

## Lauren L. Richmond

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### Academic Appointments

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2018-Present	Stony Brook University	Assistant Professor
2013- 2018	Washington University in St. Louis	Postdoctoral Fellow

### Education

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2013	Temple University	PhD, Psychology Specialization: Neuroscience
2007	Marist College	MA, Psychology
2006	Marist College	BA, <i>Magna Cum Laude</i> Psychology Minor in Philosophy

### Published, In Press, and Submitted Manuscripts

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^^^ *undergraduate student author*, ^ *graduate student author*, \* *equal contribution by authors*

Shumaker, M. D.^, Hargis, M. B., Kearley, J.^, Schwartz, S. T.^, & **Richmond, L. L.** (Submitted.) Offloading after retrieval can enhance memory for medication interactions.

Burnett, L. K.^, & **Richmond, L. L.** (Submitted). Cognitive offloading benefits performance and reduces interindividual variability: A meta-analysis.

Clouston, S. A. P., Mann, F. D., Meliker, J., Kritikos, M., Babalola, M. T., Kuan, P., Kotov, R., **Richmond, L. L.**, Carr, M. A., & Luft, B. J. (Submitted). Early onset dementia in World Trade Center rescue and recovery workers.

Wang, M.^, **Richmond, L. L.**, Schleider, J. L., Nelson, B. D., & Luhmann, C. (Submitted). Predicting internalizing symptoms with machine learning: Identifying individuals that need care.

Burnett, L. K.^, & **Richmond, L. L.** (Invited revision). Age-related advantage for recall of health-related information following cognitive offloading.

Sargent, J. Q., **Richmond, L. L.**, Kellis, D. M., Smith, M. E., & Zacks, J. M. (In press). No evidence for chunking in spatial memory of route experience. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Ahuvia, I. L.^, Dobias, M. L.^, Cohen, K. A.^, Nelson, B. D., **Richmond, L. L.**, London, B., & Schleider, J. L. (2023). Loss of mental health support among college students during the COVID-19 pandemic. *The Journal of American College Health*.

- Burnett, L. K.<sup>^\*</sup>, Peña, T.<sup>^\*</sup>, Rajaram, S., & **Richmond, L. L.** (2023). Personal and collective mental time travel across the adult lifespan during COVID-19. *Psychology and Aging*.
- Burnett, L. K.<sup>^</sup>, & **Richmond, L. L.** (2023). Just write it down: Similarity in the benefit from cognitive offloading in older and young adults. *Memory and Cognition*.
- Szency, A. K.<sup>^\*</sup>, Wang, M.<sup>^\*</sup>, Beatty, C. C., **Richmond, L. L.**, Schleider, J. L., & Nelson, B. D. (2023). COVID-19 experiences and psychopathology symptoms in college students at the onset of the pandemic. *Journal of American College Health*.
- Shen, J.<sup>^</sup>, Schleider, J. L., Nelson, B. D., **Richmond, L. L.**, London, B., & Eaton, N. R. (2023). Disparities in COVID-19 related trauma and internalizing symptoms across sexual orientation and race/ethnicity during the pandemic. *Psychology of Sexual Orientation and Gender Diversity*.
- Handzlik, D.<sup>^</sup>, **Richmond, L. L.**, Skiena, S., Carr, M. A., Clouston, S. A. P., & Luft, B. J. (2023). Explainable automated evaluation of the Clock Drawing Test for memory impairment screening. *Alzheimer's and Dementia: Diagnosis, Assessment, and Disease Monitoring*, 15(2), e12441.
- Richmond, L. L.**, Kearley, J.<sup>^</sup>, Schwartz, S. T.<sup>^</sup>, & Hargis, M. B. (2023). Take a load off: Examining partial and complete cognitive offloading of medication information. *Cognitive Research: Principles and Implications*, 8(1), 1-19.
- Lin, S.<sup>^</sup>, Schleider, J. L., Nelson, B. D., **Richmond, L. L.**, & Eaton, N. R. (2023). Gender and racial/ethnic disparities in undergraduate and graduate students' mental health and treatment use amid the COVID-19 pandemic. *Administration and Policy in Mental Health and Mental Health Services Research*, 1-11.
- Garlitch, S. M.<sup>^</sup>, **Richmond, L. L.**, Ball, B. H., & Wahlheim, C. N. (2022). Adult age differences in the dynamics of context retrieval: Subjective remembering in dual-list free recall. *Memory*, 31(2), 218-233.
- Richmond, L. L.**, Sargent, J. Q., & Zacks, J. M. (2022). Virtual navigation in healthy aging: Activation during learning and deactivation during retrieval predicts successful memory for spatial locations. *Neuropsychologia*, 173, 108298.
- Richmond, L. L.**, Brackins, T.<sup>^</sup>, & Rajaram, S. (2022). Episodic memory performance modifies the strength of the age-brain structure relationship. *International Journal of Environmental Research and Public Health*, 19(7), 4364.
- Richmond, L. L.**, Burnett, L. K.<sup>^</sup>, Morrison, A. B., & Ball, B. H. (2022). Performance on the processing portion of complex working memory span tasks is related to working memory capacity estimates. *Behavior Research Methods*, 54(2), 780-794.
- Ahuvia, I. L.<sup>^</sup>, Sung, Y. J.<sup>^</sup>, Dobias, M. L.<sup>^</sup>, Nelson, B. D., **Richmond, L. L.**, London, B., & Schleider, J. L. (2022). College student interest in teletherapy and self-guided mental health supports during the COVID-19 pandemic. *The Journal of American College Health*, 1-7.

- Inman, E. M.<sup>^</sup>, Bermejo, R. M.<sup>^</sup>, McDanal, R.<sup>^</sup>, Nelson, B. D., **Richmond, L. L.**, Schleider, J. L., & London, B. (2021). Discrimination and psychosocial engagement during the COVID-19 pandemic. *Stigma and Health*, *6*(4), 380–383.
- Chen, A., Clouston, S. A. P., Kritikos, M., **Richmond, L. L.**, Meliker, J., Mann, F., Santiago Michaels, S., Pellecchia, A. C., Carr, M. A., Kuan, P., Bromet, E. J., & Luft, B. J. (2021). A deep learning approach for monitoring parietal-dominant Alzheimer's disease in World Trade Center responders at midlife. *Brain Communications*, *3*(3), fcab145.
- Clouston, S. A. P., **Richmond, L. L.**, Scott, S. B., Luhmann, C., Natale, G., Hanes, D., Zhang, Y., & Smith, D. M. (2020). Pattern recognition to objectively differentiate the etiology of cognitive decline: Analysis of the impact of stroke and Alzheimer's disease. *Neuroepidemiology*, *54*(6), 446-453.
- Morrison, A. B.\* & **Richmond, L. L.\*** (2020). Offloading items from memory: Individual differences in cognitive offloading in a short-term memory task. *Cognitive Research: Principles and Implications*, *5*(1), 1-13.
- Richmond, L. L.**, Sargent, J. Q., Flores, S., & Zacks, J. M. (2018). Age differences in spatial memory for mediated environments. *Psychology and Aging*, *33*(6), 892-903.
- Richmond, L. L.**, & Zacks, J. M. (2017). Constructing experience: Event models from perception to action. *Trends in Cognitive Sciences*, *21*(12), 962-980.
- Richmond L. L.**, Gold, D. A., & Zacks, J. M. (2017). Improving event cognition: From the laboratory to the clinic. *Journal of Applied Research in Memory and Cognition*, *6*(2), 153-157.
- Richmond L. L.**, Gold, D. A., & Zacks, J. M. (2017). Event perception: Translations and applications. *Journal of Applied Research in Memory and Cognition*, *6*(2), 111-120.
- Wahlheim, C. N., Ball, B. H., & **Richmond, L. L.** (2017). Adult age differences in production and monitoring in dual-list free recall. *Psychology and Aging*, *32*(4), 338-353.
- Wahlheim, C. N, **Richmond, L. L.**, Huff, M. J., & Dobbins, I. G. (2016). Characterizing adult age differences in the initiation and organization of retrieval: A further investigation of retrieval dynamics in dual-list free recall. *Psychology and Aging*, *31*(7), 786-797.
- Richmond, L. L.**, Redick, T. S., & Braver, T. S. (2015). Remembering to prepare: The benefits (and costs) of high working memory capacity. *Journal of Experimental Psychology: Learning, Memory and Cognition*, *41*(6), 1764-1777.
- DiMenichi, B. C.<sup>^^^</sup>, & **Richmond, L. L.** (2015). Reflecting on past failures leads to increased perseverance and sustained attention. *Journal of Cognitive Psychology*, *27*(2), 180-193.

- Richmond, L. L.,** Wolk, D., Chein, J., & Olson, I. R. (2014). Transcranial direct current stimulation (tDCS) enhances verbal working memory training performance over time and near transfer outcomes. *Journal of Cognitive Neuroscience*, *26*(11), 2443-2454.
- Richmond, L. L.,** Wolk, D. A., Coslett, H. B., Vyas, G., & Olson, I. R. (2013). Repeated daily exposure to direct current stimulation does not result in sustained or notable side effects. *Brain Stimulation*, *6*(6), 974-976.
- Richmond, L. L.,** Thorpe, M.<sup>^^</sup>, Berryhill, M. E., Klugman, J., & Olson, I. R. (2013). Individual differences in autistic trait load in the general population predicts visual working memory performance. *Quarterly Journal of Experimental Psychology*, *66*(6), 1182-1195.
- Grossman, M., Peele, J. E., Smith, E. E., McMillan, C. T., Cook, P., Powers, J., Dreyfuss, M., Bonner, M. F., **Richmond, L. L.,** Boller, A., Camp, E., & Burkholder, L. (2013). Category-specific semantic memory: Converging evidence from BOLD fMRI and Alzheimer's disease. *NeuroImage*, *68*, 263-274.
- Berryhill, M. E., **Richmond, L. L.,** Shay, C. S.<sup>^^</sup>, & Olson, I. R. (2012). Shifting attention among working memory representations: Testing cue type, awareness, and strategic control. *Quarterly Journal of Experimental Psychology*, *65*(3), 426-438.
- Richmond, L. L.,** Morrison, A., Chein, J., & Olson, I. R. (2011). Working memory training & transfer in older adults. *Psychology and Aging*, *26*(4), 813-822.
- Koss, S., Clark, R., Vesely, L., Weinstein, J., Anderson, C., **Richmond, L. L.,** Farag, C., Gross, R., Liang, T., & Grossman, M. (2010). Numerosity impairment in Corticobasal Syndrome. *Neuropsychology*, *24*(4), 476-492.
- Bonner, M. F., Vesely, L., Price, C., Anderson, C., **Richmond, L. L.,** Farag, C., Avants, B., & Grossman, M. (2009). Reversal of the concreteness effect in semantic dementia. *Cognitive Neuropsychology*, *26*(6), 568–579.
- Libon, D. J., McMillan, C., Gunawardena, D., Powers, C., Massimo, L., Khan, A., Morgan, B., Farag, C., **Richmond, L. L.,** Weinstein, J., Moore, P., Coslett, H. B., Chatterjee, A., Aguirre, G., & Grossman, M. (2009). Neurocognitive contributions to verbal fluency deficits in frontotemporal lobar degeneration. *Neurology*, *73*(7), 535–542.

### Book Sections/Chapters

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<sup>^</sup> graduate student author

- Richmond, L. L.,** & Burnett, L. K.<sup>^</sup> (2022). Characterizing older adults' real world memory function using ecologically valid approaches. *Psychology of Learning and Motivation*, 193-232.
- Richmond, L. L.,** Scott, S. B. & Levy, S. R. (2019). Superagers and ageism. In D. Gu, & Dupre, M. E. (Eds.) *Encyclopedia of Gerontology and Population Aging*. New York, NY: Springer.



- ◇ **F32 Individual Postdoctoral Ruth L. Kirschstein NRSA, NIH/NIA (2015-2018)**  
Title: *Training Long-Term Memory for Events*  
Role: Principal Investigator
- ◇ **Washington University in St. Louis Department of Psychological & Brain Sciences Postdoctoral Research Grant (2015-2016)**
- ◇ **Temple University College of Liberal Arts Graduate Fund for Excellence (Fall 2011)**
- ◇ **Temple University Hamilton Endowment Fund (Summer 2011)**
- ◇ **Temple University Department of Psychology Graduate Student Travel Fund (2010-2013)**
- ◇ **Temple University College of Liberal Arts Graduate Fund for Excellence (Summer 2010)**

### Awards & Honors

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- ◇ Society for Applied Research in Memory and Cognition J. Don Read Early Career Award (2023)
- ◇ Collaboratory on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia Travel Scholarship (2019)
- ◇ Association for Psychological Science Rising Star (2019)
- ◇ Fellow, Psychonomic Society (2018)
- ◇ Scholar, Butler-Williams Scholars Program, National Institute on Aging (2016)
- ◇ Honorable Mention, James McKeen Cattell Award for Outstanding Doctoral Dissertation in Psychology (2013)
- ◇ American Psychological Foundation/Council of Graduate Departments of Psychology Award (2012)
- ◇ Fellow, 2012 Training Course in fMRI, University of Michigan (2012)
- ◇ Thomas E. Shipley, Jr. Research Award (2012)
- ◇ Fellow, Summer Institute in Cognitive Neuroscience, UC Santa Barbara (2011)

### Symposia Organized

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**Richmond, L. L.** (2022, November). Age-Related Patterns for Memories and Future Projections During the COVID-19 Pandemic. Symposium presented at the 63<sup>rd</sup> Annual Meeting of the Psychonomic Society, Boston, MA.

### Selected Posters & Presentations (since 2011)

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*\* denotes an oral presentation, ^^ denotes undergraduate student presenter, ^ denotes graduate student presenter*

Burnett, L. K.<sup>^</sup>, Ball, B. H., Kearley, J.<sup>^</sup>, Gilbert, S. J., Morrison, A. B., & **Richmond, L. L.** (2023, November). Individual differences in cognitive and metacognitive correlates of cognitive offloading. To be presented at the Symposium for Individual Differences in Cognition, San Francisco, CA.

**\*Richmond, L. L.** & Burnett, L. K.<sup>^</sup> (2023, November). Cognitive offloading confers an age related advantage for recall of health-related information. To be presented at the 64<sup>th</sup> Annual Meeting of the Psychonomic Society, San Francisco, CA.

- Burnett, L. K.<sup>^</sup> & **Richmond, L. L.** (2023, November). Beliefs about access to offloaded information at test impacts depth of encoding. To be presented at the 64<sup>th</sup> Annual Meeting of the Psychonomic Society, San Francisco, CA.
- Sargent, J. Q., **Richmond, L. L.**, Kellis, D. M., Smith, M. E., & Zacks, J. M. (2023, November). No evidence for chunking in spatial memory of route experience. To be presented at the 64<sup>th</sup> Annual Meeting of the Psychonomic Society, San Francisco, CA.
- \***Richmond, L. L.** (2023, August). Testing everyday memory in the lab: Translations and applications. J. Don Read Early Career Award Keynote Address, Society for Applied Research in Memory and Cognition XIV 2023 Meeting, Nagoya, Japan.
- \***Richmond, L. L.** & Burnett, L. K.<sup>^</sup> (2023, August). Older adults' performance for both simple and complex memoranda benefits from cognitive offloading. Presented as part of the "Cognitive Offloading and Strategy Use in Prospective and Retrospective Memory" symposium, Society for Applied Research in Memory and Cognition XIV 2023 Meeting, Nagoya, Japan.
- Popoviciu, A.<sup>^</sup>, Rajaram, S., & **Richmond, L. L.** (2023, May). Characterization of white matter integrity across the adult lifespan: Tract-specific comparison of averaged and lateralized approaches. Presented at the 2023 Association for Psychological Science Annual Convention, Washington, DC.
- Brackins, T.<sup>^</sup>, Rajaram, S., & **Richmond, L. L.** (2023, February). Changes in hippocampal volumes are associated with age and episodic memory performance: A longitudinal analysis. Presented at the Dallas Aging and Cognition Conference, Dallas, TX.
- \***Richmond, L. L.** (2023, January). Memory errors in late life: The importance of everyday memory. Invited talk presented at the Geriatrics Grand Rounds Clinical Case Conference, Albert Einstein University (Virtual).
- \***Richmond, L. L.**, Peña, T.<sup>^</sup>, Burnett, L. K.<sup>^</sup>, & Rajaram, S. (2022, November). Memories and future thinking under COVID-19: Durability of age-related patterns up to 10-year future projections. Presented at the 63<sup>rd</sup> Annual Meeting of the Psychonomic Society, Boston, MA.
- Burnett, L. K.<sup>^</sup> & **Richmond, L. L.** (2022, November). Cognitive offloading benefits performance and reduces inter-individual variability: A meta-analysis. Presented at the 63<sup>rd</sup> Annual Meeting of the Psychonomic Society, Boston, MA.
- Kearley, J.<sup>^</sup>, **Richmond, L. L.**, Schwartz, S. T.<sup>^</sup>, & Hargis, M. B. (2022, November). Take a load off: Examining partial and complete cognitive offloading of medication information. Presented at the 63<sup>rd</sup> Annual Meeting of the Psychonomic Society, Boston, MA.
- Peña, T. <sup>^</sup>, Burnett, L. K.<sup>^</sup>, Rajaram, S., & **Richmond, L. L.** (2022, April). Personal and National Mental Time Travel across the Adult Lifespan during COVID-19. Presented at the biennial Cognitive Aging Conference, Atlanta, GA.

- Burnett, L. K.<sup>^</sup> & **Richmond, L. L.** (2022, April). Putting cognitive offloading to the test: Benefits for memory of complex health information with real-world relevance in older and young adults. Presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Burnett, L. K.<sup>^</sup> & **Richmond, L. L.** (2022, April). Just write it down: Similarity in the use of and benefit from cognitive offloading in older and young adults. Presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Garlitch, S.<sup>^</sup>, **Richmond, L. L.**, Ball, B. H., & Wahlheim, C. N. (2022, April). Adult age differences in free recall dynamics and subjective reports of retrieved context. Presented at the biennial Cognitive Aging Conference, Atlanta, GA.
- Burnett, L. K. <sup>^</sup>, Peña, T.<sup>^</sup>, Rajaram, S., & **Richmond, L. L.** (2021, November). Negativity bias for memories of national past and positivity for national future in 2020: Novel patterns of valence in middle-aged and older adults for recent periods. Presented at the 62<sup>nd</sup> Annual Meeting of the Psychonomic Society (Virtual).
- \***Richmond, L. L.**, Brackins, T.<sup>^</sup>, & Rajaram, S. (2021, November). Bringing it all together: Age and memory performance interact to predict hippocampal volume over the adult lifespan. Presented at the 62<sup>nd</sup> Annual Meeting of the Psychonomic Society (Virtual).
- Garlitch, S.<sup>^</sup>, **Richmond, L. L.**, Ball, B. H., & Wahlheim, C. N. (2021, November). Adult age differences in free recall dynamics and subjective reports of retrieved context. Presented at the 62<sup>nd</sup> Annual Meeting of the Psychonomic Society (Virtual).
- \***Richmond, L. L.** & Burnett, L. K.<sup>^</sup> (2021, July). Older and younger adults do not differ in their use of and benefit from offloading in a retrospective short-term memory task. Presented at the Cognitive Offloading Meeting 2021 (Virtual).
- \*Burnett, L. K.<sup>^</sup> & **Richmond, L. L.** (2021, July). A meta-analytic review of the benefit of using cognitive offloading to perform memory-based tasks. Presented at the Cognitive Offloading Meeting 2021 (Virtual).
- \* **Richmond, L. L.** & Morrison, A. B. (2021, April). Working memory: Limitations and remediations. Invited talk at the Early Career Virtual Speaker Series, presented at the University of Nevada, Reno.
- Inman, E. M.<sup>^</sup>, Bermejo, R.<sup>^</sup>, McDanal, R.<sup>^</sup>, Nelson, B., **Richmond, L. L.**, Schleider, J., & London, B. (2021, February). Identity models of discrimination and psychosocial engagement during the COVID-19 pandemic. Poster presentation at the 2021 Society for Personality and Social Psychology (SPSP) Virtual Convention.
- Burnett, L. K.<sup>^</sup>, **Richmond, L. L.**, Morrison, A. B., & Ball, B. H. (2020, November). More than just a performance check: Processing performance on complex span tasks is related to working memory capacity estimates. Poster presentation at the 61<sup>st</sup> Annual Meeting of the Psychonomic Society (Virtual).

Ferguson, G.<sup>^</sup>, Monahan, C.<sup>^</sup>, Levy, S., Rajaram, S., **Richmond, L. L.**, Scott, S. B. (2020, November). Stony Brook University Forging Intergenerational Links through Life Story Sharing Project. Presented at the Academy for Gerontology in Higher Education student symposium "Bridging the Gap: Shifting Population Dynamics and Opportunities to Inform and Educate Communities."

\***Richmond, L. L.** (2020, October). Behavioral and brain basis of spatial memory deficits in aging. Invited talk at the Growing Up in Aging Neuroscience Virtual Mini Symposium.

Morrison, A. B., **Richmond, L. L.**, Duffy, N.<sup>^^^</sup>, Hatcher, R.<sup>^^^</sup> & Thorton, S. (2019, November). Investigating the relationship between cognitive offloading and working memory capacity: A replication and extension of Risko & Dunn, 2015. Presented at the 60<sup>th</sup> Annual Meeting of the Psychonomic Society, Montreal, Quebec, Canada.

**Richmond, L. L.**, Sargent, J. Q., & Zacks, J. M. (2018, May). Neural signatures of landmark location memory in aging. Presented at the 2018 Cognitive Aging Conference, Atlanta, GA.

**Richmond, L. L.**, & Zacks, J. M. (2017, November). An unobtrusive cueing procedure that improves everyday event segmentation. Presented at the 58<sup>th</sup> Annual Meeting of the Psychonomic Society, Vancouver, British Columbia, Canada.

\***Richmond, L. L.** (2016, December). From the living room to the laboratory: Individual variability in and improvement of everyday cognition. Presented at Connecticut College, New London, CT.

\***Richmond, L. L.** (2016, November). From the living room to the laboratory: Everyday cognition in aging. Presented at Stony Brook University, Stony Brook, NY.

**Richmond, L. L.**, & Zacks, J. M. (2016, November). tDCS does not modulate response times in a visuomotor vigilance task. Presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA.

**Richmond, L. L.**, Sargent, J. Q., Flores, S., & Zacks, J. M. (2015, November). Contributions of nonspatial cognitive ability to route memory in young and older adults. Presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

Sargent, J. Q., Kellis, D.<sup>^^^</sup>, **Richmond, L. L.**, & Zacks, J. M. (2015, November). Route learning: The effects of naturalistic and explicit spatial cues. Presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

Wahlheim, C. N., Huff, M. J., & **Richmond, L. L.** (2015, November). Age differences in the focus of retrieval: Evidence from dual-list free recall. Presented at the 56<sup>th</sup> Annual Meeting of the Psychonomic Society, Chicago, IL.

**Richmond, L. L.**, Sargent, J. Q., Flores, S., & Zacks, J. M. (2014, November). Memory for landmark location in younger and older adults. Presented at the 55<sup>th</sup> Annual Meeting of the Psychonomic Society, Long Beach, CA.

- Sargent, J. Q., Kellis, D.^^^, Howell, D., **Richmond, L. L.**, & Zacks, J. M. (2014, November). The influence of doorways and walls on spatial memory formation. Presented at the 55th Annual Meeting of the Psychonomic Society, Long Beach, CA.
- Richmond, L. L.**, Wolk, D., & Olson, I. R. (2013, November). Non-invasive brain stimulation enhances learning in an adaptive complex span task and near-transfer outcomes. Presented at the 54th Annual Meeting of the Psychonomic Society, Toronto, Ontario, Canada.
- \***Richmond, L. L.** (2013, October). Brain power: Enhancing learning and memory with transcranial direct current stimulation. Presented at the Brain, Behavior, Cognition Colloquium, Washington University in St. Louis, St. Louis, MO.
- Richmond, L. L.**, Wolk, D., & Olson, I. R. (2013, April). Enhancing training and transfer effects by applying non-invasive brain stimulation during working memory training. Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- \***Richmond, L. L.** (2013, March). The influence of transcranial direct current stimulation on working memory training and transfer. Presented at the Center for Cognitive Neuroscience talk series, University of Pennsylvania, Philadelphia, PA.
- Richmond, L. L.**, Redick, T. S., & Braver, T. S. (2012, November). Working memory capacity influences strategic choice on a cognitive control task. Presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- Richmond, L. L.**, Mancuso, L., Wolk, D., & Olson, I. R. (2012, November). Influence of transcranial direct current stimulation (tDCS) on complex span performance. Presented at the 53rd Annual Meeting of the Psychonomic Society, Minneapolis, MN.
- \***Richmond, L. L.** (2012, March). Zap, there it is: Enhancing cognition with training and brain stimulation. Keynote speaker at Lehigh Carbon Community College Brain Awareness Week, Schnecksville, PA.
- \***Richmond, L. L.** (2011, August). Time, money and boredom: Common problems of working memory training regimes and some possible solutions. Presented at the First International Workshop on Cognitive and Working Memory Training, College Park, MD.
- \***Richmond, L. L.** (2011, August). Special Topics on Neuroscience of Individuality, Gender and Aging: Aging and cognition. Discussion session presented at Neuroscience Boot Camp 2011, University of Pennsylvania, Philadelphia, PA.
- \***Richmond, L. L.** (2011, August). Special Topics in Cognitive Neuroscience: Cognitive training. Discussion session presented at Neuroscience Boot Camp 2011, University of Pennsylvania, Philadelphia, PA.
- Richmond, L. L.**, Morrison, A., Chein, J., & Olson, I. R. (2011, February). Older adults show improved everyday memory and attention via a working memory training regime. Presented at the International Neuropsychological Society meeting, Boston, MA.

**Richmond, L. L., & Giovannetti, T. (2011, February).** Errors in hierarchical ordering of scripts: A performance-based analysis. Presented at the International Neuropsychological Society meeting, Boston, MA.

## **Mentoring**

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### **Graduate Students Mentored**

Katie (Lois) Burnett (2019-Present), Timothy Brackins (2020-Present), Ariana Popoviciu (2021-Present), Ryan Taylor (2022-Present)

### **Student Committees (within Department)**

Dissertation Committee Chair: Raeya Maswood (2019- 2020), Nicholas Pepe (2020-2021), Zared Shawver (2020-2021), Tori Peña (2022-2023), Garrett Greeley (2023-Present)

Dissertation Committee Member: Kayla Donaldson (2022-2023), Ryan Wales (2022-2023), Aline Szency (2023-Present), Daisy Zavala (2023-Present), Morgan McNair (2023-Present)

Dissertation Proposal Committee Member: Brianna Gonzalez (2022)

Specialties Committee Chair: Tori Pena (2021), Garrett Greely (2022), Alejandra Estrada (2023)

Specialties Committee Member: Giancarlo Pasquini (2020), Ryan Wales (2020), Aline Szency (2022), Morgan McNair (2022), Jacquelyn Gates (2023)

Second Year Paper (Second Reader): Tori Peña (2020), Garrett Greely (2021), Alejandra Estrada (2022)

First Year Paper (Second Reader): Tori Peña (2019), Garrett Greeley (2020), Alejandra Estrada (2021)

### **Student Committees (outside of Department)**

Dissertation Committee: Regina Roofeh (SBU SOM Program in Public Health; 2022-2023)

Comprehensive Exam Committee: Regina Roofeh (SBU SOM Program in Public Health; 2020-2021); Yuan Yang (SBU SOM Program in Public Health; 2022-2023)

### **Undergraduate Students Mentored**

Stony Brook University: Rachel Hatcher (2019), Shivangi Sagar (2019), Diana Valdez (2019), Michael Igbunugo (2019), Nicole Duffy (2019-2020), Kate Aufort (2019-2020), Caleigh Glazier (2019-2020), Sophia Wang (2020), Kylie Fried (2020- 2021), Amanda Truppo (2020- 2021), Santhosh Koduri (2020- 2021), Jacqueline Ho (WISE Honors Student, 2020- 2021), Joli Vidal (2020-2021), Sierra Klaassens (2021), Samara Sibblies (2021- 2022), Dhanwantari Chowdry (2021- 2022), Asa Wong (2021- 2022), Ali Ahmad (2021-2022), Farhana Khatun (2021- 2022), Elita Lee (2021- 2022), Dmitro Gubenko (2021- 2023), Jenna Schugart (2022- 2023), Ayumi Nakagawa (2022-2023), Veronica Aurigue (2023), Dhiya Viddigiri (2021-Present), Natalya Franklin (2022-Present), Samina Kondaker (2022-Present), Saif Sahawneh (2023-Present), Madina Azizi (2023-Present), Stephanie Chen (2023-Present)

Washington University in St. Louis: Angela Lee (2013-2014), Todd Vogel (2014), Ashleigh Rutherford (2014), Alexander Knops (2014-2015), Rishi Patel (2014-2015), Devin Kellis (2015), Ujunwa Nwosou (2015), Alexander Haubold (2015), Trisha Prabhu (2016), Madeleine Fish (2016), Mari Hattenbach (2016), Jodi Backalar (2016-2018), Katie Muson (2017), Madeleine Schroedel (2017), Garrett Cunningham (2017), Melissa Levin (2018), Aditya Katyal (2018), Shuhao Li (2018-2019), Priscilla Mei (2018-2019)

Temple University: Sheetal Amin (2009-2010), Ashley Selig (2009-2010), Katelyn Welschans (2009-2010), Melissa Thorpe (2010), Brynne DiMenici (2011-2013)

### **Courses Taught**

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~indicates guest lecture

#### Stony Brook University

<i>Developmental Psychology (Lifespan)</i>	S20, S21, F21, S23
<i>Cognitive Neuroscience of Aging</i>	F19, S22, F23
<i>Cognitive Aging (Graduate)</i>	S19, F20, F22
<i>Memory</i>	F18, F19, F20, F21, F22
<i>~Art + The Brain</i>	S22, S23

#### Washington University in St. Louis

<i>Developmental Psychology (Online format)</i>	S18
<i>Psychology of Aging (Online format)</i>	S17
<i>~Cognitive Psychology</i>	F14, S17
<i>Introduction to Psychology</i>	S16, F16
<i>Cognitive Neuroscience</i>	F14

#### Bucks County Community College

<i>Introduction to Psychology (Online format)</i>	S11
<i>Introduction to Psychology</i>	F08

### **Professional Service**

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Ad-Hoc Reviewer: *Acta Psychologica; Advances in Cognitive Psychology; Aging, Neuropsychology, & Cognition; Applied Cognitive Psychology; Attention, Perception & Psychophysics; Brain & Cognition; Behavior Research Methods; Cerebral Cortex; Cognition; Cognitive Research: Principles and Implications; Developmental Neurorehabilitation; Experimental Brain Research; Infant and Child Development; Journal of Applied Research in Memory & Cognition; Journal of Autism and Developmental Disorders; Journal of Cognitive Neuroscience; Journal of Experimental Psychology: Learning, Memory and Cognition; Journal of Gerontology: Psychological Sciences; Journal of Memory and Language; Journal of Psychiatric Research; Journal of Neurological Sciences; Learning and Memory; Memory & Cognition; Neurobiology of Aging; Neurobiology of Learning and Memory; Neuropsychologia; Plos One; Proceedings of the National Academy of Sciences of the United States of America; Psychological Science; Psychonomic Bulletin & Review; Psychophysiology; Quarterly Journal of Experimental Psychology; Restorative Neurology & Neuroscience*

Association for Psychological Science

Student Grant Competition Reviewer (2014)

National Science Foundation Ad Hoc Grant Reviewer (March 2022)

National Institutes of Health Grant Reviewer, Learning, Memory, and Decision Neuroscience Scientific Review Panel (June 2021)

Psychonomic Society

Focus Group Member, Early Career (2022)

Graduate Conference Award Reviewer (2019-2020, 2022-2023)

Session Chair, Cognitive Aging I, Annual Psychonomic Society Meeting (2021)

Society for Neuroscience

Brain Awareness Week, Franklin Institute (2011-2013)

Swiss National Science Foundation, External Reviewer (January 2023)

Women in Cognitive Science (WiCS)

Mentor, Speed Mentoring at the Annual Psychonomic Society Meeting (2019-2023)

Panelist, "Making the Invisible Visible" at the Society for Applied Research in Memory and Cognition Meeting (2021)

Mentor, Speed Mentoring at the Society for Applied Research in Memory and Cognition Meeting (2021)

## **Institutional Service**

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Stony Brook University

Reviewer, Office of the Vice President for Research Seed Grant Competition (2023)

Member, Biomedical Tiger Team: Aging, Development, & Life Span (2022-2023)

Graduate Council Fellowship and Awards Committee (2020, 2021)

Stony Brook University, Department of Psychology

Graduate Committee, Cognitive Science area representative (2023-Present)

Panel Member, Psi Chi Faculty Panel (Fall 2022)

Departmental Diversity Research & Teaching Committee (2022-Present)

Psychology Scholarship Committee (2020-2023)

Undergraduate Committee, Cognitive Science area representative (2020-2023)

Departmental Diversity Seminar Committee (2020-2022)

Empire Innovation Program *Aging Brain* search committee member (2019-2020)

Panel Member, Psych Grad Student Group (Topic: *Academic Job Market*, Fall 2019)

Grievance Committee, Cognitive Science area representative (2018-Present)

Washington University in St. Louis, Department of Psychological & Brain Sciences

NIH Fellowship Small Writing Group Mentor (2017)

Amazing Brain Carnival Demonstrator, St. Louis Science Center (2016)

Undergraduate Journal Club Leader, Dynamic Cognition Lab (Spring, Fall 2014)

Organizer, tDCS Guest Lecture Series (2013-2014)

Temple University, Department of Psychology

Panel Member, Psychology Majors Association (Topic: *Graduate School*, Spring 2012)

Speaker, Professional Development Seminar (Topic: *Getting Published*, Fall 2011; *Being a TA*, Fall 2010)

Graduate Student Recruitment Committee (2010-2011)

## Public Science

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### Media coverage:

Sima, R. (2023, Jul 27). Trouble achieving goals? Why your brain needs reminders. *The Washington Post*. Retrieved from <https://www.washingtonpost.com/wellness/2023/07/27/reminders-goals-cognitive-offloading-strategies/>

Burby, L. N. (2021). Boosting Memory. *Stony Brook University Magazine*. Retrieved from <https://magazine.stonybrook.edu/boosting-memory/>

Lewis, A. (2021). How will we remember the pandemic? *Stony Brook Transformed: How the University and Hospital Confronted the Coronavirus*. Retrieved from <http://www.stonybrooktransformed.com/research/how-will-we-remember-the-pandemic/>

Moeller, S. (2018, December 16). Why you shouldn't be afraid of your aging brain. *Boston Globe Magazine*. Retrieved from <https://www.bostonglobe.com/magazine/2018/12/11/why-you-shouldn-afraid-your-aging-brain/EqCH209b4GIWhapNfjXIDM/story.html>

Munoz, L. M. P. (2017, November 9). Unwinding the movie reels in the mind's eye. *Cognitive Neuroscience Society*. Retrieved from <https://www.cogneurosociety.org/unwinding-movie-reels-in-minds-eye/>

Zacks, J. M. (2016, June 13). Getting smarter. *Aeon*. Retrieved from <https://aeon.co/essays/there-s-a-better-way-to-get-smarter-than-brain-training-games>

### Public Outreach:

**Richmond, L. L.** (2024, January 26). Understanding and maximizing the aging mind. To be presented at Kensington Gardens, St, James, NY.

**Richmond, L. L.** (2023, September 15). Understanding and maximizing the aging mind. Presented at Brightview Senior Living, Sayville, NY.

**Richmond, L. L.** (2023, August 25). Understanding and maximizing the aging mind. Presented at Sachem Public Library, Holbrook, NY.

**Richmond, L. L.** (2023, July 26). Understanding and maximizing the aging mind. Presented at Fountaingate Gardens Independent Senior Living Community, Commack, NY.

**Richmond, L. L.** (2023, July 11). Understanding and maximizing the aging mind. Presented at The Bristol at Holtsville Senior Living Complex, Holtsville, NY.

**Richmond, L. L.** (2022, September 22). Understanding and maximizing the aging mind. Virtual presentation, Port Jefferson Library, Port Jefferson, NY.

**Richmond, L. L.** (2022, July 28). Understanding memory. Presented at the Emma S. Clark Memorial Library, Setauket, NY.

- Richmond, L. L.** (2022, May 17). Cognitive training: Promise, pitfalls, and best practices. Presented at the North Shore Jewish Center Senior Group Meeting, Setauket, NY.
- Richmond, L. L.** (2021, October 5). Looking on the bright side: Age-related positivity bias and the COVID-19 pandemic. Presented at the North Shore Jewish Center Senior Group Meeting, Setauket, NY.
- Richmond, L. L.** (2021, June 14.) How do I get there from here?: Spatial navigation skill across the lifespan. Virtual presentation, Stony Brook University Osher Lifelong Learning Institute, Stony Brook, NY.
- Richmond, L. L.** (2020, October 26). Cognitive training: Promise, pitfalls, and best practices. Virtual presentation, Stony Brook University Osher Lifelong Learning Institute, Stony Brook, NY.
- Richmond, L. L.** (2020, June 11). Understanding and maximizing the aging mind. Virtual presentation, Pennswood Village, Newtown, PA.
- Richmond, L. L.** (2020, May 19). Understanding and maximizing the aging mind. Virtual presentation, Dementia-Friendly Newtown support group, Newtown, PA.
- Richmond, L. L.** (2020, January 27). Understanding memory across the lifespan and strategies to improve performance. Presented at the Smithtown Senior Citizens Department, Smithtown, NY.
- Richmond, L. L.** (2019, November 21). Understanding and maximizing the aging mind. Presented at Jefferson's Ferry Adult Community Center, Port Jefferson Station, NY.
- Richmond, L. L.** (2019, September 12). Understanding memory across the lifespan and strategies to improve performance. Presented at the Comsewogue Public Library, Port Jefferson Station, NY.
- Richmond, L. L.** (2019, August 13). Understanding and maximizing the aging mind. Presented at North Shore Jewish Center Senior Group Meeting, Setauket, NY.
- Richmond, L. L.** (2019, May 16). Maximizing memory: Five easy tips. Presented at the Rotary Club of Stony Brook Meeting, Setauket, NY.
- Richmond, L. L.** (2019, March 22). Understanding and maximizing the aging mind. Presented at Stony Brook University Osher Lifelong Learning Institute, Stony Brook, NY.
- Richmond, L. L.** (2019, March 19). Understanding and maximizing the aging mind. Presented at the Rose Caracappa Senior Center Town of Brookhaven Senior Group Meeting, Mt. Sinai, NY.
- Richmond, L. L.** (2019, March 13). Understanding and maximizing the aging mind. Presented at the Town of Brookhaven Recreation Center Senior Group Meeting, Centereach, NY.

**Richmond, L. L.** (2019, February 21). Understanding and maximizing the aging mind.  
Presented at St. Joseph's Village Senior Group Meeting, Selden, NY.

### **Other Relevant Experience and Skills**

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- ◇ Introduction to Programming in Python, Washington University in St. Louis (July 2017)
- ◇ AFNI Bootcamp, Washington University in St. Louis (January 2017)
- ◇ Open Science Framework Workshop, Washington University in St. Louis (November 2016)
- ◇ Introduction to Online Teaching course, Washington University in St. Louis (Fall 2016)
- ◇ Hierarchical Linear Modeling course, Washington University in St. Louis (Spring 2016)
- ◇ Training in eye tracking (EyeLink), Washington University in St. Louis (December 2015)
- ◇ Training in brain stimulation (tDCS, TMS) methods and neuropsychological assessment, Hospital of the University of Pennsylvania (January 2008-June 2013)
- ◇ Training in TMS administration and TMS safety, Hospital of the University of Pennsylvania (December 2012)
- ◇ Training course in fMRI, University of Michigan (August 2012)
- ◇ Neuroimaging course, Temple University (Fall 2011)
- ◇ fMRI Image Acquisition and Analysis course, University of New Mexico (June 2009)
- ◇ Research Specialist, University of Pennsylvania Health System, Neurology (September 2007-August 2009) PI: Murray Grossman, MD, EdD

### **Current Professional Memberships**

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- ◇ Association for Psychological Science
- ◇ Cognitive Neuroscience Society
- ◇ Psychonomic Society (Fellow, 2018-Present; Member, 2013-2018)
- ◇ Society for Applied Research in Memory and Cognition
- ◇ Women in Cognitive Science