

MARISA CARRASCO
Curriculum Vitae

CONTACT INFORMATION

Department of Psychology New York University 6 Washington Pl. NY, NY 10003 Office: (212) 998-8328 lab : (212) 998-3894 fax: (212) 995-4349 email: marisa.carrasco@nyu.edu	1 Washington Square Village Penthouse H NY, NY 10012 (212) 677-4559 Place of birth: Mexico City U.S. Permanent Resident - 10/1989 Married: James D. Fernández Children: Andrés (1992); Alejandro (1995)
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EDUCATION

1989	Ph.D. Psychology, Princeton University Specialization: Cognition & Perception
1986	M.A. Psychology, Princeton University Specialization: Cognition & Perception
1984	Licentiate in Psychology, Major: Human Experimental Psychology National University of Mexico (UNAM), Mexico City

PROFESSIONAL EXPERIENCE

2007 –	Collegiate Professor, College of Arts and Science, New York University
2002 –	Professor of Psychology and Neural Science, New York University
2001 – 2007	Chair of Psychology, New York University
2000 – 2001	Associate Chair of Psychology, New York University
1995 – 2002	Associate Professor of Psychology and Neural Science, New York University
1989 – 1995	Assistant Professor, Psychology, Wesleyan University
1988 – 1989	Instructor, Psychology, Wesleyan University
1984 – 1987	Graduate Teaching Assistant, Princeton University Perception and Introduction to Psychology
1982 – 1983	Laboratory Instructor, Human Information Processing National University of Mexico (UNAM)
1982 – 1984	Research Assistant, Visual Cognition National University of Mexico (UNAM)
1979 – 1980	Supervisor, Preschool Evaluation Project, Public Education Ministry and National University of Mexico (UNAM)

RESEARCH SUPPORT, HONORS & AWARDS

American Psychological Society, Fellow (2007).

NIH Grant (2006-2010). National Eye Institute. "Effects of Covert attention on early visual processing"

Binational Science Foundation (US-Israel, 2002-2005). "Adaptability of attentional mechanisms"

NSF Grant (2000-2003). "Effects of covert attention on early visual processing"

Guggenheim Fellow (1999-2000).

James McKeen Cattell Sabbatical Fellow (1999-2000).

NYU Curricular Development Grant (2000-2001). "Workshop on Cognitive Neural Imaging: fMRI technology"

NYU Challenge Fund (1999-2000). "Psychophysical and functional magnetic resonance imaging (fMRI) studies of visual attention"

NSF National Young Investigator Award (1993-1998; matching funds 1994-1999), "to scientists displaying excellent research and excellent teaching as well as potential for continued professional growth as a scientist and academic leader."

The NYU Margaret and Herman Sokol Science Research Fund (1998-1999).

The NYU Horace W. Goldsmith Neuroscience Research Fund (1997-1999).

American Fellowship from the American Association of University Women (AAUW) Educational Foundation (1991-1992).

Wesleyan University Project Grant (annually, 1989-1995).

Hughes Student-Faculty Fellowship in Neuroscience (annually, 1990-1993).

Ford Foundation Student-Faculty Fellowship (Summers 1989-1993).

Fellowship to attend the First McDonnell Summer Institute in Cognitive Neuroscience (1988), Harvard University, MA.

Porter Ogden Jacobus Honoric Fellowship, The Graduate School of Princeton University (1987-1988) conferred "to that student who has displayed the highest scholarly excellence."

National University of Mexico (UNAM) International Graduate Fellowship (1985-1987).

Merit Fellowship, Graduate School of Princeton University (1984-1986).

Award for distinguished first year graduate students, Princeton University (1984-1985).

Highest Honors for Licentiate Thesis. Psychology, National University of Mexico (June 1984).

PROFESSIONAL AFFILIATIONS

American Association for the Advancement of Science (AAAS)
American Association of University Women (AAUW)
American Psychological Society (APS)
Association for Research in Vision & Ophthalmology (ARVO)
Cognitive Neuroscience Society (CNS)
Psychonomic Society
Sigma Xi Research Society
Society for Neuroscience (SfN)
Vision Sciences (VSS)

JOURNAL PUBLICATIONS [* undergraduate; # graduate students; ^postdoctoral fellow]

Carrasco, M., Eckstein, M., Verghese, P., Boynton, G. & True, S. (2009). Visual attention: Neurophysiology, Psychophysics and Cognitive Neuroscience. (Editorial for Special Issue on Visual Attention, Special Issue Editor). *Vision Research*, 49(10): 1033-1036.

Ling, S. #, Liu, T. ^ & **Carrasco, M.** (2009). How spatial and feature based attention affect the gain and tuning of population responses. *Vision Research*, 49(10): 1194-1204.

Pestilli, F. #, Ling, S. # & **Carrasco, M.** (2009). A population-coding model of attention's influence on contrast response: estimating neural effects from psychophysical. *Vision Research*, 40(10), 1144-1153.

Montaser-Kouhsari, L. # & Carrasco, M. (in press). Perceptual asymmetries are preserved in short-term memory tasks. *Attention, Perception & Psychophysics*.

Fuller, S. # & **Carrasco, M.** (2009). Perceptual consequences of visual performance fields: The case of the line motion illusion. *Journal of Vision*, 9(4): 13,1-17.

Fuller, S. # Park, Y. * & **Carrasco, M.** (2009). Cue contrast modulates the effects of exogenous attention on appearance, *Vision Research*, 49: 1825-1837.

Giordano, A.M. #, McElree, B. & Carrasco, M. (2009). On the automaticity and flexibility of covert attention: A speed-accuracy trade-off analysis. *Journal of Vision*, 9 (3):30, 1–10.

Liu, T., ^ Abrams, J.#. & **Carrasco, M.** (2009). Voluntary attention enhances contrast appearance. *Psychological Science*. 20(3): 354-362.

Montagna, B. #, Pestilli, F. # & **Carrasco, M.** (2009). Attention trades off spatial acuity. *Vision Research*, 49, 735-745.

Carmel, D.^ & **Carrasco, M.** (2008). Preview: Perceptual learning and dynamic changes in primary visual cortex. *Neuron*, 57, 1-3.

- Yeshurun, Y., **Carrasco, M.** & Maloney, L. (2008). Bias and sensitivity in two-interval forced choice procedures: Tests of the difference model. *Vision Research*, 48 (17): 1837-1851.
- Carrasco, M.**, Fuller, S.,[#] & Ling, S. [#] (2008). Transient attention does increase perceived contrast of suprathreshold stimuli: A reply to Prinzmetal, Long and Leonhardt (2008). *Perception & Psychophysics* 70(7): 1151-1164.
- Yeshurun, Y., Montagna, B. [#] & **Carrasco, M.** (2008). On the flexibility of sustained attention and its effects on a texture segmentation task. *Vision Research*, 48 (1): 78-93.
- Fuller, S.,[#] Rodriguez, R.* & **Carrasco, M.** (2008). Apparent contrast and the vertical meridian asymmetry: visual and attentional factors. *Journal of Vision*, 8 (1): 16, 1–16, <http://journalofvision.org/8/1/16/>, doi:10.1167/8.1.16.
- Yeshurun, Y. & **Carrasco, M.** (2008). The effects of transient attention on spatial resolution and the size of the attentional cue. *Perception & Psychophysics*, 70 (1): 104-113.
- Liu, T.,[^] Larsson, J. & **Carrasco, M.** (2007). Feature-based attention modulates orientation-selective responses in human visual cortex. *Neuron*, 55, 313-323.
- Pestilli, F. [#] & **Carrasco, M.** (2007). How do attention and adaptation affect contrast sensitivity? *Journal of Vision*, 7 (7), 1-12.
- Ling, S. [#] & **Carrasco, M.** (2007). Transient covert attention does alter appearance: A reply to Schneider (2006) *Perception & Psychophysics*, 69, 1051-1058.
- Liu, T.,[^] Stevens, S.T. [#], & **Carrasco, M.** (2007). Comparing the time course and efficacy of spatial and feature-based attention. *Vision Research*, 47, 108-113.
- Ling, S.[#], & **Carrasco, M.** (2006). When sustained attention impairs perception. *Nature Neuroscience*, 9, 1243-1245.
- Liu, T.,[^] Heeger, D.J., & **Carrasco, M.** (2006). Neural correlates of the visual vertical meridian Asymmetry. *Journal of Vision*, 6(11), 1294-1306, <http://journalofvision.org/6/11/12/>.
- Carrasco, M.**, Loula, F.,[^] & Ho, Y.X.[#] (2006). How attention enhances spatial resolution: Evidence from selective adaptation to spatial frequency. *Perception & Psychophysics*, 68, 1004-1012.
- Liu, T.,[^] Fuller, S.[#], & **Carrasco, M.** (2006). Attention alters the appearance of motion coherence. *Psychonomic Bulletin & Review*, 13 (5).
- Fuller, S.[#] & **Carrasco, M.** (2006). Exogeneous attention and color perception: Performance and appearance of saturation and hue. *Vision Research*, 46, 4032-4047.
- Montagna, B.[#], & **Carrasco, M.** (2006). Transient covert attention and the perceived rate of flicker. *Journal of Vision*, 6, 955-965, <http://journalofvision.org/6/9/8/>, doi:10.1167/6.9.8.
- Phelps, E.A., Ling, S. [#], & **Carrasco, M.** (2006). Emotion facilitates perception and potentiates the perceptual benefit of attention. *Psychological Science*, 17, 292-299.

- Carrasco, M.**, Giordano, A.M.[#], & McElree, B. (2006). Attention speeds processing across eccentricity: feature and conjunction searches. *Vision Research*, *46*, 2028-2040.
- Ballesteros, S., Reales, J.M., Garcia, E., & **Carrasco, M.** (2006) Selective attention affects implicit and explicit memory for familiar pictures at different delay conditions. *Psicothema*, *18*, 88-99.
- Ling, S.[#] & **Carrasco, M.** (2006). Sustained and transient covert attention enhance the signal via different contrast response functions. *Vision Research*, *46*, 1210-1220.
- Liu, T.[#], Pestilli, F.[#], & **Carrasco, M.** (2005). Transient attention enhances performance and fMRI response in human visual cortex. *Neuron*, *45*, 469-477.
- Gobell, J.[#] & **Carrasco, M.** (2005). Attention alters the appearance of spatial frequency and gap size. *Psychological Science*, *16*, 644-651.
- Pestilli, F.[#] & **Carrasco, M.** (2005) Contrast sensitivity is enhanced at cued locations and impaired at uncued locations. *Vision Research*, *45*, 1867-1875.
- Carrasco, M.**, Ling, S.[#], & Read, S.* (2004). Attention alters appearance. *Nature Neuroscience*, *7*, 308-313.
- Cameron, E.L., Tai, J.C.,[^] Eckstein, M.P., & **Carrasco, M.** (2004). Signal detection theory applied to three visual search tasks: Identification, Yes/No detection and localization. *Spatial Vision*, *17*, 295-325.
- Talgar, C.P.[#], Pelli, D., & **Carrasco, M.** (2004). Covert attention enhances letter identification without affecting channel tuning. *Journal of Vision*, *4*, 22-31.
- Carrasco, M.**, Giordano, A.M.[#], & McElree, B. (2004). Temporal performance fields: Visual and attentional factors. *Vision Research*, *44*, 1351-1365.
- Baldassi, S., Burr, D., **Carrasco, M.**, Eckstein, M., & Verghese, P. (2004). Visual attention (Editorial for Special Issue on Visual Attention). *Vision Research*, *44*, 1189-1191.
- Carrasco, M.**, McElree, B., Denisova, K.* & Giordano, A.M.[#] (2003). Speed of visual processing increases with eccentricity. *Nature Neuroscience*, *6*, 669-670.
- Carrasco, M.**, Williams, P.[#], & Yeshurun, Y. (2002). Covert attention increases spatial resolution with or without masking: Support for signal enhancement. *Journal of Vision*, *2*, 467-479, <http://journalofvision.org/2/6/4/>, DOI 10.1167/2.6.4.
- Talgar, C.P.[#] & **Carrasco, M.** (2002). Vertical meridian asymmetry in spatial resolution: Visual and attentional factors. *Psychonomic Bulletin Review*, *9*, 714-722.
- Cameron E.L.,[^] Tai, J., & **Carrasco, M.** (2002). Effects of covert attention on the psychometric function of contrast sensitivity. *Vision Research*, *42*, 949-967.
- Carrasco, M.**, Penpeci-Talgar, C.[#], & Cameron, E.L.[^] (2001). Characterizing visual performance fields: Effects of transient covert attention, spatial frequency, eccentricity, task and set size. *Spatial Vision*, *15*, 61-75.
- Carrasco, M.** & McElree, B. (2001). Covert attention speeds the accrual of visual information. *Proceedings of the National Academy of Science*, *98*, 5363-5367.

- Yeshurun, Y.[#], & Carrasco, M. (2000). The locus of attentional effects in texture segmentation. *Nature Neuroscience*, 3, 622-627.
- Carrasco, M., Penpeci-Talgar, C.[#], & Eckstein, M. (2000). Spatial attention increases contrast sensitivity across the CSF: Support for signal enhancement. *Vision Research*, 40, 1203-1215.
- McElree, B. & Carrasco, M. (1999). Temporal dynamics of visual search: A speed-accuracy analysis of feature and conjunction searches. *Journal of Experimental Psychology: Human Perception and Performance*, 25, 1517-1539.
- Yeshurun, Y.[#] & Carrasco, M. (1999). Spatial attention improves performance in spatial resolution tasks. *Vision Research*, 39, 293-305.
- Seamon, J.G. & Carrasco, M. (1999). The effect of study time on priming possible and impossible figures in the object decision test. *Psicothema (Spain)*, 11, 801-813.
- Carrasco, M., & Yeshurun, Y.[#] (1998). The contribution of covert attention to the set-size and eccentricity effects in visual search. *Journal of Experimental Psychology: Human Perception and Performance*, 24, 673-692.
- Yeshurun, Y.[#], & Carrasco, M. (1998). Attention improves or impairs visual performance by enhancing spatial resolution. *Nature*, 396, 72-75.
- Carrasco, M., McLean, T.L.[#], Katz, S.M.^{*}, & Frieder K.S.[#] (1998). Feature asymmetries in visual search: Effects of display duration, target eccentricity, orientation & spatial frequency. *Vision Research*, 38, 347-374.
- Carrasco, M., Ponte, D., Rechea, C., & Sampedro, M.J.[#] (1998). The effects of practice and distractor grouping on a within-dimension conjunction search. *Perception & Psychophysics*, 60, 1243-1258.
- Ganor-Stern, D.[#], Seamon, J.G., & Carrasco, M. (1998). The role of attention and study time in explicit and implicit memory for unfamiliar visual stimuli. *Memory & Cognition*, 26, 1187-1195.
- Carrasco, M., & Frieder, K.S.[#] (1997). Cortical magnification neutralizes the eccentricity effect in visual search. *Vision Research*, 37, 63-82.
- Carrasco, M., & Seamon, J.G. (1996). Priming impossible figures in the object decision task: The critical role of perceived stimulus complexity. *Psychological Bulletin & Review*, 3, 344-351.
- Carrasco, M., Evert, D.L.[#], Chang, I.^{*}, & Katz, S.M.^{*} (1995). The eccentricity effect: Target eccentricity affects performance on conjunction searches. *Perception & Psychophysics*, 57, 1241-1261.
- Carrasco, M., & Chang, I. (1995). The interaction of objective and subjective organizations in a localization search task. *Perception & Psychophysics*, 57, 1134-1150.
- Carrasco, M., & Ridout J.B.^{*} (1993). Olfactory perception and olfactory imagery: A Multi-dimensional analysis. *Journal of Experimental Psychology: Human Perception and Performance*, 19, 287-301.

- Carrasco, M.**, & Sekuler, E.B.* (1993). An unreported size illusion. *Perception*, 22, 383-405.
- Stuart, D.M., & **Carrasco, M.** (1993). On the semantic component of a cross-modal Stroop-like task. *American Journal of Psychology*, 106, 383-405.
- Carrasco, M.**, Katz, S.M.*, & Winter, J.* (1993). Multidimensional scaling and experimental aesthetics: Escher's prints as a case study. *Empirical Studies of the Arts*, 11, 1-23.
- Carrasco, M.** (1990). Visual space-time interactions: Effects of adapting to spatial frequencies on temporal sensitivity. *Perception & Psychophysics*, 48, 488-496.
- Carrasco, M.**, Kinchla, R.A., & Figueroa, J.G. (1988). Visual letter-matching and the time course of visual and acoustic codes. *Acta Psychologica*, 69, 1-17.
- Carrasco, M.**, Figueroa, J.G., & Willen, J.D.* (1986). A test of the spatial frequency explanation of the Muller-Lyer illusion. *Perception*, 15, 553-562.

CHAPTERS

- Carrasco, M.** & Yeshurun, Y. (2009). Covert Attention Effects on Spatial Resolution. In N. Srinivasan (Ed.) *Progress in Brain Research*. Vol 176, ATTENTION, The Netherlands: Elsevier, pp. 65-86.
- Carrasco, M.** (2009, in press). Attention: Covert. Encyclopedia of Perception. E.B. Goldstein (Ed.) SAGE Publications.
- Carrasco, M.** (2009, in press). Attention: Effects on perception. Encyclopedia of Perception. E.B. Goldstein (Ed.) SAGE Publications.
- Carrasco, M.** (2009). Attention, Psychophysical approaches. In The Oxford Companion to Consciousness. Bayne, A. Cleeremans & P. Wilken (Eds.), Oxford University Press,
- Carrasco, M.** (2006). Covert attention increases contrast sensitivity: Psychophysical, neurophysiological, and neuroimaging studies. In S. Martinez-Conde, S.L. Macknik, L.M. Martinez, J.M. Alonso, & P.U. Tse (Eds.), *Progress in Brain Research*. Boston: Elsevier, pp. 33-70.
- Carrasco, M.** (2005). Transient covert attention increases contrast sensitivity and spatial resolution: support for signal enhancement. In L. Itti, G. Rees, & J.K. Tsotsos (Eds.), *Neurobiology of attention* (pp. 442-447). Boston: Academic Press.
- Pelli, D. & **Carrasco, M.** (2000). Visual search and low vision. Report for the National Academy of Sciences' National Research Council: Committee on disability determination for individuals with visual impairments.
- Carrasco, M.** (2001). Atención y rendimiento visual. *Investigación y Ciencia* (Attention and visual performance. Spanish edition of *Scientific American*), 298, 31-33.

PAPERS DELIVERED AT MEETINGS OF LEARNED SOCIETIES

[* undergraduate or high-school; # graduate students]

Published Abstracts (since 2000)

Carrasco, M., Giordano, A.M. # (2009). Attention helps generalize learning across locations. European Conference in Visual Perception. Regensburg, Germany.

Herrmann, K., Montaser Kouhsari, L., Carrasco, M. Heeger D. J. (2009). Behavioral studies support the normalization model of attention. European Conference in Visual Perception. Regensburg, Germany.

Carrasco, M., Giordano, A.M. # & Baideme, L.* (2009, May) Covert attention generalizes perceptual learning. Vision Sciences Society, Naples, FL.

Carmel, D. & Carrasco, M. (2009, May) Bright and dark attention: Distinct effect of divided attention at attended and unattended locations . Vision Sciences Society, Naples, FL.

Herrmann, K.#, Carrasco, M. & Heeger, D. (2009, May) Psychophysical evidence for the normalization model of attention. Vision Sciences Society, Naples, FL.

Pestilli, F., Montagna, B. #, Gardner, J., Heeger, D. & Carrasco, M. (2009, May) Spatial attention reduces contrast adaptation. Vision Sciences Society, Naples, FL.

Spering, M., Pomplun, M. & Carrasco, M. (2009, May) Differential effects of suppressed visual motion information on perception and action during binocular rivalry flash suppression. Vision Sciences Society, Naples, FL.

Abrams, J. #, Barbot, A. # & Carrasco, M. (2009, May) Endogenous attention alters the appearance of spatial frequency. Vision Sciences Society, Naples, FL.

Montaser-Kouhsari, L. #, Abrams, J. & Carrasco, M. (2009, May) The limit of spatial resolution varies at isoecentric locations in the visual field. Vision Sciences Society, Naples, FL.

Pomplun, M., Garaas, T.W. & Carrasco, M. (2009, May) The Effects of Task Demands on the Dynamics of Visual Search in Virtual 3D Displays. Vision Sciences Society, Naples, FL.

Ferneyhough, E. #, Stanley, D.A., Phelps, E.A. & Carrasco, M. (2009) Effects of faces as exogenous cues are dependent on visual field and handedness. Vision Sciences Society, Naples, FL.

Spering, M. & Carrasco, M. (2008, November). Ocular following response as indicator for depth of suppression during binocular rivalry flash suppression. 40th Annual Meeting of the Society for Neuroscience, Washington, DC.

Pestilli, F., Carrasco, M. Heeger, D.J. & Gardner, J. & Carrasco, M. (2008, November). Does increased contrast response in human V1 account for enhanced behavioral performance with attention? 40th Annual Meeting of the Society for Neuroscience, Washington, DC.

- Carrasco, M., Giordano, A.M.[#] & Rosenbaum, A.* (2008, May) Exogenous attention: Less effort, more learning! Vision Sciences Society, Naples, FL.
- Montagna, B.,[#] Pestilli, F.[#] & Carrasco, M. (2008, May) Trading off visual acuity? Transient attention increases acuity at cued locations and decreases it at uncued locations. Vision Sciences Society, Naples, FL.
- Abrams, J.,[#] Taosheng, L. & Carrasco, M. (2008, May) Endogenous, sustained attention alters contrast appearance. Vision Sciences Society, Naples, FL.
- Fuller, S.[#] & Carrasco, M. (2008, May) Perceptual consequences of visual performance fields: The case of the line motion illusion. Vision Sciences Society, Naples, FL.
- Park, Y., * Fuller, S.[#] & Carrasco, M. (2008, May) Cue salience modulates the effects of exogenous attention on apparent contrast. Vision Sciences Society, Naples, FL.
- Montaser-Kouhsari, L.[#] & Carrasco, M. (2008, May). Perceived spatial frequency varies as a function of location in the visual field. Vision Sciences Society, Naples, FL.
- Corbett, J.[^] & Carrasco, M. (2008, May). Visual performance fields are retinotopic. Vision Sciences Society, Naples, FL.
- Pestilli, F.[#], Ling, S.[#] & Carrasco, M. (2007, August). Bridging neurophysiological and psychophysical effects of attention on contrast sensitivity. 30th Annual Meeting of the European Conference on Visual Perception (ECVP), Arezzo, Italy.
- Carrasco, M., Giordano, A.M.[#] & Looser, C.* (2007, May). Transient attention potentiates perceptual learning. Vision Sciences Society, Sarasota, FL.
- Giordano, A.M.[#], Rosenbaum, A. & Carrasco, M. (2007, May). Covert attention strengthens, speeds and maintains perceptual learning. Vision Sciences Society, Sarasota, FL.
- Ling, S.[#], Liu, T. & Carrasco, M. (2007, May). Feature-based attention increases gain and sharpens tuning of motion selective channels. Vision Sciences Society, Sarasota, FL.
- Liu, T., Larsson, J. & Carrasco, M. (2007, May). Feature-based attention modulates orientation-selective responses in human visual cortex. Vision Sciences Society, Sarasota, FL.
- Montagna, B.[#], Yeshurun, Y. & Carrasco, M. (2007, May). Differential effects of endogenous and exogenous covert attention on texture segmentation. Vision Sciences Society, Sarasota, FL.
- Pestilli, F.[#], Ling, S.[#] & Carrasco, M. (2007, May). Attention and contrast: A model linking single-unit and psychophysical data. Vision Sciences Society, Sarasota, FL.
- Corbett, J.E. & Carrasco, M. (2007, May). Attention enhances visual contributions to multisensory integration for the perception of upright. Vision Sciences Society, Sarasota, FL.
- Montaser-Kouhsari, L. & Carrasco, M. (2007, May). Does visual short-term memory vary as a function of visual field location? Vision Sciences Society, Sarasota, FL.
- Carrasco, M. & Giordano, A.M.[#] (2006, August). Exogenous attention effects on perceptual learning 29th Annual Meeting of the European Conference on Visual Perception (ECVP), St. Petersburg, Russia.

- Pestilli, F. # & Carrasco, M. (2006, August). Exogenous attention reduces the effect of contrast adaptation by increasing contrast sensitivity 29th Annual Meeting of the European Conference on Visual Perception (ECVP), St. Petersburg, Russia.
- Carrasco, M. & Ling, S.# (2006, May). When Sustained Attention Impairs Contrast Sensitivity. Vision Sciences Society, Sarasota, FL.
- Fuller, S.#, Liu, T., Carrasco, M. (2006, May). Attention alters the appearance of motion coherence. Vision Sciences Society, Sarasota, FL.
- Giordano, A.M.#, Carrasco, M. (2006, May). Perceptual learning and exogenous attention. Vision Sciences Society, Sarasota, FL.
- Ling, S.#, Liu, T., Carrasco, M. (2006, May). The Influence of Attention on Motion Selective Channels: An Equivalent Noise Approach. Vision Sciences Society, Sarasota, FL.
- Liu, T., Stevens, S., Carrasco, M. (2006, May). Comparing the effectiveness of spatial and feature-based attention. Vision Sciences Society, Sarasota, FL.
- Pestilli, F. #, Carrasco, M. (2006, May). On the interaction between covert attention and contrast adaptation. Vision Sciences Society, Sarasota, FL.
- Montagna, B.#, Carrasco, M. (2006, May). Transient covert attention increases the perceived rate of flicker. Vision Sciences Society, Sarasota, FL.
- Rodriguez, R. Z., Gobell, J.#, Fuller, S.#, Carrasco, M. (2006, May). Apparent contrast differs across the vertical meridian of the visual field: visual and attentional factors. Vision Sciences Society, Sarasota, FL.
- Carrasco, M. (2005, August). Linking neural circuits to perception: The case of visual attention in the Symposium: Visual circuits and perception since Ramón y Cajal. 28th Annual Meeting of the European Conference on Visual Perception (ECVP), A Coruña, Spain.
- Gobell, J.# & Carrasco, M. (2005, August). Effects of transient attention on contrast sensitivity during binocular rivalry: importance of timing. 28th Annual Meeting of the European Conference on Visual Perception (ECVP), A Coruña, Spain.
- Pestilli, F.# & Carrasco, M. (2005, August). Mechanisms of covert attention revealed by contrast adaptation 28th Annual Meeting of the European Conference on Visual Perception (ECVP), A Coruña, Spain.
- Carrasco, M. (2005, June). Symposium on Mechanisms of Visual Attention: Behavioral, Electrophysiological, and Neuroimaging Studies *American Psychological Society*, Los Angeles, CA
- Carrasco, M., Giordano, A.M.# & McElree, B. (2005, May). Temporal dynamics of covert attention. Paper delivered at *Vision Sciences Society*, Sarasota, FL.
- Faludi, R., Avakov, J.*, Maloney, L.T. & Carrasco, M. (2005, May). Covert transient attention affects motor response trajectories. *Vision Sciences Society*, Sarasota, Florida.
- Fuller, S.# & Carrasco, M. (2005, May). Hue-contrast is invariant with attention. *Vision Science Society*, Sarasota, FL.

- Gobell, J.#, Stanley, D.#, & Carrasco, M. (2005, May). Can transient attention offset the effects of sustained attention? *Vision Sciences Society*, Sarasota, FL.
- Kothari, R.*, Mahon, K.*, & Carrasco, M. (2005, May). Comparing performance fields of children and adults. *Vision Sciences Society*, Sarasota, FL.
- Ling, S.# & Carrasco, M. (2005, May). Sustained and transient covert attention enhance the signal via different contrast response functions. *Vision Sciences Society*, Sarasota, FL.
- Montagna, B.#, Yeshurun, Y. & Carrasco, M. (2005, May). On the flexibility of covert attention and its effects on a texture segmentation task. *Vision Sciences Society*, Sarasota, FL.
- Pestilli, F.# & Carrasco, M. (2005, May). Transient attention reduces the effect of adaptation. *Vision Sciences Society*, Sarasota, FL.
- Liu, T., Pestilli, F.# & Carrasco, M. (2004, November). Transient covert attention increases fMRI response in human visual cortex. 34th Annual Meeting of the Society for Neuroscience, San Diego, California.
- Carrasco, M., Liu, T. & Pestilli, F.# (2004, August). Transient attention increases performance and neuronal activity in an orientation discrimination task. 27th Annual Meeting of the European Conference on Visual Perception (ECPV), Budapest, Hungary.
- Faludi, R., Maloney, L.T. & Carrasco, M. (2004, May). Visual Performance Fields and Motor Control. *Vision Sciences Society*, Sarasota, FL.
- Fuller, S.#, Ling, S.# & Carrasco, M. (2004, May). Transient Attention Increases Perceived Saturation. *Vision Sciences Society*, Sarasota, FL.
- Ling, S.#, Phelps, E.A., Holmes, B. & Carrasco, M. (2004, May). Emotion potentiates attentional effects in early vision. *Vision Sciences Society*, Sarasota, FL.
- Giordano, A.M.#, McElree, B., & Carrasco, M. (2004). On the automaticity and flexibility of covert attention *Vision Sciences Society*, Sarasota, FL. [Abstract]. *Journal of Vision*, 4(8), 627a
- Gobell, J.# & Carrasco, M. (2004, May). Transient attention alters the appearance of spatial frequency. *Vision Sciences Society*, Sarasota, FL.
- Pestilli, F.#, Talgar, C.P.# & Carrasco, M. (2004, May). Sustained attention enhances letter identification without affecting channel tuning. *Vision Sciences Society*, Sarasota, FL.
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COURSES

NYU (1995-2009)

Collegiate Seminar: How We See
 Honors Seminar
 Perception

Laboratory in Perception
M.A. Perception
Area Seminar in Perception
Graduate Seminar on Perception and Attention
Graduate core course on Attention
Directed 12 Undergraduate Honors Theses

Wesleyan University (1989-1995)

Honors Integrated Seminar
Mechanisms of the Mind: Cognitive Neuroscience
Perception
Practicum in Perception and Attention
Research Methods in Perception
Seminar on Perception
Seminar on Perception and Attention
Statistics and Statistics Lab
Individual Research Tutorials (20)
Directed 7 M.A. & 6 Undergraduate Honors Theses

PROFESSIONAL & ACADEMIC SERVICE

Service at NYU (1995–)

Co-Chair, Committee of Policy and Planning (2008–09, 2009-10)
Member of Search Committee for Dean for Faculty of Arts and Sciences (2009–)
Member of NYU Abu Dhabi Undergraduate Curriculum Advisory Committee (2009–)
Member, EQUAL Commission (2008–)
Coordinator, Cognition & Perception Program, Department of Psychology (2008-09)
Member, Steering Committee, Women in Science Program, College of Arts and Science (2007–)
Member, Committee on Committees and Rules (2007–2008)
Chair, Department of Psychology (2001–2007)
Coordinator, College of Arts and Sciences Heads (CASH, 2002–2006; co-coordinator 2006-2007)
Member, University Honors Committee (2005–2007)
Member, University Committee for Undergraduate Studies (2002–2007)
Member, Science Planning Committee (2002–2003)
Member, Middle States Association Self-Study and Accreditation (2002–2003)
Associate Chair, Department of Psychology (2000–2001)
Member, Steering Committee, Brain Imaging Center (2000–2007; 2009–)
Member, University Committee on Student Discipline (1997–2000)
Member, Educational Policy Committee, Psychology Department (1996-1998)
Freshman Adviser for the Class 2000

Service at Wesleyan University (1989-1995)

Advisory Committee (Promotion & Tenure) to the President (1993-1994)
Committee on Faculty Development, Natural Sciences (1991-1993)
Freshman adviser for the Classes (1994, 1997)
Committee on Departmental Computers (1990-1995)
Committee on the Psychology M.A. Program (1989-1994)
Alumni Day Panel on Multiculturalism (Spring 1991)

Hispanic Alumni Day Panel (Spring 1991)
Student Admissions Panel (Fall 1990, Fall 1993)
Organizer of the Psychology Colloquium Series (1989-1991)

EDITORIAL COMMITTEES

Editorial Board

Vision Research (2005–); Senior Editor (2008–)
Journal of Vision (2006–)
Perception & Psychophysics (2003–2008)

Journal Reviewer

Attention, Perception & Psychophysics
Current Biology
Experimental Brain Research
Journal of Cognitive Neuroscience
Journal of Experimental Psychology: General
Journal of Experimental Psychology: Perception and Performance
Journal of General Psychology
Journal of Neurophysiology
Journal of Neuroscience
Journal of Vision
Nature
Nature Neuroscience
Neuron
Perception
Perception & Psychophysics
Proceedings of the National Academy of Science
Psychological Research
Psychological Science
Psychonomic Bulletin Review
Public Library of Science (PLoS) Biology
Quarterly Journal of Psychology
Science
Spatial Vision
Trends in Cognitive Science
Vision Research
Visual Cognition
Visual Neuroscience

Board of Directors

Vision Sciences Society (elected 2008 –)

Program Reviewer

ECVP
Vision Sciences Society

Conference Committee

Association for the Scientific Study of Consciousness
Vision Sciences

Workshop Co-organizer

Third Rovereto Attention Workshop, Rovereto, Italy (October 2009)
Second Rovereto Attention Workshop, Rovereto, Italy (October 2008)
First Rovereto Attention Workshop, Rovereto, Italy (October 2007)
Second International Workshop on Visual Attention, Buenos Aires, Argentina (March 07)
First International Workshop on Visual Attention, San Miniato, Italy (March 2003)

Book Reviewer

CONACYT (Mexican National Council of Science & Technology)
McGraw & Hill

Grant Reviewer

Air Force Office of Scientific Research
Binational Israel-U.S. Science Foundation
CONACYT (Mexican National Council of Science & Technology)
Ford Foundation
German Science Foundation
Guggenheim Foundation
Israel Science Foundation
National Institute of Health (NIH)
National Research Council (NRC)
National Science Foundation (NSF)
National Science Foundation (Scotland)
Volkswagen Foundation