

Shawn T. Schwartz

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Education and Training

STANFORD UNIVERSITY

- 2021- Ph.D., Psychology (Neuroscience area)
Advisor: Anthony D. Wagner
- 2022- Member, Center for Mind, Brain, Computation and Technology (MBCT), Wu Tsai Neurosciences Institute
- 2021-2023 M.A., Psychology

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

- 2019-2021 M.S., Biology (Evolution track)
Thesis: *Automated high-throughput organismal image segmentation using deep learning for massive phenotypic analysis*; Advisor: Michael E. Alfaro
- 2015-2019 B.S., Cognitive Science (Specialization in Computing)
Departmental Highest Honors; Honors Thesis Advisor: Alan D. Castel
- 2015-2019 B.S., Biology (Specialization in Computing)
Departmental Honors; Honors Thesis Advisor: Michael E. Alfaro

Research Funding

- 2022-2024 Stanford University Wu Tsai Neurosciences Institute Human Performance Alliance Agility Grant (**\$200,000**)
Mitigating effects of attentional lapses and stereotype threat to improve performance (Anthony Wagner, PI Sponsor)

Honors and Awards

- 2022 Stanford University Wu Tsai Neurosciences Institute MBCT Travel Grant (**\$1,500**)
- 2022 Norman H. Anderson Research Grant, Stanford University Department of Psychology (**\$2,000**)
- 2021 2021 Horizon Prize for Education, Royal Society of Chemistry
- 2021 Sigma Xi Scientific Honor Society
- 2021 CIRTL Scholar Certification, UCLA Center for the Integration of Research, Teaching, & Learning
- 2021 2nd Place, UCLA Ecology and Evolutionary Biology 24th Annual Research Symposium
- 2021 Honorable Mention, National Science Foundation Graduate Research Fellowship Program (NSF GRFP)
- 2020 J. Frank Yates Student Conference Diversity & Inclusion Award, Psychonomic Society (**\$1,000**)
- 2020 IDRE Early Career Research Day Best Poster Award, UCLA
- 2020 Chancellor's Service Award, UCLA

2020 Timothy Chheang Memorial Scholarship Award, Department of Psychology, UCLA (**\$1,000**)
2020 Highest Departmental Honors, Psychology, UCLA
2020 Departmental Honors, Ecology and Evolutionary Biology, UCLA
2020 Dean's Prize Nominee for Excellence in Undergraduate Faculty-Mentored Research, UCLA

Service

COMMITTEES

2022- Member, Diversity, Inclusion, Belonging, Equity and Justice (DIBEJ) Committee, Wu Tsai Neurosciences Institute, Stanford University
2022- Member, Diversity Committee, Department of Psychology, Stanford University
2022- Member, Statistics Committee, Department of Psychology, Stanford University
2022- Member, Student Advisory Committee, Center for Mind, Brain, Computation and Technology, Wu Tsai Neurosciences Institute, Stanford University
2022-2023 Application Reader & Interview Liaison, Neuroscience Area Ph.D. Admissions, Department of Psychology, Stanford University
2021-2022 First-Year Graduate Student Representative, Department of Psychology, Stanford University

EVENTS AND INITIATIVES

October 2023 Lead Event Co-organizer, Paths to PhD Workshop, Stanford Psychology
June 2023 Co-organizer, MBCT Research Symposium, Wu Tsai Neurosciences Institute, Stanford University
Summer 2022 Lead Co-organizer & Program Representative, Neuroscience Undergraduate Research Opportunity for Community College Students (NeURO-CC) Program, DIBEJ Committee, Wu Tsai Neurosciences Institute, Stanford University
2022- Lead Organizer of Inclusive Syllabi Subcommittee, Department of Psychology, Stanford University
October 2022 Event Webinar & Panel Moderator, Paths to PhD Workshop, Stanford Psychology

TEACHING AND MENTORSHIP

2023- Supervisor of 2 Full-Time Social Sciences Research Coordinators, Stanford Memory Lab
September 2023 Lead Organizer + Instructor, Stanford Psychology Statistics, R, & Python Bootcamp for Incoming First-Year PhD Students
September 2022 Instructor, Stanford Psychology Statistics, R, & Python Bootcamp for Incoming First-Year PhD Students
Summer 2022 Supervisor, Stanford Symbolic Systems Summer Internship Program
Summer 2022 Supervisor, Stanford Psych-Summer Research Program
2021-2022 Research Advisor/Mentor for AP Research Course at Leland High School, San Jose, CA
2020 Volunteer High School Teacher, Splash@UCLA

REVIEWING

2020-2021 Referee, Association for Psychological Science (APS) Student Research Award
2020 Mathematics & Computer Sciences Judge, LA County Science and Engineering Fair

Publications

127 citations · h-index: 7 · i10-index: 6 (Google Scholar)

PEER-REVIEWED JOURNAL ARTICLES

2023

- [16] Murphy, D. H., **Schwartz, S. T.**, Alberts, K. O., Siegel, A. L. M., Carone, B. J., Castel, A. D., & Drolet, A. (2023). Clinically studied or clinically proven? Memory for claims in print advertisements. *Applied Cognitive Psychology*, 1-9. [doi:10.1002/acp.4106](https://doi.org/10.1002/acp.4106)
- [15] Whatley, M. C., **Schwartz, S. T.**, Block, J. B., & Castel, A. D. (2023). Memory, metamemory, and false memory for features of the Apple logo. *Applied Cognitive Psychology*, 1-15. [doi:10.1002/acp.4088](https://doi.org/10.1002/acp.4088)
- [14] Murphy, D. H., **Schwartz, S. T.**, & Castel, A. D. (2023). Value-directed retrieval: The effects of divided attention at encoding and retrieval on memory selectivity and retrieval dynamics. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 1-22. [doi:10.1037/xlm0001264](https://doi.org/10.1037/xlm0001264)
- [13] Richmond, L. L., Kearley, J., **Schwartz, S. T.**, & Hargis, M. B. (2023). Take a load off: Examining partial and complete cognitive offloading of medication information. *Cognitive Research: Principles and Implications*, 8(1), 12, 1-19. [doi:10.1186/s41235-023-00468-z](https://doi.org/10.1186/s41235-023-00468-z)
- *Stage I Registered Report In-Principle Acceptance (2021)*
- [12] **Schwartz, S. T.**, Siegel, A. L. M., Eich, T. S., & Castel, A. D. (2023). Value-directed memory selectivity relies on goal-directed knowledge of value structure prior to encoding in young and older adults. *Psychology and Aging*, 38(1), 30-48. [doi:10.1037/pag0000720](https://doi.org/10.1037/pag0000720)

2022

- [11] Murphy, D. H., **Schwartz, S. T.**, & Castel, A. D. (2022). Serial and strategic memory processes in goal-directed selective remembering. *Cognition*, 225, 1-17. [doi:10.1016/j.cognition.2022.105178](https://doi.org/10.1016/j.cognition.2022.105178)
- [10] Murphy, D. H., Silaj, K. M., **Schwartz, S. T.**, Rhodes, M. G., & Castel, A. D. (2022). An own-race bias in the categorisation and recall of associative information. *Memory*, 30(2), 190-205. [doi:10.1080/09658211.2021.1999982](https://doi.org/10.1080/09658211.2021.1999982)

2021

- [9] Silaj, K. M., **Schwartz, S. T.**, Castel, A. D., & McDonough, I. M. (2021). Is the future bright or bleak? Assessing past and future outlooks across the adult lifespan. *Gerontology and Geriatric Medicine*, 7, 1-10. [doi:10.1177/233372142111046080](https://doi.org/10.1177/233372142111046080)
- [8] **Schwartz, S. T.**, & Alfaro, M. E. (2021). *Sashimi*: A toolkit for facilitating high-throughput organismal image segmentation using deep learning. *Methods in Ecology and Evolution*, 12(12), 2341-2354. [doi:10.1111/2041-210X.13712](https://doi.org/10.1111/2041-210X.13712)
- [7] Snedden, C. E.*, Makanani, S. K.*, **Schwartz, S. T.**, Gamble, A., Blakey, R. V., Borremans, B., Helman, S. K., Espericueta, L., Valencia, A., Endo, A., Alfaro, M. E., & Lloyd-Smith, J. O. (2021). SARS-CoV-2: Cross-scale insights from ecology and evolution. *Trends in Microbiology*, 29(7), 593-605. [doi:10.1016/j.tim.2021.03.013](https://doi.org/10.1016/j.tim.2021.03.013)

*Equal Contribution

- [6] Siegel, A. L. M., **Schwartz, S. T.**, & Castel, A. D. (2021). Selective memory disrupted in intra-modal dual-task encoding conditions. *Memory & Cognition*, 49(7), 1453–1472. doi:10.3758/s13421-021-01166-1
- [5] Silaj, K. M., **Schwartz, S. T.**, Siegel, A. L. M., & Castel, A. D. (2021). Test anxiety and metacognitive performance in the classroom. *Educational Psychology Review*, 33(4), 1809–1834. doi:10.1007/s10648-021-09598-6

2018-2020

- [4] Whatley, M. C., Siegel, A. L. M., **Schwartz, S. T.**, Silaj, K. M., & Castel, A. D. (2020). Younger and older adults' mood and expectations regarding aging during COVID-19. *Gerontology and Geriatric Medicine*, 6, 1-9. doi:10.1177/2333721420960259
- [3] **Schwartz, S. T.**, Siegel, A. L. M., & Castel, A. D. (2020). Strategic encoding and enhanced memory for positive value-location associations. *Memory & Cognition*, 48(6), 1015-1031. doi:10.3758/s13421-020-01034-4
- [2] Alfaro, M. E., Karan, E. A., **Schwartz, S. T.**, & Shultz, A. J. (2019). The evolution of color pattern in butterflyfishes (Chaetodontidae). *Integrative and Comparative Biology*, 59(3), 604-615. doi:10.1093/icb/icz119
- [1] Dang, J., Lin, B., Yuan, J., **Schwartz, S. T.**, Shah, R. M., & Garg, N. K. (2018). Smart access to 3D structures. *Nature Reviews Chemistry*, 2(7), 95-96. doi:10.1038/s41570-018-0021-y

2021 Royal Society of Chemistry Horizon Prize for Education — For the creation of innovative chemical education resources that benefit how students, children, and the general public learn organic chemistry

Teaching Experience

GUEST LECTURES (x2)

- *Memory Across the Lifespan*, PSYCH 45, Stanford University, June 6, 2023
- *Special Topics in Machine Learning*, EEB C177/C234, UCLA, March 3, 2020

LAB SECTIONS (x9)

Introduction to Statistical Methods: Precalculus (PSYCH 10, STATS 60, STATS 160), Stanford

Instructor: Judith Fan

***Head TA for Course Lecture*, 150+ Undergraduates**

- *Graduate Teaching Assistant*, Fall 2023, XX Undergraduates (across 2 lab sections)

Introduction to Statistical Methods: Precalculus (PSYCH 10, STATS 60, STATS 160), Stanford

Instructor: Russ Poldrack

- *Graduate Teaching Assistant*, Winter 2023, 33 Undergraduates (across 2 lab sections)

Research Methods in Psychology (PSYCH 100B), UCLA

Instructors: Iris Firstenberg & Amber Ankowski

- *Graduate Teaching Associate*, Summer 2021, 16 Undergraduates (across 1 lab section)
- *Graduate Teaching Associate*, Summer 2021, 17 Undergraduates (across 1 lab section)
- *Graduate Teaching Associate*, Summer 2021, 18 Undergraduates (across 1 lab section)
- *Graduate Teaching Associate*, Fall 2020, 20 Undergraduates (across 1 lab section)
- *Graduate Teaching Associate*, Summer 2020, 20 Undergraduates (across 1 lab section)

Laboratory in Cognitive Psychology (PSYCH 121), UCLA

Instructor: Alan Castel

– *Graduate Teaching Associate*, Summer 2021, 24 Undergraduates (small seminar-style course)

Practical Computing for Evolutionary Biologists and Ecologists (EE BIOL C177/C234), UCLA

Instructor: Michael Alfaro

– *Graduate Teaching Assistant*, Winter 2020, 14 Undergraduates & 5 Graduate Students (small seminar-style course)

LECTURE SECTIONS (x3)

Introduction to Learning and Memory (PSYCH 45), Stanford

Instructor: Anthony Wagner

– *Graduate Teaching Assistant*, Spring 2023, >150 Undergraduates (no sections)

Evolutionary Medicine (EE BIOL 185), UCLA

Instructors: Pamela Yeh & Tyler McCraney

– *Graduate Teaching Associate*, Spring 2021, 24 Undergraduates (across 2 sections)

– *Graduate Teaching Assistant*, Spring 2020, 36 Undergraduates (across 2 sections)

SEMINAR COURSES (x3)

Biology and Social Justice (EE BIOL 156), UCLA

Instructor: Michael Alfaro

– *Graduate Teaching Associate*, Winter 2021, 42 Undergraduates (small seminar-style course)

– *Graduate Teaching Associate*, Summer 2020, 38 Undergraduates (small seminar-style course)

– *Graduate Teaching Assistant*, Fall 2019, 41 Undergraduates (small seminar-style course)

PROFESSIONAL DEVELOPMENT WORKSHOP COURSES (x1)

Introduction to R for Ecology and Evolutionary Biology (EE BIOL 201), UCLA

Instructors: Michael Alfaro, Jamie Lloyd-Smith, Noah Pinter-Wollman, & Kirk Lohmueller

– *Technical Assistant*, Fall 2019, 21 Graduate Students (small seminar-style course)

Professional Development Certifications

2019-2021

CIRTL Scholar, UCLA Center for the Integration of Research, Teaching, and Learning

– Systematically use evidence-based teaching methods to advance teaching and learning practice

– Designed and implemented a “Teaching-as-Research” project investigating the benefits of retrieval practice in remote learning contexts during the COVID-19 pandemic

Technical Skills

PROGRAMMING (13 YEARS OF EXPERIENCE)

Languages: R, Python, MATLAB, C++, PHP, JavaScript, HTML5, CSS3, SQL

Machine Learning Tools: TensorFlow, Keras, AlexNet, Mask R-CNN, deep/reinforcement learning

Other Relevant Tools: tidyverse, regular expressions, PsychoPy, jsPsych, Psychtoolbox

NEUROIMAGING AND OCULAR ASSAYS OF COGNITION

fMRI/Scalp EEG/Pupillometry Data Acquisition (GE SIGNA 3T MRI; EGI 128-/256-channel Geodesic Sensor Nets), Concurrent EEG/fMRI Data Acquisition/Analysis, Structural/Functional MRI & EEG pre-processing and analysis (FSL, fMRIPrep, Nilearn, EEGLAB, MNE), Eye-Tracking/Pupillometry (Tobii Pro Nano and MR-compatible EyeLink 1000 Plus systems)

STATISTICAL ANALYSES AND METHODS

model comparison, linear mixed effects modeling, frequentist and Bayesian linear and logistic regression, analysis of variance, correlation, chi-square, principal component analysis (PCA), exploratory and confirmatory factor analysis, Bayes factor, *k*-fold cross validation, non-parametric bootstrapping and re-sampling methods, Markov chain Monte Carlo (MCMC), multidimensional scaling, t-SNE, partitional K-means & hierarchical clustering, univariate fMRI GLM, multivariate pattern analysis

Selected Press Coverage of Research

"Neil Garg, UCLA students, his daughters win Royal Society of Chemistry Horizon Prize" *UCLA Newsroom*. (<https://newsroom.ucla.edu/dept/faculty/neil-garg-ucla-students-his-daughters-win-royal-society-of-chemistry-horizon-prize>) by Wolpert, S. (2021, November 23).

"Winner: 2021 Horizon Prize for Education" *Royal Society of Chemistry News*. (<https://www.rsc.org/prizes-funding/prizes/2021-winners/molecular-educators/>) by Royal Society of Chemistry. (2021, November 23).

"2021 Royal Society of Chemistry Horizon Prize for Education" *UCLA Chemistry & Biochemistry News*. (<https://www.chemistry.ucla.edu/news/2021-royal-society-chemistry-horizon-prize-education>) by Jennings, P. (2021, November 23).

"Early Career Research Day winner improves neural network training for biological research." *UCLA Institute for Digital Research & Education*. (<https://idre.ucla.edu/featured/early-career-research-day-winner-improves-neural-network-training-for-biological-research>) by Ventura, K. (2020, July 1).

"Student-developed tool brings 3D molecular models to smartphone screen." *The Daily Bruin*. (<https://dailybruin.com/2018/07/30/student-developed-tool-brings-3d-molecular-models-to-smartphone-screen>) by Nakahara, E. (2018, July 30).

Professional Experience

- 2020 **Freelance Front-End Web Developer, Associated Students UCLA (ASUCLA)**
– Designed, programmed, and maintained the Virtual UCLA New Student Orientation website
- 2019 **New Student Advisor, UCLA New Student & Transition Programs**
– Provided one-on-one counseling and academic advising to >150 new undergraduate students
– Supported new students with curriculum planning and transitioning to college
– Facilitated group discussions on sensitive topics (Title IX, substance abuse, sexual health)
- 2016-2019 **Full Stack Web Developer/Technical Assistant, ASUCLA**
– Redesigned entire ASUCLA institutional website and implemented backend

- Managed weekly mass email promotions for 12 UCLA campus stores
- 2017-2019 **Freelance Designer & Web Developer, Kidz Dental Care**
 - Designed, built, and maintained pediatric dentistry’s responsive websites
 - Created HIPAA-compliant secure patient information transmission pipeline
- 2016-2018 **Full Stack Web Developer, LanguageBird® , LLC**
 - Developed and managed dynamic user experience for an accredited online language school
- 2017-2019 **Care Extender Intern, Department Coordinator Assistant, UCLA Health – Santa Monica**
 - Shadowed medical staff in radiology, outpatient surgery, and emergency department
 - Audited Care Extender Interns throughout their assigned departments for quality control
- 2017-2018 **Data Analyst Intern, UCLA Health Faculty Practice Group**
 - Generated statistical reports for hospice referral using UCLA patients’ Electronic Medical Records

Conference Presentations and Talks

Presenting Author, **Undergraduate Trainee, *Research Coordinator Staff Trainee, † Equal Contribution*

2023

- [40] **Schwartz, S. T.*†**, Miller, D. S.†, Tran, T. T., Rathmann-Bloch, J. E.***, Park, J.***, Romero, A.***, Vossler, H.***, Sheng, J., Yang, H., Winer, J. R., Mormino, E. C., & Wagner, A. D. (2023, November). *Effects of attention, goal representation, and amyloid burden on episodic retrieval in cognitively unimpaired older adults.* **Poster** to be presented at the 52nd Annual Meeting of the Society for Neuroscience in Washington, DC, USA. November 14.
- [39] Miller, D. S.*†, **Schwartz, S. T.†**, Tran, T. T., Rathmann-Bloch, J. E.***, Park, J.***, Romero, A.***, Sheng, J., Yang, H., Mormino, E. C., & Wagner, A. D. (2023, November). *Effects of spontaneous lapses of attention on goal representation and episodic memory retrieval.* **Poster** to be presented at the 52nd Annual Meeting of the Society for Neuroscience in Washington, DC, USA. November 14.
- [38] Subbulakshmi, S.*, Romero, A.***, Rathmann-Bloch, J. E.***, Park, J.***, **Schwartz, S. T.**, Miller, D. S., Tran, T. T., Vossler, H.***, Trelle, A. N., Mormino, E. C., & Wagner, A. D. (2023, November). *Effects of white matter integrity and amyloid-β on sustained attention in cognitively unimpaired older adults.* **Poster** to be presented at the 52nd Annual Meeting of the Society for Neuroscience in Washington, DC, USA. November 14.
- [37] Park, J.****†, Rathmann-Bloch, J. E.****†, Subbulakshmi, S., **Schwartz, S. T.**, Miller, D. S., Tran, T. T., Romero, A.***, Vossler, H.***, Trelle, A. N., Mormino, E. C., & Wagner, A. D. (2023, November). *Effects of white matter integrity and amyloid-β on episodic delayed recall performance in cognitively unimpaired older adults.* **Poster** to be presented at the 52nd Annual Meeting of the Society for Neuroscience in Washington, DC, USA. November 14.
- [36] Rathmann-Bloch, J. E.****, Harrison, M. B., Tran, T. T., **Schwartz, S. T.**, Pashin, K. P.**, Ruck, T. M.**, & Wagner, A. D. (2023, June). *The experience of memory: How eye movements inform the relationship between memory accuracy and retrieval confidence.* **Poster** presented at the 26th Annual Association for Scientific Study of Consciousness Conference in New York, NY, USA. June 22.
- [35] **Schwartz, S. T.*** (2023, June). Leveraging pupillometric signals of preparatory sustained attention to optimize episodic memory retrieval in real-time. **Talk** presented at the Center for Mind, Brain, Computation

and Technology, Annual Member Meeting, Wu Tsai Neurosciences Institute in Stanford, CA, USA. June 5.

- [34] **Schwartz, S. T.*†**, & Miller, D. S.*†. (2023, May). Tonic Attentional influences on memory retrieval in young and older adults. **Talk** presented at the Cognitive and Neuroscience Friday Seminar, Stanford Department of Psychology, in Stanford, CA, USA. May 19.
- [33] Romero, A.****, Tran, T. T., **Schwartz, S. T.**, Miller, D. S., Rathmann-Bloch, J. E.***, Park, J.***, Winer, J., Trelle, A. N., Mormino, E. C., & Wagner, A. D. (2023, May). *Decreased sustained attention predicts memory variability in clinically unimpaired older adults*. **Poster** presented at the 10th Annual Stanford School of Medicine Neuroscience Forum in Stanford, CA, USA. May 5.
- [32] **Schwartz, S. T.***, Nguyen, K. K.***, Madore, K. P., & Wagner, A. D. (2023, March). Leveraging signals of sustained attention and cognitive control to optimize episodic memory performance. **Poster** presented at the Wu Tsai Human Performance Alliance Research Symposium in Stanford, CA, USA. March 1.

2022

- [31] Kearley, J. R.*, Richmond, L. L., **Schwartz, S. T.**, & Hargis, M. B. (2022, November). *Take a load off: Examining partial and complete cognitive offloading of medication information*. **Poster** presented at the Psychonomic Society's 63rd Annual Meeting in Boston, MA, USA. November 19.
- [30] **Schwartz, S. T.***, Madore, K. P., & Wagner, A. D. (2022, November). *Readiness-to-remember: On the relationship between recognition memory, recollection precision, and moment-to-moment fluctuations in preparatory sustained attention*. **Poster** presented at the 51st Annual Meeting of the Society for Neuroscience in San Diego, CA, USA. November 13.
- [29] **Schwartz, S. T.*** (2022, October). Leveraging signals of preparatory sustained attention to optimize episodic memory precision. **Talk** presented at the Cognitive and Neuroscience Friday Seminar, Stanford Department of Psychology, in Stanford, CA, USA. October 7.
- [28] Bhardwaj, N.***†, Tuli, A.**†, **Schwartz, S. T.**, Harrison, M. B., & Wagner, A. D. (2022, November). *Exploring the role of discrete vs. continuous perceptual context shifts during encoding on episodic memory*. **Poster** presented at the Stanford University Symbolic Systems 2022 Summer Research Fair in Stanford, CA, USA. October 10.
- [27] Tuli, A.***†, Bhardwaj, N.**†, **Schwartz, S. T.**, Harrison, M. B., & Wagner, A. D. (2022, August). *Exploring the role of discrete vs. continuous perceptual context shifts during encoding on episodic memory*. **Poster** presented at the Stanford University PsychSummer 2022 Poster Session in Stanford, CA, USA. August 18.
- [26] Tran, T. T.*, Madore, K. P., Hsu, S. C., **Schwartz, S. T.**, & Wagner, A. D. (2022, April). *Lapses in attention predict memory variability in younger and older adults*. **Poster** presented at the 29th Annual Meeting of the Cognitive Neuroscience Society in San Francisco, CA, USA. April 24.

2021

- [25] **Schwartz, S. T.***, Siegel, A. L. M., & Castel, A. D. (2021, November). *Burgers over broccoli: Enhanced visuospatial memory for high-calorie foods*. **Poster** presented at the Psychonomic Society's 62nd Annual Meeting online. November 5.

- [24] Perillo, M.***†, **Schwartz, S. T. †**, & Alfaro, M. E. (2021, May). *Geographical relationships of coral reef fish color pattern geometry and speciation rates*. **Poster** presented at the 24th Annual UCLA Biology Research Symposium in Los Angeles, CA, USA. May 26. ***Awarded 2nd Place for Best Poster***
- [23] Brar, N. K.***, **Schwartz, S. T.**, Silaj, K. M., & Castel, A. D. (2021, May). *A classroom study: Student attitudes and anxiety during a pandemic*. **Talk** presented at the UCLA Undergraduate Research & Creativity Showcase in Los Angeles, CA, USA. May 25.
- [22] Brar, N. K.***, **Schwartz, S. T.**, Silaj, K. M., & Castel, A. D. (2021, May). *A classroom study: Student attitudes and anxiety during a pandemic*. **Talk** presented at the 30th Annual UCLA Psychology Undergraduate Research Conference in Los Angeles, CA, USA. May 14.
- [21] **Schwartz, S. T.*** (2021, April). *College students' anxiety, preparedness, and perceptions of remote learning effectiveness during COVID-19: A classroom study*. **Talk** presented at the National Center for the Integration of Research, Teaching and Learning Network Teaching-as-Research Conference. April 15.
- [20] Karan, E. A.* †, **Schwartz, S. T. †**, Perillo, M.**, & Alfaro, M. E. (2021, January). *Evolutionary and functional consequences of sexually dimorphic color pattern diversity in Labrid fishes*. **Talk** presented at the UCLA Department of Ecology & Evolutionary Biology EcoEvoPub Seminar Series. January 14.
- [19] **Schwartz, S. T.***, Tsai, W. L. E., Karan, E. A., & Alfaro, M. E. (2021, January). *Charisma: An R tool to automatically determine discrete color classes for high-throughput color pattern analysis*. **Talk** presented at the Society for Integrative and Comparative Biology (SICB) Virtual Annual Meeting. January 3.
- [18] **Schwartz, S. T.***, & Alfaro, M. E., (2021, January). *Sashimi: Automatic high-throughput pipeline for organismal image segmentation using deep learning*. **Poster** presented at the Society for Integrative and Comparative Biology (SICB) Virtual Annual Meeting. January 3.
- [17] Karan, E. A.* †, **Schwartz, S. T. †**, Perillo, M.**, & Alfaro, M. E. (2021, January). *It's not just a phase: Evolutionary and functional consequences of sexually dimorphic color pattern diversity in Labrid fishes*. **Talk** presented at the Society for Integrative and Comparative Biology (SICB) Virtual Annual Meeting. January 3.
- [16] Weller, H. I.* †, **Schwartz, S. T.**, Karan, E. A., & Lord, N. P. (2021, January). *Recolorize: a flexible R package for color classification*. **Talk** presented at the Society for Integrative and Comparative Biology (SICB) Virtual Annual Meeting. January 3.

2019-2020

- [15] **Schwartz, S. T.* †**, Silaj, K. M.* †, Brar, N. K.**, & Castel, A. D. (2020, December). *Anxiety, preparedness, and students' perceptions of remote learning effectiveness during COVID-19*. **Talk** presented at CogFog, Bjork Learning and Forgetting Lab. December 11.
- [14] **Schwartz, S. T.* †**, Silaj, K. M.* †, Siegel, A. L. M., & Castel, A. D. (2020, November). *Examining the effects of test anxiety on metacognitive performance*. **Poster** presented at the Psychonomic Society's 61st Annual Meeting online. November 21. ***J. Frank Yates Student Conference Award recipient for supporting diversity & inclusion in cognitive psychology***
- [13] Siegel, A. L. M.* †, **Schwartz, S. T.* †**, & Castel, A. D. (2020, November). *Selective memory disrupted in intra-modal dual-task encoding conditions*. **Poster** presented at the Psychonomic Society's 61st Annual Meeting online. November 19.

- [12] **Schwartz, S. T.* †**, Siegel, A. L. M.†, & Castel, A. D. (2020, November). *Selective memory disrupted in intra-modal dual-task encoding conditions*. **Talk** presented live at the Virtual Bay Area Memory Meeting (BAMM!). November 12.
- [11] Silaj, K. M.* †, **Schwartz, S. T.* †**, Siegel, A. L. M., & Castel, A. D. (2020, September). *Test anxiety and metacognitive performance in the classroom*. **Poster** presented at the 2020 UC Psychology Teaching & Learning Virtual Conference online. September 18.
- [10] Siegel, A. L. M.*, **Schwartz, S. T.**, & Castel, A. D. (2020, April). *Age-related differences in local and global metacognitive accuracy in a visuospatial selectivity task*. **Poster** accepted to be presented at the Cognitive Aging Conference in Atlanta, GA, USA. April 16. *Cancelled due to COVID-19*
- [9] **Schwartz, S. T.***, & Alfaro, M. E. (2019, November). *High-throughput phenoscoping using deep learning for accurate automatic instance segmentation of fish images*. **Poster** presented at the UCLA Institute for Digital Research & Education Early Career Researcher Day in Los Angeles, CA, USA. November 20. *Awarded 1 of 4 Best Poster Awards of 40 posters*
- [8] Siegel, A. L. M.* †, **Schwartz, S. T.* †**, & Castel, A. D. (2019, November). *Memory and metamemory for the location of items: The effects of information importance and encoding difficulty*. **Poster** presented at the Psychonomic Society's 60th Annual Meeting in Montréal, Quebec, Canada. November 16.
- [7] Whatley, M. C.* †, **Schwartz, S. T.* †**, Block, J. B., Siegel, A. L. M., & Castel, A. D. (2019, November). *One bad apple: Visual memory and misinformation for the Apple logo*. **Poster** presented at the Psychonomic Society's 60th Annual Meeting in Montréal, Quebec, Canada. November 15.
- [6] **Schwartz, S. T.***, Karan, E. A., & Alfaro, M. E. (2019, May). *Using machine learning to quantify color pattern diversity in Butterflyfishes (Chaetodontidae)*. **Poster** presented at the 22nd Annual UCLA Biology Research Symposium in Los Angeles, CA, USA. May 22.
- [5] **Schwartz, S. T.***, Siegel, A. L. M., & Castel, A. D. (2019, May). *Risks and rewards: Memory for positive and negative item-location associations*. **Poster** presented at the 22nd Annual UCLA Undergraduate Research Poster Day in Los Angeles, CA, USA. May 21. *UCLA Dean's Research Prize Nominee*
- [4] **Schwartz, S. T.***, Siegel, A. L. M., & Castel, A. D. (2019, May). *Risks and rewards: Memory for positive and negative item-location associations*. **Poster** presented at the 28th Annual UCLA Psychology Undergraduate Research Conference in Los Angeles, CA, USA. May 10.
- [3] **Schwartz, S. T.***, Siegel, A. L. M., & Castel, A. D. (2019, May). *Memory for positive and negative item-location associations*. **Poster** presented at Whittier College's 17th Annual Psi Chi Psychology Undergraduate Research Conference in Whittier, CA, USA. May 4.
- [2] Karan, E. A.* †, & **Schwartz, S. T.* †** (2019, May). *Quantitative approaches to studying color pattern evolution*. **Invited Guest Lecture** given at Claremont McKenna College, W. M. Keck Science Center Department of Biology in Claremont, CA, USA. May 2.
- [1] **Schwartz, S. T.*** (2019, May). *Risks and rewards: Memory for positive and negative item-location associations*. **Talk** for Highest Departmental Honors Thesis Seminar given at the UCLA Department of Psychology in Los Angeles, CA, USA. May 1.

Professional Membership

2022 –	Society for Neuroscience
2021 –	Sigma Xi Scientific Honor Society
2019 –	Psychonomic Society
2020 – 2022	Society for Integrative and Comparative Biology (SICB)
2019 – 2022	Society for the Study of Evolution (SSE)
2019 – 2022	American Society of Naturalists (ASN)
2019 – 2022	Society of Systematic Biologists
2018 – 2022	American Psychological Association (APA)
2018 – 2022	Association for Psychological Science (APS)

Students Mentored in Research

* *Supervised undergraduate honors thesis/senior capstone project*

** *Full-Time Research Coordinator Staff*, † *Direct report with weekly 1:1 meetings*

STANFORD UNIVERSITY

Gloria Cheng**†, August 2023 – Present
Khanh Nguyen**†, January 2023 – Present
Nikita Bhardwaj, June 2022 – August 2022
Aditi Tuli, June 2022 – August 2022
Jen Park**, February 2022 – Present
Kasey Luo, January 2022 – June 2022
Amy Lo, January 2022 – June 2022
America Romero**, October 2021 – Present
Julia Rathmann-Bloch**, September 2021 – Present

UCLA

Ashley Chen, July 2021 – July 2022
Jonathan Chau, May 2021 – September 2021
Kevin Wang, April 2021 – September 2021
Austyn Adams, April 2021 – September 2021
Trevor Brokowski, January 2021 – September 2021
Connie Chen, October 2020 – March 2021
Nimrat Brar*, May 2020 – September 2021
Mackenzie Perillo*, May 2020 – September 2021
Kyle Xu, January 2020 – June 2020
Maya Chari, September 2019 – November 2020
Sean Webster*, February 2020 – June 2020
Bruce Zhang, February 2020 – June 2020
Aubrey Butler, October 2019 – January 2020
Charles Wang, April 2019 – September 2019

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