

Curriculum Vitae  
**Anastasia Kiyonaga**

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## Appointments

- University of California, San Diego** 2020-  
Assistant Professor, Cognitive Science  
*Affiliated Faculty:* Neuroscience Graduate Program; Kavli Institute for Brain and Mind, Institute for Neural Computation
- University of California, Berkeley** 2015-2019  
Postdoctoral Fellow, Helen Wills Neuroscience Institute  
*Advisor:* Mark D'Esposito

## Education

- Duke University** 2010-2015  
Ph.D., Psychology & Neuroscience  
*Advisor:* Tobias Egner
- University of Pennsylvania** 2007-2009  
M.S.Ed., Human Development
- University of Virginia** 1999-2003  
B.A., Psychology

## Publications

\* = shared authorship; *My Bibliography* and ORCID ID: <https://orcid.org/0000-0002-7586-3447>

### Peer-reviewed journal articles

1. Adam K, Klatt LI, Miller J, Rösner M, Fukuda K, & **Kiyonaga A** (in press). Beyond routine maintenance: Current trends in working memory research. *Journal of Cognitive Neuroscience*. DOI: [10.1162/jocn\\_a\\_02298](https://doi.org/10.1162/jocn_a_02298)
2. **Kiyonaga A\***, Scimeca JM\*, & D'Esposito M (accepted in principle). Dissociating the causal roles of frontal and parietal cortex in working memory capacity. *Nature Human Behaviour*.  
*This is a Registered Report that has been approved after Stage 1 peer-review.* DOI: [10.6084/m9.figshare.7145873.v1](https://doi.org/10.6084/m9.figshare.7145873.v1)
3. Dong, Y, & **Kiyonaga A** (2024). Ocular working memory signals are flexible to behavioral priority and subjective imagery strength. *Journal of Neurophysiology*, 132, 162-176. DOI: [10.1152/jn.00446.2023](https://doi.org/10.1152/jn.00446.2023)
4. Miller JA, Tambini A, **Kiyonaga A**, & D'Esposito M (2022). Long-term learning transforms prefrontal cortex selectivity during working memory. *Neuron*, 110(22), 3805-3819. DOI: [10.1016/j.neuron.2022.09.019](https://doi.org/10.1016/j.neuron.2022.09.019)  
**Commentary:** Ren, Konrad, Wagner, & Dresler (2023). Mnemonic training contextualizes working memory with long-term memory representations, *European Journal of Neuroscience*, 57, 1639-1641.
5. **Kiyonaga A**, Powers J, Chiu YC, & Egner T (2021). Hemisphere-specific parietal contributions to the interplay between working memory and attention. *Journal of Cognitive Neuroscience*, 33, 1428-1441. DOI: [10.1162/jocn\\_a\\_01740](https://doi.org/10.1162/jocn_a_01740)
6. Miller JA\*, **Kiyonaga A\***, Ivry RB, & D'Esposito M (2020). Prioritized verbal working memory content biases ongoing action. *Journal of Experimental Psychology: Human Perception and Performance*, 46, 1443-1457. DOI: [10.1037/xhp0000868](https://doi.org/10.1037/xhp0000868)

7. **Kiyonaga A** & Scimeca JM (2019). Practical considerations for navigating Registered Reports. *Trends in Neurosciences*, 42, 568-572. DOI: [10.1016/j.tins.2019.07.003](https://doi.org/10.1016/j.tins.2019.07.003)
8. **Kiyonaga A\***, Dowd EW\*, & Egner T (2017). Neural representation of working memory content is modulated by visual attentional demand. *Journal of Cognitive Neuroscience*, 29, 2011-2024. DOI: [10.1162/jocn\\_a\\_01174](https://doi.org/10.1162/jocn_a_01174)
9. **Kiyonaga A**, Scimeca JM, Bliss DP, & Whitney D (2017). Serial dependence across perception, attention, and memory. *Trends in Cognitive Sciences*, 21, 493-497. DOI: [10.1016/j.tics.2017.04.011](https://doi.org/10.1016/j.tics.2017.04.011)  
**Commentary:** Dyson (2017). Serial dependence in audition: Free, fast, and featureless? *Trends in Cognitive Sciences*, 21, 819-820.
10. **Kiyonaga A** & Egner T (2016). Center-surround inhibition in working memory. *Current Biology*, 26, 64-68. DOI: [10.1016/j.cub.2015.11.013](https://doi.org/10.1016/j.cub.2015.11.013)
11. Coutlee, CG, **Kiyonaga A**, Korb FM, Huettel, SA, & Egner T (2016). Reduced risk-taking following disruption of the intraparietal sulcus. *Frontiers in Neuroscience*, 10, 588. DOI: [10.3389/fnins.2016.00588](https://doi.org/10.3389/fnins.2016.00588)
12. Dowd EW, **Kiyonaga A**, Beck J, & Egner T (2015). Quality and accessibility of visual working memory during cognitive control of attentional guidance: A Bayesian model comparison approach. *Visual Cognition*, 23, 337-356. DOI: [10.1080/13506285.2014.1003631](https://doi.org/10.1080/13506285.2014.1003631)
13. Dowd EW, **Kiyonaga A**, Egner T, & Mitroff S. (2015). Attentional guidance by working memory differs by paradigm: An individual-differences approach. *Attention, Perception, & Psychophysics*, 77, 704-712. DOI: [10.3758/s13414-015-0847-z](https://doi.org/10.3758/s13414-015-0847-z)
14. **Kiyonaga A** & Egner T (2014). The working memory Stroop effect: When internal representations clash with external stimuli. *Psychological Science*, 25, 1619-1629. DOI: [10.1177/0956797614536739](https://doi.org/10.1177/0956797614536739)
15. **Kiyonaga A**, Korb F, Lucas J, Soto D, & Egner T (2014). Dissociable causal roles for left and right parietal cortex in controlling attentional biases from working memory. *NeuroImage*, 100, 200-205. DOI: [10.1016/j.neuroimage.2014.06.019](https://doi.org/10.1016/j.neuroimage.2014.06.019)
16. **Kiyonaga A** & Egner T (2014). Resource-sharing between internal maintenance and external selection modulates attentional capture by working memory content. *Frontiers in Human Neuroscience*, 8, 670. DOI: [10.3389/fnhum.2014.00670](https://doi.org/10.3389/fnhum.2014.00670)
17. **Kiyonaga A**, & Egner T (2013). Working memory as internal attention: Toward an integrative account of internal and external selection processes. *Psychonomic Bulletin & Review*, 20, 228-242. DOI: [10.3758/s13423-012-0359-y](https://doi.org/10.3758/s13423-012-0359-y)
18. Soto D, Greene C, **Kiyonaga A**, Rosenthal C, & Egner T (2012). A parieto-medial temporal pathway for the strategic control over working memory biases in human visual attention. *Journal of Neuroscience*, 32, 17563-17571. DOI: [10.1523/JNEUROSCI.2647-12.2012](https://doi.org/10.1523/JNEUROSCI.2647-12.2012)
19. **Kiyonaga A**, Egner T, & Soto D (2012). Cognitive control over working memory biases of selection. *Psychonomic Bulletin & Review*, 19, 639-646. DOI: [10.3758/s13423-012-0253-7](https://doi.org/10.3758/s13423-012-0253-7)
20. Stanley EA, **Kiyonaga A**, Schaldach JM, & Jha AP (2011) Mindfulness-based mind fitness: A case study of a high stress pre-deployment military cohort. *Cognitive and Behavioral Practice*, 18, 566-576. DOI: [10.1016/j.cbpra.2010.08.002](https://doi.org/10.1016/j.cbpra.2010.08.002)
21. Baijal S, Jha AP, **Kiyonaga A**, Singh R & Srinivasan N (2011). The influence of concentrative meditation training on the development of attention networks during early adolescence. *Frontiers in Psychology*, 2, 153. DOI: [10.3389/fpsyg.2011.00153](https://doi.org/10.3389/fpsyg.2011.00153)
22. Jha AP, Stanley EA, **Kiyonaga A**, Wong LM, & Gelfand L (2010). Examining the protective effects of mindfulness training on working memory capacity and affective experience. *Emotion*, 10, 54-64. DOI: [10.1037/a0018438](https://doi.org/10.1037/a0018438)

23. Jha AP & **Kiyonaga A** (2010). Working memory-triggered dynamic adjustments in cognitive control. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 36, 1036-1042. DOI: [10.1037/a0019337](https://doi.org/10.1037/a0019337)

### Refereed conference papers

1. Ying Z<sup>^</sup>, Callaway F, **Kiyonaga A**, & Mattar MG (2024). Resource-Rational Encoding of Reward Information in Planning. In *Proceedings of the Annual Meeting of the Cognitive Science Society* (Vol. 46). link: <https://escholarship.org/uc/item/8sb1c95h>
2. Chkhaidze A<sup>^</sup>, Coulson S, & **Kiyonaga A** (2023). Individual Differences in Preferred Thought Formats Predict Features of Narrative Recall. *Proceedings of the Annual Meeting of the Cognitive Science Society*, 45. link: <https://escholarship.org/uc/item/ojm2d2rm>
3. Dowd EW, **Kiyonaga A**, Beck JM, & Egnér T (2014). Probability of guessing, not precision, changes in mixture models of visual working memory during cognitive control of attentional guidance. Summary published in Object Perception, Attention, and Memory (OPAM) 2014 Conference Report, *Visual Cognition*, 22(8), 1027-1030. DOI: [10.1080/13506285.2014.960669](https://doi.org/10.1080/13506285.2014.960669)

### Invited Chapters & Commentaries

1. Yang S<sup>^</sup>, **Kiyonaga A** (2024). Serial Dependence: Connecting past and present. *eLife* 13:e101212. DOI: [10.7554/eLife.101212](https://doi.org/10.7554/eLife.101212)
2. **Kiyonaga A** & D'Esposito M (2020). Competition and control during working memory. In James T. Enns and M. M. Chun (eds.), *Elements in Perception*. Cambridge: Cambridge University Press. DOI: [10.1017/9781108581073](https://doi.org/10.1017/9781108581073)
3. **Kiyonaga A** (2019). We need a taxonomy of working memory. *Journal of Cognition*. 2(1), 35. DOI: [10.5334/joc.71](https://doi.org/10.5334/joc.71)  
Response: Oberauer, K. (2019). Working Memory and Attention – Response to Commentaries. *Journal of Cognition*, 2(1), 30.
4. Scimeca JM, **Kiyonaga A**, & D'Esposito M (2018). Reaffirming the sensory recruitment account of working memory. *Trends in Cognitive Sciences*, 22, 190-192. DOI: [10.1016/j.tics.2017.12.007](https://doi.org/10.1016/j.tics.2017.12.007)  
Response: Xu, Y. (2018). Sensory Cortex Is Nonessential in Working Memory Storage. *Trends in Cognitive Sciences*, 22(3), 192-193.

### Preprints under review

1. Tambini A, Miller JA<sup>^</sup>, Ehler L, **Kiyonaga A**, & D'Esposito M. Structured memory representations develop at multiple time scales in hippocampal-cortical networks, *bioRxiv*. DOI: [10.1101/2023.04.06.535935](https://doi.org/10.1101/2023.04.06.535935)
2. **Kiyonaga A**, Miller JA & D'Esposito M. Lateral prefrontal cortex controls interplay between working memory and actions. *bioRxiv*. DOI: [10.1101/2024.09.17.613601v1](https://doi.org/10.1101/2024.09.17.613601v1)

## Extramural Funding

### *Pupillary working memory for adaptive perception*

National Institutes of Health 1R01EY036843-01, total costs: \$2,364,336

2025-2029

Role: PI

### *Sensory, cognitive, and transcranial neuromodulation of goal representations*

Air Force Office of Scientific Research FA9550-22-1-0230, total costs: \$485,932

2022-2025

Role: PI

### *Network properties and causal mechanisms of distractor-resistant working memory (completed)*

NIMH F32MH111204, total costs: \$175,000

2016-2019

Role: PI

### Competitive Internal funding

*What are thoughts made of? Dusting for neural fingerprints of internal representations using phenomenology and information-based neuroimaging*

Kavli Institute for Brain and Mind Innovative Research Grants: \$50,000 2022-2023

Role: Co-I (with Lera Boroditsky, Seana Coulson, and PI Ana Chkhaidze)

Faculty Career Development Program: \$17,000 2022-2023

### Professional Activities

#### Society memberships

Cognitive Neuroscience Society • Society for Neuroscience • Vision Sciences Society

#### Society service

Cognitive Neuroscience Society, *Poster Committee*

Working Memory Symposium, *Organizing Committee*

#### Editorial Service

Consulting Editor, *Journal of Cognitive Neuroscience*

Guest Editor, *Neurobiology of Learning and Memory* — Special Issue on Cognitive Control

#### Advisory Board Memberships

*Journal of Cognitive Neuroscience* Discussion Forum (JoCNForum)

#### Ad-hoc reviewing

#### Funding Agencies

NIH Human Complex Mental Function study section • NIH Learning, Memory, and Decision Neuroscience study section • National Science Foundation • Wellcome Sir Henry Dale Fellowship

#### Journals

Annals of the New York Academy of Sciences • Attention, Perception & Psychophysics • Cerebral Cortex • Child Development • Cognition • Communications Psychology • Cortex • Current Biology • Current Directions in Psychological Science • eLife • eNeuro • European Journal of Neuroscience • Experimental Brain Research • Frontiers in Human Neuroscience • Frontiers in Psychology • Human Brain Mapping • iScience • Journal of Cognition • Journal of Cognitive Neuroscience • Journal of Experimental Psychology: General • Journal of Experimental Psychology: Human Perception and Performance • Journal of Experimental Psychology: Learning, Memory and Cognition • Journal of Neurophysiology • Journal of Neuroscience • Journal of Vision • Memory • Memory & Cognition • Nature Communications • Nature Human Behaviour • Nature Reviews Neuroscience • NeuroImage • Neuropsychologia • PCI Registered Reports • PLoS Biology • Psychological Science • Psychonomic Bulletin & Review • Quarterly Journal of Experimental Psychology • Science Advances • Scientific Reports • Trends in Cognitive Sciences • Visual Cognition • WIREs Cognitive Science

### Invited Talks

**UC Santa Barbara**, Department of Psychological & Brain Sciences, CPCN Seminar May 2023

**University of Texas at Austin**, Neuroscience Seminar Series April 2023

**University of Iowa**, Psychological & Brain Sciences Brownbag April 2023

**University of Oxford**, Department of Experimental Psychology BEACON talk June 2021

**Vrije Universiteit Amsterdam**, Cognitive Psychology Department Colloquium October 2021

**University of Chicago**, Awh/Vogel lab meeting February 2021

**George Washington University**, Cognitive Neuroscience Brownbag November 2020

<b>UC San Diego</b> , Department of Psychology, Cognitive Brownbag	November 2020
<b>UC Berkeley</b> , Whitney lab meeting	August 2020
<b>UCLA</b> , Department of Psychology, Cognitive Forum	February 2020
<b>Columbia University</b> , Zuckerman Mind Brain Behavior Institute	March 2019
<b>UC San Diego</b> , Department of Cognitive Science	February 2019
<b>Center for Open Science</b> , 'Being a Reviewer or Editor for Registered Reports'	September 2019

## Mentorship

**Certification completed:** Neuroscience Graduate Program Senior Faculty Mentor Training 2022: Optimizing Faculty Mentoring Relationships at University of California, San Diego

### Postdocs

Ian Ballard (*now Assistant Professor at UC Riverside*) 2023

### PhD Students

Sihan Yang 2023-

Yueying 'Holly' Dong 2020-

### Co-advised PhD Students

Zhuojun Ying (co-advised with Marcelo Mattar) 2022-

Pria Daniel (co-advised with Adam Aron; *Cota-Robles Fellowship recipient*) 2022-

Ana Chkhaidze (co-advised with Lera Boroditsky; *KIBM Fellowship recipient*) 2022-

Corey Zhou (co-advised with Marcelo Mattar) 2022-2024

### Graduate Student Committees

Holly Kular (UCSD Psychology) 2024-

Louise Stolz (UCSD Neuroscience) 2023-

Andrew Bender (UCSD Neuroscience) 2023-

Felix Binder (UCSD Cognitive Science) 2023-

Sana Ali (UCSD Cognitive Science) 2022-

Janna Wennberg (UCSD Psychology) 2022-

Yang Wang (UCSD Psychology) 2022-

Amit Rawal (Max Planck at the Ernst Strüngmann Institute) 2022-

Eena Kosik (UCSD Cognitive Science) 2021-

Quirine Van-engen (UCSD Cognitive Science) 2021-

Isabella Destefano (UCSD Psychology) 2021-

Janet Tung (UCSD Cognitive Science) 2021-

Matthew Feigelis (UCSD Cognitive Science) 2021-2024

Sunyoung Park (UCSD Psychology) 2022-2024

Will McCarthy (UCSD Cognitive Science) 2021-2024

Hayden Schill (UCSD Psychology) 2021-2023

Timothy Sheehan (UCSD Neuroscience) 2020-2023

Angus Chapman (UCSD Psychology) 2020-2022

Jonathan Keefe (UCSD Psychology) 2020-2022

Kelsey Sundby (UCSD Psychology) 2020-2021

Frida Printzlau (University of Oxford) 2021

### Undergraduate Honor's Thesis Mentorship

Jaden Huynh (UC San Diego) 2022-2023

Project Title: *Potential electroencephalogram treatment responsive biomarkers in Obsessive Compulsive Disorder*

Sagarika Allavilli (UC San Diego; became PhD student at Harvard) 2020-2021

Project Title: *The biasing of auditory working memory by a set of similar distractors*

Kaiqi Zhang (UC San Diego; became PhD student at Washington University) 2020-2021

Project Title: *The effect of priority state of working memory content on its vulnerability to interference*

Stuti Bansal (UC Berkeley; became medical student at Mt. Sinai) 2018-2020

Project Title: *Structural-functional relationships in human parietal cortex for working memory capacity*

John Lucas (Duke University) 2011-2014

Project Title: *Neural mechanisms of reciprocity between working memory and attention*

### Undergraduate Research Apprenticeships

**UC San Diego:** Keionni Thompson, Emily Madera, Zoe Tait, Weiwei Liang 2020-

Brian Fang, Nupoor Patil, Kaushika Uppu, Tiffany Widjaja, Sharai Barrera, Christian Dier-Martini, Yvonne Luo, Darwin Cervantes, Emma Kandel, Connie Xie, Jennifer Hung

**UC Berkeley:** Sijing (Jean) Ye, Stuti Bansal, Joseph Schenker, Lauren Schuck, 2015-2020

Jessica Houghton, Murray Andrews, Xinyu Li, Eugene Gil

**Duke University:** John Lucas, Ada Aka, Hannah Gold 2010-2015

## Teaching

### Courses Taught (UC San Diego)

COGS 1: <i>Introduction to Cognitive Science (3x)</i>	Fall 2021 – Winter 2025
COGS 17: <i>Neurobiology of Cognition (3x)</i>	Spring 2020-Winter 2021
COGS 165: <i>Neuroimaging of Cognition (6x)</i>	Spring 2020-Fall 2024
COGS 260: <i>Scientific Writing (4x)</i>	Winter 2021-Winter 2025
COGS 200: <i>Cognitive Science Seminar</i>	Spring 2021

### Guest Lectures (UC San Diego)

COGS 1: <i>Introduction to Cognitive Science</i>	Spring 2020 - Spring 2024
COGS 200: <i>Cognitive Science Seminar</i>	Fall 2019, Winter 2020

### Pedagogical Training

UC San Diego “ <i>Course Design Series</i> ” Engaged Teaching workshop	Winter 2020
UC Berkeley, MCB 290 “ <i>Designing a course for undergraduate neuroscience majors</i> ”	Fall 2019

## Outreach

**Colors of the Brain** Faculty Mentor 2022-

UCSD program providing paid research experience to students from underrepresented groups

**STARS** Faculty Mentor 2022-

UCSD Summer Training Academy for Research Success

**Marshall Mentor Program** Faculty Mentor 2022-

UCSD program pairing transfer students with faculty mentors for career guidance



<b>Cognitive Science Summer Scholars</b> Research Advisor	2021-
UCSD post-baccalaureate program to support career development for students who have faced adversity	
<b>Stemanities</b> Judge & Panelist	2020
National High School Research Competition Integrating STEM and the Humanities	
<b>NIH Bridges to the Baccalaureate (B2B)</b> Mentor	2016

## Fellowships and Awards

Individual Ruth L. Kirchstein Postdoctoral National Research Service Award (NRSA), NIMH <a href="#">F32MH111204</a> : Network properties and causal mechanisms of distractor-resistant working memory	2016-2019
NIMH Summer Institute in Cognitive Neuroscience Fellowship	2014
Duke Graduate School Summer Research Fellowship	2014

## Conference Presentations

### Talks

- Kiyonaga A**, Miller JA, Tambini A & D'Esposito M (November 2022). Long-term experience shapes short-term memory codes. *Annual Meeting of the Society for Neuroscience, San Diego, CA*.
- Miller JA, Tambini A, **Kiyonaga A**, & D'Esposito M (June 2021). Long-term learning transforms prefrontal cortex selectivity during working memory. *Virtual Working Memory Symposium*.
- Miller JA, **Kiyonaga A**, Tambini A, & D'Esposito M (June 2020). Learning-related changes in working memory with frequent, longitudinal sampling. *Virtual Working Memory Symposium*.
- Scimeca JM, **Kiyonaga A**, & D'Esposito M (June 2020). The capacity and control of working memory: Causal roles of frontal and parietal cortex. *Virtual Working Memory Symposium*.
- Kiyonaga A**, Miller, JA, Ivry, RB, & D'Esposito, M (November 2018). Cortico-striatal control over working memory output gating. *Annual Meeting of the Society for Neuroscience, San Diego, CA*.
- Dowd EW, **Kiyonaga A**, Egner T (May 2015). Competitive tradeoffs between working memory and attention: an fMRI approach. *Annual Meeting of the Vision Sciences Society, St., Pete Beach, FL*.
- Dowd EW, **Kiyonaga A**, Beck J, & Egner T (November 2014). Probability of guessing, not precision, changes in mixture models of visual working memory during cognitive control of attentional guidance. *Annual Workshop on Object Perception, Attention, and Memory, Long Beach, CA*.
- Kiyonaga A** & Egner T (March 2014). The working memory Stroop effect: When internal representations clash with external stimuli. *North Carolina Conference on Cognition, Raleigh, NC*.
- Kiyonaga A** & Egner T (February 2013). It's about time: A mechanistic account of working memory attention interactions. *North Carolina Conference on Cognition, Raleigh, NC*.
- Trubutschek D, **Kiyonaga A**, & Egner T (October 2012). The 'what' and 'how' of working memory: Dissociating neural mechanisms of declarative and procedural components. *Annual Meeting of the Society for Neuroscience, New Orleans, LA*.
- Jha AP, & **Kiyonaga A** (April 2010). Working Memory Demands Trigger Dynamic Adjustments in Executive Control. *Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada*.

Van Vugt M, **Kiyonaga A**, Wong LM, & Jha AP (March 2009). The Influence of Mindfulness Meditation Training on Visual Working Memory. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

### Posters

Daniel PL & **Kiyonaga A** (March 2023). Beta oscillations in task switching (BOTS): Evidence for a clear-out role of sensorimotor beta. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

Dong Y & **Kiyonaga A** (March 2023). Pupil Size Tracks Graded Functional States of Working Memory Maintenance. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

Daniel PL & **Kiyonaga A** (November 2022). Do sensorimotor beta oscillations help or hinder task switching? *Annual Meeting of the Society for Neuroscience, San Diego, CA.*

Cellier D, Scimeca J, & **Kiyonaga A** (November 2022). Frontal and Parietal TMS perturbs serial biases in color working memory. *Society for Neuroscience Annual Meeting, San Diego, CA.*

Dong Y & **Kiyonaga A** (November 2022). Pupil Size Tracks Graded Functional States of Working Memory Maintenance. *Annual Meeting of the Society for Neuroscience, San Diego, CA.*

Cellier D, **Kiyonaga A** (April 2022). Distractor effects on working memory are graded by feature similarity and attentional priority state. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

Scimeca JM, **Kiyonaga A**, & D'Esposito M (April 2022). Dissociating the causal contributions of frontal and parietal cortex in working memory capacity. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*

Pappas I, Tambini A, Miller JA, **Kiyonaga A** & D'Esposito M (November 2021). Changes in large scale brain organization during long term sequence learning. *Annual Meeting of the Society for Neuroscience, Virtual.*

Miller JA, Tambini A, **Kiyonaga A** & D'Esposito M (November 2021). Long-term learning transforms prefrontal cortex and medial temporal lobe activity patterns during working memory. *Annual Meeting of the Society for Neuroscience, Virtual.*

Miller JA, Tambini A, **Kiyonaga A** & D'Esposito M (March 2021). Long-term learning transforms prefrontal cortex selectivity during working memory. *Annual Meeting of the Cognitive Neuroscience Society, Virtual.*

Miller JA, Tambini A, **Kiyonaga A** & D'Esposito M (January 2021). Long-term learning transforms prefrontal cortex selectivity during working memory. *Society for Neuroscience Global Connectome: A Virtual Event.*

Miller JA, **Kiyonaga A**, Tambini A, & D'Esposito M (May 2020). Frequent longitudinal sampling reveals learning-related changes in working memory substrates and processes. *Annual Meeting of the Cognitive Neuroscience Society, Virtual.*

**Kiyonaga A**, Scimeca JM, & D'Esposito M (June 2019). Dissociating the causal roles of frontal and parietal cortex in working memory capacity. *Annual Meeting of the Organization for Human Brain Mapping, Rome, Italy.*

**Kiyonaga A**, Lurie DJ, & D'Esposito M (November 2017). Network competition and reconfiguration during working memory processing. *Dynamic poster at the Annual Meeting of the Society for Neuroscience, Washington, DC.*

Miller JA, **Kiyonaga A**, Ivry RB, & D'Esposito M (November 2017). Modulating the cortico-striatal output gate of working memory. *Annual Meeting of the Society for Neuroscience, Washington, DC.*



- Kiyonaga A**, Manassi M, D'Esposito M, & Whitney D (May 2017). Context transitions modulate perceptual serial dependence. *Annual Meeting of the Vision Sciences Society, St., Pete Beach, FL.*
- Kiyonaga A**, Powers J, Chiu YC, & Egner T (April 2016). Causal parietal contributions to dual-task working memory and visual attention performance. *Annual Meeting of the Cognitive Neuroscience Society, New York, NY.*
- Kiyonaga A** & Egner T (May 2015). Working memory representations produce inhibition of similar (but not identical) stimuli in visual attention. *Annual Meeting of the Vision Sciences Society, St., Pete Beach, FL.*
- Kiyonaga A**, Dowd EW, & Egner T (March 2015). Working memory and visual attention compete for neural resources. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Kiyonaga A** & Egner T (April 2014). The working memory Stroop effect: When internal representations clash with external stimuli. *Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.*
- Kiyonaga A**, Korb F, Soto D, & Egner T (November 2013). Transcranial magnetic stimulation to left and right parietal regions reveals their distinct contributions to cognitive control over working memory biases of attention. *Annual Meeting of the Society for Neuroscience, San Diego, CA.*
- Coutlee C, **Kiyonaga A**, Korb F, Huettel S, Egner T (June 2013). Dissociating the contributions of frontal and intraparietal cortices to risky decisions using TMS. *Organization for Human Brain Mapping Annual Meeting, Seattle, WA.*
- Dowd E, **Kiyonaga A**, Egner T, & Mitroff S (May 2013). Individual differences may reveal distinct mechanisms of attentional guidance. *Annual Meeting of the Vision Sciences Society, Naples, FL.*
- Kiyonaga A** & Egner T (April 2013). Resource-sharing between internal maintenance and external selection underlies the capture of attention by working memory content. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*
- Kiyonaga A**, Egner T, Soto D (February 2012). Cognitive Control over Working Memory Biases of Selection. *North Carolina Conference on Cognition, Chapel Hill, NC.*
- Jha AP, Stanley EA, **Kiyonaga A**, Wong LM, & Gelfand L (October 2009). Mindfulness training counteracts heightened distractibility in a military cohort. *Annual Meeting of the Society for Neuroscience, Chicago, IL.*
- Kiyonaga A**, Wong LM, & Jha AP (March 2009). Examining the Lifespan Effects of “Control Adaptation” during Working Memory. *Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.*