

# Talia Konkle

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Cambridge, MA 02138

## Academic Appointments

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

## Education

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

### Publications

- [1] Long, B. & Konkle, T. (2017). A familiar-size Stroop Effect in the absence of basic-level recognition. *Cognition*. 168, 234-242.
- [2] 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.
- [3] Konkle, T., & Caramazza, A. (2016). The large-scale organization of object-responsive cortex is reflected in resting-state network architecture. *Cerebral Cortex*. 1-13.
- [4] 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.
- [5] 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.
- [6] 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.
- [7] 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*.

- [8] Konkle, T., & Caramazza, A. (2013). Tripartite Organization of Object Responses by Animacy and Real-World Size. *Journal of Neuroscience*, 33 (25), 10235-42.
- [9] 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.
- [10] 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.
- [11] Konkle, T., & Oliva, A. (2012). A real-world size organization of object responses in occipito-temporal cortex. *Neuron*. 74(6), 1114-24.
- [12] 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.
- [13] Konkle, T. & Oliva, A. (2011). Canonical visual size for real-world objects. *Journal of Experimental Psychology: Human Perception and Performance*. 37(1):23-37.
- [14] 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.
- [15] 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.
- [16] 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.
- [17] 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.
- [18] 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.
- [19] 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.
- [20] Konkle, T. & Moore, C. I. (2009). What can crossmodal aftereffects reveal about neural representation and dynamics? *Communicative and Integrative Biology*, 2(6), 479-481.
- [21] Konkle, T., Wang, Q., Hayward, V., & Moore, C. I. (2009). Motion Aftereffects Transfer Between Touch and Vision. *Current Biology*, 19, 745-750.
- [22] 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.
- [23] 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.

- [24] 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.
- [25] 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 29<sup>th</sup> Annual Cognitive Science Society*, (pp. 407-413), Austin, TX: Cognitive Science Society.
- [26] 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.
- [27] 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.
- [28] 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. & 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.
- [2] 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.
- [3] 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.
- [4] 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

- [5] 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.
- [6] 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.
- [7] 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

- [8] 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.
- [9] 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.
- [10] 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.

- [11] 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.
- [12] 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.
- [13] 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

- [14] 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.
- [15] 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.
- [16] 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

- [17] 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.
- [18] 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.
- [19] 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

- [20] 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.
- [21] 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.
- [22] 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.
- [23] 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

- [24] 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.
- [25] 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.
- [26] 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.
- [27] 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.

- [28] 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.
- [29] 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

- [30] 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.
- [31] 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.
- [32] 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.
- [33] 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

- [34] Konkle, T., & Oliva, A. (2009). Reconstructive Memory Biases for Object and Scene Views. Poster presented at the 50<sup>th</sup> annual meeting of the *Psychonomic Society*, November 19-21, Boston, MA.
- [35] Oliva, A., Brady, T. F., Konkle, T., Alvarez, G. A., (2009). Remembering thousands of images with high fidelity. Talk presented at the 50<sup>th</sup> annual meeting of the *Psychonomic Society*, November 19-21, Boston, MA.
- [36] 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.
- [37] 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.
- [38] 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.
- [39] 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.
- [40] 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.
- [41] 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.
- [42] 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

- [43] 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.

- [44] 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.
- [45] 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.
- [46] 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.
- [47] 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.
- [48] 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.
- [49] 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

- [50] 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.
- [51] 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 *8<sup>th</sup> International Multisensory Research Forum*, July 5-7, Sydney, Australia.
- [52] 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

- [53] 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.
- [54] 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.
- [55] 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

- [56] 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.
- [57] 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.
- [58] 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.
- [59] 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.

- [60] 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***

Stony Brook University “Seeing without Recognizing”	2016 July
University of Western Ontario, Canada “Carving Object Representation at it’s (Multi-Level) Joints”	2016 March
University of Cambridge, UK “Carving Object Representation at it’s (Multi-Level) Joints”	2015 July
Johns Hopkins University “Carving Object Representation at it’s (Multi-Level) Joints”	2015 Feb
Stanford University “The Large-Scale Organization of Object Representation” “A Ubiquitous Representational Structure Across High-Level Visual Cortex”	2015 Jan
Harvard University – Visual Attention Lab Seminar “Exploring Object Representation from Low-Level to High-Level Features”	2014 Oct
NeuroCog Collective Conference on Levels of Analysis, Australia “Carving Object Representation at it’s (Multi-Level) Joints”	2014 June
Harvard University “The Large-Scale Organization of Object Representation”	2014 March
Harvard University - Cognition Brain & Behavior Seminar Series “Object Topography in Occipito-Temporal Cortex”	2012 March
NeuroCog Collective Conference on Representation, Costa Rica “Object Topography in Occipito-Temporal Cortex”	2012 Jan
Harvard University - Graphics, Vision, and Interaction Seminar “The role of conceptual knowledge in memory capacity and perceptual preferences”	2009 March
University of Liege, Belgium “Visual long-term memory has a massive capacity for object details”	2008 Aug

### ***Scholarly Awards & Honors***

APS Rising Star Award	2017
JEP:General Division 3 New Investigator Award	2013
Cognitive Science Departmental Citation, University of California Berkeley	2004
National Merit Scholar	2000-2004
Robert C. Byrd Scholarship	2000-2004

### **Teaching**

**Instructor**

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 1 week course taught to MIT undergraduates (taught 2x each year)	2007, 2008, 2009
Introduction to Neuroanatomy, with Sheep Brain Dissections 1 day course for high-school students	2006-2009

**Guest Lectures**

“Visual cognition applied to the visual display of quantitative information” Information Visualization Course, Harvard University Lab Course in Visual Cognition, MIT	2010 Feb 2008 Dec
“How to give a presentation on scientific research” Lab Course in Visual Cognition, MIT Lab Course in Visual Cognition, MIT Research Methods Course, Harvard University Lab Course in High Level Cognition, MIT Lab Course in High Level Cognition, MIT	2010 Sept 2009 Sept 2009 April 2009 Feb 2008 Feb
“Introduction to data analysis” Lab Course in Visual Cognition, MIT	2010 Feb
“Topography Lectures: Large-Scale Organization of Object Knowledge” (2-part series) Seminar on Actions, Objects, and Concepts, Harvard University	2012 Sept

**Teaching Awards**

Walle Nauta Award for Continuing Dedication to Teaching	2010
Angus MacDonald Award for Excellence in Undergraduate Teaching	2008

**Advising****Graduate Students**

Daniel Janini (Primary Advisor)	2016-
Emilie Josephs (Primary Advisor)	2015-
Leyla Tarhan (Primary Advisor)	2015-
Caterina Magri (Supporting Advisor)	2014-
Bria Long (Supporting Advisor, Dissertation committee member)	2013-2017

**Post-doctoral Fellows**

Chen Ping Yu	2016-2017
Xiuye Chen	2016-2017



*Ph.D. Thesis Committees*

Ruossi Wang, Harvard University	<i>expected Spring 2018</i>
Mark Thornton, Harvard University	<i>May 2017</i>
Bria Long, Harvard University	<i>April 2017</i>
Chen Ping Yu, Stony Brook University (Computer Science, Outside Examiner)	<i>August 2016</i>
Alex Walther, Cambridge University (Outside Examiner)	<i>July 2015</i>

**Grants**

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*

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

Women In Neuroscience Group Meeting, University of Western Ontario Met with a group of graduate students to discuss being a woman in this profession.	<i>July 2016</i>
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.	<i>July 2015</i>
“Taking the next steps as a woman in neuroscience” Panelist Organized by the Women in Neuroscience committee, Harvard University	<i>March 2015</i>
Co-Organizer of the Prehistory of the Brain Collective Sponsored by the Mind, Brain, & Behavior Initiative, Harvard University	<i>2013-2014</i>

*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