

CURRICULUM VITAE

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ACADEMIC APPOINTMENTS

Assistant Professor , Department of Psychology & Child Development <i>California Polytechnic State University, San Luis Obispo, CA (Cal Poly)</i>	2016-Present
Lecturer , Department of Psychology <i>California State University East Bay, Hayward, CA</i>	2015-2016

EDUCATION & TRAINING

Postdoctoral Fellowship <i>The Smith-Kettlewell Eye Research Institute, San Francisco, CA</i> Project: “Rehabilitation of working memory representations in the congenitally blind” Preceptor: Dr. Lora T. Likova	2014-2016
Ph.D. in Psychology, Minor in Neuroscience <i>The University of Arizona, Tucson, AZ</i> Focus: Cognition & Neural Systems Dissertation: “Beyond conscious object perception: Processing & inhibition of the groundside” Dissertation advisor: Dr. Mary A. Peterson (major), Dr. Paige E. Scalf (minor)	2014
M.A. in Psychology <i>The University of Arizona, Tucson, AZ</i> Focus: Cognition & Neural Systems Master’s thesis: “Holding faces in working memory interferes with face discrimination” Thesis advisor: Dr. Mary A. Peterson	2010
B.S. in Psychology and Biological Sciences <i>Carnegie Mellon University, Pittsburgh, PA</i> Graduated as a Science & Humanities Scholar, with College Honors Honors thesis: “Real-world processing of word-referent pairs in adults” Honors thesis advisor: Dr. Eric Thiessen	2009

RESEARCH EXPERIENCE

Principal Investigator , Multisensory Perception Lab <i>California Polytechnic State University, San Luis Obispo, CA</i> Using cognitive neuroscience techniques to investigate multisensory perception and memory	2016-Present
Postdoctoral Fellow , Likova Lab <i>The Smith-Kettlewell Eye Research Institute, San Francisco, CA</i> Employed fMRI and behavioral techniques to study tactile perception and memory in the blind	2014-2016

- Graduate Research Assistant**, Visual Cognition Lab 2009-2014
The University of Arizona, Tucson, AZ
 Examined the neural underpinnings of visual object perception using fMRI and behavior
- Honors Undergraduate Research Assistant**, Infant Cognition Lab 2007-2009
Carnegie Mellon University, Pittsburgh, PA
 Investigated adults' ability to learn novel objects under varying levels of ambiguity

TEACHING EXPERIENCE

Courses taught

- California Polytechnic State University**
 Sensation & Perception F'16, W'17, F'17, W'18,
 F'18, S'19, W'21
 Research Methods in Psychology S'17, S'18, F'18, W'19, S'19
 Cognitive Neuroscience W'19
 Cognitive Neuroscience, ONLINE format S'20, F'20
- California State University, East Bay**
 Human Learning & Cognition Laboratory F'15, S'16, Sum.'16
 Cognitive Processes W'16
- The University of Arizona**
 Sensation & Perception Sum.'13, S'14, S'14
 Introduction to Psychology (TA) F'09, S'10

Guest lectures

- California Polytechnic State University**
 Biopsychology (Lecture: "Biopsychology of Perception") S'17, S'18
- The University of Arizona**
 Cognitive Psychology (Lecture: "Visual perception") Sum. '14
 Sensation & Perception (Lecture: "The retina") F '13
 Cognitive Psychology (Lecture: "Visual perception") S '13
 Biopsychology (Lecture: "The action potential") F '12
 Introduction to Psychology (Lecture: "Biopsychology") Sum. '12
 Introduction to Psychology (Lecture: "Visual perception") Sum. '10

PUBLICATIONS

(^ denotes shared first authorship, * denotes undergraduate student)

Peer-reviewed journal articles

- *Tyler, C., *Light, S., *Notthoff, A., & **Cacciamani, L.** (2021). Eye Gaze During Controversial Conversations Depends on Agreement and Conversational Role. *Journal of Nonverbal Behavior*.
- *Sasia, B., & **Cacciamani, L.** (2021). High-definition transcranial direct current stimulation of the lateral occipital cortex influences figure-ground perception. *Neuropsychologia*, 155, 1-9.

- Cacciamani, L., *Sheparovich, L., *Gibbons, M., *Wack, C., *Crowley, B., *Carpenter, K. (2020).** Task-irrelevant sound corrects leftward spatial bias in blindfolded haptic placement task. *Multisensory Research, 33(4)*, 521-548.
- ^Likova, L. T. & ^**Cacciamani, L. (2018).** Transfer of learning in people who are blind: Enhancement of spatial-cognitive abilities through drawing. *Journal of Visual Impairment and Blindness, 112(4)*.
- Cacciamani, L., Wager, E., Peterson, M. A., & Scalf, P.E. (2017).** Age-related changes in perirhinal cortex sensitivity to configuration and part familiarity and connectivity to visual cortex. *Frontiers in Aging Neuroscience, 9(291)*, 1-15.
- Cacciamani, L., & Likova, L. T. (2017).** Memory-guided drawing training increases Granger causal influences from the perirhinal cortex to V1 in the blind. *Neurobiology of Learning and Memory, 141*, 101-107.
- Cacciamani, L., & Likova, L. T. (2016).** Tactile object familiarity in the blind brain reveals the supramodal perceptual-mnemonic nature of the perirhinal cortex. *Frontiers in Human Neuroscience, 10(92)*, 1-11.
- Likova, L. T., Tyler, C. W., **Cacciamani, L.**, Mineff, K., & Nicholas, S. (2016). The cortical network for braille writing in the blind. *Human Vision and Electronic Imaging, 16*, 1-6.
- Cacciamani, L., Scalf, P. E., & Peterson, M. A. (2015).** Neural evidence for competition-mediated suppression in the perception of a single object. *Cortex, 72*, 124-139.
- Cacciamani, L., Mojica, A. J., Sanguinetti, J. L., & Peterson, M. A. (2014).** Semantic access occurs outside of awareness for the groundside of a figure. *Attention, Perception, & Psychophysics, 76(8)*, 2531-2547.
- Cacciamani, L., Ayars, A. A., & Peterson, M.A. (2014).** Spatially rearranged object parts can facilitate perception of intact whole objects. *Frontiers in Psychology: Perception Science, 5(82)*, 1-11.
- Peterson, M. A., **Cacciamani, L.**, Mojica, A. J., & Sanguinetti, J. L. (2012). Meaning can be accessed for the groundside of a figure. *Journal of Gestalt Theory, 34(3)*, 297-314.
- Peterson, M. A., **Cacciamani, L.**, Barense, M. D., & Scalf, P. E. (2012). The perirhinal cortex modulates V2 activity in response to the agreement between part familiarity and configuration familiarity. *Hippocampus, 22*, 1965-1977.
- Salvagio, E., **Cacciamani, L.**, & Peterson, M. A. (2012). Competition-strength-dependent ground suppression in figure-ground perception. *Attention, Perception, and Psychophysics, 74*, 964-978.

Textbooks

- Goldstein, E.B. & **Cacciamani, L. (2021).** *Sensation and Perception (11th edition)*. Samford, CT: Cengage Learning.

Book chapters

- Cacciamani, L., & Goldstein, E.B.** (2018). Chapter 13: Judgment, Decisions, and Reasoning. In *Cognitive Psychology: Connecting Mind, Research, and Everyday Experience, 5th Edition* (pp. 392-427). Samford, CT: Cengage Learning.
- Peterson, M. A., & **Cacciamani, L.** (2013). Toward a dynamical view of object perception. In Z. Pizlo & S. Dickinson (Eds.), *Shape Perception in Human and Computer Vision: An Interdisciplinary Perspective* (pp. 443-457). London: Springer.

Manuscripts under review

- Tranquada-Torres, B., MacLeod, L., Lavezzi, G.D., & **Cacciamani, L.** (under review). Cross-modal masked priming of the tritone paradox. *Memory & Cognition*.

Manuscripts in preparation

- Cacciamani, L., Skocypec, R.M., Flowers, C.S., Perez, D.C., & Peterson, M.A.** (in preparation). BOLD Activation on the Groundside of Figures: Prediction Error or Competition-induced Inhibition?

SELECTED CONFERENCE POSTERS

(*denotes undergraduate student)

- *Sasia, B., & **Cacciamani, L.** (2020, November). High-Definition Transcranial Direct Current Stimulation of the Lateral Occipital Cortex Influences Figure-Ground Perception. Psychonomics Society Annual Meeting (virtual format).
- Cacciamani, L., *Tranquada-Torres, B., & *MacLeod, L.,** (2020, November). Cross-Modal Masked Priming of the Tritone Paradox. Psychonomics Society Annual Meeting (virtual format).
- *Light, S., *Tyler, C., *Notthoff, A., & **Cacciamani, L.** (2020, May). Eye contact during political conversation depends on both level of agreement and conversational role. Western Psychological Association conference, San Francisco, CA. [Postponed until Oct 2020 due to COVID]
- *Sasia, B., *Buchanan, B., *Oseguera, C., *Pauly, J., *Lavezzi, G.D., *Tower, C., & **Cacciamani, L.** (2019, May). The effects of brain stimulation on haptic processing. Annual UCLA Psychology Undergraduate Research Conference, Los Angeles, CA.
- Cacciamani, L., Skocypec, R.M., Flowers, C., Perez, D., & Peterson, M.A.** (2019, March). Competition-dependent ground activation in object perception: Evidence for inhibitory competition and/or predictive coding? Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.
- *Sheparovich, L., *Gibbons, M., *Perkins, A., *Wack, C., *Crowley, B., *Carpenter, K., & **Cacciamani, L.** (2018, May). Task-Irrelevant Sound Improves Performance on Non-Visual Spatial Placement Task. Association for Psychological Science Convention, San Francisco, CA.
- Likova, L., **Cacciamani, L.,** Nicholas, S., & Mineff, K. (2017, September). Top-down working memory reorganization of the primary visual cortex: Granger Causality analysis. Optical Society Fall Vision Meeting, Washington, D.C.

- Cacciamani, L., Likova, L. T.** (2016, November). Memory-guided drawing training increases Granger causal influences from the perirhinal cortex to V1 in the blind. Society for Neuroscience Conference, San Diego, CA.
- Cacciamani, L., Likova, L. T.** (2016, May). The role of the perirhinal cortex in tactile perception and memory in the blind. Vision Sciences Society Meeting, St. Pete Beach, FL.
- Cacciamani, L., Likova, L. T.** (2015, October). The role of the perirhinal cortex in tactile perception and memory in the blind. Society for Neuroscience Conference, Chicago, IL.
- Cacciamani, L., Wager, E., Peterson, M. A., & Scalf, P. E.** (2014, November). Connectivity between the perirhinal cortex and the visual cortex in young and older adults. Society for Neuroscience Conference, Washington, D.C.
- Cacciamani, L., Scalf, P. E., & Peterson, M. A.** (2014, May). Competition-based ground suppression in extrastriate cortex and the role of attention. Vision Sciences Society Meeting, St. Pete Beach, FL. *Journal of Vision, 14*(10), 45-45.
- Cacciamani, L., Scalf, P. E., & Peterson, M. A.** (2013, November). Evidence of top-down mediated ground suppression in extrastriate cortex. Society for Neuroscience Conference, San Diego, CA.
- Cacciamani, L., Mojica, A. J., Sanguinetti, J. L., & Peterson, M. A.** (2013, May). Accessing meaning for the groundside of a figure: How long does it last? Vision Sciences Society Meeting, Naples, FL. *Journal of Vision, 13*(9): 71. doi:10.1167/13.9.71
- Scalf, P. E., **Cacciamani, L., Barense, M. D., & Peterson, M. A.** (2013, May). Representation of object parts and wholes in V2 modified by medial temporal lobe structures. Vision Sciences Society Meeting, Naples, FL. *Journal of Vision, 13*(9): 1002. doi:10.1167/13.9.1002
- Cacciamani, L., Mojica, A. J., Sanguinetti, J. L., & Peterson, M. A.** (2012, December). Accessing meaning for the groundside of a figure: How long does it last? University of Arizona & Arizona State University Cognitive Science Conclave, Phoenix, AZ.
- Cacciamani, L., Scalf, P.E., Barense, M.D., & Peterson, M.A.** (2012, October). The perirhinal cortex modulates V2 activity in response to the agreement between part familiarity and configuration familiarity. Society for Neuroscience Conference, New Orleans, LA.
- Cacciamani, L., Mojica, A. J., Sanguinetti, J. L., & Peterson, M. A.** (2012, May). Meaning can be accessed for the groundside of a figure. Vision Sciences Society Meeting, Naples, FL. *Journal of Vision, 12*(9), 305; doi:10.1167/12.9.305
- Cacciamani, L. & Peterson, M. A.** (2011, May). Interference from a working memory task provides evidence for a fronto-temporal face perception network. Vision Sciences Society Meeting, Naples, FL. *Journal of Vision, 11*(11): 657. doi:10.1167/11.11.657
- Cacciamani, L. & Peterson, M. A.** (2010, November). Holding faces in working memory interferes with face discrimination but not object discrimination. OPAM Conference, St. Louis, MO.
- Cacciamani, L., Salvagio, E. M., & Peterson, M. A.** (2010, May). Target discrimination performance reveals that competition for figural status entails mutual inhibition. Vision Sciences Society Meeting, Naples, FL. *Journal of Vision, 10*(7): 1195. doi:10.1167/10.7.1195

CONFERENCE TALKS

(*denotes undergraduate student)

- Peterson, M.A., **Cacciamani**, L., Skocypec, R.M., Flowers, C.S., Perez, D.C. (2020, November). **BOLD Activation on the Groundside of Figures: Prediction Error or Competition-induced Inhibition?** Psychonomics Society Annual Meeting (virtual format). (Talk given by MAP)
- *Sasia, A. & **Cacciamani**, L. (2020, May). High-Definition transcranial direct current stimulation enhances figure-ground perception for part-rearranged images. Western Psychological Association conference, San Francisco, CA. (Talk given by AS) [Postponed due to COVID]
- Likova, L. T., Tyler, C. W., **Cacciamani**, L., Mineff, K., & Nicholas, S. (2015). Effect of familiarity on Braille writing and reading in the blind: From graphemes to comprehension. Vision Sciences Society Meeting, St. Pete Beach, FL. (talk given by LTL)
- Cacciamani**, L., Scalf, P.E., & Peterson, M. A. (2013). Inhibitory competition and feedback in figure-ground perception: fMRI evidence. Annual Meeting of the Psychonomic Society. Toronto, Ontario, Canada. (talk given by MAP)
- Cacciamani**, L., & Peterson, M. A. (2010). Holding faces in working memory interferes with face discrimination but not object discrimination. Configural Processing Consortium, St. Louis, MO.

MENTORING EXPERIENCE

BEACoN research mentor for underrepresented students, <i>Cal Poly</i>	2018-2019
Psychology mentor for first-generation transfer students, <i>Cal Poly</i>	2017-Present
BEACoN mentor for underrepresented students, <i>Cal Poly</i>	2017-Present
Research Internship Supervisor, <i>Cal Poly</i>	2016-Present
Senior Project Supervisor, <i>Cal Poly</i>	2016-Present
Fieldwork Internship Supervisor, <i>Cal Poly</i>	2016-Present
Arizona Assurance Volunteer Mentor, <i>The University of Arizona</i>	2012-2014
Research Supervisor for Undergraduates, <i>The University of Arizona</i>	2009-2014

HONORS, AWARDS, & FUNDING

(*denotes external award)

Center for Innovation & Entrepreneurship Faculty Fellow Award (\$5,000/year, 3 years of support), <i>Cal Poly</i>	2020
* Faculty Advisor Research Grant (\$1,978), <i>Psi Chi International Honor Society in Psychology</i>	2020
Nominated for “Distinguished Scholarship Award” , <i>Cal Poly</i>	2019
Nominated for “Outstanding Faculty Advisor of the Year” (by student) , <i>Cal Poly</i>	2019
BEACoN Award for Supervising Student Research (\$2,000), <i>Cal Poly</i>	2019
* New York City Transcranial Direct Current Stimulation Fellowship <i>Academy for Neuromodulation, City College of New York, New York, NY</i>	2018

CSU Research, Scholarly and Creative Activities (RSCA) Grant (\$8,717), <i>Cal Poly</i>	2018
CLA Scholarship Support for Tenured and Tenure-Track Faculty (\$6,000), <i>Cal Poly</i>	2018
CLA Circle of Giving Faculty Scholarship Grant (\$4,800), <i>Cal Poly</i>	2018
CLA Scholarship Support for Tenured and Tenure-Track Faculty (\$6,000), <i>Cal Poly</i>	2017
Rachel C. Atkinson Postdoctoral Fellowship (2 years of support), <i>Smith-Kettlewell</i>	2014
College of Science Galileo Circle Scholar Award (\$1,000), <i>The University of Arizona</i>	2013
Graduate & Professional Student Council Travel Grant (\$250, \$330, \$400) <i>The University of Arizona</i>	2010, 2011, 2012
Women in Science & Engineering Travel Grant (\$300), <i>The University of Arizona</i>	2010, 2012
Senior Leadership Recognition Award (\$100), <i>Carnegie Mellon University</i>	2009
Honors Undergraduate Research Grant (\$200), <i>Carnegie Mellon University</i>	2009
Rho Lambda Women’s Honor Society Induction , <i>Carnegie Mellon University</i>	2008
Psi Chi Undergraduate Research Award (\$300), <i>American Psychological Association</i>	2008
Margaret Morrison Outstanding Female Scholarship (\$5,600), <i>Carnegie Mellon University</i>	2007
Horatio Alger Pennsylvania Scholar (\$2,600) <i>Horatio Alger Association of Distinguished Americans</i>	2005

SERVICE AT CAL POLY

Department-level

Cognitive Science Student Association Faculty Advisor	2021-Present
Faculty Teaching and Learning Committee	2020-Present
Senior Project Symposium Committee	2019-Present
Research Facilitation Committee (chair and founder)	2017-Present
Student Mentoring Initiative	2017-2019
Psi Chi Faculty Advisor	2016-Present
Diversity Committee	2016-Present
(first-generation internal transfer sub-committee)	2016-2018

College/University-level

Library Representative	2019-Present
BEACoN mentor	2018-Present
BEACoN research advisor	2018-2019
Faculty Advisory Committee on Technology (CLA Representative)	2017-2018
Research, Technical, and Cloud Computing Committee	2017-2018

SERVICE PRIOR TO CAL POLY

Departmental

Orientation Training Committee, <i>The University of Arizona</i>	Summer 2014
Student-faculty liaison, Cognition Graduate Program (elected), <i>University of Arizona</i>	2013-2014
Psychology Colloquium Committee (invited), <i>The University of Arizona</i>	2012-2014
Grad student rep, Faculty Search Committee (invited), <i>The University of Arizona</i>	Spring 2011

Institutional

Alumni prospective student interviewer, <i>Carnegie Mellon University (serving remotely)</i>	2009-Present
Community Outreach Committee (volunteer), <i>Smith-Kettlewell Eye Research Institute</i>	2015-2016
Travel grant judge, Graduate Student Council (volunteer), <i>University of Arizona</i>	Summer 2012
“Andrew Ambassador” Campus Tour Guide (invited), <i>Carnegie Mellon University</i>	2007-2008

Community

Member, Low-Vision Support Group (volunteer), <i>Smith-Kettlewell</i>	2015-2016
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PROFESSIONAL AFFILIATIONS

Council for Undergraduate Research	2019-Present
Psychonomic Society	2016-Present
Cognitive Neuroscience Society	2016-Present
Society for the Teaching of Psychology	2015-Present
Association for Psychological Science	2015-Present
Society for Neuroscience	2010-Present
Vision Sciences Society	2009-Present

PEDAGOGICAL DEVELOPMENT

“Virtual Undergraduate Research in Action” workshop series <i>Council for Undergraduate Research</i>	Spring 2020
“Rethinking the Lecture” year-long learning community <i>Center for Teaching, Learning, & Technology, Cal Poly</i>	2018-2019
Screencast-o-matic grading workshop <i>Center for Teaching, Learning, & Technology, Cal Poly</i>	Fall 2018
“Creating Accessible Course Materials” online 4-week course <i>Center for Teaching, Learning, & Technology, Cal Poly</i>	Spring 2018
“Critical Mentoring & Undergraduate Research” workshop series <i>Center for Teaching, Learning, & Technology, Cal Poly</i>	Fall 2017
“Mindful Educator” community of practice <i>Center for Teaching, Learning, & Technology, Cal Poly</i>	2016-2018
“Getting a Good Launch for New(er) Faculty” year-long learning community <i>Center for Teaching, Learning, & Technology, Cal Poly</i>	2016-2017