CURRICULUM VITAE
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Marvin M. Chun

Personal Data

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Degrees and Education

1985-1989 Yonsei University, Seoul, Korea
B.A. in Psychology

1987-1988 University of California, Berkeley, CA
Junior year abroad in the Department of Psychology

1989-1990 Yonsei University, Seoul, Korea
M.A. program in the Perception and Cognition Group, Psychology
Research advisor : Dr. Chan-sup Chung

1990-1994 Massachusetts Institute of Technology, Cambridge, MA
Ph.D. in Cognitive Science, Dept. of Brain and Cognitive Sciences
Dissertation advisor : Dr. Mary C. Potter

Appointments

1994-1996 Harvard University
NIH Postdoctoral Fellow, Vision Sciences Laboratory
Department of Psychology
Research advisor : Dr. Patrick Cavanagh

1996-1999 Yale University
Assistant Professor
Department of Psychology and Interdepartmental Neuroscience Program

1999-2003 Vanderbilt University
Associate Professor, Department of Psychology, Vanderbilt Vision Research Center, and Center for Integrative and Cognitive Neuroscience.

2003- Yale University
Professor, Department of Psychology
Joint appointments in the Yale School of Medicine Neurobiology Department, Yale Graduate School Interdepartmental Neuroscience Program, and Yale College Cognitive Science Program
Kavli Institute for Neuroscience at Yale University Member (starting 2009)

2007-2016 Yale University
John B. Madden Master of Berkeley College

2014- Yale University
Richard M. Colgate Professor of Psychology

2017-2022 Yale University
Dean of Yale College

Awards and Fellowships

1989 Korea Foundation for Advanced Studies Fellowship (offered but unused)

1992 Angus MacDonald Teaching Award
Department of Brain and Cognitive Sciences, MIT

1994-1996 National Research Service Award (Sponsor: Dr. Patrick Cavanagh)
National Institutes of Health, National Eye Institute

1998 American Psychological Association Division of Experimental Psychology 1998 New Investigator Award for the *Journal of Experimental Psychology: Human Perception and Performance*.

2000 Chase Memorial [Young Investigator] Award, Department of Psychology, Carnegie Mellon University

2002 American Psychological Association Distinguished Scientific Award for Early Career Contribution to Psychology in the area of Cognition and Learning.

2005 Fellow, American Psychological Association

2006 Troland Research Award, National Academy of Sciences

2007 William Clyde DeVane Award for Teaching and Scholarship, Phi Beta Kappa, Yale College

2010 Lex Hixon Prize for Teaching Excellence in the Social Sciences, Yale University

2014 Elder Award, Yale Asian American Cultural Center

2014 Honorary Member of Phi Beta Kappa, Yale College

2015 Fellow, Society of Experimental Psychologists

2019 Samsung Ho-Am Prize in Science, Ho-Am Foundation

2022 Most Promising New Textbook Award (for *Cognition* by Marvin M. Chun and Steven B. Most), Textbook and Academic Authors Association

2024 Mory's Cup (for conspicuous service to Yale)

Research Grants

1996-1998 Yale University Social Science Faculty Development Award ($2,500)

1999-2002 National Science Foundation Research Grant (BCS-0096178)
Title : Context and learning in visual processing
PI: Chun
Total Amount: $224, 859

2000-2002 National Science Foundation Major Research Instrumentation Grant (0079779)
Acquisition of Instrumentation for Cognitive Neuroscience Brain Imaging
PI: R. Blake, Co-investigator: Chun
Total amount: $234,772

2001-2004 National Science Foundation Research Grant (BCS-0094992)
Title : Attentional limits to visual perception
PI: René Marois, Co-Investigator: Chun
Total Amount : $455,218

2001-2003 Vanderbilt University Intramural Discovery Grant
Title: Neuroimaging investigations of attention and learning mechanisms in the human brain
PI: Chun
Total Amount: $50,000

2003-2007 National Institutes of Health Research Grant (EY014193)
Title: Attention and neural plasticity in human vision
PI: Chun
Total Amount: $1,050,900

2005-2008 National Science Foundation Research Grant (BCS- 0518138)
Title: The neural representation of object part configuration
PI: Yaoda Xu, Co-investigator: Chun
Total Amount: $494,986

2007-2010 National Science Foundation Research Grant (BCS-0719975)
Title: The role of the parietal cortex in visual object grouping and feature binding
PI: Yaoda Xu, Co-investigator: Chun
Total Amount: $525,000

2007-2012 National Institutes of Health Research Grant (EY014193)
Title: Attention and neural plasticity in human vision
PI: Chun
Total Amount: $2,067,708

2016-2019 National Science Foundation Research Grant (BCS 1558497)
Whole Brain Functional Connectivity Measures of Attention
PI: Chun
Total Amount: $492,000

2016-2020 National Institutes of Health Research Grant (MH 108591)
Whole Brain Functional Connectivity Measures of Attention
PI Chun
Total Amount: $1,675,000

NIH National Research Service Award Mentor for:
Dr. Marc Coutanche, Dr. Brice Kuhl, Julie Golomb, Dr. Andrew Leber, Dr. Geoff Woodman, Dr. Steve Most.

National Science Foundation Graduate Fellowship Mentor for:
Emily Ward, Monica Rosenberg, Thomas O'Connell, Julie Golomb

Research Interests

Cognitive Neuroscience of Cognition, Attention, Memory, and Perception
Methods include functional Magnetic Resonance Imaging (fMRI), Neuropsychological Patient work, and Event-Related Potentials (ERP)

Publications: Books

Most, S., & Chun, M.M. (2021). Cognitive Psychology. Oxford University Press.

Publications: Refereed Journals

Citation Count: 42,900+ (*Google Scholar*); H index = 86 (*Google Scholar*)
Papers with over 100+ Google Scholar citations (*), 500+ citations (**), 1000+ citations (***)

***Chun, M. M., & Potter, M. C. (1995). A two-stage model for multiple target detection in rapid serial visual presentation. *Journal of Experimental Psychology : Human Perception and Performance, 21,* 109-127. PubMed ID: 7707027

**Chun, M. M., & Wolfe, J. M. (1996). Just say no : How are visual search trials terminated when there is no target present?. *Cognitive Psychology, 30*, 39-78. PubMed ID: 8635311

*Kanwisher, N., Chun, M. M., McDermott, J., & Ledden, P. (1996). Functional imaging of human visual recognition. *Cognitive Brain Research, 5*, 55-67. PubMed ID: 9049071

*Chun, M. M. (1997). Types and tokens in visual processing: A double dissociation between the attentional blink and repetition blindness. *Journal of Experimental Psychology: Human Perception and Performance, 23*, 738-755 PubMed ID: 9180042

*Chun, M. M. (1997). Temporal binding errors are redistributed by the attentional blink. *Perception & Psychophysics, 59*, 1191-1199. PubMed ID: 9401454.

Chun, M. M., & Cavanagh, P. (1997). Seeing two as one: Linking apparent motion and repetition blindness. *Psychological Science, 8*, 74-79. doi: 10.1111/j.1467-9280.1997.tb00686.x

**Joseph, J. S., Chun, M. M., & Nakayama, K. (1997, June 19). Attentional requirements in a "preattentive" feature search task. *Nature, 387,* 805-808. PubMed ID*:* 9194560

***Kanwisher, N., McDermott, J., & Chun, M. M. (1997). The fusiform face area: A module in human extrastriate cortex specialized for face perception. *Journal of Neuroscience, 17*, 4302-4311. PubMed ID: 9151747

***Chun, M. M., & Jiang, Y. (1998). Contextual cueing: Implicit learning and memory for visual context guides spatial attention. *Cognitive Psychology, 36*, 28-71. PubMed ID: 9679076

Joseph, J. S., Chun, M. M., & Nakayama, K. (1998, June 4). Vision and attention: the role of training -- Reply. *Nature, 393*, 425. PubMed ID: 9623997

*Potter, M. C., Chun, M. M., Banks, B, & Muckenhoupt, M. (1998). Two attentional deficits in serial target search: The visual attentional blink and an amodal task-switch deficit. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 24*, 979-992. PubMed ID: 9699304

**Chun, M. M., & Jiang, Y. (1999). Top-down attentional guidance based on implicit learning of visual covariation. *Psychological Science, 10*, 360-365. doi: 10.1111/1467-9280.00168

**Chun, M. M., & Phelps, E. A. (1999). Memory deficits for implicit contextual information in amnesic patients with hippocampal damage. *Nature Neuroscience, 2*, 844-847. PubMed ID: 10461225. [News and Views by Eichenbaum (1999); Featured in *Science*]

**Chun, M. M. (2000). Contextual cueing of visual attention. *Trends in Cognitive Sciences, 4*, 170-*178.* PubMed ID: 10782102

*Chun, M. M., & Nakayama, K. (2000). On the functional role of implicit visual memory for the adaptive deployment of attention across views. *Visual Cognition, 7*, 65-81. doi:10.1080/135062800394685

**Jiang, Y., Olson, I. R., Chun, M. M. (2000). Organization of visual short-term memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 26,* 683-702. PubMed ID: 10855426

*Marois, R., Chun, M. M., & Gore, J. (2000). Neural correlates of the attentional blink. *Neuron, 28*, 299-308. PubMed ID: 11087002

Jiang, Y., & Chun, M. M. (2001). The influence of temporal selection on spatial selection and distractor interference: An attentional blink study. *Journal of Experimental Psychology: Human Perception & Performance, 27,* 664-679. PubMed ID: 11424653

Jiang, Y., & Chun, M. M. (2001). Asymmetric object substitution masking. *Journal of Experimental Psychology: Human Perception & Performance, 27,* 895-918. [Jiang received an APA Division 3 New Investigator Award for this publication] PubMed ID: 11518152

*Jiang, Y., & Chun, M. M. (2001). Selective attention modulates implicit learning. *Quarterly Journal of Experimental Psychology, 54A*, 1105-1124. PubMed ID: 11765735

Jiang, Y., & Chun, M. M. (2001). The spatial gradient of visual masking by object substitution. *Vision Research, 41,* 3121-3131. PubMed ID: 11711138

*Lee, D., & Chun, M. M. (2001). What are the units of visual short-term memory: Objects or spatial locations? *Perception & Psychophysics, 63*, 253-257. PubMed ID: 11281100

*Olson, I. R., Chun, M. M., & Allison, T. (2001). Contextual guidance of attention: Human intracranial event-related potential evidence for feedback modulation in anatomically early, temporally late stages of visual processing. *Brain, 124*, 1417-1425. PubMed ID: 11408336

Olson, I. R., Chun, M. M., & Anderson, A. K. (2001). Effects of phonological length on the attentional blink. *Journal of Experimental Psychology: Human Perception & Performance, 27,* 1116-1123. PubMed ID: 11642698

*Olson, I. R., & Chun, M. M. (2001). Temporal contextual cueing of visual attention. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 27* 1299-1313. PubMed ID: 11550756

Aslin, C., Blake, R., & Chun, M. M. (2002). Perceptual learning of temporal structure. *Vision Research, 42*, 3019-3030. PubMed ID: 12480072

Jiang, Y., Chun, M. M., & Marks, L. E. (2002). Visual marking: Dissociating effects of new and old set size. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 28*, 293-302. PubMed ID: 11911385

*Jiang, Y., Chun, M. M., & Marks, L. E. (2002). Visual marking: Selective attention to asynchronous temporal groups. *Journal of Experimental Psychology: Human Perception & Performance, 28*, 717-730. PubMed ID: 12075898

Olson, I. R., & Chun, M. M. (2002). Perceptual constraints on implicit learning of spatial context. *Visual Cognition, 9*, 273-302. DOI: 10.1080/13506280042000162

*Kelley, T. A., Chun, M. M., & Chua, K. –P. (2003). Effects of scene inversion on change detection of targets matched for visual salience. *Journal of Vision, 3(1).* 1-5. PubMed ID: 12678620

*Chua, K. -P., & Chun, M. M. (2003). Implicit spatial learning is viewpoint-dependent. *Perception & Psychophysics, 65*, 72-80. PubMed ID: 12699310

*Chun, M. M., & Jiang, Y. (2003). Implicit, long-term spatial context memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition, 29*, 224-234. PubMed ID: 12696811

Yi, D.-J., Kim, M.-S., & Chun, M. M. (2003). Inhibition of return to occluded objects. *Perception & Psychophysics, 65,* 1222-1230. PubMed ID: 14710957

*Marois, R., Yi. D.-J., & Chun, M. M. (2004). The neural fate of consciously perceived and missed events in the attentional blink. *Neuron, 41*, 465-472. PubMed ID: 14766184

*Jiang, Y., Chun, M. M., Olson, I. R. (2004). Perceptual grouping in change detection. *Perception & Psychophysics, 66,* 446-453. PubMed ID: 15283069

*Yi, D.-J., Woodman, G.F., Widders, D.M., Marois, R., & Chun, M. M. (2004). The neural fate of ignored visual events: Dissociable effects of perceptual load and working memory load. *Nature Neuroscience, 7*, 992-996. PubMed ID: 15286791

Marois, R., Chun, M.M., & Gore, J. (2004). A common parieto-frontal network is recruited under both perceptual visibility and perceptual interference conditions. *Journal of Neurophysiology, 92,* 2985-2992. PubMed ID: 15486425

*Yi, D.-J., & Chun, M. M. (2005). Attentional modulation of repetition suppression effects in parahippocampal cortex. *Journal of Neuroscience, 25,* 3593-3600. PubMed ID: 15814790

Marois, R., Larson, J. M., Chun, M.M., & Shima, D. (2005). Response-specific sources of dual-task interference in human pre-motor cortex. *Psychological Research, 11*, 1-12. PubMed ID: 16283409

Kim., S.-Y., Kim, M.-S. & Chun, M. M. (2005). Concurrent working memory load can reduce distraction. *Proceedings of the National Academy of Sciences, USA, 102,* 16524-9. PMCID: PMC1283430.

**Most, S. B., Chun, M. M., Widders, D., & Zald, D. (2005). Attentional rubbernecking: Cognitive control and personality in emotion-induced blindness. *Psychonomic Bulletin & Review, 12,* 654-661. PubMed ID: 16447378. [Featured in the New York Times Year in Ideas].

*Nieuwenstein, M. R., Chun, M. M., van der Lubbe, R. H. J., & Hooge, I. T. C. (2005). Delayed attentional engagement in the attentional blink. *Journal of Experimental Psychology: Human Perception & Performance, 31,* 1463-1475. PubMed ID: 16366802

*Sladen, D.P., Tharpe, A.M., Ashmead, D.H., Grantham, D.W., & Chun, M.M. (2005). Visual attention in deaf and normal hearing adults: Effects of stimulus compatibility. *Journal of Speech, Language and Hearing Research, 48,* 1529-1537. PubMed ID: 16478388

***Xu, Y., & Chun, M. M. (2006). Dissociable neural mechanisms supporting visual short-term memory for objects. *Nature, 440,* 91-95. PubMed ID: 16382240

Yi., D.-J., Olson, I.R., & Chun, M. M. (2006). Shape-specific perceptual learning in a figure-ground segregation task. *Vision Research,* 46, 914-924. PubMed ID: 16242752

*Most, S. B., Chun, M. M., Johnson, M. R., & Kiehl, K. A. (2006). Attentional modulation of the amygdala varies with personality. *Neuroimage, 31,* 934-944. PubMed ID: 16492400

*Yi., D.-J., Kelley, T.A., Marois, R., & Chun, M. M. (2006). Attentional modulation of repetition attenuation is anatomically dissociable for scenes and faces. *Brain Research, 1080,* 53-62. PubMed ID: 16507300

*Turk-Browne, N.B., Yi., D.-J., & Chun, M. M.. (2006). Interactions between explicit and implicit memory: Linking neural attenuation, priming, and subsequent memory. *Neuron, 49,* 917-927. PubMed ID: 16543138. [Preview by Dudukovic and Wagner; Featured as a cover illustration].

*Woodman, G.F., & Chun, M. M. (2006). The role of working memory and long-term memory in visual search. *Visual Cognition, 14,* 808-830. DOI: 10.1080/13506280500197397

Turk-Browne, N.B., Yi, D.-J., Leber, A., & Chun, M.M. (2007). Visual quality determines the direction of neural repetition effects. *Cerebral Cortex, 17,* 425-433. PubMed ID: 16565294

*Park, S.-J., Intraub, H., Widders, D., Yi, D.-J., & Chun, M.M. (2007). Beyond the edges of a view: boundary extension in human scene-selective visual cortex. *Neuron, 54,* 335-342. PubMed ID: 17442252

Junge, J., Scholl, B.J., & Chun, M.M. (2007). How is spatial context learning integrated over signal versus noise? A primacy effect in contextual cueing. *Visual Cognition, 15,* 1-11. PMCID: PMC2519016

Xu, Y., Turk-Browne, N.B., & Chun, M.M. (2007). Dissociating task performance from fMRI repetition attenuation in ventral visual cortex. *Journal of Neuroscience, 27*, 5981-5985. PubMed ID: 17537969

*Park, S.-J., Kim, M.-S., & Chun, M.M. (2007). Concurrent working memory load can facilitate selective attention: Evidence for specialized load. *Journal of Experimental Psychology: Human Perception & Performance, 33,* 1062-1075. PubMed ID: 17924807

*Brady, T.F., & Chun, M.M. (2007). Spatial constraints on learning in visual search: Modeling contextual cuing. *Journal of Experimental Psychology: Human Perception & Performance, 33,* 798-815. PubMed ID: 17683229

*Xu, Y., & Chun, M.M. (2007). Visual grouping in human parietal cortex. *Proceedings of the National Academy of Sciences of the United States of America, 104,* 18766-18771. PMCID: PMC2141851.

Yi, D.-J., Turk-Browne, N.B., Chun, M.M., & Johnson, M.K. (2008). When a thought equals a look: Refreshing enhances perceptual memory. *Journal of Cognitive Neuroscience, 20,* 1371-1380. PubMed ID: 18303973

Yi, D.J., Turk-Browne, N.B., Flombaum, J.I., Scholl, B.J., & Chun, M.M. (2008). Spatiotemporal object continuity in human ventral visual cortex. *Proceedings of the National Academy of Sciences of the United States of America, 105,* 8840-5. PMCID: PMC2442124.

*Leber, A.B., Turk-Browne, N.B., & Chun, M.M. (2008). Neural predictors of moment-to-moment fluctuations in cognitive flexibility. *Proceedings of the National Academy of Sciences of the United States of America, 105*, 13592-7. PMCID: PMC2527350.

*Golomb, J.D., Chun, M.M., & Mazer, J.A. (2008). The native coordinate system of spatial attention is retinotopic. *Journal of Neuroscience, 28*, 10654-62. PMCID: PMC2601623.

*Luhmann, C.C., Chun, M.M., Yi, D.-J., Lee, D., & Wang, X.-J. (2008). Neural dissociation of delay and uncertainty in inter-temporal choice. *Journal of Neuroscience, 28*, 14459-14466. PMCID: PMC2742332.

*Turk-Browne, N.B., Scholl, B.J., & Chun, M.M. (2008). Babies and Brains: Habituation in infant cognition and functional neuroimaging. *Frontiers in Neuroscience,* 2:16. PubMed PMCID: PMC2605404.

**Turk-Browne, N.B., Scholl, B.J., Chun, M.M., & Johnson, M.K. (2009). Neural evidence of statistical learning: Efficient detection of visual regularities without awareness. *Journal of Cognitive Neuroscience, 21,* 1934-45. PubMed PMID: 18823241.

Junge, J., Brady, T.F., & Chun, M.M. (2009). The contents of perceptual hypotheses: Evidence from rapid resumption of interrupted search. *Attention, Perception, & Psychophysics, 71,* 681-689. PubMed PMID: 19429951.

*Xu., Y., & Chun, M.M. (2009). Selecting and perceiving multiple objects. *Trends in Cognitive Sciences, 13,* 167-74. PMC3213861.

*Park, S.-J., & Chun, M.M. (2009). Different roles of the parahippocampal place area (PPA) and retrosplenial cortex (RSC) in panoramic scene perception. *NeuroImage, 47,* 1747-56. PMC2924907.

Kim, J.J., Kim, M.-S., & Chun, M.M. (2010). Predictive spatial working memory content guides visual search. *Visual Cognition, 71,* 681-689. DOI: 10.1080/13506280902928860

*Golomb, J.D., McDavitt, J.R.B., Ruf, B.M., Chen, J.I., Saricicek, A., Maloney, K.H., Hu, J., Chun, M.M., & Bhagwagar, Z. (2009). Enhanced visual motion perception in major depressive disorder. *Journal of Neuroscience, 29,* 9072-9. PMCID: PMC2772577.

Golomb, J.D., Pulido, V.Z., Albrecht, A.R., Chun, M.M., & Mazer, J.A. (2010). Robustness of the retinotopic attentional trace after eye movements, *Journal of Vision*, 10(3):19, 1-12. PMC3213860.

Park, S.-J., Chun, M.M., & Johnson, M.K. (2010). Refreshing and integrating visual scenes in scene-selective cortex. *Journal of Cognitive Neuroscience, 12*, 2813-2822. PubMed PMID: 19929756. NIHMSID: 215734.

Golomb, J.D., Nguyen-Phuc, A.Y., Mazer, J.A.,, McCarthy, G., & Chun, M.M. (2010). Attentional facilitation throughout human visual cortex lingers in retinotopic coordinates after eye movements. *Journal of Neuroscience, 30,* 10493-10506. PMC2925081

*Turk-Browne, N.B., Scholl, B.J., Johnson, M.K., & Chun, M.M. (2010). Implicit perceptual anticipation triggered by statistical learning. *Journal of Neuroscience, 30,* 11177-11187. PMC2947492

Vickery, T.J., & Chun, M.M. (2010). Object-based warping: An illusory distortion of space within objects. *Psychological Science, 21*, 1759-1764. PubMed ID: 21068342

*Kuhl, B.A., Rissman, J., Chun, M.M., & Wagner, A.D. (2011). Fidelity of neural reactivation reveals competition between memories. *PNAS, 108,* 5903-8. PMC3078372.

Golomb, J.D., Marino, A.C., Chun, M.M., & Mazer, J.A. (2011). Attention doesn't slide: Spatiotopic updating after eye movements instantiates a new, discrete attentional locus. *Attention, Perception, & Psychophysics, 73,* 7-14. PMC3097429.

Golomb, J.D., Albrecht, A., Park, S., Chun, M.M. (2011). Eye movements help link different views in scene-selective cortex. *Cerebral Cortex, 21*, 2094-102. PMID: 21282320.

Shen, Y., & Chun, M.M. (2011). Increases in reward promote flexible behavior. *Attention, Perception & Psychophysics, 73*, 938-52. PMID: 21264699.

Norman-Haignere, S.V., McCarthy, G., Chun, M.M., & Turk-Browne, N.B. (2011). Category-selective background connectivity in ventral visual cortex, *Cerebral Cortex, 22,* 391-402, PMID 21670097.

*Vickery, T.J., Chun, M.M., Lee, D.Y. (2011). Ubiquity and specificity of reinforcement signals throughout the human brain, *Neuron, 72*, 166-77. PMID: 21982377. [Featured as cover illustration].

Korn, H., Johnson, M., & Chun, M.M. (2011). Neurolaw: Differential brain activity for black and white faces predicts damage awards in hypothetical employment discrimination cases. *Social Neuroscience, 7,* 398-409, PMID: 22059860.

Chun, M.M., & Johnson, M.K. (2011). Memory: Enduring traces of perceptual and reflective attention. *Neuron, 72*, 520-35. PMID: 22099456

*Kuhl, B.A., Bainbridge, W.A., & Chun, M.M. (2012). Neural reactivation reveals mechanisms for updating memory, *Journal of Neuroscience, 32,* 3453-61.

Albrecht, A.R., Scholl, B.J., & Chun, M.M. (2012). Perceptual averaging by eye and ear: Computing summary statistics from multimodal stimuli, *Attention, Perception, & Psychophysics, 74,* 810-815.

*Cohen, M.A., Cavanagh, P., Chun, M.M., & Nakayama, K. (2012). The attentional requirements of consciousness, *Trends in Cognitive Sciences, 16,* 411-417.

Turk-Browne, N.B., Golomb, J.D., Chun, M.M. (2013). Complementary attentional components of successful memory encoding. *Neuroimage, 66,* 553-562.

Moore, K., Yi, D.J., Chun, M.M. (2013). The effect of attention on repetition suppression and multivoxel pattern similarity. *Journal of Cognitive Neuroscience, 25,* 1305-1314.

*Ward, E.J., Chun, M.M., Kuhl, B.A. (2013). Repetition suppression and multi-voxel pattern similarity differentially track implicit and explicit visual memory. *Journal of Neuroscience, 33,* 14749-57.

Kuhl, B.A., Johnson, M.K., & Chun, M.M. (2013). Dissociable neural mechanisms for goal-directed versus incidental memory reactivation. *Journal of Neuroscience, 33,* 16099-16109.

Cartmell, S.C.D., Chun, M.M., & Vickery, T.J. (2014). Neural antecedents of social decision making in a partner choice task. *Social, Cognitive, and Affective Neuroscience, 9(11)*, 1722-9.

*Cowen, A.S., Chun, M.M., & Kuhl, B.A. (2014). Neural portraits of perception: Reconstructing face images from evoked brain activity. *Neuroimage, 94,* 12-22.
[Major media coverage includes WSJ, NPR, BBC, CNN, Wired, USA Today]

Kuhl, B. A., & Chun, M. M. (2014). Successful remembering elicits event-specific activity patterns in lateral parietal cortex. *Journal of Neuroscience, 34,* 8051-60.

Rosenberg, M.D., Finn, E.S., Constable, R.T., & Chun, M.M. (2015). Predicting moment-to-moment attentional state. *Neuroimage, 114,* 249-256.

Vickery, T. J., Kleinman, M. R., Chun, M. M., & Lee, D. (2015). Opponent identity influences value learning in simple games. *Journal of Neuroscience*, 35(31), 11133-11143.

***Finn, E.S., Shen, X., Scheinost, D., Rosenberg, M.D., Chun, M.M., Papademetris, X., & Constable, R.T. (2015). Functional connectome fingerprinting: Identification of individuals using patterns of brain connectivity. *Nature Neuroscience, 18,* 1664-1671.
[Major media coverage includes NBC, MSNBC, BBC, Newsweek, Scientific American, PBS, Wired, Discovery, The Scientist]

**Rosenberg, M.D., Finn, E.S., Scheinost, D., & Papademetris, X., Shen, X., Constable, R.T., & Chun, M.M. (2016). A neuromarker of sustained attention from whole-brain functional connectivity. *Nature Neuroscience, 19*, 165-171.
[*Nature Neuroscience* review commentary by Steve Smith; Major media coverage includes NPR, Science AAAS, Scientific American]

Ward E.J., & Chun, M.M. (2016). Neural discriminability of object features predicts perceptual organization. *Psychological Science, 27*, 3-11.

*Goldfarb, E., Chun, M.M., & Phelps, E.A. (2016). Memory guided attention: Independent contributions of the hippocampus and striatum. *Neuron, 89,* 317-324.

Lee, H., Chun, M.M., & Kuhl, B.A. (2016). Lower parietal encoding activation is associated with sharper information and better memory. *Cerebral Cortex, 27,* 2486-2499.

Ongchoco, J.D.K., Uddenberg, S., & Chun, M.M. (2016). Statistical learning of movement. *Psychonomic Bulletin & Review, 23,* 1913-1919.

Rosenberg, M. D., Zhang, S., Hsu, W., Scheinost, D., Finn, E. S., Shen, X., Constable, R. T., Li, C-S. R., & Chun, M. M. (2016). Methylphenidate modulates functional network connectivity to enhance attention. *Journal of Neuroscience, 36,* 9547-9557.

**Shen, X., Finn, E.S., Scheinost, D., Rosenberg, M.D., Chun, M.M., Papademetris, X., & Constable, R.T. (2017). Connectome-based predictive modeling: A framework to develop and test predictive models relating individual behavior to brain connectivity. *Nature Protocols, 12,* 506-518. PMCID: PMC5526681

*Rosenberg, M. D., Finn, E. S., Scheinost, D., Constable, R. T., & Chun, M. M. (2017). Characterizing attention with predictive network models. *Trends in Cognitive Sciences, 21*, 290-302.

*Yoo, K., Rosenberg, M.D., Hsu, W.-T, Zhang, S., Li, C.-S.R., Scheinost, D., Constable, R.T., & Chun, M.M. (2018). Connectome-based predictive modeling of attention:

Comparing different functional connectivity features and prediction methods across datasets. *Neuroimage, 167*, 11-22.

*Hsu, W.T., Rosenberg, M.D., Scheinost, D., Constable, R.T., & Chun, M.M. (2018). Resting-state functional connectivity predicts neuroticism and extraversion in novel individuals. *Social Cognitive and Affective Neuroscience*, 224-252. PMCID: PMC5827338

Lin, Q., Rosenberg, M.D., Yoo, K., Hsu, W.-T., O'Connell, T.P., & Chun, M.M. (2018). Resting-state functional connectivity predicts cognitive impairment related to Alzheimer's Disease. *Frontiers in Aging Neuroscience, 10*, 94.

Ward, E., Isik, L. & Chun, M.M. (2018). General transformations of object representations in human visual cortex, *Journal of Neuroscience, 38*, 8526-8537.

O'Connell, T., & Chun, M.M. (2018). Predicting eye movement patterns from fMRI responses to natural scenes. *Nature Communications, 9, 5159*.

*Fong, A.H.C., Yoo, K, Rosenberg, M.D., Zhang, S., Li, C.R., Scheinost, D., Constable, R.T., & Chun, M.M. (2019). Dynamic functional connectivity during task performance and rest predicts individual differences in attention across studies, *Neuroimage, 188*, 14-25. PMCID: PMC6401236

Michel, M., …, Chun, M.M.,… (2019). Opportunities and challenges for a maturing science of consciousness. *Nature Human Behavior, 3,* 104. PMCID: PMC6568255

Lake, E.M.R., Finn, E.S., Noble, S.M., Vanderwal, T., Shen, X., Rosenberg, M.D., Spann, M.N., Chun, M.M., Scheinost, D., & Constable, R.T. (2019). The functional brain organization of an individual allows prediction of measures of social abilities transdiagnostically in autism and attention-deficit/hyperactivity disorder. *Biological Psychiatry*. PMCID:PMC7211928

Kumar, S., Yoo, K, Rosenberg, M.D., Scheinost, D., Constable, R.T., Zhang, S., Li, C.R., & Chun, M.M. (2019). An Information Network Flow Approach for Measuring Functional Connectivity and Predicting Behavior. *Brain and Behavior, 9,* e01346. PMCID: PMC6710195

Yoo, K, Rosenberg, M.D., Noble, S., Scheinost, D., Constable, R.T., & Chun, M.M. (in press). Multivariate approaches improve the reliability and validity of functional connectivity and prediction of individual behaviors. *Neuroimage, 197,* 212-223.

Avery, E., Yoo, K, Rosenberg, M.D., Greene, A.S., Gao, S., Na, D.L., Scheinost, D., Constable, R.T., & Chun, M.M. (2020). Distributed patterns of functional connectivity predict working memory performance in novel healthy and memory-impaired individuals. *Journal of Cognitive Neuroscience, 32,* 241-255.

Rosenberg, M.D., Scheinost, D., Greene, A.S., Avery, E.W., Kwon, Y.H., Finn, E.S., Ramani, R., Qiu, M., Constable, R.T., Chun, M.M. (2020). Functional connectivity predicts changes in attention observed across minutes, days, and months. *Proceedings of the National Academy of Sciences, 117,* 3797-3807.

Scheinost, D., Hsu, T.W., Avery, E.W., Hampson, M., Constable, R.T., Chun, M.M., & Rosenberg, M.D. (2020). Connectome-based neurofeedback: A pilot study to improve sustained attention. *Neuroimage*.

Kumar, S., Ellis, C.T., O'Connell, T., Chun, M.M., & Turk-Browne, N.B. (2020). Searching through functional space reveals distributed visual, auditory, and semantic coding in the human brain. *PLOS Computational Biology*. PMCID: PMC7738169

Stark, G., Avery, E., Rosenberg, M. Greene, A., Gao, S., Scheinost, D., Constable, T., Chun, M.M., Yoo, K.S. (2021). Using functional connectivity models to characterize relationships between working and episodic memory. *Brain and Behavior, 11,* e02105.

Lin, Q., Yousif, S.R., Chun, M.M., & Scholl, B.J. (2021). Visual memorability in the absence of semantic content. *Cognition, 212*.

Lin, Q., Yoo, K.S., Shen, X., Constable, R.T., & Chun, M.M. (2021). Functional connectivity during encoding predicts individual differences in long-term memory. *Journal of Cognitive Neuroscience, 33,* 2279-2296.

Lin, Q., Yousif, S. R., Chun, M. M., & Scholl, B. J. (2021). Visual memorability in the absence of semantic content. *Cognition*, *212*.

Mocz, V., Vaziri-Pashkam, M., Chun, M., & Xu, Y. (2021). Predicting identity-preserving object transformations across the human ventral visual stream. *Journal of Neuroscience*, *41*(35).

Kwon, Y. H., Yoo, K., Nguyen, H., Jeong, Y., & Chun, M. M. (2021). Predicting multilingual effects on executive function and individual connectomes in children: An ABCD study. *Proceedings of the National Academy of Sciences of the United States of America*, *118*(49).

Yoo, K., Rosenberg, M. D., Kwon, Y. H., Lin, Q., Avery, E. W., Scheinost, D., Constable, R. T., & Chun, M. M. (2022). A brain-based general measure of attention. *Nature Human Behavior*, *6,* 782-795.

Yoo, K., Rosenberg, M.D., Kwon, Y.H., Scheinost, D., Constable, R.T., & Chun, M.M. (2022). A cognitive state transformation model for task-general and task-specific subsystems of the brain connectome. *Neuroimage*.

Tang, K., Chun, M.M., Xu, Y. (2022). The contribution of object identity and configuration to scene representation in convolutional neural networks. *PLOS One* 17, 6.

Mocz, V., Vaziri-Pashkam, M., Chun, M.M., & Xu, Y. (2022). Predicting identity-preserving object transformations in human posterior parietal cortex and convolutional neural networks. *Journal of Cognitive Neuroscience, 34,* 2406-2435.

Kardan O, Stier AJ, Cardenas-Iniguez C, Schertz KE, Pruin JC, Deng Y, Chamberlain, T., Meredith, W.J., Zhang, X., Bowman, J.E., Lakhtakia, T., Tindel, L., Avery, E.W., Lin, Q., Yoo, K., Chun, M.M., Berman, M.G., Rosenberg, M.D. (2022) Differences in the functional brain architecture of sustained attention and working memory in youth and adults. *PLoS Biol* 20(12): e3001938.

Ongchoco, J.D.K., Chun, M.M., & Bainbridge, W. (2023). What moves us? The intrinsic memorability of dance. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *49*(6), 889–899.

Corriveau, A., Yoo, K., Kwon, Y. H., Chun, M. M., & Rosenberg, M. D. (2023). Functional connectome stability and optimality are markers of cognitive performance. *Cerebral Cortex*, *33*(8).

Horien, C., Greene, A. S., Shen, X., Fortes, D., Brennan-Wydra, E., Banarjee, C., Foster, R., Donthireddy, V., Butler, M., Powell, K., Vernetti, A., Mandino, F., O'connor, D., Lake, E. M. R., Mcpartland, J. C., Volkmar, F. R., Chun, M., Chawarska, K., Rosenberg, M. D., … Constable, R. T. (2023). A generalizable connectome-based marker of in-scan sustained attention in neurodiverse youth. *Cerebral Cortex*, *33*(10).

Mocz, V., Jeong, S. K., Chun, M., & Xu, Y. (2023). Multiple visual objects are represented differently in the human brain and convolutional neural networks. *Scientific Reports*, *13*(1).

Publications: Invited

Wolfe, J. M., Chun, M. M., & Friedman-Hill, S. R. (1995). Making use of texton gradients. In T. Papathomas, C. Chubb, A. Gorea, & E. Kowler (Eds.), *Early vision and beyond* (pp. 189-198). Cambridge, MA: MIT Press.

Chun, M. M., & Potter, M. C. (2001). The attentional blink and task-switching. In K. Shapiro (Ed) *Temporal constraints on human information processing* (pp. 20-35). Oxford: Oxford University Press.

*Chun, M. M., & Wolfe, J. M. (2001). Visual Attention. In B. Goldstein (Ed.), *Blackwell Handbook of Perception* (pp. 272-310). Oxford, UK: Blackwell Publishers Ltd.

*Chun, M. M., & Marois, R. (2002). The dark side of visual attention. *Current Opinion in Neurobiology, 12,* 184-189. PubMed ID: 12015235

Jiang, Y., & Chun, M. M. (2003). Contextual cueing: reciprocal influences between attention and implicit learning. In L. Jimenez (Eds)., *Attention and Implicit Learning* (pp 277-296). John Benjamins Publishing Company.

Chun, M. M. (2003). Scene perception and memory. In D. Irwin and B. Ross (Eds.) *Psychology of Learning and Motivation: Advances in Research and Theory: Cognitive Vision, Vol. 42* (pp. 79-108). Academic Press, San Diego, CA. DOI: 10.1016/S0079-7421(03)01003-X

Chun, M. M. (2005). Drug-induced amnesia impairs implicit relational memory [commentary]. *Trends in Cognitive Sciences*, *9*, 355-357. PubMed ID: 16006177

*Chun, M. M., & Turk-Browne, N. B. (2007). Interactions between attention and memory. *Current Opinion in Neurobiology, 17*, 177-184. PubMed ID: 17379501

Chun, M. M., & Turk-Browne, N.B. (2007). Visual Associative Learning. Luck, S.J. & Hollingworth, A. (Eds.) Visual Memory, Oxford University Press.

**Chun, M.M., Golomb, J.D., Turk-Browne, N.B. (2011). A Taxonomy of External and Internal Attention. *Annual Review of Psychology, 62,* 73-101. PubMed ID: 19575619

*Chun, M.M. (2011). Visual working memory as visual attention sustained internally over time. *Neuropsychologia, 49,* 1407-9. PMID: 21295047.

Chun, M.M. (2012). Perceptual learning and memory in visual search. In J.M. Wolfe & L. Robertson (Eds.), *From perception to consciousness: Searching with Anne Triesman.* New York: Oxford University Press.

Long, N.M., Kuhl, B.A., & Chun, M.M. (2018). Memory and Attention. *Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience*.

Doctoral Dissertation

Chun, M. M. (1994). *Processing Deficits in RSVP : The Attentional Blink and Repetition Blindness.* Unpublished doctoral dissertation, Massachusetts Institute of Technology, Cambridge, MA.

Invited Talks

Oct.,1993	Vision Sciences Laboratory, Department of Psychology, Harvard University.
Mar., 1994	Cognitive Neuropsychology Lab, Department of Psychology, Dartmouth College.
Mar., 1995	Research Development Corporation of Japan (JRDC) Forum for Multi-disciplinary Researches: Dialogue between Cognitive Science and Neuroscience, Sapporo, Japan.
Jan., 1996	Department of Psychology, University of Louisville
Feb., 1996	Department of Psychology, University of Iowa
Feb., 1996	Department of Psychology, Yale University
Dec., 1996	Vision Group, Department of Cognitive and Linguistic Sciences, Brown University
Feb., 1997	Cognitive Group, Department of Psychology, Princeton University
Apr., 1997	Department of Computer Science, Yale University
Nov., 1997	Vision Sciences Laboratory, Department of Psychology, Harvard University.
May, 1998	Cognitive Group, Department of Psychology, Columbia University
Oct., 1998	Department of Psychology, University of Alberta
Oct., 1998	Perception Group, Department of Psychology, University of British Columbia
Oct., 1998	Memory Disorders Research Society Meeting, Cambridge, MA. (With E. A. Phelps).
Dec., 1998	Perception and Cognition Group, Department of Psychology, New York University
Feb., 1999	Department of Psychology, Stanford University

Feb., 1999	Functional Neuroimaging Group, Department of Radiology, Yale Medical School
Feb., 1999	Department of Psychology, Vanderbilt University
Feb., 1999	Department of Psychology, University of Chicago
Mar., 1999	Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology
May, 2000	Air Force Office of Scientific Research Human Attentional Processes Forum
Sep., 2000	Department of Psychology, Johns Hopkins University
Oct., 2000	William Chase Memorial Lecture, Dept. of Psychology, Carnegie Mellon University
Feb., 2001	Department of Brain and Cognitive Sciences, University of Rochester
May, 2001	Royal Netherlands Academy of Arts and Sciences, "The Control Of Cognitive Processes" Colloquium, Amsterdam, Netherlands
Oct., 2001	Department of Psychology, University of Illinois, Urbana-Champaign
Oct, 2001	fMRI Center, University of Michigan
Oct., 2001	Laboratory of Neuropsychology and Laboratory of Brain and Cognition, National Institute of Mental Health, National Institutes of Health
Nov., 2001	Keynote Speaker, Object Perception and Memory (OPAM) Annual Meeting, Orlando, Florida.
Dec., 2001	Department of Psychology, Carnegie Mellon University
Oct., 2002	Helmholtz Lecture, Helmholtz Institute and Utrecht University, Utrecht, The Netherlands
Nov.,2002	Department of Psychology, Yale University
Feb., 2003	Department of Psychology, Brandeis University
June, 2003	Munich Visual Search Symposium, Munich, Germany
Sept., 2003	Magnetic Resonance Research Center, Yale School of Medicine
Dec., 2003	Cognition, Brain, and Behavior Talk, Harvard University
Mar., 2004	Experimental Neuropsychology and Cognition Research Group, University of Montreal, Canada
Mar., 2004	Institute of Living, Hartford, CT
June, 2004	Massachusetts General Hospital Neuroimaging Center, Cambridge, MA
June, 2004	Center for Visual Science Symposium, University of Rochester
Sept., 2004	Center for Neuromorphic Systems Engineering, California Institute of Technology
Sept., 2004	Cognitive Area, Dept. of Psychology, UCLA
Oct., 2004	Dept. of Brain and Psychological Sciences, Johns Hopkins University
Oct., 2004	Center for Neuroscience, University of California, Davis
Feb., 2005	Dept. of Neurobiology, Yale School of Medicine

Apr., 2005	Dept. of Psychology, Princeton University
May, 2005	CNRS, Université René Descartes, Paris, France
Oct., 2005	Dept. of Psychology, University of Toronto
Feb., 2006	Dept. of Psychological and Brain Sciences, Duke University
Mar., 2006	Neuroscience Graduate Program, Brown University
Apr., 2006	Cognitive Area, Dept. of Psychology, New York University
May, 2006	Fred Attneave Lecture, Dept. of Psychology, University of Oregon
May, 2006	Center for Visual Science Symposium, University of Rochester
Oct., 2006	Helen Wills Neuroscience Institute, UC Berkeley
Feb., 2007	Institute for Research in Cognitive Science, University of Pennsylvania
Mar., 2007	Dept. of Psychology, Yonsei University, South Korea
Mar., 2007	Dept. of Psychology, University of Manitoba
Apr., 2007	Perceptual Expertise Network, New Haven, CT
Jun., 2007	Keynote Speaker, Association for Scientific Study of Consciousness, Las Vegas, NV
Jun, 2007	Reunion Lecture, Association for Yale Alumni, Yale University
Aug., 2007	Dutch Royal Academy of Sciences Colloquium
Oct., 2007	Rovereto Attention Workshop, Rovereto, Italy
Dec., 2007	Dept. of Psychology, Boston University
Feb., 2008	Dept. of Psychology, Dartmouth University
Apr., 2008	Dept. of Psychology, University of Delaware
Apr., 2008	Dept of Psychology, University of Chicago
Jun, 2008	Reunion Lecture, Association for Yale Alumni, Yale University
July, 2008	Munich Search Symposium, Lisbourg, Switzerland
July, 2008	International Congress of Psychology, Berlin, Germany
Nov, 2008	Dept. of Psychology, University of Arizona
Mar, 2009	Humanities in Medicine Program, Yale University
Mar, 2009	Connect with Yale in Philadelphia
Apr, 2009	Science Saturdays, Yale University
Jun, 2009	Reunion Lecture, Association for Yale Alumni, Yale University
Nov, 2009	New Jersey Judicial College, New Jersey
Jan, 2010	Dept of Psychology, Northwestern University
Jan, 2010	Yale Club, Palo Alto, California
March, 2010	One Day University, New York City
Apr., 2010	Bridgeport Superior Court, Connecticut
Apr., 2010	Psychology Day Keynote Speaker, Vanderbilt University

June, 2010 Reunion Lecture, Association for Yale Alumni, Yale University
June, 2010 International Festival for Arts and Ideas, New Haven
Feb., 2011 Brain and Cognitive Sciences Colloquium, MIT
Feb., 2011 Professor Chan-Shup Chung Perception Conference, Yonsei University
Sep., 2011 Norma Lytton Lecture, Yale Center for British Art
Nov., 2011 Yale School of Management
Dec., 2011 Cognitive Colloquium, New York University
Dec., 2011 Elliot Stellar Lecture in Behavioral and Cognitive Neuroscience, University of Pennsylvania
Jan., 2012 Psychology Colloquium, Boston College
Feb., 2012 Psychology Colloquium, Columbia University
Feb., 2012 Yale University School of Architecture
Mar., 2012 One Day University, New York City
Mar., 2012 Yale-New Haven Teachers Institute
Apr., 2012 Department of Psychology, University of Oxford
Apr., 2012 MRC Cognition and Brain Sciences Unit, University of Cambridge
Apr., 2012 Keynote Speaker, British Academy Experimental Psychology Society
Oct., 2012 Cognition, Brain, and Behavior Seminar, Harvard University
Nov., 2012 Mind, Brain, and Behavior Distinguished Lecture Series, Duke University
Jan., 2013 Experimental Psychology Society Symposium, London
Feb., 2013 Dept. of Psychology, University of Louisville
Feb., 2013 Ivy Council Policy Conference, New Haven, CT
Apr., 2013 Sellie Berstingle Lecture, Rhode Island School of Design Museum
Apr., 2013 One Day University, New York City, NY
Apr., 2013 Site Projects, New Haven
May, 2013 One Day University with the Dallas Morning News, Dallas, TX
Nov., 2013 One Day University, Minneapolis, MN
Nov., 2013 Attention and Memory Workshop, La Jolla, CA
Dec., 2013 One Day University with the Atlantic Magazine, Washington, DC
Jan., 2014 Hotchkiss School Assembly, Lakeville, CT
Jan., 2014 Model United Nations, New Haven, CT
Jan., 2014 Psychology of Performance Panel, Yale College Council, New Haven, CT
Feb., 2014 International Scholars and American Lab, Office of International Students and Scholars, Yale University, New Haven, CT
Feb., 2014 Medical Education Discussion Group, Yale School of Medicine
Mar., 2014 Los Angeles County Museum of Art, Los Angeles, CA

Mar., 2014	Southern Connecticut State University
Mar., 2014	TEDxYale, New Haven, CT
Apr., 2014	Association for Yale Alumni Inaugural Asian-American Alumni Conference
Apr., 2014	Department of Psychology, Columbia University
May, 2014	Cold Spring Harbor Laboratory, Cognition Symposium
Jul., 2014	New Frontiers in Scientific Innovation, Korea Foundation for Advanced Studies, Seoul, South Korea
Aug., 2014	Dept of Psychology, Yonsei University, Seoul, South Korea
Jan., 2015	MIT Alumni Club, Washington, D.C.
Jan., 2015	Model United Nations, New Haven, CT
Mar., 2015	Yale-NUS College, Singapore, Singapore
Mar., 2015	Child Study Center, Yale University
Apr., 2015	Gateway Community College, New Haven, CT
Jul., 2015	Potomac Institute for Policy Studies, Center for Neurotechnology Studies, Rayburn House Office Building on Capitol Hill, Washington D.C.
Aug., 2015	TEDxKFAS, Korea Foundation for Advanced Studies, Seoul, South Korea
Aug., 2015	NCsoft, Seoul, South Korea
Aug., 2015	Asan Hospital Neurology Department, Seoul, South Korea
Sep., 2015	Dept of Brain and Cognitive Sciences, University of Rochester
Oct., 2015	Freshman Class Speaker, Yonsei University, Incheon Campus, South Korea
Oct., 2015	Institute for Convergence Science, Yonsei University, Seoul, South Korea
Feb., 2016	Psychological and Brain Sciences, Dartmouth College
Apr., 2016	Neuroscience for Human Performance Workshop, 711th Human Performance Wing, Dayton, OH
Apr., 2016	Society for Experimental Psychologists Conference
May, 2016	Mind, Brain, and Behavior Institute, Columbia University
Aug, 2016	Keynote Address, Opening Days, Yale College
Oct., 2016	Future of StoryTelling Summit, New York, NY
Oct., 2016	Chicago Ideas Week
Jan, 2017	Mechanisms and Determinants of Human Learning Workshop, Geneva, Switzerland
Jan., 2017	Alpine Brain Imaging Meeting, Champéry, Switzerland
Apr., 2017	Dept. of Psychology, George Washington University
June, 2017	2017 D.C. Circuit Judicial Conference
Aug., 2017	SK Icheon Forum, Seoul, South Korea
Apr., 2018	School of Psychology, Georgia Institute of Technology
June, 2018	Brain Connectivity Workshop, Bio-X, Stanford University

Aug., 2018	SK Icheon Forum, Seoul, South Korea
Aug., 2018	TEDxKFAS, Seoul, South Korea
July, 2019	SK Icheon Forum, Seoul, South Korea
July, 2019	Chey Institute for Advanced Studies, Scientific Innovation Conference, South Korea
Nov, 2019	TV Chosun Global Leaders Forum, Seoul, South Korea
Jan, 2020	New Initiatives in Undergraduate Education, South Korea
Dec, 2021	Tokyo Forum, online
Feb, 2022	Korean Cognitive Science Society Keynote Speaker, online
Jul, 2022	Chey Institute for Advanced Studies, Seoul, South Korea
Jan, 2023	World Neuroscience and Neurobusiness Conference, Seoul, South Korea
Aug, 2023	Chey Institute for Advanced Studies, Seoul, South Korea
Aug, 2023	Keynote speaker, Annual Meeting of the Korea Psychological Association
Nov, 2023	Psychology, Ohio State University
Nov, 2024	Keynote speaker, National Academy of Neuropsychology

Professional Activities

Associate Editor
Psychological Science (2007-2009)
Cognitive Science (2003-2005)

Editorial Board
Annual Review of Vision Science (2013~2017)
Annual Review of Psychology (2009~2013)
Attention, Perception & Psychophysics (1999~present)
Journal of Experimental Psychology: Human Perception and Performance (1999~2009)
Psychological Science (2001~2007)
Visual Cognition (2005~present)
Vision Sciences Society Review Board (2002~ 2004, 2009 – present)

Advisory Positions

International Association for the Study of Attention and Performance (2003)
Vision Sciences Society Board of Directors (2004 ~ 2008)
Vision Sciences Society Treasurer (2007~ 2008)
Brain Functional Organization, Connectivity, and Behavior (2012)
Nike SPARQ Scientific Advisory Board Member (2012 ~ 2014)
MIT Dept of Brain and Cognitive Sciences Visiting Committee (2013 ~ present)
Federation of Associations in Behavioral & Brain Sciences (FABBS) Board (2014~2016)
Nike Performance Council Member (2014 ~ 2016)
Yale-NUS Governing Board (2018 – present)
Haskins Laboratory Board (2018 – 2020)
Hopkins School Board (2019 – present)

Institute for Basic Science Selection and Evaluation Committee (2020 – present)

Study Section Panel Member

Cognition and Perception (Biobehavioral and behavioral processes 4), Center for Scientific Review, National Institutes of Health, 2000-2004, and ad-hoc.

Chair, National Institute of Mental Health Special Emphasis Panel, Review of Center for Attention Across Cognitive Domains, 2005.

National Science Foundation Graduate Fellowships, 2016

Central Visual Processing, Center for Scientific Review, National Institutes of Health, ad-hoc several occasions.

Committees

American Psychological Association, Editor Search (2005)

American Psychological Association, Scientific Awards (2009-2012, Chair in final year)

American Psychological Association, Editor Search (2010)

Association for Psychological Science, Editor Search (2010)

Cognitive Neuroscience Society, Young Investigator Award Committee (2013 - present)

Ad-hoc Reviewer

Journals: *Brain and Cognition, Canadian Journal of Experimental Psychology, Cerebral Cortex, Cognitive, Affective, & Behavioral Neuroscience, Cognitive Neuropsychology, Cognitive Psychology, Contemporary Psychologist, Current Biology, Developmental Psychology, Emotion, European Journal of Cognitive Psychology, Journal of Cognitive Neuroscience, Journal of Experimental Child Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Neurophysiology, Journal of Neuroscience, Journal of Vision, Memory & Cognition, Nature, Nature Neuroscience, Neurobiology of Aging, Neuroimage, Neuron, Neuropsychologia, Neuropsychology, Neuropsychopharmacology, Neuroscience Letters, Perception, Proceedings of the National Academy of Sciences, USA, Psychological Bulletin, Psychological Research, Psychological Review, Psychology & Aging, Psychonomic Bulletin & Review, Quarterly Journal of Experimental Psychology, Review of General Psychology, Schizophrenia Bulletin, Spatial Vision, Spanish Journal of Psychology, Trends in Cognitive Science, Vision Research, Visual Cognition*

Grant Agencies: *Air Force Office of Scientific Research (USA), Institute of Education Sciences Cognitive and Student Learning Program (USA), National Science Foundation (USA), Netherlands Organization for Scientific Research, The Royal Society (United Kingdom), US-Israel Binational Science Foundation, The Wellcome Trust (United Kingdom)*

Department and University Service

1996-1998 Asian American Cultural Center Board, Yale University
1998 Behavioral Neuroscience Junior Faculty Search Committee, Yale University
1998 Internal Hiring Procedure Committee, Yale University
1998-1999 Philosophy Track Advisor, Yale University
1999-2003 Graduate Studies Committee, Psychology, Vanderbilt University
2000-2001 Strategic Academic Planning Committee (Chair), Dept. of Psychology, Vanderbilt University
2000-2002 Neuroscience Faculty Search Committee, Vanderbilt University
2000-2003 Co-director, Neuroimaging Module, Vanderbilt Vision Research Center
2000-2003 Cognitive Studies Faculty Search Committee, Peabody College, Vanderbilt

University
2000-2003 Psychology Major Advisor, Vanderbilt University
2000-2003 Premajor Advisor, Vanderbilt University
2000-2003 Psychology Web Site Manager
2001-2003 Director of Subject Pool, Vanderbilt University
2002-2003 Neuroscience Program Steering Committee
2002-2003 College of Arts and Sciences Curriculum Reform Work Group
2003-2005 Director of Introductory Psychology Subject Pool, Yale University
2003-2004 Human Subjects Committee, Faculty of Arts and Sciences
2003-2016 Executive Committee, Interdepartmental Neuroscience Program
2003-2012 Graduate Admissions Committee, Interdepartmental Neuroscience Program
2003 Journal of Experimental Psychology: Human Perception and Performance Editor Search Committee, American Psychological Association
2003-2004 Chemosensory Search Committee, Pierce Laboratory
2003-2004 Behavioral Neuroscience Search Committee, Psychology
2004-2005 Chair, Human Subjects Committee, Faculty of Arts and Sciences
2004-2005 Behavioral Neuroscience Search Committee, Psychology
2004-2005 Developmental Psychology Search Committee, Psychology
2005-2006 Chair, Cognitive Search Committee, Psychology
2006-2010 Director, Introductory Psychology Subject Pool, Yale University
2007-2008 Yale College Dining Services Committee
2007-2011 Minority Advisory Council, President's Office
2007-2016 Paul Mellon Fellowship Committee
2007-2016 Council of Masters Agenda Committee, Finance Committee, Awards Committee, Creative and Performing Arts Committee, Athletic Committee, Services Committee, Gordon Grand Fellowship Committee (in different combinations over the term)
2008 Search Committee, Assistant Dean of Yale College for Freshman Affairs
2008- University Advisory Council of the Yale-New Haven Teachers Institute
2008-2009 Chair, Promotion Committee, Psychology
2008-2009 NEASC Steering Committee, President's Office
2009-2010 National University of Singapore Initiative Committee, President's Office
2009-2013 Freshman Year Advisory Committee, Yale College Dean's Office
2011-2013 Yale-NUS College Summer Immersion Program Director and Rector
2011-2015 Chair, Minority Advisory Council, President's Office
2012-2016 Chair, Yale Faculty Advisory Committee on Yale-NUS College, President's Office
2014 Chair, Advisory Committee on Decanal Search, President's Office
2014- Chair, Kavli Institute Brain Coffee Hour Series
2014-2016 Council of Masters: Services Committee Chair; Steering Committee
2015-2016 Social Sciences Divisional Committee, Dean of Faculty of Arts and Sciences Office
2015 Curriculum Review Committee, Yale-NUS College, Singapore
2015-2016 Psychology Search Committee, Yale-NUS College, Singapore

Students Advised

Graduate Students

Ingrid Olson, Ph.D., Yale University, 2000 (B.S., University of Michigan)

Research Assistant Professor, Center for Cognitive Neuroscience, University of Pennsylvania
Assistant then (tenured) Associate Professor, Dept. of Psychology, Temple University

Yuhong Jiang, Ph.D., Yale University, 2000 (B.A., Peking University, China)
Postdoctoral Fellow, MIT
Assistant Professor, Dept. of Psychology, Harvard University
APA Division 3 Young Investigator Award
Presidential Early Career Award for Scientists and Engineers
Office of Naval Research Young Investigator Award
Full Professor, Dept. of Psychology, University of Minnesota

Do-joon Yi, Ph.D., Yale University, 2005 (B.A., M.A., Yonsei University, Korea)
Postdoctoral Associate, Yonsei University
Associate Professor, Department of Psychology, Yonsei University

Justin Junge, Ph.D., Yale University, 2008 (B.A., Harvard University)
Postdoctoral Associate, Tufts University
Lecturer, Harvard University
Lecturer, Princeton University

Soojin Park, Ph.D., Yale University, 2008 (B.A., Yonsei University)
Postdoctoral Associate, MIT
Assistant Professor, Department of Cognitive Sciences, Johns Hopkins University
Assistant Professor, Department of Psychology, Yonsei University

Nick Turk-Browne, Ph.D., Yale University, 2009 (B.A., U of Toronto)
NSERC Doctoral Fellow
Assistant Professor to Full Professor, Department of Psychology, Princeton University
APA Early Career Award
Vision Sciences Society Young Investigator Award
Cognitive Neuroscience Society Young Investigator Award
Full Professor, Department of Psychology, Yale University

Julie Golomb, Ph.D., Yale University, 2009 (B.A., Brandeis University)
NSF Graduate Fellow
Postdoctoral Associate, MIT
Assistant Professor, Ohio State University
Sloan Fellow
APA Early Career Award
APF Fantz Award
FABBS Early Career Impact Award
Associate Professor, Ohio State University

Yankun Jeremy Shen, Ph.D., Yale University, 2011 (B.A., Harvard University)
Senior Research Scientist, Unilever

Emily Ward, Ph.D., Yale University, 2016 (B.S., Franklin & Marshall College)
NSF Graduate Fellow 2011-2014

Postdoctoral Associate, University of Wisconsin
Assistant Professor, Department of Psychology, University of Wisconsin

Monica Rosenberg (B.S., Brown University)
NSF Graduate Fellow 2014-2017
Object, Perception, Attention Memory Conference Best Talk Award
Forbes Magazine 30 under 30 Scientists
Assistant Professor, Department of Psychology, University of Chicago 2018 -

Thomas O'Connell (B.A., Ohio State University)
NSF Graduate Fellow 2014-2017
Postdoctoral Fellow, MIT 2019-

Qi Lin (B.A., New York University)
Postdoctoral Fellow, RIKEN 2022-

Viola Mocz (B.A., Princeton University)

Postdoctoral Fellows

Steven Most (Ph.D., Harvard University) : 2002 – 2006
NIH NRSA Fellow. Sponsors: Marvin Chun and David Zald (Vanderbilt)
Assistant Professor, Dept. of Psychology, University of Delaware
Senior Lecturer (tenured), Dept. of Psychology, University of New South Wales

Geoff Woodman (Ph.D., University of Iowa) : 2002 – 2006
NIH NRSA Fellow. Sponsors: Jeff Schall (Vanderbilt) and Marvin Chun
Associate Professor, Dept. of Psychology, Vanderbilt University
Young Investigator Award, Vision Sciences Society
Troland Award, National Academy of Sciences

Andrew Leber (Ph.D., Johns Hopkins University) : 2003 – 2007
NIH NRSA Fellow. Sponsor: Marvin Chun
Assistant Professor, Dept. of Psychology, University of New Hampshire
Assistant Professor, Dept. of Psychology, Ohio State University
Associate Professor, Ohio State University

Yaoda Xu (Ph.D., MIT) : 2003 – 2008
Associate Professor, Dept of Psychology, Harvard University
Senior Research Scientist, Dept. of Psychology, Yale University

Timothy Vickery (Ph.D., Harvard University) : 2008 – 2012
Assistant to Associate Professor, Dept. of Psychology, University of Delaware

Brice Kuhl (Ph.D., Stanford University) : 2010 – 2012
NIH NRSA Fellow
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