

Tatiana Emmanouil

Baruch College - CUNY

Psychology

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Education

Ph D, Princeton University, 2009.

Major: Psychology and Neuroscience

Dissertation Title: Attentional limitations in the statistical processing of perceptual groups

BA, UC Berkeley, 2003.

Major: Psychology

Academic, Government, Military and Professional Positions

Academic

Assistant Professor, Baruch College. (August 2013 - Present).

Postdoctoral Fellow, The City College of New York. (August 2009 - August 2013).

Professional Memberships

Vision Sciences Society.

Psychonomic Society

TEACHING

Teaching Experience

Baruch College - CUNY

IDC 4050, FEIT seminar: Literature and the Brain, 1 course.

PSY 3001, Research Methods, 7 courses.

PSY 3081, Cognitive Psychology, 5 courses.

PSY 5000, Honors Independent Study, 4 courses.

PSY 5001, Honors Independent Study, 1 course.

PSY 6001, Honors Psychology, 1 course.

PSY 6002, Honors Psychology, 1 course.

Graduate Center - CUNY

PSY 70811, Neuroscience II, 3 courses.

RESEARCH

Published Intellectual Contributions

Refereed Journal Articles

- Magen, H., & Emmanouil, T. (in press). Spatial estimation of self initiated locations. To appear in *Psychonomic Bulletin & Review*.
- Magen, H., & Emmanouil, T. (2018). Working memory for self-initiated and provided spatial configurations. *Quarterly Journal of Experimental Psychology*, *71*(10), 2186-2206.
- Epstein, M. L., & Emmanouil, T. (2017). Ensemble coding remains accurate under object and spatial visual working memory load. *Attention Perception and Psychophysics*, *79*, 2088–2097.
- Persuh, M., Emmanouil, T., & Ro, T. (2016). Perceptual overloading reveals illusory contour perception without awareness of the inducers. *Attention Perception and Psychophysics*, *78*(6), 1692-1701.
- Emmanouil, T., & Magen, H. (2014). Neural evidence for sequential selection of object features. *Trends in cognitive sciences*, *18*(8), 390-1.
- Emmanouil, T., & Ro, T. (2014). Amodal completion of unconsciously presented objects. *Psychonomic bulletin & review*, *21*(5), 1188-1194.
- Emmanouil, T., Avigan, P., Persuh, M., & Ro, T. (2013). Saliency affects feedforward more than feedback processing in early visual cortex. *Neuropsychologia*, *51*(8), 1497-503.
- Emmanouil, T., Burton, P., & Ro, T. (2013). Unconscious processing of unattended features in human visual cortex. *Journal of cognitive neuroscience*, *25*(3), 329-37.
- Magen, H., Emmanouil, T., McMains, S. A., Kastner, S., & Treisman, A. (2009). Attentional demands predict short-term memory load response in posterior parietal cortex. *Neuropsychologia*, *47*(8-9), 1790-8.
- Chong, S. C., Joo, S. J., Emmanouil, T., & Treisman, A. (2008). Statistical processing: not so implausible after all. *Perception & psychophysics*, *70*(7), 1327-34; discussion 1335-6.
- Emmanouil, T., & Treisman, A. (2008). Dividing attention across feature dimensions in statistical processing of perceptual groups. *Perception & psychophysics*, *70*(6), 946-54.
- McMains, S., Emmanouil, T., Fehd, H., & Kastner, S. (2007). Mechanisms of feature-and space-based attention: response modulation and baseline increases. *Journal of Neurophysiology*, *98*(4), 2110-2121.

Presentations Given

- Epstein, M. (Presenter & Author), Emmanouil, T., VSS annual meeting, "Neural Substrates of Ensemble Perception," Visual Sciences Society, Tampa, FL. (May 22, 2018).
- Magen, H. (Presenter & Author), Emmanouil, T. (Author Only), Psychonomic Society Annual meeting, "Estimation in Self-Initiated Working Memory for Spatial Locations." (November 12, 2017).
- Epstein, M. (Presenter & Author), Emmanouil, T. (Author Only), VSS annual meeting, "Statistical processing of perceptual groups under working memory load," VSS, Tampa, Florida. (May 2016).

- Emmanouil, T. (Presenter & Author), Perceptual Science Series, "Exploring the limitations of the statistical processing of perceptual groups," Rutgers Center fo Cognitive Science, Rutgers Center fo Cognitive Science. (March 28, 2016).
- Lee, J. (Presenter & Author), Emmanouil, T. (Presenter & Author), VSS annual meeting, "Statistical processing of partly occluded sets." (May 19, 2015).
- Emmanouil, T. (Presenter & Author), Treisman, A. (Author Only), VSS annual meeting, "Adaptation specific to conjunctions of features," Vision Sciences Society, St. Petersburg, FL. (May 2014).
- Persuh, M. (Presenter & Author), Emmanouil, T. (Author Only), Ro, T. (Author Only), VSS annual meeting, "Color assimilation without awareness of color context," Vision Sciences Society, St. Petersburg, FL. (May 2014).
- Persuh, M. (Presenter & Author), Emmanouil, T. (Author Only), Ro, T. (Author Only), VSS annual meeting, "Emergence of illusory shapes from invisible inducers," Vision Sciences Society, Naples, FL. (May 2013).
- Emmanouil, T. (Presenter & Author), Cognitive Science Colloquium, "Visual Processing outside the focus of attention and awareness," The Graduate Center, CUNY, New York, NY. (2012).
- Emmanouil, T. (Presenter & Author), Microsoft Research Seminars, "Visual Processing outside the focus of attention and awareness," Microsoft Research, Seattle, WA. (2012).
- Emmanouil, T. (Presenter & Author), Ro, T. (Author Only), VSS annual meeting, "Amodal completion of unconsciously processed objects.," Vision Sciences Society, Naples, FL. (May 2012).
- Emmanouil, T. (Presenter & Author), Columbia Cognitive Colloquium, "Limitations of statistical and unconscious processing of visual scenes," Columbia University, New York, NY. (2011).
- Emmanouil, T. (Presenter & Author), Burton, P. (Author Only), Ro, T. (Author Only), SFN annual meeting, "Unconscious processing of unattended features in human visual cortex," Society for Neuroscience, Washington, DC. (November 2011).
- Emmanouil, T. (Presenter & Author), Avigan, P. (Author Only), Persuh, M. (Author Only), Ro, T. (Author Only), VSS annual meeting, "Saliency affects feedforward more than feedback processing in primary visual cortex," Vision Sciences Society, Naples, FL. (May 2011).
- Emmanouil, T. (Presenter & Author), Avigan, P. (Author Only), Persuh, M. (Author Only), Ro, T. (Author Only), Annual Psychonomics Meeting, "The effects of task and saliency in TMS-induced suppression of visual awareness," Psychonomics Society, St Louis, MO. (November 2010).
- Emmanouil, T. (Presenter & Author), Treisman, A. (Author Only), OPAM meeting, "Statistical processing of correlations between visual features," Object Perception Attention and Memory, Long Beach, CA. (November 2007).
- Emmanouil, T. (Presenter & Author), Treisman, A. (Author Only), OPAM meeting, "Dividing attention across feature dimensions in statistical processing," Object Perception Attention and Memory, Houston, TX. (November 2006).
- Beck, D. (Presenter & Author), Emmanouil, T. (Presenter & Author), Kastner, S. (Author Only), SFN annual meeting, "Competitive interactions among motion stimuli in human visual cortex," Society for Neuroscience, San Diego CA. (November 2004).

Contracts, Grants and Sponsored Research

Grant

Emmanouil, T., "The consequences of perceived trustworthiness and dominance for groups of faces," Sponsored by Eugene Lang, Baruch College - CUNY, \$7,315.00. (July 2018 - July 2019).

Emmanouil, T., "Interactions between unconsciously processed statistical summaries and consciously processed objects.," Sponsored by PSC CUNY, Baruch College - CUNY, \$3,500.00. (July 1, 2018 - June 30, 2019).

Emmanouil, T., "Interactions between perceptual and higher order causal inferences," Sponsored by PSC-CUNY, Local, \$3,500.00. (July 2016 - June 2017).

Emmanouil, T., "Interplay between unconscious and conscious information processing," Sponsored by PSC CUNY, Baruch College - CUNY, \$3,500.00. (July 1, 2015 - June 30, 2016).

Emmanouil, T., "Automaticity in statistical processing of multiple visual features," Sponsored by PSC-CUNY, Local, \$3,500.00. (July 1, 2014 - June 30, 2015).

Mandelbaum, E. (Co-Principal), O'Brien, D. (Co-Principal), Emmanouil, T. (Co-Principal), "Weismann School of Arts and Sciences," Baruch College - CUNY, \$5,000.00. (January 1, 2014 - June 1, 2014).

Awards and Honors

Postdoctoral Travel Award, City University of New York, CUNY. (October 10, 2010).

Summer Institute in Cognitive Neuroscience Fellowship, 2009, Summer Institute in Cognitive Neuroscience. (July 2009).

High Honors in Psychology, UC Berkeley. (2003).

J.F. Costopoulos Foundation graduate fellowship, Hellenic Studies, Princeton University. (September 2003).

Dean's Honor list, UC Berkeley. (2000).

Journal reviewing

Attention Perception and Psychophysics

Consciousness and Cognition

Cortex

Frontiers in Psychology

Neuroimage

Psychological Science