of Psychology New York University
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Research Experience

2009-2013	Graduate Student (Advisor: Dujé Tadin) Tadin Lab Center for Visual Science University of Rochester, Rochester, NY.
2007-2009	Research Assistant (Supervisor: Dujé Tadin) Tadin Lab Center for Visual Science University of Rochester, Rochester, NY.
2006-2007	Research Assistant (Supervisor: Daphne Bavelier) Rochester Center for Brain Imaging University of Rochester, Rochester, NY.
2003-2005	Summer Research Fellow (Supervisor: Leonardo Cohen) Human Cortical Physiology Section, NINDS, NIH, Bethesda, MD.
2002	Summer Research Fellow (Supervisor: Henry McFarland) Neuroimmunology Branch, NINDS, NIH, Bethesda, MD.

Publications

Journal Articles

- Glasser, D. M.** & Tadin, D. (*in revision*). Independent oculomotor and perceptual processing of moving stimuli.
- Yang, E., Tadin, D., **Glasser, D.M.**, Hong, S.W., Blake, R., & Park, S. (2013). Visual context processing in bipolar disorder: a comparison with schizophrenia. *Frontiers in Psychology*, 4:569.
- Yang, E., Tadin, D., **Glasser, D.M.**, Hong, S.-W., Blake, R., & Park, S. (2013). Visual context processing in schizophrenia. *Clinical Psychological Science*, 1: 5-15.
- Glasser, D.M.**, Tsui, J.M.G., Pack, C.C., & Tadin, D. (2011). Perceptual and neural consequences of rapid motion adaptation. *Proceedings of the National Academy of Sciences*. 108(45), E1080-E1088.
- Glasser, D.M.** & Tadin, D. (2011). Increasing stimulus size impairs first- but not second-order motion perception. *Journal of Vision*, 11(13): 22, 1-8.
- Tadin, D., Lappin, J.S., Blake, R., & **Glasser, D.M.** (2010). High temporal precision for perceiving event offsets. *Vision Research*, 50(19), 1966-71.
- Glasser, D.M.** & Tadin, D. (2010). Low-level mechanisms do not explain paradoxical motion percepts. *Journal of Vision*, 10(4), 20, 1-9.
- Celnik, P., Webster, B., **Glasser, D.M.**, & Cohen, L.G. (2008). Effects of action observation on physical training after stroke. *Stroke*, 39(6), 1814-20.

Selected Acknowledgements

- Amedi, A., Floel, A., Knecht, S., Zohary, E., & Cohen, L.G. (2004). Transcranial magnetic stimulation of the occipital pole interferes with verbal processing in blind subjects. *Nature Neuroscience*, 7, 1266–1270.
- Floel, A., Nagorsen, U., Werhahn, K.J., Ravindran, S., Birbaumer, N., Knecht, S., & Cohen, L.G. (2004). Influence of somatosensory input on motor function in patients with chronic stroke. *Annals of Neurology*, 56(2), 206-212.

Talks

- Glasser, D.M.** (2013). Perceptual and neural consequences of rapid motion adaptation. Rochester Neuroscience Retreat, Rochester, NY. August 2013.
- Glasser, D.M.** (2013). Adaptation, modularity, and mechanisms of suppression in the motion system. Ph.D. Dissertation Defense, University of Rochester, Rochester, NY. August 2013.

Glasser, D.M. (2013). Adaptation, modularity, and mechanisms of suppression in the motion system. Center for Visual Science research talk, University of Rochester, Rochester, NY. February 2013.

Glasser, D.M. (2012). The oculomotor system can discriminate perceptually suppressed motion. Brain and Cognitive Sciences lunch talk, University of Rochester, Rochester, NY. April 2012.

Glasser, D.M. (2011). The rapidly generated motion aftereffect: psychophysics and physiology. Invited SPIE lunch talk, University of Rochester, Rochester, NY. July 2011.

Glasser, D.M. (2010). Perceptual and neural consequences of rapid motion adaptation. Brain and Cognitive Sciences lunch talk, University of Rochester, Rochester, NY. December 2010.

Conference Presentations

Glasser, D.M. & Tadin, D. (2013). Reliable non-veridical perception of brief moving stimuli [Abstract]. *Journal of Vision*, 13(9): 764; doi: 10.1167/13.9.764. Talk presented at Vision Sciences Society.

Tadin, D., **Glasser, D.M.**, Tsui, J. & Pack, C.C. (2012) Perceptual and neural consequences of rapid motion adaptation. *I-Perception*, 3(9): 593. Talk presented at ACVP Symposium.

Glasser, D.M. & Tadin, D. (2012). Eye movements can discriminate perceptually invisible motion. Poster presented at the 28th CVS Symposium.

Glasser, D.M. & Tadin, D. (2012). The oculomotor system can discriminate perceptually suppressed motion: An oculometric analysis. [Abstract]. *Journal of Vision*, 12(9): 994; doi:10.1167/12.9.994. Poster presented at Vision Sciences Society.

Glasser, D.M. & Tadin, D. (2011). Changes in relative dominance of first- and second-order motion signals can be explained by differences in spatial tuning. *Perception*, 40 ECVF Abstract Supplement, 132. Poster presented at the European Conference on Visual Perception

Glasser, D.M. & Tadin, D. (2011). Asymmetric effect of spatial suppression on first- and second-order motion perception. [Abstract]. *Journal of Vision*, 11(11): 721; doi:10.1167/11.11.721. Poster presented at Vision Sciences Society.

Glasser, D.M. & Tadin, D. (2010). Low-level mechanisms do not explain paradoxical motion percepts [Abstract]. *Journal of Vision*, 10(7), 83, doi: 10.1167/10.7.837 Poster presented at Vision Sciences Society.

Glasser, D. M., Tsui, J., Dieter, K. C., Pack, C. C., & Tadin, D. (2009). Psychophysics and neurophysiology of the rapidly generated MAE [Abstract]. *Journal of Vision*, 9(8):676, 676a, doi:10.1167/9.8.676. Poster presented at Vision Sciences Society.

Yang, E., **Glasser, D.**, Hong, S.-W., Blake, R., Tadin, D., & Park, S. (2009). Visual illusions involving contextual modulation are weak in schizophrenia [Abstract]. *Journal of Vision*, 9(8):1029, 1029a, doi:10.1167/9.8.1029. Poster Presented at Vision Sciences Society.

Glasser, D. M., & Tadin, D. (2008). Lower temporal limit for generation of the motion after-effect [Abstract]. *Journal of Vision*, 8(17):56, 56a, doi:10.1167/8.17.56. Poster presented at OSA Fall Vision Meeting.

Tadin, D. & **Glasser, D.M.** (2008) Rapid generation of the motion after-effect by sub-threshold adapting stimuli [Abstract]. *Journal of Vision*, 8(6):387, 387a. Talk presented at Vision Sciences Society.

Teaching

Guest Lectures

Fall 2012	BCS 111: Foundations of Cognitive Science (undergraduate) Topic: Vision
Summer 2012	BCS 111: Foundations of Cognitive Science (undergraduate) Topic: Vision
Fall 2011	BCS 111: Foundations of Cognitive Science (undergraduate) Topic: Vision
Spring 2011	BCS 511: Behavioral Methods in Cognitive Science (graduate) Topic: Psychophysical Methods BCS 265: Language and the Brain (undergraduate) Topic: Transcranial Magnetic Stimulation BCS 112: Cognitive Psychology (undergraduate) Topic: Motion and Depth

Teaching Assistant

Fall 2012	BCS 151: Perception and Action Instructor: Dujie Tadin
Fall 2011	BCS 151: Perception and Action Instructor: Dujie Tadin
Spring 2011	BCS 112: Cognitive Psychology Instructors: Michael Tanenhaus & Kathleen Carbary
Spring 2010	BCS 112: Cognitive Psychology Instructor: Kathleen Carbary

Professional Memberships and Service

Journal Reviewing

Journal of Vision (Ad Hoc)
Vision Research (Ad Hoc)

Memberships (Past and Present)

Vision Sciences Society
Society for Neuroscience
Association for the Scientific Study of Consciousness

Research

Ongoing Projects

Rapid generation of the motion aftereffect
Mechanisms of psychophysical spatial suppression
Comprehensive visual/attentional psychophysics battery
TMS explorations of center/surround interactions in visual motion processing
Perceptual learning of figure-ground segregation
Effects of attention on motion perception

Experimental Techniques

Extensive experience: visual psychophysics, TMS, eyetracking
Moderate experience: fMRI, tDCS
Familiarity: DTI, retinotopic mapping, PET, accelerometry, EMG

Computer Programming

Extensive experience: MATLAB, Psychtoolbox
Moderate experience: C++

Software

Moderate experience: FSL, SPM, AFNI, Brainsight Frameless
Familiarity: BrainVoyager

Last Updated: 11/13/2013