

Talia Konkle

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33 Kirkland St
Cambridge, MA 02138

Academic Appointments and Education

Assistant Professor

Department of Psychology & Center for Brain Science, Harvard University

July 2015-

Postdoctoral Fellow

Department of Psychology, Harvard University

2012 - 2015

Center for Mind/Brain Sciences, University of Trento, Italy

2011 - 2012

Supervisor: Professor Alfonso Caramazza

Ph.D. Brain and Cognitive Sciences

Massachusetts Institute of Technology

2005 - 2011

Advisor: Professor Aude Oliva

B.A. Applied Mathematics with Computer Science, B.A. Cognitive Science

University of California – Berkeley

2000 - 2004

Advisor: Professor Richard Ivry

Research and Scholarship

Manuscripts

- [1] Long, B. Yu, C-P., & Konkle, T. (in revision). Mid-level visual features explain high-level categorical organization in the ventral stream. *Proceedings of the National Academy of Sciences, USA*.
- [2] Long, B., Moher, M., Konkle, T., & Carey, S. (under review). Animacy and object size are reflected in perceptual similarity computations by the preschool years. *Developmental Psychology*.
- [3] Long, B., Konkle, T., Moher, M., & Carey, S. (in preparation). Real-world size is automatically encoded in preschoolers' object representations.
- [4] Magri, C., Konkle, T., & Caramazza, A. (in preparation). The contribution of object size, manipulability, and stability on neural responses to inanimate objects.
- [5] Josephs, E. & Konkle, T. (in preparation). Intermediate-scale reachspaces perceptually dissociate from full-scale scenes and singleton objects.
- [6] Tarhan, L. & Konkle, T. (in preparation). Modeling the Neural Structure Underlying Human Action Perception.
- [7] Tarhan, L & Konkle, T (in preparation). Reliability-Based Voxel Selection for Condition-Rich Designs.

Publications

- [8] Long, B. & Konkle, T. (2017). A familiar-size Stroop Effect in the absence of basic-level recognition. *Cognition*. 168, 234-242.

- [9] Cohen, M., Alvarez, G. A., Nakayama, K., & Konkle, T. (2017). Visual search for object categories is predicted by the representational architecture of high-level visual cortex. *Journal of Neurophysiology*. 117 (1), 388-402.
- [10] Konkle, T., & Caramazza, A. (2016). The large-scale organization of object-responsive cortex is reflected in resting-state network architecture. *Cerebral Cortex*. 1-13.
- [11] Long, B., Konkle, T., Cohen, M., & Alvarez, G. A. (2016). Mid-level perceptual features distinguish objects of different real-world sizes. *Journal of Experimental Psychology: General*. 154 (1), 95-109.
- [12] Cohen, M., Konkle, T., Nakayama, K., & Alvarez, G. A. (2015). Visual awareness is constrained by the representational architecture of the visual system. *Journal of Cognitive Neuroscience*. 27 (11), 2240-52.
- [13] Park*, S. J., Konkle*, T., & Oliva, A. (2015). Parametric Coding of the Size and Clutter of Natural Scenes in the Human Brain. *Cerebral Cortex*. 25(7):1792-805.
- [14] Cohen, M., Konkle, T., Rhee, J., Nakayama, K., & Alvarez, G. A. (2014). Processing multiple visual objects is limited by overlap in neural channels. *Proceedings of the National Academy of Sciences*.
- [15] Konkle, T., & Caramazza, A. (2013). Tripartite Organization of Object Responses by Animacy and Real-World Size. *Journal of Neuroscience*, 33 (25), 10235-42.
- [16] Brady, T. F., Konkle, T., Gill, J., Oliva, A., & Alvarez, G. A. (2013). Long-term memory has the same limit on fidelity as working memory. *Psychological Science*, 24 (6), 981-990.
- [17] Brady, T. F., Konkle, T., Alvarez, G. A., & Oliva, A. (2013). Real-world objects are not represented as bound units: Independent forgetting of different object details from visual memory. *Journal of Experimental Psychology: General*, 142(3), 791-808.
- [18] Konkle, T., & Oliva, A. (2012). A real-world size organization of object responses in occipito-temporal cortex. *Neuron*. 74(6), 1114-24.
- [19] Konkle, T., & Oliva, A. (2012). A Familiar Size Stroop Effect: Real-world size is an automatic property of object representation. *Journal of Experimental Psychology: Human Perception & Performance*, 38, 561-9.
- [20] Konkle, T. & Oliva, A. (2011). Canonical visual size for real-world objects. *Journal of Experimental Psychology: Human Perception and Performance*. 37(1):23-37.
- [21] Brady, T. F., Konkle, T. & Alvarez, G. A. (2011). A review of visual memory capacity: Beyond individual items and toward structured representations. *Journal of Vision*. 11(5):4, 1-4.
- [22] Konkle, T., Brady, T. F., Alvarez, G. A., & Oliva, A. (2010). Scene memory is more detailed than you think: the role of scene categories in visual long-term memory. *Psychological Science*, 21(11), 1551-1556.
- [23] Konkle, T., Brady, T. F., Alvarez, G. A., & Oliva, A. (2010). Conceptual distinctiveness supports detailed visual long-term memory. *Journal of Experimental Psychology: General*. 139(3), 558-578.
- [24] Bedny, M., Konkle, T., Pelphrey, K., Saxe, R., & Pascual-Leone, A. (2010). Sensitive period for a vision-dominated response in human MT/MST. *Current Biology*, 20(21),1900-6.
- [25] Oliva, A., Park, S., & Konkle, T. (2010). Representing, Perceiving and Remembering the Shape of Visual Space. Computational Vision in Neural and Machine Systems. Cambridge University Press, edited by Laurence R Harris and Michael Jenkin.

- [26] Brady, T. F., Konkle, T., & Alvarez, G. A. (2009). Compression in visual short-term memory: using statistical regularities to form more efficient memory representations. *Journal of Experimental Psychology: General*, 138(4), 487-502.
- [27] Konkle, T. & Moore, C. I. (2009). What can crossmodal aftereffects reveal about neural representation and dynamics? *Communicative and Integrative Biology*, 2(6), 479-481.
- [28] Konkle, T., Wang, Q., Hayward, V., & Moore, C. I. (2009). Motion Aftereffects Transfer Between Touch and Vision. *Current Biology*, 19, 745-750.
- [29] Brady, T. F., Konkle, T., Oliva, A., & Alvarez, G. (2009). Detecting changes in real-world objects: The relationship between visual long-term memory and change blindness. *Communicative and Integrative Biology* 2:1, 1-3.
- [30] Brady, T. F., Konkle, T., Alvarez, G. A. & Oliva, A. (2008). Visual long-term memory has a massive storage capacity for object details. *Proceedings of the National Academy of Sciences USA*. 105(38), 14325-9.
- [31] Carter, O. L., Konkle, T., Wang, Q., Hayward, V., & Moore, C. I. (2008). Tactile Rivalry Demonstrated with an Ambiguous Apparent-Motion Quartet. *Current Biology*, 18(14), 1050-4.
- [32] Konkle, T., & Oliva, A. (2007). Normative representation of objects: Evidence for an ecological bias in perception and memory. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the 29th Annual Cognitive Science Society*, (pp. 407-413), Austin, TX: Cognitive Science Society.
- [33] Alvarez, G. A., Konkle, T., & Oliva, A. (2007). Searching in Dynamic Displays: Effects of configural predictability and spatio-temporal continuity. *Journal of Vision*, 7(14):12, 1-12.
- [34] Verstynen, T. D., Spencer, R., Stinear, C. M., Konkle, T., Diedrichsen, J., Byblow, W. D., Ivry, R. B. (2007). Bilateral Pathways Do Not Predict Mirror Movements: A Case Report. *Neuropsychologia*, 45(4), 844-852.
- [35] Verstynen, T. D., Konkle, T., & Ivry, R. B. (2006). Two types of TMS-induced Movement Variability After Stimulation of the Primary Motor Cortex. *Journal of Neurophysiology*. 96, 1018-1029.

Conference Presentations

2017

- [1] Josephs, E.L., Konkle, T. (2017). Dissociable representations of objects, scenes, and intermediate views. Poster presented at the 1st annual *Computational Cognitive Neuroscience* conference, New York, New York, USA.
- [2] Tarhan L, Konkle T. Modeling the Neural Structure Underlying Human Action Perception. Poster presented at the 1st annual *Cognitive Computational Neuroscience* conference, New York, NY. 2017.
- [3] Josephs, E. & Konkle, T. (2017). Object, scenes, and the spaces in between: Workspaces have distinctive perceptual and semantic content. Talk presented at the annual meeting of the *Vision Sciences Society*, May 19-24, St. Pete Beach, FL.
- [4] Long, B. & Konkle, T. (2017). Mid-level features are sufficient to drive the animacy and object size organization of the ventral stream. Talk presented at the annual meeting of the *Vision Sciences Society*, May 19-24, St. Pete Beach, FL.
- [5] Tarhan, L. & Konkle, T. (2017). Low and high level features explain neural response tuning during action observation. Poster presented at the annual meeting of the *Vision Sciences Society*, May 19-24, St. Pete Beach, FL.

- [6] Yu, C-P. & Konkle, T. (2017). Map-CNN: A Convolutional Neural Network with Map-like Organizations. Poster presented at the annual meeting of the *Vision Sciences Society*, May 19-24, St. Pete Beach, FL.

2016

- [7] Long, B. & Konkle, T. (2016). Mid-level features are sufficient to drive the animacy and object size organization of the ventral stream. Talk presented at the annual meeting of the *Society for Neuroscience*, November 12-16, San Diego, CA.
- [8] Long, B., Carey, S., & Konkle, T. (2016). Pre-verbal infants automatically activate real-world object size information. Poster presented at the annual meeting of the *Vision Sciences Society*, May 13-18, St. Pete Beach, FL.
- [9] Magri, C., Konkle, T., & Caramazza, A. (2016). Visual object responses of the ventral stream reflect both size and motor-relevance. Poster presented at the annual meeting of the *Vision Sciences Society*, May 13-18, St. Pete Beach, FL.

2015

- [10] Konkle, T., & Caramazza, A. (2015). Exploring the representational structure in visual object-responsive cortex. Poster presented at the annual meeting of the *Society for Neuroscience*, Oct 17-21, Chicago, IL.
- [11] Konkle, T., Wang, X., Peelen, M., Caramazza, A. Bi., Y. (2015). Convergence and divergence in the neural organization of object responses to pictures and words. Talk presented at the annual meeting of the *Vision Sciences Society*, May 15-20, St. Pete Beach, FL.
- [12] Long, B., Konkle, T. & Alvarez, G. (2015). Real-world object size is automatically activated by mid-level shape features. Talk presented at the annual meeting of the *Vision Sciences Society*, May 15-20, St. Pete Beach, FL.
- [13] Long, B., Moher, M., Konkle, T., Alvarez, G.A., & Carey, S. (2015). Broad category membership guides visual attention in young children. Poster presented at the *Society for Research in Child Development*, March 19-21, Philadelphia, PA.
- [14] Long, B., Moher, M., Konkle, T., Alvarez, G.A., & Carey, S. (2015). Broad category membership guides visual attention in young children. Poster presented at 5th Annual *CEU Conference on Cognitive Development*, January 8-11, Budapest, Hungary.
- [15] Cohen, M., Nakayama, K., Konkle, T., Alvarez, G. (2015). Visual awareness is constrained by the functional organization of the higher-level visual system. Poster presented at the annual meeting of the *Vision Sciences Society*, May 15-20, St. Pete Beach, FL.

2014

- [16] Konkle, T., & Caramazza, A. (2014). Object gist features capture the structure of neural responses to objects. Poster presented at the annual meeting of the *Vision Sciences Society*, May 16-21, St. Pete Beach, FL.
- [17] Cohen, M., Konkle, T., Nakayama, K., & Alvarez, G. A. (2014). Exploring the representational geometry of object representation in the ventral stream using brain-behavior correlations Talk presented at the annual meeting of the *Vision Sciences Society*, May 16-21, St. Pete Beach, FL.
- [18] Cohen, M., Konkle, T., Nakayama, K., & Alvarez, G. A. (2014). Exploring the representational geometry of object representation in the ventral stream using brain-behavior correlations. Poster presented at the annual meeting of the *Cognitive Neuroscience Society*, April 5-8, Boston, MA.

2013

- [19] Konkle, T., & Caramazza, A. (2013). Macro-organization of object responses in occipito-temporal cortex. Symposium presentation at the annual meeting of the *Vision Sciences Society*, May 12-15, Naples, FL.
- [20] Konkle, T., & Caramazza, A. (2013). Large-scale functional distinctions in object cortex are reflected in resting state networks. Poster presented at the annual meeting of the *Vision Sciences Society*, May 12-15, Naples, FL.
- [21] Long, B., Konkle, T., Cohen, M., & Alvarez, G. A. (2013). Real-World Size Influences Visual Search Efficiency. Poster presented at the annual meeting of the *Vision Sciences Society*, May 12-15, Naples, FL.

2012

- [22] Konkle, T., & Caramazza, A. (2012). Large-Scale Object Topography In Occipito-Temporal Cortex. Poster presented at the *Concepts, Actions, and Objects* annual meeting, May 24-27, Rovereto, Italy.

- [23] Konkle, T., & Caramazza, A. (2012). Comparing Animacy and Real-World Size Object Topography In Occipito-Temporal Cortex: a "Coarse MVPA" approach. Talk presented at the annual meeting of the Vision Sciences Society, May 11-16, Naples, FL.
- [24] Cohen, M., Konkle, T., Rhee, J., Nakayama, K., & Alvarez, G. A. (2012). High-level neural similarity predicts perceptual competition during encoding of different object categories. Talk presented at the annual meeting of the Vision Sciences Society, May 11-16, Naples, FL
- [25] Rhee, J., Konkle, T., Brady, T. F., & Alvarez, G. A. (2012). Does memory enhancement training alter perceptual representations? Poster presented at the annual meeting of the Vision Sciences Society, May 11-16, Naples, FL.

2011

- [26] Konkle, T., & Oliva, A. (2011). Big and small objects are represented in a medial to lateral organization across ventral visual cortex. Talk presented at the Concepts, Actions, and Objects annual meeting, May 19-22, Rovereto, Italy.
- [27] Konkle, T., & Oliva, A. (2011). Organizing visual object knowledge by real-world size in ventral visual cortex. Poster presented at the annual meeting of the Vision Sciences Society, May 6-12, Naples, FL.
- [28] Brady, T. F., Konkle, T., Alvarez, G. A., & Oliva, A. (2011). Are real-world objects represented as bound units? Independent decay of object details from short-term to long-term memory. Poster presented at the annual meeting of the Vision Sciences Society, May 6-12, Naples, FL.
- [29] Cohen, M. A., Nakayama, K., Konkle, T., & Alvarez, G. A. (2011). Competition for working memory resources depends on the kind of stimuli being remembered. Poster presented at the annual meeting of the Vision Sciences Society, May 6-12, Naples, FL.
- [30] Park, S., Konkle, T., & Oliva, A. (2011). Neural coding of the size of space and the amount of clutter in a scene. Talk presented at the annual meeting of the Vision Sciences Society, May 6-12, Naples, FL.
- [31] Rhee, G., Konkle, T., Brady, T. F., & Alvarez, G. A. (2011). Learning statistical regularities can speed the encoding of information into working memory. Poster presented at the annual meeting of the Vision Sciences Society, May 6-12, Naples, FL.

2010

- [32] Konkle, T., & Oliva, A. (2010). Examining how objects of different real-world sizes are represented in ventral visual cortex. Talk presented at the annual meeting of the Society for Neuroscience, Nov 8-13, San Diego, CA.
- [33] Park, S., Konkle, T., & Oliva, A. (2010). Neural representation of the size of space and the amount of clutter in a scene. Talk presented at the annual meeting of the Society for Neuroscience, Nov 8-13, San Diego, CA.
- [34] Konkle, T., & Oliva, A. (2010). Examining how the real-world size of objects is represented in ventral visual cortex. Talk presented at the annual meeting of the Vision Sciences Society, May 7-12, Naples, FL.
- [35] Park, S., Konkle, T., & Oliva, A. (2010). Neural Coding of Scene Volume: the Size of Space Represented across the PPA and LOC. Poster presented at the annual meeting of the Vision Sciences Society, May 7-12, Naples, FL.

2009

- [36] Konkle, T., & Oliva, A. (2009). Reconstructive Memory Biases for Object and Scene Views. Poster presented at the 50th annual meeting of the *Psychonomic Society*, November 19-21, Boston, MA.
- [37] Oliva, A., Brady, T. F., Konkle, T., Alvarez, G. A., (2009). Remembering thousands of images with high fidelity. Talk presented at the 50th annual meeting of the *Psychonomic Society*, November 19-21, Boston, MA.
- [38] Bedny, M., Konkle, T., Saxe, R., Pascual-Leone, A., (2009). Plasticity in the visual motion system of congenitally and late blind adults. Talk presented at the annual meeting of *the Society for Neuroscience*, October 17-21, Chicago, IL.
- [39] Konkle, T., Wang, Q., Hayward, V., & Moore, C. I. (2009). Motion aftereffects transfer between vision and touch. Talk presented at the annual *International Multisensory Research Forum*, June 29 – July 2, 2009, New York, NY.

- [40] Konkle, T., & Oliva, A. (2009). Canonical visual sizes for real-world objects. Poster presented at the annual meeting of the *Vision Sciences Society*, May 8-13, Naples, FL.
- [41] Alvarez, G. A., Konkle, T., Brady, T. F., Gill, J., & Oliva, A. (2009). Comparing the Fidelity of Perception, Short-term Memory, and Long-term Memory: Evidence for Highly Detailed Long-term Memory Representations. Talk presented at the annual meeting of the *Vision Sciences Society*, May 8-13, Naples, FL.
- [42] Brady, T. F., Konkle, T., & Oliva, A. (2009). Examining object representation via object memory: exemplar and state-level object properties are supported by the same underlying features. Poster to be presented at the annual meeting of the *Vision Sciences Society*, May 8-13, Naples, FL.
- [43] Oliva, A., Konkle, T., Brady, T., F., & Alvarez, G., A. (2009). The high fidelity of scene representation in visual long-term memory. Talk presented at the annual meeting of the *Vision Sciences Society*, May 8-13, Naples, FL.
- [44] Bedny, M., Caramazza, A., Konkle, T., Pascual-Leone, A., Saxe, R. (2009). Effects of Visual Deprivation on Action Verb Representation in the Lateral-Temporal-Cortex: Evidence from congenitally blind adults. Talk presented at the annual meeting of the *Cognitive Neuroscience Society*, March 21-March 24, San Francisco, CA.

2008

- [45] Konkle, T., Bedny, M., Saxe, R., Moore, C. I. (2008). Motion-selective recruitment of MT+ by tactile apparent motion stimuli. Poster presented at the annual meeting of the *Society for Neuroscience*, November 15-19, Washington, D.C.
- [46] Carter, O., Konkle, T., Wang, Q., Hayward, V & Moore, C. (2008). Tactile rivalry demonstrated with ambiguous apparent motion quartet. Poster presented at the annual meeting of the *Society for Neuroscience*, November 15-19, Washington, D.C.
- [47] Brady, T. F., Konkle, T., & Alvarez, G. A. (2008). Efficient Coding in Visual Short-Term Memory: Evidence for an Information-Limited Capacity. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 887-892). Austin, TX: Cognitive Science Society.
- [48] Konkle, T., & Oliva, A. Objects, Big and Small: Evidence for canonical visual size in object representation. Talk presented at the *European Conference for Visual Perception*, August 24-28, Utrecht, Netherlands.
- [49] Konkle, T., Brady, T. F., Alvarez, G. A. and Oliva, A. (2008). Remembering Thousands of Objects with High Fidelity. Poster presented at the Second Annual *Tufts University Conference on Emerging Trends in Behavioral, Affective, Social, and Cognitive Neurosciences*, Medford, MA.
- [50] Brady, T. F., Konkle, T., Alvarez, G. A., & Oliva, A. (2008). Compression in visual short-term memory: Using statistical regularities to form more efficient memory representations. *Poster presented at the annual meeting of the Vision Sciences Society*, May 9-14, Naples, FL.
- [51] Konkle, T., Brady, T. F., Alvarez, G., A., & Oliva, A. (2008). Remembering Thousands of Objects with High Fidelity. Talk presented at the annual meeting of the *Vision Sciences Society*, May 9-14, Naples, FL.

2007

- [52] Konkle, T. A., Wang, Q., Hayward, V., & Moore, C., I. (2007). Visual motion adaptation induces a tactile motion after effect. Talk presented at the annual meeting of the *Society for Neuroscience*, November 3-7, San Diego, CA.
- [53] Carter, O., Konkle, T., Snyder, J., Wang, Q., Hayward, V., Moore, C., & Nakayama, K. (2007). Bi-stable tactile stimulus shows perceptual rivalry exists across the senses. Poster presented at the *8th International Multisensory Research Forum*, July 5-7, Sydney, Australia.
- [54] Konkle, T., & Oliva, A. (2007). Normative representation of objects and scenes: Evidence from predictable biases in perception and memory. Poster presented at the annual meeting of the *Vision Sciences Society*, May 11-16, Sarasota, FL.

2006

- [55] Konkle, T., McDaniel, E., Greene, M., & Oliva, A. (2006). Constructing depth information in briefly presented scenes. Poster presented at the annual meeting of the *Vision Sciences Society*, May 5-10, Sarasota, FL.

- [56] Oliva, A., Konkle, T., Greene, M., & Torralba, A. (2006). Not all Scene Categories are Created Equal: The role of object and layout diagnosticity in scene gist understanding. Poster presented at the annual meeting of the *Vision Sciences Society*, May 5-10, Sarasota, FL.
- [57] Vul, E., Konkle, T., Love A., Williams, A., & Nieuwenstein, M. (2006). Quantitative prediction errors in RSVP: modeling the time course of suppression during the attentional blink. Poster presented at the annual meeting of the *European Conference of Visual Perception*, August 20-25, St Petersburg, Russia.

Pre 2006

- [58] Konkle, T., Marchant, N., Verstynen, T., Diedrichsen, J., & Ivry, R. B. (2005). Selection of action: Can transcranial magnetic stimulation bias hand choice in reaching? Poster presented at the annual meeting of the *Society for Neuroscience*, November 12-16, Washington, D.C.
- [59] Konkle, T., Verstynen, T. D., & Ivry, R. B. (2004). Response variability in a rhythmic tapping task during sub- and suprathreshold TMS over motor cortex. Poster presented at the annual meeting of the *Society for Neuroscience*, October 23-27, San Diego, CA.
- [60] Verstynen, T. D., Stinear, C. M., Konkle, T., Ivry, R. B., & Byblow, W. (2004). Asymmetries in motor cortex inhibition during bimanual isometric muscle activation. Poster presented at the annual meeting of the *Society for Neuroscience*, October 23-27, San Diego, CA.
- [61] Konkle, T., Jiang, N., Zhang, J., Gurel, F., Scheper, C., & Craciun, G. (2004). Image segmentation using neural oscillators. Technical Report No. 26. The Ohio State University: *Mathematical Biosciences Institute Technical Report Series*. Online.
- [62] Konkle, T., Verstynen, T. D., Diedrichsen, J., & Ivry, R. B. (2003). Sources of increased timing variability following TMS over motor cortex. Poster presented at the annual meeting of the *Society for Neuroscience*, November 8-12, New Orleans, LA.

Invited Talks

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|---|---------------|
| Visual Search and Selective Attention Conference | 2018 July |
| Columbia University | 2018 March |
| Harvard Brain Initiative / Mind, Brain, Behavior Neuroscience Symposium | 2018 March |
| University of Pennsylvania | 2018 March |
| Yale University | 2018 February |
| Stony Brook University | 2016 July |
| University of Western Ontario, Canada | 2016 March |
| University of Cambridge, UK | 2015 July |
| Johns Hopkins University | 2015 Feb |
| Stanford University | 2015 Jan |
| Harvard University – Visual Attention Lab Seminar | 2014 Oct |
| NeuroCog Collective Conference on Levels of Analysis, Australia | 2014 June |
| Harvard University | 2014 March |
| Harvard University - Cognition Brain & Behavior Seminar Series | 2012 March |
| NeuroCog Collective Conference on Representation, Costa Rica | 2012 Jan |
| Harvard University - Graphics, Vision, and Interaction Seminar | 2009 March |
| University of Liege, Belgium | 2008 Aug |

Scholarly Awards & Honors

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| APS Rising Star Award | 2017 |
| JEP:General Division 3 New Investigator Award | 2013 |
| Walle Nauta Award for Continuing Dedication to Teaching | 2010 |
| Angus MacDonald Award for Excellence in Undergraduate Teaching | 2008 |
| Cognitive Science Departmental Citation, University of California Berkeley | 2004 |
| National Merit Scholar | 2000-2004 |
| Robert C. Byrd Scholarship | 2000-2004 |

Teaching

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|---|-------------------|
| Brain Science for World Leaders (Harvard, Psych 1301) | Spring 2016 |
| Current Topics in Vision and Sensory Processes (Harvard, Psych 3360) | Fall 2015-current |
| Lab on Cognitive and Neural Organization (Harvard, Psych 2355) | Fall 2015-current |
| MatLab for Brain and Cognitive Scientists (MIT 1-week course) | 2007, 2008, 2009 |
| Introduction to Neuroanatomy, with Sheep Brain Dissections (MIT 1-day course) | 2006-2009 |

Advising

Graduate Students

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|----------------|-------|
| Caterina Magri | 2017- |
| Daniel Janini | 2016- |
| Emilie Josephs | 2015- |
| Leyla Tarhan | 2015- |

Post-doctoral Fellows

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| Chen Ping Yu | 2016-2017 |
| Xiuye Chen | 2016-2017 |
| Rocco Chiou | 2017-2018 |

Ph.D. Thesis Committees

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|---|---------------------------|
| Roger Strong, Harvard University | <i>expected Fall 2019</i> |
| Ruosi Wang, Harvard University | <i>expected Fall 2018</i> |
| Mark Thornton, Harvard University | <i>Spring 2017</i> |
| Bria Long, Harvard University | <i>Spring 2017</i> |
| Chen Ping Yu, Stony Brook University (Computer Science, Outside Examiner) | <i>Summer 2016</i> |
| Alex Walther, Cambridge University (Outside Examiner) | <i>Summer 2015</i> |

Grants

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|---|-------------|
| MBB Faculty Research Award (\$15,000) | 2016 |
| Star Family Challenge Grant (\$100,000) | 2016 |
| Ruth L. Kirschstein Post-doctoral National Research Service Award | 2013-2016 |
| Concepts Actions Objects Symposium Travel Grant Award | 2011 |
| MIT Health Science and Technology Catalyst fund (50 fMRI hours) | 2008 |
| International Multisensory Research Forum Travel Award | 2009 |
| European Conference for Visual Perception Travel Award | 2008 |
| Cognitive Science Society Travel Award | 2007 |
| National Defense Science and Engineering Graduate Fellowship | 2006 - 2009 |
| National Science Foundation Scholarship | 2006 - 2010 |

Service

Department Committees

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|---|-----------|
| Cognition, Brain, & Behavior Seminar Organizer, Harvard | 2016- |
| Harvard Psychology Departmental Colloquium Committee | 2015- |
| Faculty Interest Group on Representation, Organizing Committee, Harvard | 2013-2014 |

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|---|-----------|
| Cognitive Job Search Committee, Massachusetts Institute of Technology | 2009-2010 |
| Chair of Interview Weekend Committee, Massachusetts Institute of Technology | 2007-2009 |
| Interview Weekend Committee member, Massachusetts Institute of Technology | 2006-2007 |

Outreach and Activities

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| Center for Brains, Minds and Machines Panelist Discussion, MIT Panel member, discussing “Deep networks, the brain and AI” | October 2017 |
| Women In Neuroscience Group Meeting, University of Western Ontario Met with a group of graduate students to discuss being a woman in this profession. | July 2016 |
| NSF Center for Brains, Minds and Machines (CBMM) Summer Seminar Series Presented a lecture in this talk series, whose aim is to attract women and minorities into the field of brain science and the study of intelligence. | July 2015 |
| “Taking the next steps as a woman in neuroscience” Panelist Organized by the Women in Neuroscience committee, Harvard University | March 2015 |
| Co-Organizer of the Prehistory of the Brain Collective Sponsored by the Mind, Brain, & Behavior Initiative, Harvard University | 2013-2014 |

Peer Review

Ad Hoc Reviewer – Psychology:

Acta Psychologica; Attention, Perception, & Performance; Behavior Research Methods; Cognition; Cognitive Science Society; Experimental Psychology; Frontiers in Perception Science; iPerception; Journal of Experimental Psychology: General; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Motor Behavior; Journal of Vision; Memory & Cognition; Perception; Psychological Science; Psychonomic Bulletin & Review; PlosOne; Visual Cognition

Ad Hoc Reviewer – Neuroscience:

Brain Topography; Cerebral Cortex; European Journal of Neuroscience; Experimental Brain Research; Journal of Cognitive Neuroscience; Journal of Neuroscience; Journal of Neurophysiology; Nature; Nature Communications; Neuron; Neuropsychologia

Ad Hoc Reviewer – Other:

Vision Sciences Society, Cognitive Computational Neuroscience Conference