

ALEXANDER L.M. SIEGEL

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EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA
Doctorate of Philosophy (Ph.D.), Cognitive Psychology, expected June 2020
Minor in Quantitative Psychology
Dissertation: *Examining motivating factors influencing attention, memory, and metacognition*
Dissertation committee: Dr. Alan Castel (Chair), Dr. Barbara Knowlton, Dr. Elizabeth Bjork, and Dr. Hal Hershfield

Master of Arts (M.A.), Cognitive Psychology, December 2016
Master's thesis: *Memory for important objects and locations in younger and older adults*

Tufts University, Medford, MA
Bachelor of Science (B.S.), Psychology, May 2015
Magna Cum Laude and Highest Thesis Honors
Honors thesis: *Integrating emotional content within visuospatial working memory*
Thesis committee: Dr. Ayanna Thomas (Chair), Dr. Holly Taylor, and Dr. Heather Urry

PUBLICATIONS

Siegel, A. L. M., Graup, R. S., & Castel, A. D. (in press). Emotion-enhanced binding of numerical information in younger and older adults. *Quarterly Journal of Experimental Psychology*.

Siegel, A. L. M., & Castel, A. D. (2019). Age-related differences in metacognition for memory capacity and selectivity. *Memory*, 27, 1236-1249.

Hargis, M. B., **Siegel, A. L. M.**, Castel, A. D. (2019). Motivated memory, learning, and decision making in older age: Shifts in priorities and goals. In G. Samanez-Larkin (Ed.), *The aging brain: Functional adaptation across adulthood* (pp. 135-163). Washington, DC: American Psychological Association.

Siegel, A. L. M., & Castel, A. D. (2018). The role of attention in remembering important item-location associations. *Memory & Cognition*, 46, 1248-1262.

Siegel, A. L. M., & Castel, A. D. (2018). Memory for important item-location associations in younger and older adults. *Psychology and Aging*, 33, 30-45.

Knowlton, B. J., **Siegel, A. L. M.**, & Moody, T. D. (2017). Procedural learning in humans. In H. Eichenbaum (Ed.), *Memory Systems*, Vol. 3 of *Learning and memory: A comprehensive reference*, 2nd edition, J. H. Byrne (ed.). pp. 295-312. Oxford: Academic Press.

RESEARCH INTERESTS

Memory and cognitive aging, selectivity in learning and memory, strategic attentional control processes, metacognition and metamemory, motivational factors in old age, age-related changes in judgment and decision-making

MANUSCRIPTS UNDER REVIEW AND IN PREPARATION

Siegel, A. L. M., & Castel, A. D. (under review). Visuospatial memory for emotional information: Evaluating automatic versus controlled attentional processes.

Siegel, A. L. M., & Castel, A. D. (under review). Comparing automatic and strategic influences on emotional item-location binding in aging.

Siegel, A. L. M., Carone, B. J., Castel, A. D., & Drolet, A. (in preparation). *Clinically studied or clinically proven: False memory for print advertisements suggesting products' scientific validity.*

Schwartz, S. T., **Siegel, A. L. M.**, & Castel, A. D. (in preparation). Choosing risks and rewards: Memory for positive and negative item-location associations.

Siegel, A. L. M., Hargis, M. B., Whatley, M. C., & Castel, A. D. (Invited book chapter, in preparation). Changes in learning, memory, and metacognition in older adulthood.

Hargis, M. B., **Siegel, A. L. M.**, Whatley, M. C., & Castel, A. D. (Invited book chapter, in preparation). Motivated cognition and curiosity in the aging consumer.

CONFERENCE PRESENTATIONS AND INVITED TALKS

Siegel, A. L. M., & Castel, A. D. (2019, May). *Comparing automatic and strategic influences on emotional item-location binding in aging.* Poster presented at the UCLA Conference on Aging in Los Angeles, CA.

Carone, B. J., **Siegel, A. L. M.**, Castel, A. D., & Drolet, A. (2019, May). *Clinically studied or clinically proven? False memory for print advertisements in aging.* Poster presented at the UCLA Conference on Aging in Los Angeles, CA and the UCLA Psychology Undergraduate Research Conference in Los Angeles, CA.

Shawn T. Schwartz, **Siegel, A. L. M.**, & Castel, A. D. (2019, May). *Risks and rewards: Memory for positive and negative item-location associations.* Poster presented at the UCLA Psychology Undergraduate Research Conference in Los Angeles, CA.

Siegel, A. L. M., & Castel, A. D. (2019, February). *How attentional load affects memory for important visuospatial information*. Invited talk presented by A. L. M. Siegel to the CLAMDIG research group at the University of York in York, United Kingdom.

Siegel, A. L. M., & Castel, A. D. (2019, January). *Examining effects of information importance on visuospatial memory in old age*. Invited talk presented by A. L. M. Siegel to the Language and Memory and Successful Ageing research groups at the University of Leeds in Leeds, United Kingdom.

Siegel, A. L. M., & Castel, A. D. (2018, November). *Memory for emotional objects in spatial locations: Effects of attentional load*. Poster presented at the Psychonomic Society's 59th Annual Meeting in New Orleans, LA.

Siegel, A. L. M., Carone, B. J., Castel, A. D., & Drolet, A. (2018, May). *Clinically studied or clinically proven? False memory for print advertisements*. Poster presented at the 30th Association for Psychological Science (APS) Convention in San Francisco, CA.

Siegel, A. L. M., & Castel, A. D. (2018, May). *Younger and older adults' predictions about memory and selectivity in a value-directed remembering task*. Poster presented at the Cognitive Aging Conference in Atlanta, GA, and the UCLA Conference on Aging in Los Angeles, CA*.

Carone, B. J., **Siegel, A. L. M., & Castel, A. D.** (2018, May). *The effect of music on proactive interference from semantically related categories*. Poster presented at the UCLA Psychology Undergraduate Research Conference in Los Angeles, CA.

Siegel, A. L. M., & Castel, A. D. (2018, April). *Remembering emotional objects and spatial locations: The role of value in binding*. Invited talk presented by A. D. Castel at the Society for Affective Science Conference in Los Angeles, CA.

Siegel, A. L. M., & Castel, A. D. (2017, November). *Distraction and visuospatial memory selectivity: Remembering important item and location associations under divided attention*. Poster presented at the Psychonomic Society's 58th Annual Meeting in Vancouver, Canada.

Graup, R. S., **Siegel, A. L. M., & Castel, A. D.** (2017, May). *The effects of emotional context on associative memory for numerical information in younger and older adults*. Poster presented at the UCLA Research Conference on Aging in Los Angeles, CA.

Siegel, A. L. M., & Castel, A. D. (2016, November). *Where are my glasses? Age-related differences on a visuospatial value-directed remembering task*. Poster presented at the Psychonomic Society's 57th Annual Meeting in Boston, MA.

Siegel, A. L. M., Hargis, M. B., McGillivray, S., Drolet, A., & Castel, A. D. (2016, May). *When wrinkles disappear with age: Temporal value asymmetry and aging*. Poster presented at the Cognitive Aging Conference in Atlanta, GA, and at the UCLA Research Conference on Aging*.

Siegel, A. L. M., & Thomas, A. K. (2015, January). *Integrating emotional content within visuospatial working memory*. Poster presented at the Summer Scholars Poster Presentation in Medford, MA, and the Tufts University Healthy and Active Aging Conference in Medford, MA.

*Awarded project

RESEARCH EXPERIENCE

Memory and Lifespan Cognition Lab, UCLA, Los Angeles, CA

Graduate Student Researcher, September 2015 – Present

Principal Investigator: Dr. Alan Castel

- Conducted extensive research on younger and older adults' memory for important and emotional information, time valuation across the lifespan, and changes in metacognition
- Trained in interdisciplinary methods including experimental design (experimental laboratory-based tasks, naturalistic observation studies, and structured interviews) and quantitative analyses (ANOVA, regression, hierarchical linear modeling, structural equation modeling)
- Published four first author peer-reviewed articles, two second author book chapters, and presented research at more than ten conferences to expert audiences

Cognitive Neuroscience Lab, UCLA, Los Angeles, CA

Graduate Student Researcher, September 2015 – Present

Principal Investigator: Dr. Barbara Knowlton

- Designed empirical studies examining executive functioning and memory in patients with early onset Alzheimer's disease and frontotemporal dementia
- Contributed as second author to book chapter detailing the neuroscientific mechanisms underlying procedural learning in humans

Cognitive Aging and Memory Lab, Tufts University, Medford, MA

Undergraduate Thesis Student & Research Assistant, August 2013 – May 2015

Principal Investigator: Dr. Ayanna Thomas

- Completed Senior Honors Thesis examining older adults' memory for emotional information in a sample of 1,200+ participants
- Received grant funding and highest honors for completion of thesis
- Contributed to empirical research projects concerning older adults' working memory and executive functioning

Cognitive Neuropsychology Lab, University of East London, London, UK
Research Assistant, February – April 2014
Principal Investigator: Dr. Ashok Jansari

- Created new facial recognition test to study own-race bias and tested prosopagnosics and super-recognizers on facial memory tasks

Lab for Youth Mental Health, Harvard University, Cambridge, MA
Research Assistant, June – December 2013
Principal Investigator: Dr. John Weisz

- Contributed to study examining effects of cognitive-behavioral therapy on children with social anxiety disorder and their relationship with their parents
- Directed participants through extensive experimental procedure including taking salivary cortisol samples and subjective measures of anxiety

TEACHING EXPERIENCE

Introduction to Cognitive Science (PSYCH 85), UCLA
Teaching Assistant, Spring 2017, Overall rating: 8.48 (out of 9)

Research Methods in Psychology (PSYCH 100B), UCLA
Teaching Associate, Summer 2018, Overall rating: 8.33 (out of 9)
Teaching Associate, Spring 2018, Overall rating: 9.00 (out of 9)
Teaching Assistant, Winter 2017, Overall rating: 8.45 (out of 9)

Cognitive Psychology (PSYCH 120A), UCLA
Teaching Associate, Fall 2018, Overall rating: 8.60 (out of 9)
Teaching Associate, Fall 2017, Overall rating: 8.53 (out of 9)
Teaching Assistant, Fall 2016, Overall rating: 8.59 (out of 9)
Teaching Assistant, Summer 2016, Overall rating: 8.17 (out of 9)

Laboratory in Cognitive Psychology (PSYCH 121), UCLA
Teaching Associate, Winter 2018, Overall rating: 8.82 (out of 9)

AWARDS AND FELLOWSHIPS

Distinguished University Fellowship (\$21,000), *UCLA*, September 2015 – June 2016
Graduate Summer Research Mentorship (\$6,000), *UCLA*, June 2017 – August 2017
Summer Scholars Grant (\$5,500), *Tufts University*, June 2014
Priscilla N. Dunne Prize (\$4,000), *Tufts University*, May 2015
Highest Thesis Honors, *Tufts University*, May 2015
Dean's List, *Tufts University*, September 2011 – May 2015

SKILLS AND TRAINING

Statistics: Analysis of variance, regression, mediation, correlation, nonparametric methods; familiarity with Bayesian statistics, hierarchical linear modeling, and structural equation modeling

Computer: R (course in progress), SPSS, Microsoft Excel, Qualtrics, Amazon MTurk

PROFESSIONAL MEMBERSHIPS

American Psychological Association (APA), *Member (Div. 20: Adult Development and Aging)*

Association for Psychological Science (APS), *Graduate Student Member*

Psi Chi Honors Society, *Eastern Region Member*

Psychonomic Society, *Graduate Student Member*

REVIEWING EXPERIENCE

Journal of Experimental Psychology: Learning, Memory, and Cognition*

Journal of Gerontology: Psychological Sciences*

Learning and Metacognition*

Memory & Cognition

Psychology and Aging

**Co-reviewer with Dr. Alan D. Castel*

UNDERGRADUATES MENTORED

Shawn Schwartz*, February 2018 – Present

Kelly McBratney, September 2017 – Present

Pria Daniel, January 2017 – Present

Rachel Graup*, September 2015 – June 2017

Jessica Block, March 2018 – Present

Brandon Carone*, April 2017 – Present

Haley Gallo, September 2016 – June 2017

Summer Meyer, January 2016 – June 2016

**Supervised undergraduate honors thesis student*