# CURRICULUM VITA Catherine L. Reed January, 2020

#### **Business Address:**

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### **Major Research Interests**

Embodied perception, attention, and cognition using behavioral and EEG/ERP measures

- Multisensory integration of vision, touch, and body information
- Representations of the human body
- Nonverbal emotional communication via body posture and action
- Neural bases of tactile & visual object recognition and spatial processing

### **Academic and Professional Positions**

2014-	McElwee Family Professor of Psychology and George R. Roberts Fellow
	Claremont McKenna College
2008-	Professor
	Depts of Psychological Science & Neuroscience, Claremont McKenna College & Claremont Graduate University
2000	
2008-	Adjunct Professor
2014 12	Dept of Psychology, University of Denver
2011-13	Visiting Associate in Biology
	Division of Biology, California Institute of Technology
2007-08	Associate Professor
	Depts of Psychology & Neuroscience, Claremont McKenna College & Claremont Graduate University
2001-07	Associate Professor
	Dept of Psychology, University of Denver
2002-07	Adjoint Associate Professor
	Dept of Psychiatry, Univ. of Colorado Health Sciences Center
2001-07	Adjoint Associate Professor
	Dept of Radiology, Univ. of Colorado Health Sciences Center
1994-01	Assistant Professor
	Dept of Psychology, University of Denver
1998-99	Visiting Scholar
	Center for Advanced Medical Technologies, Dept of Radiology, University of Utah
1992-94	Postdoctoral Research Associate
	Institute of Research in Cognitive Science & Dept of Psychology, University of Pennsylvania
1990-92	Postdoctoral Research Associate
	Dept of Psychology, Carnegie Mellon University
1989-90	Human Factors Research Associate
	Anacapa Sciences, Inc. Santa Barbara, CA.

#### Education

Ph.D.	Cognitive Psychology. (March, 1991) University of California, Santa Barbara
M.A.	Cognitive Psychology. (April, 1987) University of California, Santa Barbara
B.A.	Psychology. (May, 1985), University of Michigan, Ann Arbor

# **Professional Training**

2011	ERP Boot Camp, MIND Institute, University of California, Davis, CA
2010	BESA Source Localization Workshop – EGI, San Diego, CA
2004	University of Würzburg, Germany – FSL Workshop for fMRI Data Analysis
2001	Massachusetts General Hospital – Nuclear Magnetic Resonance Center Visiting Fellowship in
	functional magnetic resonance imaging (fMRI), Boston, MA.

#### Honors and Awards

2014	McElwee Family Professor of Psychology and George R. Roberts Fellow
2010	Fellow, Psychonomic Society
2010	Fellow, Western Psychological Association
2009	Fellow, Association for Psychological Science
2006	Center for Teaching and Learning Recognition for Effective Blackboard Use
2000-06	Walter Rosenberry Award for Public Presentation of Research
2002	Sigma Xi member, University of Denver Chapter
1990	Psi Chi/APA Edwin B. Newman Award for Graduate Research
1990	APA Dissertation Research Award
1989	APA Science Directorate Award
1985	Regents Fellowship, University of California, Santa Barbara
1985	Nonresident Tuition Fellowship, University of California, Santa Barbara
1985	Sigma Xi Award for Research, Michigan Chapter
1985	Pillsbury Award for Research, University of Michigan
1985	B.A. with Highest Honors, University of Michigan

1981-85Athletic Scholarship, University of Michigan

# **External Grants**

2020-25	Primary Investigator, IUSE NSF "Collaborative Proposal: Level II Preparing
	Undergraduates for Research in STEM-related fields Using Electrophysiology (PURSUE)"
	CMC: \$725,036; Whole Grant Total: \$1,997,684
2019-22	Co-PI, NSF 1923178 "Collaborative Research: Dissociating Perceptual and Motor
	Correlates of EEG Mu-Alpha and Beta Oscillations in Emotional Action Simulation" (PI Alison
	Harris.) CMC: \$402,516
2018-19	Primary Investigator, IUSE NSF 1822381 "Collaborative Proposal: Preparing Undergraduates for
	Research in STEM-related fields Using Electrophysiology (PURSUE)" Supplement: \$37,372
2016-19	Primary Investigator, IUSE NSF 1626554 "Collaborative Proposal: Preparing Undergraduates for
	Research in STEM-related fields Using Electrophysiology (PURSUE)"
	CMC: \$221,000, Whole Grant Total: \$600,000, Whole Grant Supplement 2017: \$5000, Whole
	Grant Supplement 2018: \$17,270
2014	Co-Investigator, "Developing Electrophysiology Training Resources for Faculty at Primarily
	Undergraduate Institutions" Association for Psychological Science Fund for Teaching and
	Public Understanding of Psychological Science. (PI Bukach, University of Richmond)
	Grant: \$4200
2013-14	Co-Investigator, REU Supplement #2 to CMC, "Embodied Attention:
	Attentional Guidance by Body Position" (PI Shaun Vecera, University of Iowa)
	CMC: \$15,000

2012-13	Co-Investigator, REU Supplement #1 to CMC, "Embodied Attention:
	Attentional Guidance by Body Position" (PI Shaun Vecera, University of Iowa) CMC: \$12,200
2012-15	Co-Investigator, NSF BCS 11-51209, "Embodied Attention: Attentional Guidance by Body
	Position" (PI Vecera, University of Iowa) Direct Costs: \$452,555
2010-12	Co-Investigator, NSF BCS-1039791, Major Research Instrumentation Program: Instrument
	Acquisition or Development "MRI: Acquisition of a High-Density Electrophysiology Laboratory
	for Intercollegiate Research and Training in Cognitive Neuroscience" (PI Hartley, Scripps College)
	Direct costs: \$411,008
2006-09	Co-Investigator, NSF 03-560 Undergraduate Design Project Program (BES) "Research to aid the
	disabled" (PI Newman)
	Direct costs: \$50,334
2002	Co-Investigator, NCRR High End Instrumentation Program
	"Whole-head MEG system for brain research" (equipment only) (PI Reite, MD)
	Direct costs: \$1,999,971
2000-04	Advisor, NINDS National Research Service Award for Jefferson Grubb
	"The effects of trunk orientation on spatial cognition"
1998-00	NSF POWRE Award (NSF BIO 9805999) "What vs. where in somatosensory cortex"
	Direct costs: <i>\$150,000</i>
1992-94	NINDS National Research Service Award: Neural bases of somatosensory cognition

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# Publications

# Peer-reviewed Articles (\* indicates student author):

- Harris, A., \*Young, A., \*Hughson, L., \*Green, D., Doan, S.N., Hughson, E., & Reed, C.L. (2020). Perceived relative social status and cognitive load influence acceptance of unfair offers in the Ultimatum Game. PLOS ONE. <u>https://doi.org/10.1371/journal.pone.0227717</u>
- 2. \*Park, G. & **Reed, C.L.** (in press). Tool actions in far & near space affect the distribution of visual attention along the tool. *Journal of Experimental Psychology: Human Perception and Performance*.
- Bukach, C., \*Stewart, K., Couperus, J.W., & Reed, C.L. (2019) Using Collaborative Models to Overcome Obstacles to Undergraduate Publication in Cognitive Neuroscience. *Frontiers in Psychology*. 10:549. DOI: <u>https://doi.org/10.3389/fpsyg.2019.00549</u>
- \*Vyas, D., \*Garza, J.P, & Reed, C.L. (2019). Hand function, not proximity, biases visuotactile integration later in object processing: An ERP study. *Consciousness and Cognition*, 69, 26-35. DOI: <u>https://doi.org/10.1016/j.concog.2019.01.007</u>
- \*Siqi-Liu, A., Harris, A.M., Atkinson, A.P., & Reed, C.L. (2018). Dissociable processing of emotional and neutral body movements revealed by μ-alpha and beta Rhythms: Evidence from EEG. *Social, Cognitive and Affective Neuroscience*, 12(12), 1269-1279. DOI: <u>https://doi.org/10.1093/scan/nsy0944</u>
- Moody, E.J., Reed, C.L., \*Van Bommel, T., \*App, B., & McIntosh, D.N. (2018). Emotional mimicry beyond the face: Rapid face and body responses to facial expressions. *Social Psychological and Personality Science*, 9(7), 844-852. DOI: <u>https://doi.org/10.1177/1948550617726832</u>
- Reed, C.L., \*Garza, J.P. & \*Vyas, D., (2018). Feeling but not seeing the hand: Occluded hand position reduces the hand proximity effect in ERPs. *Consciousness and Cognition, 64,* 154-163. DOI: <u>https://doi.org/10.1016/j.concog.2018.04.012</u>
- \*Garza, J.P., Reed, C.L. & Roberts, R.R. (2018). Attention orienting near the hand following performed and imagined actions. *Experimental Brain Research*, 236(110), 2603-2610. DOI: <u>https://doi.org/10.1007/s00221-018-5307-2</u>
- \*Morrisey, M., Reed, C.L., McIntosh, D.N. & Rutherford, M. (2018). Brief Report: Attentional cueing to images of social interactions is automatic for neurotypical Individuals but not those with ASC. *Journal of Autism and Developmental* Disorders, 48(9), 3233-3243. DOI: <u>https://doi.org/10.1007/s10803-018-3592-z</u>

- \*Green, D., Harris, A., \*Young, A., & Reed, C.L. (2018). Embodied valuation: Action is associated with item values. *Quarterly Journal of Experimental Psychology*, 71(8), 1734-1747. DOI: <a href="https://doi.org/10.1080/17470218.2017.1360370">https://doi.org/10.1080/17470218.2017.1360370</a>
- 11. **Reed, C.L**., Bukach, C., \*Garber, M., & McIntosh, D.N. (2018). Relative independence of face and body posture processing. *Perception*, *47(6)*, *626-646*. DOI: <u>https://doi.org/10.1177/0301006618771270</u>
- Reed C.L., \*Clay, S.N, Leland DS,\*Kramer A & Hartley AA. (2017) Attentional Effects of Hand Proximity Occur Later in Older Adults: Evidence from Event-related Potentials. *Psychology and Aging*, 32(8), 710-721. DOI: <u>https://doi.org/10.1037/pag0000207</u>
- 13. \*Clay, S.N., Clithero, J.A., Harris, A., & **Reed, C.L**. (2017). Loss aversion reflects information processing, not bias: A drift diffusion model study. *Frontiers in Psychology, 8(1708)*. DOI: <u>https://doi.org/10.3389/fpsyg.2017.017088</u>
- 14. Harris, A., \*Vyas, D., & **Reed, C.L**. (2016). Holistic processing of body postures and parts. *Psychological Bulletin and Review*, 23, 1513–1519. DOI: <u>https://doi.org/10.3758/s13423-016-1027-4</u>
- 15. \*Park, G., & **Reed, C.L**. (2015). Haptic over visual information in the distribution of visual attention after tool-use in near and far space. *Experimental Brain Research*, 233, 2977-2988.
- 16. \*Park, G., & **Reed, C.L.** (2014). Non-uniform changes in the distribution of visual attention from visual complexity and action: A driving simulation study. *Perception, 43,* 129-144.
- 17. **Reed CL**, Leland DS, \*Brekke B, & Hartley AA (2013) Attention's grasp: early and late hand proximity effects on visual evoked potentials. *Frontiers in Psychology*, *4*, 420. DOI: <u>https://doi.org/10.3389/fpsyg.2013.00420</u>
- Reed, C.L., & McIntosh, D.N. (2013). The response is more than reflection: Mirror neurons function within social contexts. *Cortex*, 49(10), 2960-2961. DOI: <u>https://doi.org/10.1016/j.cortex.2013.04.004</u>
- 19. \*Garza, J., \*Strom, M., Wright, C.E, Roberts, R., & **Reed, C.L**. (2013). Top-down influences mediate hand bias in spatial attention, *Attention, Perception, & Psychophysics*, 75, 819-823.
- 20. \*Park, G., \*Strom, M., & **Reed, C.L**. (2013). To the end! Distribution of attention along a tool in peri- and extrapersonal space. *Experimental Brain Research*, *227*, 423-432.
- 21. \*Kline, S. & Reed, C.L. (2013). Altered perception: The influence of dimension, speed, and direction on time perception. *Attention, Perception & Psychophysics, 75,* 161-167. DOI: <u>https://doi.org/10.3758/s13414-012-0370-4</u>
- 22. **Reed, C.L**., \*Nyberg, A., & \*Grubb, J. (2012). The embodiment of perceptual expertise and configural processing. *Perception*, *41*, 436-446.
- 23. **Reed, C.L**., Cahn, S.J., \*Cory, C.' & Szaflarski, J.P. (2012). Impaired perception of harmonic complexity in congenital amusia: A case study. *Cognitive Neuropsychology*, *28*, 305-321.
- 24. \*App, B., **Reed, C.L.**, & McIntosh, D.N. (2012). Perceiving emotional state and motion intention in whole-body displays: Relative contributions of face and body configurations. *Cognition and Emotion, 26*, 690-698.
- 25. \*Wilbarger, J., **Reed, C.L**., & McIntosh, D. (2011). Implicit influence of affective postures on the perception of others: You can't show me how I feel. *Emotion*, *11(3)*, 481-491. DOI: <u>http://dx.doi.org/10.1037/a0023271</u>
- 26. \*App, B., McIntosh, D. N., **Reed, C. L,** & Hertenstein, M. (2011). Nonverbal channel use in communication of emotion: How may depend on why. *Emotion, 11,* 603-617.
- 27. \*Gervais, W., **Reed, C.L**, \*Beall, P., & Roberts, R.J., Jr. (2010). Implied body action directs spatial attention. *Attention, Perception & Psychophysics*, *72*, 1437-1443.
- 28. **Reed, C.L**., \*Betz, R., \*Garza, J., & Roberts, R. (2010). Grab it! Biased attention for functional hand and tool space. *Attention, Perception & Psychophysics, 72,* 236-245.
- 29. **Reed, C.L**., Hagler, D., Marinkovic, K., Dale, A.M., & Halgren, E. (2009). Sequences of cortical activation for tactile pattern discrimination using magentoencephalography. *NeuroReport*, *20*, 941-945.
- 30. \*Beall, P.M., \*Moody, E.J., McIntosh, D.N., Hepburn, S.L., & **Reed, C.L**. (2008) Rapid facial reactions to emotional facial expressions in typical and autistic children. *Journal of Experimental Child Psychology. Special edition on Imitation*, 101: 206–223.
- 31. \*Grubb, J.D., **Reed, C.L.**, \*Bate, S., \*Garza, J., & Roberts, R. J., Jr. (2008). Walking reveals trunk orientation bias for attention. *Perception & Psychophysics*, 70, 688-696.
- 32. **Reed, C.L**. (2007). Divisions within the posterior parietal cortex help touch meet vision. *Brain and Behavioral Sciences, 30,* 218.

- 33. **Reed, C.L.,** & \*McGoldrick, J.E. (2007). Action during body perception: Processing time affects self-other correspondences. *Social Neuroscience, 2, 134-149.*
- 34. Bosbach, S, Knoblich, G., **Reed, C.L**., & Prinz, W. (2007). Body inversion effect without body sense: insights from deafferentation. *Neuropsychologia*, *44*, 2950-2958.
- 35. **Reed, C.L**., \*Beall, P.M., Stone, V.E., \*Kopelioff, L., \*Pulham, D., & Hepburn, S.L. (2007). Brief report: Perception of body posture—what individuals with autism might be missing. *Journal of Autism and Developmental Disorders*, *37*, 1576-1584.
- 36. **Reed, C.L.,** \*Grubb, J.D., & \*Steele, C. (2006). Grasping attention: the effects of hand proximity on visual covert orienting. *Journal of Experimental Psychology: Human Perception & Performance, 32,* 166-177.
- 37. **Reed, C.L**., Stone, V.E., \*Grubb, J.D., & \*McGoldrick, J.E. (2006). Turning configural processing upside down: Part and whole body postures. *Journal of Experimental Psychology: Human Perception & Performance, 32*, 73-87.
- 38. Reed, C.L., Klatzky, R., & Halgren, E. (2005). What vs. where in touch: an fMRI study. Neuroimage, 25, 718-726.
- 39. **Reed, C.L**, \*Grubb, J., & Winkielman, P. (2004). Emulation theory offers conceptual gains but needs filters. *Brain and Behavioral Sciences*, *27(03)*, 411-412. DOI: <u>https://doi.org/10.1017/S0140525X04370093</u>
- 40. Slaughter, V., Stone, V.E., & **Reed, C.L.** (2004). Perception of faces and bodies: similar or different? *Current Directions in Psychological Science, 13*, 219-223. DOI: <u>https://doi.org/10.1111/j.0963-7214.2004.00312.x</u>
- 41. **Reed, C.L.**, Shoham, S., & Halgren, E. (2004). The neural substrates of tactile object recognition: an fMRI study. *Human Brain Mapping*, *21*, 236-246.
- 42. **Reed, C.L**., \*McGoldrick, J.E., \*Shackelford, R., & \*Fidopiastis, C. (2004). Are human bodies represented differently from other objects? Experience shapes object representations. *Visual Cognition*, *11(4)*, 523-550. DOI: <a href="https://doi.org/10.1080/13506280344000428">https://doi.org/10.1080/13506280344000428</a>
- 43. Reed, C.L., Stone, V., \*Bozova, S., & Tanaka, J. (2003). The body inversion effect. *Psychological Science*, 14, 302-308.
- 44. **Reed, C.L**. (2002). Chronometric comparisons of imagery to action: Visualizing vs. physically performing springboard dives. *Memory & Cognition, 30(8),* 1169-1178. DOI: <u>https://doi.org/10.3758/BF03213400</u>
- 45. \*Vinson, N. G., & **Reed, C. L**. (2002). Sources of object-specific effects in representational momentum. *Visual Cognition*, *9*(1-2), 41-65. DOI: <u>http://dx.doi.org/10.1080/13506280143000313</u>
- 46. \*Grubb, JD & **Reed, CL**. (2002). Trunk Orientation Induces Neglect-like lateral biases in covert attention. *Psychological Science*, *13*, 553-556.
- 47. Polk, T., **Reed, C.L**., Keenan, J., Hogarth, P., & Anderson, C.A. (2001). A dissociation between symbolic number knowledge and analogue magnitude information. *Brain and Cognition*, *47*, 545-563.
- Reed, C.L. (1998). Evidence for movement preprogramming and on line control in differentially impaired patients with Parkinson's disease. *Cognitive Neuropsychology*, 15(6-8), 723-745. DOI: <u>https://doi.org/10.1080/026432998381078</u>
- 49. Reed, C.L., Caselli, R.J, & Farah, M.J. (1996). Tactile agnosia: underlying impairment and implications for normal tactile object recognition. *Brain*, *119*, 875-888.
- 50. **Reed, C.L.**, & \*Vinson, N.G. (1996). Conceptual effects on representational momentum. *Journal of Experimental Psychology: Human Perception and Performance, 22*, 839-850.
- 51. **Reed, C.L.**, & Farah, M.J. (1995). The psychological reality of the body schema: A test with normal participants. *Journal of Experimental Psychology: Human Perception and Performance*, *21*, 334-343.
- 52. **Reed, C.L.** (1994). Perceptual dependence between shape and texture in planar and three-dimensional stimuli during haptic processing. *Perception, 23,* 349-366.
- 53. Reed, C.L., & Caselli, R.J. (1994). The nature of tactile agnosia: A case study. Neuropsychologia, 32, 527-539.
- 54. Lederman, S.J., Klatzky, R.L., & **Reed, C.L**. (1993). Constraints on haptic integration of spatially shared object dimensions. *Perception, 22*, 723-743.
- 55. **Reed, C.L.**, Lederman, S.J., & Klatzky, R.L. (1990). Haptic integration of planar size with texture, hardness, and planar contour. *Canadian Journal of Psychology*, *44*, 522-545.
- 56. Klatzky, R.L., Lederman, S.J., & **Reed, C.L**. (1989). Haptic integration of object properties: Texture, hardness, and planar contour. *Journal of Experimental Psychology: Human Perception and Performance*, *15*, 45-57.

Klatzky, R.L., Lederman, S.J., & Reed, C.L. (1987). There's more to touch than meets the eye: The salience of object attributes for haptics with and without vision. *Journal of Experimental Psychology: General, 116(4)*, 356-369. DOI: <u>https://doi.org/10.1037/0096-3445.116.4.356</u>

# Book Chapters (\* indicates student author):

- 1. **Reed, C.L.** & \*Park, G.D. (in press). Functional actions of the hands and tools influence attention in peripersonal space. In F. Vignemont, H.Y. Wong, A. Farne & A. Serino. (Eds.) *The World at Our Fingertips: A Multidisciplinary Exploration of Peripersonal Space*. Oxford: Oxford Press.
- 2. **Reed, C.L.,** & Ziat, M. (2018). Haptic Perception: From the Skin to the Brain. In *Reference Module in Neuroscience and Biobehavioral Psychology* (pp 1-12). New York: Elsevier.
- 3. \*Jackson, W., \*Song, J., \*Steward, K., Couperus, J.W., **Reed, C.L.,** & Bukach, C.M. (2019). Interactive neuroscience: Creating interactive web-based simulations to demonstrate difficult concepts through student-faculty collaboration. In S. Baker (Ed.) *Teaching Tips: A Compendium of Conference Presentations on Teaching, 2017-18.* Retrieved from the Society for the Teaching of Psychology web site: http://teachpsych.org/ebooks/
- 4. \*Hagen, E., Couperus, J.W., Bukach, C.M., & Reed, C.L. (2019). Visualizing neuroscience: applying best practices when creating animations of difficult concepts In S. Baker (Ed.) *Teaching Tips: A Compendium of Conference Presentations on Teaching, 2017-18.* Retrieved from the Society for the Teaching of Psychology web site: http://teachpsych.org/ebooks/
- 5. **Reed CL**, Leland DS, \*Brekke B, & Hartley AA (2015) Attention's grasp: early and late hand proximity effects on visual evoked potentials. In Tseng, P. & Davoli, C., (Eds.). Taking a Hands-On Approach: Current Perspectives on the Effect of Hand Position on Vision. Lausanne: Frontiers Media. DOI: 10.3389/978-2-88919-664-7
- 6. Klatzky, R.L., & **Reed, C.L.** (2015). Haptic exploration. *Scholarpedia Encyclopaedia of Touch*. New York: SpringerVerlag.
- 7. **Reed, C.L.** (2012). Seeing you through me: Creating self-other correspondences for body perception. In K.L. Johnson and M. Shiffrar (eds.), *People Watching: Social, Perceptual, and Neurophysiological Studies of Body Perception*. New York: Oxford University Press.
- 8. Reed, C.L. (2009). Tactile agnosia. *Encyclopedia of Perception*. Newbury Park, CA: Sage.
- 9. Reed, C.L. (2009). Body perception. *Encyclopedia of Perception*. Newbury Park, CA: Sage.
- 10. Klatzky, R.L., & Reed, C.L. (2009). Haptic exploration. Scholarpedia, 4(8):7941
- 11. **Reed, C.L.,** & McIntosh, D.N. (2008). The social dance: On-line body perception in the context of others. In R.L. Klatzky, B. MacWhinney & M. Behrmann (eds.), *Embodiment, Ego-Space, and Action* (pp. 77-110). Hillsdale, NJ: Psychology Press.
- 12. **Reed, C.L.,** \*Garza, J.P., & Roberts, R.J., Jr. (2007). The influence of the body and its actions on spatial attention. In L. Paletta & E. Rome (Eds.), <u>Attention in Cognitive Systems</u>. Springer LNAI.
- Reed, C.L., Stone, V.E., & \*McGoldrick, J.E. (2006). Not just posturing: Configural processing of the human body. In W. Prinz, M. Shiffrar, I. Thornton, G. Knoblich, & M. Grosjean (eds.), *The Human Body: From the Inside Out* (pp. 229-258). Oxford, UK: Oxford University Press.
- 14. **Reed, C.L**. (2002). What is the body schema? In W. Prinz and A. Meltzoff (eds.), *The Imitative Mind: Development, Evolution, and Brain Bases (pp. 233-243)*. Cambridge, UK: Cambridge University Press.
- 15. **Reed, C.L**. (2002). Tactile perception. In V.S. Ramachandran (ed.), *Encyclopedia of the Human Brain (pp. 545-556)*. San Diego, CA: Academic Press.
- 16. **Reed, C.L.** (2000). Entries for Touch, Haptics, and Tactile Agnosia. In Philip Winn (ed.), *Encyclopedia of Biological Psychology*. London: Routledge.

# Published Abstracts & Technical Papers (\* indicates student author):

- 1. **Reed, C.L.,** Harris, A., \*Lodge, M., & \*Gaither, G. (2017). Segmentation of the human body: how does the visual system define body parts? *Journal of Vision, 17,* 1254.
- 2. \*Clay, S., Harris, A., \*Green, D., & **Reed, C.L.** (2016). Loss aversion affects inhibitory processes for reward as indicated by inhibition of return. *Journal of Vision, 16,* 95.

- 3. Reed, C.L., \*Vyas, D., & Harris, A. (2015). Holistic processing of body postures. *Journal of Vision, 15,* 248. doi:10.1167/15.12.248
- 4. **Reed, C.L.,** \*Manzella, R., \*Blattman, A., Reed, W.A., & McIntosh, D.N. (2013). Where do we look when we look for emotion? The influence of cognitive and affective primes on fixations to the face and body. *Journal of Vision*, *13*, 401.
- 5. \*Park, G., \*Strom, M., & **Reed, C.L.** (2012). To the end! Distribution of attention along a tool in peri- and extrapersonal space. *Journal of Vision, 12,* 560.
- 6. Reed, C.L., \*Garber, M., & McIntosh, D.N. (2011) Relative independence of face and body posture processing.
- 7. Journal of Vision, 11, 676.
- 8. \*Park, G., & **Reed, C.L**. (2010). The effects of context and steering on a driver's functional field of view. *Human Factors*.
- 9. \*Garza, J., **Reed, C.L**., & Snyder, K. (2009). Neural mechanisms of hand-based effects on visual attention: An ERP study. *Abstracts of the Psychonomic Society*, *11*.
- 10. **Reed. C.L.**, \*Beall, P., & McIntosh, D.N. (2008, November). Relation between load independence and configural processing for face recognition. *Abstracts of the Psychonomic Society*, *10*.
- 11. Newman, K.E, Jones, I.R., **Reed, C.L.**, & McRae, C. (2007). A multidisciplinary course to implement bioengineering design projects for persons with disabilities. *Frontiers in Education* (T2H-19-20), Milwaukee, WI.
- 12. Szaflarski JP, Cahn SJ, **Reed CL** (2006). What is wrong with the brain in congenital amusia? An fMRI study. *Journal of Neuroimaging*, *16*,191-92.
- 13. Reed, C.L., \*Grubb, J.D., \*Steele, C., \*Betz, R., & Baker, J.D. (2004). Grasping attention. Abstracts of the Psychonomics Society, 9.
- 14. *Reed, C.L., Stone, V.E., & \*Grubb, J.D. (2003)*. Turning configural processing upside down: Part- and whole body postures. *Abstracts of the Psychonomics Society, 8*, 50.
- 15. **Reed, C.L**., Stone, V.E., \*Morton, B., Cahn, S.J., Szaflarski, J., \*Cory, C., & \*Ruggles, D. (2002). To not hear music: a case of congenital amusia. *Society for Neuroscience Abstracts, 28.*
- 16. **Reed, C.L.** & \*Grubb, J. D. (2002). Visual and motor effects in cued line bisection. *Abstracts of the Psychonomics Society*, *7*, 64.
- 17. **Reed, C.L**., Tanabe, J., & \*Grubb, J. (2002). Cortical specialization for faces and objects during tactile object recognition. *NeuroImage*, *16* (2).
- 18. **Reed, C.L**., \*Bozova, S., Stone, V.E., & Tanaka, J. (2001). The body inversion effect. *Abstracts of the Psychonomics Society, 6*, 111.
- 19. **Reed, C.L**., Klatzky, R.J., \*Shoham, S., Baldwin, S., Jordin, J. & Halgren, E. (2000). "What" vs. "where" in somatosensory cortex: an fMRI study. *Abstracts of the Psychonomics Society*, *5*, 38.
- 20. **Reed, C.L**., Dale, A.M., \*Dhond, R.P., Post, D., Paulson, K., & Halgren, E. (2000). Tactile pattern and location discrimination using MEG. *Society for Neuroscience Abstracts, 26*, 1686.
- 21. **Reed, C.L**., Dale, A.M., \*Dhond, R.P., Post, D., Paulson, K., & Halgren, E. (2000). Activation of ventrolateral somatosensory cortex for tactile pattern discrimination using MEG. *NeuroImage*, *11*, S688.
- 22. **Reed, C.L.**, Halgren, E., \*Dhond, R.P.,\* Rabbel, C.D., & Paulson, K. (1999). Activation of SII during passive tactile pattern discrimination using MEG. *Abstracts of the Psychonomic Society*, *4*, 36.
- 23. **Reed, C.L**., \*Shoham, S., Halgren, E., & Norman, R. (1999). Tactile object recognition activates the secondary somatosensory area (SII): an fMRI study. *Society for Neuroscience Abstracts, 25,* 1894.
- 24. Polk, T., **Reed, C.L**., Keenan, J., Hogarth, P., & Anderson, C.A. (1999). A semantic deficit for numbers: a case of acalculia. *Society for Neuroscience Abstracts*, *25*, 893.
- 25. Davis, J.T., Jones, G.M., **Reed, C.L.,** Thoma, R.J., Paulson, K., & Lewine, J.D. (1998). Temporal and spatial characteristics of the magnetic-field resulting from auditory rehearsal of a stored tone sequence, *Journal of Cognitive Neuroscience*, 40.
- 26. Lakatos, S., & **Reed, C.L**. (1998). Ecological and referential constraints on attended body locations. *Abstracts of the Psychonomic Society, 3*, 42.
- 27. **Reed, C.L**., Bryant, D.J., & \*Lanca, M. (1997). Frames of reference for visual and tactile object recognition. *Abstracts of the Psychonomic Society*, *2*, 37.

- 28. **Reed, C.L**., & \*McGoldrick, J.E. (1996). Spatial representations of body position: What activates the body schema? *Abstracts of the Psychonomic Society*, *1*, <u>58</u>.
- 29. Bryant, D.J., **Reed, C.L**., & \*Lanca, M. (1996). Frames of reference for form perception in vision and touch. *Abstracts of the Psychonomic Society*, *1*, 59.

# **Professional Publications**

- 1. **Reed, C.L**. (1989-1990). Proficiency and performance exams for mechanics at Calvert Cliffs Nuclear Power Plant.
- 2. Reed, C.L. (1989-1990). Written exams for mechanics at Calvert Cliffs Nuclear Power Plant. Performance Exams
- 3. **Reed, C.L**. (1989-1990). On-the-job training manuals for mechanics at Calvert Cliffs Nuclear Power Plant.

# **Invited Talks**

- 1. Reed, C.L. (2019, April). The neural bases of body perception and action. Hampshire College, Amherst, MA.
- 2. **Reed, C.L.** (2018, March). Automatic processing of facial & bodily expressions of emotion: It's not all input. North Dakota State University, Fargo, ND.
- 3. **Reed, C.L.** (2017, October). Emotional mimicry beyond the face. 7C Psychology Interdisciplinary Research Panel, Claremont, CA.
- 4. Reed, C.L. (2017, May). Anything I could do, Bruce could do better. Memorial symposium for Bruce Bridgeman.
- 5. Visual Science Society, St. Pete's Beach, FL.
- 6. **Reed, C.L.** (2017, April). What ERPs reveal about the body's influence on vision. University of California, Riverside. Riverside, CA.
- Reed, C.L. (2016, October). The neural bases of body perception and action. Occidental College, Los Angeles, CA. Reed, C.L. (2016, May). Faculty careers at primarily undergraduate institutions (PUIs). VSS Workshop for PhD Students and Postdocs, St. Pete's Beach, FL.
- Reed, C.L. (2016, April). Magic and neuroscience. Alumni Weekend, Claremont McKenna College, Claremont, CA. Reed, C.L. (2016, February). The neural bases of body perception and action. Athenaeum, Claremont McKenna College, Claremont, CA.
- 9. **Reed, C.L.** (2015, February). Magic and neuroscience. Parent's Weekend, Claremont McKenna College, Claremont, CA.
- 10. **Reed, C.L.,** Harris, A., & Kind, A. (2014, February). The fate of the mind. Presidential Scholar's Roundtable, Claremont McKenna College, Claremont, CA.
- 11. **Reed, C.L**. (2013, March). The impact of the body on spatial attention. Dept of Psychology, University of California, Riverside, CA.
- 12. Reed, C.L. (2013, March). The body's functional space in allocation of attention. Dept of Cognitive Science, University of California, San Diego, La Jolla, CA.
- 13. Reed, C.L. (2012, November). The body's functional space in allocation of attention. ERNI-HSF Science Meeting:
- 14. Orienting of Attention. Neuronal Implementation, Underlying Mechanisms and Clinical Implications Tubingen, Germany.
- 15. **Reed, C.L**. (2012, March). The impact of the body on spatial attention. Dept of Psychology, Notre Dame University, South Bend, IN.
- 16. **Reed, C.L**. (2011, March). Using our faces and bodies to perceive other's emotional displays. Workshop on Psychology of Face and Gesture Recognition. 9th IEEE International Conference on Automatic Face and Gesture Recognition. Santa Barbara, CA.
- 17. **Reed, C.L.** (2010, December). The impact of the body on visual attention. Dept of Opthomology, Western University, Pomona, CA.
- 18. **Reed, C.L.** (2010, November). Body biases in spatial attention. Cognitive lunch talk, Claremont Graduate University, Claremont, CA.
- 19. Reed, C.L. (2010, August). Embodied body perception. Dept of Psychology, University of Queensland, Brisbane, Australia.
- 20. **Reed, C.L.** (2010, April). The role of the insula in tactile object recognition: Neuroimaging evidence. Conference on the Insula, Grenada, Spain.

- 21. **Reed, C.L.** (2010, March). Seeing you through me: Using our own bodies to perceive others. Claremont McKenna College Alumni Group, Denver, CO.
- 22. **Reed, C.L.** (2010, February). The influence of the body on spatial attention. Dept of Psychology, University of California, Santa Barbara.
- 23. **Reed, C.L**., (2010, February). Seeing you through me: Using our own bodies to perceive others. Research Colloquia, Fuller Graduate School of Psychology. Pasadena, CA.
- 24. **Reed, C.L**., (2009, November) The role of specialized body processing for embodied social perception. Behavior, Evolution, and Culture Speaker Series, UCLA. Los Angeles, CA.
- 25. **Reed, C.L**. (2009, November). Seeing you through me: Using our own bodies to perceive others. Claremont Discourse Faculty Lecture Series, The Libraries of the Claremont Colleges. Claremont, CA.
- 26. **Reed, C.L.**, (2009, April). Seeing you through me: Using our own bodies to perceive others. Dept of Psychology, University of Chicago, Chicago, IL.
- 27. **Reed, C.L.** (2008, March). How do we get from high school to where we are now? Distinguished Speakers Career Panel. Resources for Educations and Employment Opportunities (REEO). Sponsored by Pasadena Community College, Pasadena, CA.
- 28. **Reed, C.L.** (2008, February). Influences of the body on spatial attention. Dept of Psychology, University of California, Irvine, Irvine, CA.
- 29. **Reed, C.L.,** & Garza, J.P. (2007, November). The body impacts spatial attention. Embodied Perception and Cognition Symposium at the 48<sup>th</sup> Meeting of the Psychonomic Society, Long Beach, CA.
- 30. Reed, C.L. (2007, November). Embodied social perception. Cognitive lunch talk, Claremont Graduate University, Claremont, CA.
- 31. **Reed, C.L.** (2007, October). Spatial attention and the influence of bimodal neurons Neuroscience seminar series, Claremont McKenna College, Claremont, CA.
- 32. **Reed, C.L.,** Garza, J.P., & Roberts, R.J., Jr. (2007, September). The actions of ourselves and others direct spatial attention. Conference on Self, Intersubjectivity and Social Neuroscience: From Mind and Action to Society. Torun, Poland.
- 33. **Reed, C.L.** (2007, February). The influence of the body on spatial attention. Brain Mind Institute, Ecole Polytechnique Federale de Lausanne, Swiss Federal Institute of Technology, Lausanne, Switzerland.
- 34. **Reed, C.L.** (2007, February). The embodiment of social perception. Brain Mind Institute, Ecole Polytechnique Federale de Lausanne, Swiss Federal Institute of Technology, Lausanne, Switzerland.
- 35. **Reed, C.L.** (2007, February). On-line body perception in the context of others. Dept of Psychology, Claremont McKenna College, Claremont, CA.
- 36. **Reed, C.L.** (2006, June). The embodiment of configural processing and expertise. "Embodiment, Ego-Space, and Action" 34th Annual Carnegie Symposium on Cognition. Carnegie Mellon University, Pittsburgh, PA.
- 37. **Reed, C.L.** (2006, May). Configural processing of body postures. "Getting in touch with the body" Symposium, Association for Psychological Science, New York, NY.
- 38. **Reed, C.L**. (2006, April). Remembering your posture: Influences of configuration and expertise. Ellis-Battig Memory Symposium, Rocky Mountain Psychological Association Meeting, Park City, UT.
- 39. Reed, C.L. (2005, June). Grasping attention. Dept of Experimental Psychology, Oxford University, UK.
- 40. **Reed, C.L.** (2004, March). Configural processing of the human body. Dept of Psychology, Colorado State University, Fort Collins, CO.
- 41. **Reed, C.L.** (2003, July). Not just posturing: Body schema matters. Max Planck Workshop on "The Human Body: From the Inside Out", Kloster Irsee, Germany.
- 42. **Reed, C.L**. (2003, March). Advantages and disadvantages of using web tutor in the Psychology classroom. Center for Teaching and Learning, University of Denver.
- 43. **Reed, C.L**. (2001, April). A touch on the hand is worth two pathways in the brain. Invited talk for the Developmental Psychobiology Research Group, University of Colorado Health Sciences Center.
- 44. **Reed, C.L**. & Vinson, N. (September, 2000). Potential Sources of Object-Specific Effects on Representational Momentum. Invited talk at the "Representational Momentum 2000" Workshop, Max Plank Institute, Tuebingen, Germany.

- 45. Reed, C.L., Dale, A.M., Dhond, R.P., Post, D., Paulson, K., & Halgren, E. (2000, June). Tactile pattern discrimination activates ventrolateral somatosensory cortex: An MEG study. Selected presentation at the 6<sup>th</sup> Annual Human Brain Mapping Meeting, San Antonio.
- 46. **Reed, C.L**. (1999, September). Academics and athletics together improve women's college experience. Invited speaker for the 20<sup>th</sup> Anniversary of Women's Athletics at the University of Denver, Denver.
- 47. **Reed, C.L**. (1999, March). Spatial representations of body position in the self and others. Symposium on "The Imitative Mind: Development, Evolution, and Brain Bases". Seon, Germany.
- 48. **Reed, C.L**. (1997, February). A dissociation of "what" versus "where" in the somatosensory system: Evidence from a patient with tactile agnosia. Invited talk at Developmental Psychobiology Research Group, University of Colorado Health Sciences Center.
- 49. **Reed, C.L**. (1996, December). Subcortical influences in motor preprogramming and on-line control in patients with Parkinson's disease. Invited talk at the Dept of Human Kinetics, University of British Columbia, Vancouver, Canada.
- 50. **Reed, C.L**. (1996, May). Subcortical influences in motor control for patients with Parkinson's disease. Invited talk at the Dept of Psychology, University of Utah, Salt Lake City.
- 51. **Reed, C.L**. (1996, May). Cognitive motor deficits in patients with Parkinson's disease. Invited speaker at the meeting of the Colorado Neuropsychological Society, Colorado Springs.
- 52. **Reed, C.L**. (1995, April). Tactile agnosia: underlying impairment and implications for normal tactile object recognition. Invited talk at the Dept of Psychology, University of Colorado, Boulder.
- 53. **Reed, C.L**. (1994, July). Dissociations between shape and space processing when tactile object recognition is impaired. Invited talk for Neuropsychology Grand Rounds at the Hospital of University of Pennsylvania.

# **Conference Presentations (\* indicates student co-author)**

- 1. Harris, A.M., & **Reed, C.L.** (2020, May). Doing vs. viewing: Common neural correlates of motor execution and body movement perception in EEG. Paper presented at the Visual Science Society, St. Pete Beach, FL.
- Couperus, J.W., \*Hollis, J., \*Roy, J., \*Lowe, A., Reed, C.L., & Bukach, C.M. (March, 2020). Individual differences in self-reported autistic traits and the N2pc. Presented at the Cognitive Neuroscience Society Annual Meeting. Boston, MA.
- Reed, C.L., \*Berlin, M.K., \*Diamond, E., \*Potter, H.M., \*Jo, A., \*Kim, J.H., \*Saikley, A. Couperus, J.W., & Bukach, C.M. (2019, November). It's not just the age, it's the emotion: Own age bias is mediated by emotion. Presented at the 59<sup>th</sup> meeting of the Psychonomics Society, Montreal, Quebec, CA.
- \*Lowe, A., \*Hollis, J., \*Roy, J., \*Okabe, T., Bukach, C., Reed, C., Couperus, J.W. Working Memory, short-term visual memory and the N400. (2019, September). Presented at the 59<sup>th</sup> meeting of the Society for Psychophysiological Research, Washington, DC
- 5. Berlin, M.K., Diamond, E., Potter, H.M. Jo, A., Kim, J.H., Saikley, A. Couperus, J.W., Bukach, C.M., & **Reed, C.L.** (2019, September). It's not just the age, it's the emotion: Own age bias is mediated by emotion. Presented at the meeting of the Society for Psychophysiological Research, Washington, DC.
- Reed, C.L., \*Lodge, M., Siqi-Liu, A., Berlin, M., Hagen, E., Jo, A., Burre, A., Saikley, A., Zeledon, J., Couperus, J., & Bukach, C. (2019, May). Anxiety, depression, and their comorbidity influence neural responses to errors. Presented at the Visual Science Society, St. Pete Beach, FL.
- \*Borgatti, S., \*Hollis, J., \*Lydic, K., \*Pestana, Z., \*Lowe, A., \*Welty, H., \*Aming, C., Bukach, C., Reed, C., Couperus, J. (2019, March). The N2pc and individual differences in working memory. Paper presented at the Cognitive Neuroscience Society Annual Meeting. San Francisco, CA.
- \*Siqi-Liu, A., Harris, A., Atkinson, A.P., & Reed, C.L. (2019, March). Dissociable processing of emotional and neutral body movements revealed by μ-alpha and beta Rhythms: Evidence from EEG. Paper presented at the 26<sup>nd</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- 9. \*Mueller, E., Wood, S.A., Hanoch, Y., Huang, Y., Klapatch, L., Paul, J., **Reed, C.L.,** & Xi, P.M. (2018, November)., Older and wiser: An investigation into the relationship between aging, emotional intelligence, and susceptibility to financial scams. Presented at the Gerontological Society of America, Boston, MA.

- 10. \*Park, G., & **Reed, C.L.** (2018, November). Tool actions in far & near space affect the distribution of visual attention along the tool. Presented at the 58<sup>th</sup> meeting of the Psychonomics Society, New Orleans, LA.
- 11. \*Liu, S., Harris, A., Atkinson, A.P., & Reed, C.L. (2018, November). Understanding you through me: Neural Simulation of Others' Emotional Body Language. Presented at the 58<sup>th</sup> meeting of the Psychonomics Society, New Orleans, LA.
- 12. \*Laskowitz, S., \*Deutsch, A., \*Cole, Z.J., \*Jackson, W., \*Cinge, C., \*Sathe, A., \*Munezero, P., \*Kade, P., Couperus, J.W., Reed, C.L., & Bukach, C.M. (2018, November). Angry Bias for Black Male Faces Associated with Increased Other-Race Effect for Identity during Visual Discrimination. Presented at the 58<sup>th</sup> meeting of the Psychonomics Society, New Orleans, LA.
- 13. \*Laskowitz, S., \*Deutsch, A., \*Cole, Z.J., \*Jackson, W., \*Cinge, C., \*Sathe, A., \*Munezero, P., \*Kade, P., Couperus, J.W., Reed, C.L., & Bukach, C.M. (2018, May). Angry Bias for Black Male Faces Associated with Increased Other-Race Effect for Identity during Visual Discrimination. Presented at the 30th meeting of the Association for Psychological Science's Teaching Institute, San Francisco, CA.
- 14. \*Lodge, M., \*Liu, S., \*Berlin, M., \*Hagen, E., \*Jo, A., \*Burre, A., \*Cole, Z., Couperus, J., Bukach, C., & Reed, C.L. (2018, May). Oh X!#@\$!: Individual Differences in Inhibition and Abstract Reasoning Influence Neural Responses to Errors? Presented at the 30th meeting of the Association for Psychological Science, San Francisco, CA.
- \*Liu, S., \*Lydic, K., \*Lodge, M., \*Hagen, E., \*Berlin, M., \*Jo, A., \*Burre, A., \*Cole, Z., Couperus, J., Bukach, C., & Reed, C.L (2018, May). Individual Differences in Working Memory and Abstract Reasoning Modulate the P3 Response. Presented at the 30<sup>th</sup> meeting of the Association for Psychological Science, San Francisco, CA.
- 16. \*Young, A., \*Hughson, L., \*Green, D., Harris, A., Doan, S., Hughson, E., & **Reed, C.L.** (2018, May). Perceived Relative Social Status and Cognitive Load Influence Acceptance of Unfair Offers in the Ultimatum Game. Presented at the 30th meeting of the Association for Psychological Science, San Francisco, CA.
- 17. Harris, A., \*Jo, A., \*Lodge, M., \*Zeledon, J., \*Saikley, A., & Reed, C.L. (2018, May). Segmentation of the Human Body: How Does the Visual System Define Body Parts? Presented at the 30<sup>th</sup> meeting of the Association for Psychological Science, San Francisco, CA.
- 18. \*Jackson, W., \*Song, J., \*Steward, K., Couperus, J.W., Reed, C.L., & Bukach, C.M. (May 2018). Interactive
- 19. Neuroscience: Creating Interactive Web-Based Simulations to Demonstrate Difficult Concepts through Student-Faculty Collaboration. Presented at the 30th meeting of the Association for Psychological Science's 25<sup>th</sup> Teaching Institute, San Francisco, CA.
- 20. \*Hagen, E., Couperus, J.W., Bukach, C.M., & Reed, C.L. (2018, May). Visualizing Neuroscience: Applying Best Practices When Creating Animations of Difficult Concepts. Presented at the 30th meeting of the Association for Psychological Science's 25<sup>th</sup> Teaching Institute, San Francisco, CA.
- 21. \*Lydic, K., \*Nwanwko, F., \*Hollis, J., Bukach, C.M., **Reed, C.L.,** & Couperus, J.W. (Feb. 2018). *Individual Differences in Perceived Stress and Anxiety and the P3 Response*. Northeast Under/graduate Research Organization for Neuroscience (NEURON) Conference 2018, North Haven, CT.
- 22. \*Green, D., Harris, A., \*Young, A., & **Reed, C.L**. (2017, November). Embodied valuation: Action is associated with item values. Paper presented at the 57<sup>th</sup> meeting of the Psychonomic Society, Vancouver, Canada.
- 23. **Reed, C.L.,** Harris, A., \*Lodge, M., & \*Gaither, G. (2017, May). *Segmentation of the Human Body: How Does the Visual System Define Body Parts?* Paper presented at the Visual Science Society, St. Pete Beach, FL.
- 24. Reed, C.L., Moody, E.J., \*Van Bommel, T., \*App, B., & McIntosh, D.N. (2017, March). Emotional mimicry beyond the face: Rapid face and body responses to facial expressions. Paper presented at the 24<sup>nd</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- 25. **Reed, C.L.,** \*McGoldrick, J.E., & Bukach, C., (2016, November). The ups and downs of holistic body processing: Differences in orientation specificity for short and long-term memory tasks. Paper presented at the 56<sup>th</sup> meeting of the Psychonomic Society, Boston, MA.
- 26. \*Clay, S.N., Clithero, J.A., Harris, A., & **Reed, C.L**. (2016, November). Loss aversion reflects information processing, not bias: A drift diffusion model. Paper presented at the 56<sup>th</sup> meeting of the Psychonomic Society, Boston, MA.
- 27. \*Clay, S., Harris, A., \*Green, D., & **Reed, C.L.** (2016, November). Loss aversion affects inhibitory processes for reward as indicated by inhibition of return. Paper presented at OPAM, Boston, MA.

- 28. \*Clay, S., Harris, A., \*Green, D., & **Reed, C.L.** (2016, May). Loss aversion affects inhibitory processes for reward as indicated by inhibition of return. Paper presented at the Visual Science Society, St. Pete Beach, FL.
- 29. **Reed, C.L.,** \*Vyas, D., \*Garza, J., \*Bush, W., & Vecera, S. (2016, May). Proprioceptive influences on the processing of visual targets: An ERP study. Paper presented at the Visual Science Society, St. Pete Beach, FL.
- 30. **Reed, C.L.,** \*Bush, W., \*Vyas, D., & Vecera, S. (2015, November). Does hand function bias the neural processing of visual targets? An ERP Study. Paper presented at the 55<sup>th</sup> meeting of the Psychonomic Society, Chicago, IL.
- 31. Bukach, C., Couperus, J., Kieffaber, P., & **Reed, C.L.** (2015, May). Preparing Undergraduates for STEM-related fields Using Electrophysiology (PURSUE). Paper presented at the 27<sup>th</sup> meeting of the Association for Psychological Science, New York, NY.
- 32. **Reed, C.L**., \*Vyas, D., & Harris, A. (2015, May). Holistic processing of body postures. Paper presented at the Visual Science Society, St. Pete Beach, FL.
- 33. \*Kramer, A., \*Clay, S.N., Hartley, A.A., Leland, D.S., Reed, C.L. (2015, March). Age-related differences in early and late hand proximity effects on visual evoked potentials. Paper presented at the 22<sup>nd</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- 34. \*Clay, S.N., Harris, A., & **Reed, C.L** (2014, May). Individual differences influence learning of risk distribution. Paper presented at the 26<sup>th</sup> meeting of the Association for Psychological Science, San Francisco, CA.
- 35. \*Kramer, A., \*Clay, S.N., Hartley, A.A., Leland, D.S., **Reed, C.L**. (2014, May). Age-related differences in early and late hand proximity effects on visual evoked potentials. Paper presented at the 26<sup>th</sup> meeting of the Association for Psychological Science, San Francisco, CA.
- 36. **Reed, C.L.,** \*Bush, W., \*Garza, JP, \*Nagar, N., \*Parikh, N., & Vecera, S. (2014, May). Hand location affects visual processing under distributed but not focused spatial attention: An electrophysiological study. Paper presented at the 26<sup>th</sup> meeting of the Association for Psychological Science, San Francisco, CA.
- 37. Reed, C.L., \*Bush, W., \*Parikh, N., \*Nagar, N., \*Garza, JP, & Vecera, S. (2014, April). Hand location affects visual processing under distributed but not focused spatial attention. Paper presented at the 21<sup>th</sup> Meeting of the Cognitive Neuroscience Society, Boston, MA.
- 38. \*Vincente, B., McIntosh, D., & Reed, C.L. (2014, February). Perceptual goal and absence of facial information influence use of others' body in judging emotion, status, and threat. Paper presented at the 15<sup>th</sup> meeting of the Society for Personality and Social Psychology, Austin, TX.
- 39. \*Morrisey, M., Reed, CL, McIntosh, DN., & Rutherford, M. (2013, November). Covert attentional orienting to implied human action in adults with autism. Paper presented at the 53<sup>rd</sup> Meeting of the Psychonomic Society, Toronto, Canada.
- 40. \*Park, G., & **Reed, CL**. (2013, November). Relative contributions of vision and proprioception to attention during tool use. Paper presented at the 53<sup>rd</sup> Meeting of the Psychonomic Society, Toronto, Canada.
- 41. **Reed, C.L**., \*Manzella, R., \*Blattman, A., Reed, W.A., & McIntosh, D.N. (2013). *Where do we look when we look for emotion? The influence of cognitive and affective primes on fixations to the face and body*. Paper presented at the Visual Science Society, Naples, FL.
- 42. Leland, D.S., \*Brekke, B., Hartley, A., & **Reed, C.L.** (April, 2013). Attention's grasp: Early and late hand proximity effects on visual evoked potentials. Paper presented at the 20<sup>th</sup> Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- 43. \*Vincente, B., McIntosh, D., & **Reed, C.L.** (2014, February). Does judgment type moderate use of nonverbal social cues in judgments of threat, status & emotion? Paper presented at the 14<sup>th</sup> meeting of the *Society for Personality and Social Psychology*, Austin, TX.
- 44. **Reed, CL,\*** Park, G., & \*Strom, M. (May, 2012). To the end! Distribution of attention along a tool in peri- and extrapersonal space. Paper presented at the Visual Science Society, Naples, FL.
- 45. Leland, DS, **Reed, CL**, \*Bradley, JL, \*Jablonski, PM, & \*Kroner, KA. (April, 2012). Incentive effects on behavior and P3 in a go/nogo paradigm with lottery-type reward. Paper presented at the 19<sup>th</sup> Meeting of the Cognitive Neuroscience Society, Chicago, IL.
- Reed, C.L., \*Brekke, B., Leland, D., & Hartley, A. (2011, November). Electrophysiology of embodied attention: Hand influences in visual N1, P1, and P3. Paper presented at the 51<sup>th</sup> Meeting of the Psychonomic Society, Seattle, WA.

- 47. **Reed, C.L.**, \*Garber, M., & McIntosh, D.N. (2011, May). Relative Independence of Face and Body Posture Processing.
- 48. Paper presented at the Visual Science Society, Naples, FL.
- 49. \*Park, G., & **Reed, C.L**. (2010, September). The effects of context and steering a driver's functional field of view. Paper presented at the 54<sup>th</sup> annual meeting of the Human Factors and Ergonomic Society.
- 50. \*Kline, S., & **Reed, C.L**. (2010, May). Temporal Illusions: how approaching stimuli influence interval timing. Paper presented at the meeting of the Association for Psychological Science, Boston, MA.
- 51. \*Wudke-Robles, M., **Reed, C.L.**, & McIntosh, D.N. (2010, May). What drives where we look for emotional faces? Paper presented at the meeting of the Association for Psychological Science, Boston, MA.
- 52. Leland, D., Reed, C.L., \*Strom, M., & \*Garza, J. (2010, April). Electrophysiology of selective attention toward graspable space. Paper presented at the 17<sup>th</sup> Meeting of the Cognitive Neuroscience Society, Montreal, Canada.
- 53. \*Garza, J., **Reed, C.L**., & Snyder, K. (2009, November). Neural mechanisms of hand-based effects on visual attention: An ERP study. Paper presented at the 49<sup>th</sup> Meeting of the Psychonomic Society, Boston, MA.
- 54. **Reed, C.L.,** \*Wilbarger, J., & McIntosh, D.N. (2009, May). You don't feel what I am feeling: Emotional postures influence perceptions of others. Paper presented at the meeting of the Association for Psychological Science, San Francisco, CA.
- 55. \*Strom, M., **Reed, C.L.,** & Wright, C.E. (2009, May). Embodied spatial attention: effects of cue and response. Paper presented at Psychology Undergraduate Research Conference, UCLA, Los Angeles, CA.
- 56. \*App, B., McIntosh, D.N., & Reed, C.L. (2009, February) Relative importance of facial and body expressions in determining action intentions and emotion. 10<sup>th</sup> Meeting of the Society for Personality and Social Psychology, Tampa, FL.
- 57. Reed. C.L., Beall, P., & McIntosh, D.N. (2008, November). Relation between load independence and configural processing for face recognition. Paper presented at the 48<sup>th</sup> Meeting of the Psychonomic Society, Houston, TX.
- 58. \*App, B., \*Van Bommel, T., McIntosh, D.N., Reed, C.L., & Moody, E.J. (2008, February) Mimicking what is done or what is meant? Understanding the mechanisms of mimicry. 9<sup>th</sup> Meeting of the Society for Personality and Social Psychology, Albequerque, NM.
- 59. Newman, K.E, Jones, I.R., McRae, C., & **Reed, C.L.** (2007, October). A multidisciplinary course to implement bioengineering design projects for persons with disabilities. Frontiers in Education Conference, Milwaukee, WI.
- 60. \*App, B., McIntosh, D. N., & **Reed, C. L**. (2007, January). A social-functional approach to emotion communication: "How" depends on "why". Poster presented at the Society for Personality and Social Psychology Annual Meeting, Memphis, TN.
- 61. \*Garza, J., **Reed, C.L**., & Roberts, R.J., Jr. (2006, November). Grab it! Action plus attention cues covert attention. Paper presented at the 46<sup>th</sup> Meeting of the Psychonomic Society, Houston, TX.
- 62. Szaflarski JP, Cahn SJ, & **Reed CL** (2006, March). "What is wrong with the brain in congenital amusia? An fMRI study" 29<sup>th</sup> Annual Meeting of the American Society of Neuroimaging, San Diego, CA.
- 63. **Reed, C.L.,** \*Reding, P., Du, Y., & Siegal, D. (2006, April). What's up in the brain? An fMRI study. Presented at the annual meeting of the Cognitive Neuroscience Society. San Francisco, CA.
- 64. **Reed, C.L.**,\* Gervais, W., \*Beall, P., Roberts, R., Ho, M., & \*McCarley, K.E. (2005, November). Human action directs attention. Paper presented at the 45<sup>th</sup> Meeting of the Psychonomic Society, Toronto, ONT, Canada.
- 65. \*Beall, P. M., **Reed, C**., \*Kopelioff, L., Hepburn, S., & \*Pulham, D. (2005, May). Body Posture: What individuals with Autism Spectrum Disorder might be missing. Presenting at the annual meeting of the International Meeting for Autism Research. Boston, MA.
- 66. \*Beall, P. M., **Reed, C**., \*Kopelioff, L., Hepburn, S., & \*Pulham, D. (2005, April). Body Posture: What individuals with Autism Spectrum Disorder might be missing. Presented at the annual meeting of the Cognitive Neuroscience Society. New York, NY.
- 67. \*Betz, R., \*Grubb, J.D. & **Reed, C.L.** (2005, April). Grab that! The hand's functional capabilities direct attention. 19<sup>th</sup> National Conference on Undergraduate Research (NCUR). Lexington, VA.
- 68. **Reed, C.L.,** \*Grubb, J.D.,\* Steele, C., \*Betz, R., & \*Baker, JD. (2004, November). Grasping attention. Paper presented at the 44<sup>th</sup> Meeting of the Psychonomic Society, Minneapolis, MN.

- 69. Cahn, J., Szaflarski, **Reed, C.L**., Stone, V.E., J., \*Morton, B., \*Cory, C., & \*Ruggles, D. (2004, August). On MusicSpecific Deficits: A Case Study of Congenital Amusia. Presented at the 8th International Conference on Music Perception and Cognition. Evanston, II.
- 70. \*Kopelioff, L., Stone, V.E., & **Reed, C.L.** (2004, May). Recognition strategies used by individuals with autism spectrum disorder. Presented at the Biennial meeting of the International Meeting for Autism Research, Sacramento, CA.
- 71. \*Grubb, J.D. & **Reed, C.L.** (2004, April). Walk this way, look that way: The role of body orientation in spatial attention. Paper presented at the meetings of the Cognitive Neuroscience Society, New York.
- 72. **Reed, C.L.**, Stone, V.E., & \*Grubb, J.D. (2003, November). Turning configural processing upside down: Part- and whole body postures.\_Paper presented at the 44<sup>nd</sup> Meeting of the Psychonomic Society, Vancouver, BC.
- 73. **Reed, C.L.** & \*Grubb, J.D. (2003, March). Grasping attention: the effects of hand proximity on visual covert orienting. Paper presented at the meetings of the Cognitive Neuroscience Society, New York.
- 74. \*Grubb, J.D. & **Reed, C.L.** (2003, March). Subjective straight ahead is more in the eye than the neck of the beholder. Paper presented at the meetings of the Cognitive Neuroscience Society, New York.
- 75. **Reed, C.L**., Stone, V.E., Cahn, J., Szaflarski, J., \*Morton, B., \*Cory, C., & \*Ruggles, D. (2002, November). To not hear music: a case of congenital amusia. Paper presented at the 32nd Annual Meeting of the Society for Neuroscience, Orlando.
- 76. **Reed, C.L.** & \*Grubb, J. D. (2002, November). Visual and motor effects in cued line bisection. Paper presented at the 43<sup>nd</sup> Meeting of the Psychonomic Society, Kansas City.
- 77. **Reed, C.L**., Tanabe, J., & \*Grubb, J. (2002, June). Cortical specialization for faces and objects during tactile object recognition. Paper presented at the 8<sup>th</sup> meeting of Human Brain Mapping.
- 78. **Reed, C.L.**, \*Bozova, S., Stone, V.E., & Tanaka, J. (2001, November). The body inversion effect. Paper presented at the 42<sup>nd</sup> Meeting of the Psychonomic Society, Orlando.
- 79. \*Wilbarger, J. L., **Reed, C.** & McIntosh, D.N. (2002, June). Perception of emotion in body position. Paper presented at the 13th Annual American Psychological Sciences Convention, Toronto, ON, Canada.
- 80. \*Grubb, J.D., & **Reed, C.L**. (2001, March). Misalignment of spatial reference frames produces "neglect" in normal subjects. Cognitive Neuroscience Society, New York.
- 81. \*Wilbarger, J., McIntosh, D., Winkielman, P., & **Reed, C.L**. (2001). Detecting changes in emotional postures in the self and others. Association for Psychological Science.
- Reed, C.L., Halgren, E., Klatzky, R.J., Shoham, S., Jordin, J., & Baldwin, S. (2000, November). "What" versus "Where" in Touch: an fMRI Study. Paper presented at the 41<sup>st</sup> Meeting of the Psychonomic Society, New Orleans.
- 83. **Reed, C.L.** (2000, November). Tactile stimulators for fMRI and MEG. Paper presented at the Annual Tactile Research Group meeting, New Orleans.
- Reed, C.L., Dale, A.M., \*Dhond, R.P., Post, D., Paulson, K., & Halgren, E. (2000, November). Tactile pattern and location discrimination using MEG. Paper presented at the 30<sup>th</sup> Annual Meeting of the Society for Neuroscience, New Orleans.
- 85. \*Grubb, J. D. & **Reed, C.L**. (2000, September). Effects of TMV on body midline differ in peripersonal and extrapersonal space. Paper presented at the EuroConference on Cognitive and Neural Bases of Spatial Neglect, Como, Italy.
- 86. \*Grubb, J. D. & **Reed, C.L**. (2000, April). Evidence for multiple spatial representations from TMV of the posterior neck muscles. Paper presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Reed, C.L., Halgren, E., \*Dhond, R.P., \*Rabbel, C.D., & Paulson, K. (1999, November). Activation of SII during passive tactile pattern discrimination using MEG. Paper presented at the 40<sup>th</sup> Meeting of the Psychonomic Society, Los Angeles.
- Reed, C.L., Shahom, S., Halgren, E., & Norman, R. (1999, October). Tactile object recognition activates the secondary somatosensory area (SII): an fMRI study. Paper presented at the 29<sup>th</sup> Annual Meeting of the Society for Neuroscience, Miami.
- 89. Polk, T., **Reed, C.L**., Keenan, J., Hogarth, P., & Anderson, C.A. (1999, October). A semantic deficit for numbers: a case of acalculia. Paper presented at the 29<sup>th</sup> Annual Meeting of the Society for Neuroscience, Miami.

- 90. \*Grubb, J., & **Reed, C.L**. (1999, April). Distortions of near and far space produced by TMV. Paper presented at the fifth meeting of the Cognitive Neuroscience Society, Washington, D.C.
- 91. \*McGoldrick, J., & **Reed, C.L**. (1999, April). Mechanisms and processes influencing the spatial body schema. Paper presented at the 5th meeting of the Cognitive Neuroscience Society, Washington, D.C.
- 92. Lakatos, S., & **Reed, C.L**. (1998, November). Ecological and referential constraints on attended body locations. Paper presented at the39th meeting of the Psychonomic Society, Dallas.
- 93. **Reed, C.L**., Polk, T., Keenan, J., Hogarth, P., & Anderson, C.A. (1998, April). A case of acalculia: number comprehension and processing. Paper presented at the 4th meeting of the Cognitive Neuroscience Society, San Francisco.
- 94. Davis, J.T., Jones, G., **Reed, C**., Thoma, R., & Lewine, J.D. (1998, April). Temporal localization of auditory short-term memory using MEG. Paper presented at the 4th meeting of the Cognitive Neuroscience Society, San Francisco.
- 95. **Reed, C.L**. (1997, November). Spatial frames of reference in touch using the horizontal-vertical illusion. Paper presented at the meeting of the Tactile Research Group, Philadelphia.
- 96. **Reed, C.L**., & O'Brien, C.F. (1996, March). Motor imagery deficits in patients with Parkinson's Disease. Paper presented at the 3rd meeting of the Cognitive Neuroscience Society, San Francisco.
- 97. **Reed, C.L.,** & Franks, I. M. (1995, November). Movement preprogramming and on-line control in Parkinson's Patients. Paper presented at the 36th meeting of the Psychonomic Society, Los Angeles.
- 98. **Reed, C.L**., Caselli, R. J., & Farah, M.J. (1995, March). Tactile agnosia: underlying impairment and implications for normal tactile object recognition. Paper presented at the 2nd meeting of the Cognitive Neuroscience Society, San Francisco.
- 99. **Reed, C.L**. & \*Vinson, N.G. (1994, November). Conceptual influences on representational momentum. Paper presented at the 35th meeting of the Psychonomic Society, St. Louis.
- 100. **Reed, C.L.,** Caselli, R.J., & Farah, M.J. (1994, November). Shape and space processing in tactile agnosia. Paper presented at the Tactile Research Group meeting, St. Louis.
- 101. **Reed, C.L**. & Caselli, R.J. (1993, November). Tactile agnosia: an analysis of processing deficits. Paper presented at the 34th meeting of the Psychonomic Society, Washington, DC
- 102. **Reed, C.L.**, Caselli, R.J. & Farah, M.J. (1993, November). Is tactile agnosia specific to the hands? Paper presented at the meeting of the Tactile Research Group, Washington, DC
- 103. **Reed, C.L**. & Caselli, R.J. (1992, November). The nature of tactile agnosia. Paper presented at the meeting of the Tactile Research Group, St. Louis.
- 104. **Reed, C.L**. & Farah, M.J. (1992, November). The psychological reality of the body schema: A test with normal subjects. Paper presented at the 33rd meeting of the Psychonomic Society, St. Louis.
- 105. Lederman, S.J., Klatzky, R.L., & **Reed, C.L**. (1992, November). Orthogonal/redundant information about 3D objects: Constraints on haptic dimensional integration. Paper presented at the 33rd meeting of the Psychonomic Society, St. Louis.
- 106. **Reed, C.L.** (1991, November). Perceptual dependence between shape and texture for two- and threedimensional objects during haptic exploration. Paper presented at the 32nd meeting of the Psychonomic Society, San Francisco.
- 107. **Reed, C.L.,** Klatzky, R.L., & Lederman, S.J. (1989, August). Haptic integration of planar shape and size. Paper presented at the meeting of the American Psychological Association, New Orleans.
- 108. **Reed, C.L.,** Klatzky, R.L., & Lederman, S.J. (1989, April). Haptic integration of object properties. Paper presented at the meeting of the Western Psychological Association, Reno.
- 109. Klatzky, R.L., Lederman, S.J., & **Reed, C.L**. (1987, November). Haptic categorization of objects by multiple dimensions. Paper presented at the 28th meeting of the Psychonomic Society, Seattle.
- 110. Klatzky, R.L., Lederman, S.J., & **Reed, C.L**. (1986, November). Are object properties equally salient for vision and haptics? Paper presented at the 27th meeting of the Psychonomic Society, New Orleans.

## **Research Reported In Popular Journals and Newspapers**

- September, 2016. "CMC Psychology Professor Cathy Reed to share \$600,000 National Science Foundation grant" CMC Website/Currents Magazine. <u>https://www.cmc.edu/news/cmc-psychology-professor-cathy-reed-to-share600000-national-science-foundation-grant</u>
- August, 15, 2015. "<u>Developing Electrophysiology Training Resources</u>" APS Observer (http://www.psychologicalscience.org/index.php/publications/observer/obsonline/developingelectrophysiology -training-resources.htm)
- Anonymous. (2005). What's in a face? *Mothering Magazine, March/April*, 25.
- Lunden, J. (2004). Congenital Amusia-potential actualities. National Public Radio, Studio 360.
- Harvey, D. (2003) Journey to the centers of emotion. *Radiology Today, 4(6),* 22-25.
- Hollricher, K. (2003). Das Gehirn giert nach Musik: Konzert im Kopf. Bild der Wissenschaft, August: 24-31.
- Parrish, L. (2003). The sounds of music. University of Denver Magazine, Spring: 9.
- Parrish, L. (2003) Researchers analyze the sounds of music. The Source, 24 (5), 3.
- Reed, C.L., Stone, V.E., Cahn, J., Szaflarski, J., Cory, C., & Ruggles, D. (2002). Press Release #5016: To not hear music: a case of congenital amusia. Paper presented at the 32nd Annual Meeting of the Society for Neuroscience, Orlando.
- Travis, J. (2002). Scanning a brain that's out of tune. *Science News, 162 (Nov 23*): 334.
- Landers, P. (2002) Advanced scans offer insights to emotional map of the brain. *Wall Street Journal*, Nov 7: D4.

### **Selected Professional Service**

- 2020 Grant Reviewer, National Science Foundation
- 2018-20 Guest Editor, Frontiers in Psychology: Emotional Science
- 2018 Mentor, Women in Cognitive Science
- 2018 Grant Reviewer, IUSE, National Science Foundation
- 2017 Organizer, "Encouraging Future Scientists: Supporting Undergraduates at Psychonomics (UP)," Lunchtime Workshop at the Psychonomic Society Meeting in Vancouver, British Columbia, Canada
- 2017 Coordinator, "Teaching Undergraduate Cognitive Electrophysiology Workshop" (Richmond, VA)
- 2017 Organizer, "Social Lunch for Faculty at Primarily Undergraduate Institutions," Workshop at the Visual Sciences Society Meeting in St. Pete's Beach, FL.
- 2017 Grant Reviewer, National Science Foundation
- 2016 Organizer/Panel Member, "Panel for Careers in Primarily Undergraduate Institutions," at the Visual Sciences Society Meeting in St. Pete's Beach, FL. 2016
- 2016 Grant Reviewer, National Science Foundation
- 2015 Grant Reviewer, National Science Foundation
- 2015 Grant Reviewer, European Research Council
- 2014 Grant Reviewer, National Science Foundation
- 2013 Grant Reviewer, National Science Foundation
- 2013-18 Associate Editor, Quarterly Journal of Experimental Psychology 2012-15
- 2013-16 Board Member, Empower Autism Now!
- 2012 Grant Reviewer, National Science Foundation
- 2012 Grant Reviewer, European Research Council
- 2011 Grant Reviewer, National Science Foundation
- 2011 Grant Reviewer, European Research Council
- 2011 Grant Reviewer, European Research Council
- 2009-12 Associate Editor, Quarterly Journal of Experimental Psychology
- 2008 Program Committee, 5th International Workshop on ATTENTION IN COGNITIVE SYSTEMS, WAPCV 2008
- 2008 National Science Foundation Grant Review, Cognition and Perception
- 2007-08 Neuroscience major development, Joint Sciences & Claremont McKenna College

- 2007 Undergraduate Research Center Representative of the Marsico Steering Committee, Univ of Denver
- 2006-07 Social Sciences Representative, Partners-in-Scholarship, Univ of Denver
- 2006 National Institute of Health: Ad hoc panel member for Cognition and Perception (October)
- 2006-07 Social Sciences Representative, Marsico Steering Committee, Univ of Denver
- 2006-07 Professional Funds Committee, Dept of Psychology, Univ of Denver
- 2006 Outside Chair, Ph.D. Thesis Defense, Dept of English, Univ of Denver
- 2006-07 Professional Research Opportunities for Faculty (PROF) SOCS Peer Review Committee Chair, Univ of Denver
- 2004-06 G-9 Faculty-Trustee Committee, Univ of Denver
- 2002-07 Scientific Advisory Board Member, *MEG and fMRI Program Project*, Univ of Colorado Health Science Center
- 2001-07 Faculty Senate, Faculty Finance Committee, Univ of Denver
- 2005 Outside Chair, Ph.D. Thesis Defense, Dept of Education, Univ of Denver
- 2005 National Institute of Health: Ad hoc panel member for Cognition and Perception (June)
- 2005 Teaching Task Force, Univ of Denver
- 2005 Outside Chair, M.A. Thesis Defense, Dept of Anthropology, Univ of Denver
- 2005-07 Ammi Hyde Interviews, Univ of Denver
- 2004 Chair, Multisensory Integration Session, Psychonomic Society.
- 2002-04 Psi Chi Advisor, Univ of Denver chapter
- 2001-03 Partners in Scholarship Advisory Board, Univ of Denver
- 2001-02 Social Science Division Promotion & Tenure Committee, Univ of Denver
- 1997-02 Scientific Advisory Board Member, NIMH Program Project- Definition and Development of the Phenotype in Autism, Univ of Colorado Health Science Center
- 2000 Chair, Touch and Audition, Psychonomic Society
- 2000 Panel on "Athletics and academics—Forming faculty foundations," Univ of Denver
- 1997 Chair, Touch I Session, Psychonomic Society
- 1997 Professional Development Seminar, Univ of Denver
- 1995-03 Coordinator, Greater Denver Area Neuroscience Research Group
- 1995-97 Co-area head, Experimental Area, Univ of Denver
- 1995 Chair, Annual Meeting of the Tactile Research Group
- 1994-07 Developmental Cognitive Neuroscience Program developer, Univ. of Denver

# **CMC** Service

# 2019-2020

Keck Science Reappointment, Promotion, and Tenure Committee Science Department Chair Search Committee Student Recruitment Committee (Psychological Science) Interdisciplinary Science Scholarship Faculty Advisor/Member

# 2018-2019

Chair, Promotion to Associate Professor/Tenure review for Alison Harris Sabbatical (Fall, 2018; Spring, 2019)

# 2017-2018

Board of Trustees, Academic Affairs

Athenaeum Advisory Committee

Advisor, Freshman Orientation

Chair, Promotion to Associate Professor/Tenure review for Stacey Doan

Faculty Mentor, Stacey Doan and Alison Harris

Interdisciplinary Science Scholarship Faculty Advisor/Member

#### 2016-2017

Executive Committee/Appointment, Promotion, & Tenure Committee Interdisciplinary Science Scholarship Committee, ISS Internship Reviewer Career Services Liaison Reviewer for Science Internships Faculty mentor, Stacey Doan and Alison Harris Neuroscience Steering Committee Interdisciplinary Science Scholarship Faculty Advisor/Member

#### 2015-2016

Keck Science Retention, Promotion, and Tenure Committee Interdisciplinary Science Scholarship Committee, ISS Internship Reviewer Career Services Liaison Reviewer for Science Internships Faculty mentor, Stacey Doan and Alison Harris Neuroscience Steering Committee I AM CMC Panelist Technology in the Classroom Panelist Relevance of CMC Education to Careers Panelist Interdisciplinary Science Scholarship Faculty Advisor/Member

#### 2014-2015

Board of Trustees, Academic Affairs

Faculty Research Committee

PSR Committee for Sexual Assault and Title IX

Keck Neuroscience Program Review

Search Committees, Health Psychology

FIS Chair for Jungmo Yoon

Interdisciplinary Science Scholarship Faculty Advisor/Member

Chair, Third Year Review for Alison Harris

Faculty advisor, CMS Swimming Team

Career Services Liaison Reviewer for Science Internships

Faculty mentor, Stacey Doan and Allison Harris

#### 2013-2014

Executive Committee/Appointment, Promotion, & Tenure Committee Interdisciplinary Science Scholarship Faculty Advisor/Member Chair, Third Year Review for Khetan Mhatre Director Review, Kravis Leadership Institute Director Review, Keck Center for International and Strategic Studies Faculty advisor, CMS Swimming team Career Services Liaison Reviewer for Science Internships Faculty mentor, Alison Harris

#### 2012-2013

Executive Committee/Appointment, Promotion, & Tenure Committee Interdisciplinary Science Scholarship Committee

#### 2011-2012

Executive Committee/Appointment, Promotion, & Tenure Committee Administration Committee Search Committee Head, Endowed Chair in Cognitive Neuroscience WASC, Psychology Dept Representative

Interdisciplinary Science Scholarship Faculty Adviser/Member

Faculty participant, December Fest

CMC Web Page Support

### 2010-2011

Chair, Promotion to Associate Professor/Tenure review for Tomoe Kanaya Member, Promotion to Full Professor review for Daniel Krauss Search Committee, Kravis Research Institute Director Search Committee Head, Endowed Chair in Cognitive Neuroscience Interdisciplinary Science Scholarship Advisor/Member Administration Committee

### 2009-2010

Member, Promotion to Full Professor review for Shana Levin Chair, Third-year Review for Tomoe Kanaya Interdisciplinary Science Scholarship Advisor/Member Board of Trustees Academic Affairs Committee Administration Committee Freshman Registration Advisor

### 2008-2009

Lateral Tenure Committee for Jamaica Kincaid

Interdisciplinary Science Scholarship Advisor/Member

FIS Committee for Kenneth Miller

Board of Trustees Academic Affairs Committee

Administration Committee

External Review of Psychology Dept

Chair, tenure review for Wei-Chin Hwang

Space Committee for Psychology

Freshman Registration Advisor

Sakai Workshop (Fall)

Psychology Career materials development

### 2007-2008

FIS Committee for Lee Skinner Development Committee for Joint Sciences Neuroscience Major, CMC CMC Web Page Consultation Workshop on Research Design at the Libraries (Fall & Spring) Sakai Workshop (Beginner-Fall, Advanced, Spring)

### **Claremont McKenna Internal Grants**

- 2018 Berger Institute Research Grant
- 2008-19 Faculty Research Fund Awards (\$5000-\$10,000)
- 2009 Lowe Institute Research Grant

### **University of Denver Internal Grants**

- 2007 Partners in Scholarship Award Ehmer, Wiggs
- 2006 Marsico Summer Research Assistantship Grant: *Timing of Speech and Gesture for Children with Autism* (\$3750)
- 2006 Cooperative Learning Grant (\$2500)
- 2006 Partners in Scholarship Award (2) Reding, Falcone
- 2005 Cooperative Learning Grant (\$2500)
- 2005 International Small Grants (\$700)
- 2005 Professional Research Opportunities for Faculty (PROF) Award (\$15,000)
- 2005 Partners in Scholarship Award (2) Gervais, Aubuchon
- 2004 International Small Grant (\$800)
- 2004 Partners in Scholarship Award Betz

- 2003 Partners in Scholarship Awards (2) Bate, Nyberg
- 2002 Office of Educational Technology Grant (\$5000)
- 2002 Interdivisional Grant with Dr. Corinne Lengsfeld, Engineering (\$8000)
- 2002 International Small Grants (\$1600)
- 2002 Partners in Scholarship Awards (2) Freeman, Davis
- 2001 International Partners in Scholarship Award Miller
- 2001 Partners in Scholarship Awards (4) Bozova, Cory, Ruggles, Kaplan
- 2000 Proposal Preparation Fund (\$2000)
- 2000 Faculty Research Fund (\$3000)
- 2000-02 Sturm Development Fund
- 1997-00 International Small Grants, University of Denver (\$2800)
- 1997 Partners in Scholarship- Heath
- 1996 International Small Grant (\$500)

# Ad Hoc Reviewer for Journals and Grant Organizations:

Neuroscience Journals:

 Cortex; Journal of Autism and Developmental Delays, Journal of Neuroscience; Journal of Cognitive Neuroscience, Experimental Brain Research, Cognitive Brain Research, Neuroscience Letters, Somatosensory & Motor Research, NeuroCase, Brain and Cognition, Journal of Physiology, Journal of Cognitive and Affective Brain Sciences, Proceedings of the National Academy of Science, Journal of Neurophysiology, Cerebral Cortex, Journal of Neuroscience, Chaos; Frontiers Neuroscience; PLoS ONE, NeuroImage, Human Brain Mapping, NeuroReport, Brain Research

Experimental Psychology Journals:

 Frontiers Psychology; Cognitive Psychology, Memory & Cognition, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Human Perception and Performance, Journal of Experimental Psychology: Learning; Memory; and Cognition, Psychological Science, Psychological Bulletin, Visual Cognition, Perception, Psychological Bulletin & Review, Perception & Psychophysics, Cognition, Brain and Behavioural Sciences, Journal of Experimental Child Psychiatry; Transactions of Applied Perception, Psychology of Aging; PNAS

**Reviews for Grant Organizations** 

 National Science Foundation: Human Perception and Performance, National Science Foundation: Experimental Program to Stimulate Competitive Research, Canadian Institute for Research, European Institute for Research, NSERC

# **Professional Affiliations:**

Psychonomic Society, Cognitive Neuroscience Society, Society for Neuroscience, Visual Science Society, Association for Psychological Science

# **Courses Taught**

Controversial Issues in Cognitive Neuroscience (undergraduate, graduate)

Seminar in Cognitive Neuroscience (advanced undergraduate)

Cognitive Neuroscience/Neuropsychology (graduate, undergraduate)

Introduction to Psychology (undergraduate)

Art and Science of Human Action (undergraduate)

Neural Bases of Perception (undergraduate, graduate)

Imaging Cognition (graduate/advanced undergraduate)

Memory and Cognition (graduate)

Developmental Cognitive Neuroscience Practicum: Testing Head-injured Patients (graduate) Bioengineering System Design (co-instructor, undergraduate)

# Graduate Student Research Supervision

Summer Clay	Ph.D. Advisor, 2012-2019
George Park	Ph.D. Advisor, 2008-2018
Danielle Green	Ph.D. Advisor, 2014-2017
Joan Christodoulou	Ph.D. committee, 2014-2016
Khemera Has	Ph.D. committee, 2013-2016
Roxanne Salim	Ph.D. committee, 2013-2016
Amanda Blattman	Ph.D. Advisor, 2011-2013
Eve Isham	Ph.D. committee, 2007-2010
University of Denver:	
Laura Roth	Ph.D. committee, 2006-2008
Betsy App	Ph.D. Advisor, 2005-2010
Eric Moody	Ph.D. committee, 2004-2007
Tedra Fazendiero	Ph.D. committee, 2004-2006
John Garza	Ph.D. Advisor, 2004-2010
Lila Kopelioff	MA Advisor/Committee, 2002- 2004
Danielle Pulham	Ph.D. Advisor, 2003- 2004
Katherine Ginther	Ph.D. Advisor, 2001- 2002
Scott Vice	MA Committee, 2001- 2002
Jamie Ogline	MA & Ph.D. Committees, 2001- 2003
Tom Delaney	Ph.D. Committee, 2001- 2006
Cali Fidopiastis	Ph.D. Advisor, 2000- 2001
Jefferson Grubb	Ph.D. Advisor, 1997- 2004
Julia Wilbarger	Ph.D. Advisor, 1997- 2000
John McGoldrick	Ph.D. Advisor, 1996- 2003
Louisa Bennetto	Ph.D. Committee, 1994-1999
Pablo Antonio Olmos-Gallo	Ph.D. Advisor, 1998
Jodie Simon	Ph.D. Committee, 1997-1998
Jennifer Churchwell	MA Committee, 1997-1999
Mary Pritchard	MA & Ph.D. Committee, 1997- 1999

# Undergraduate Student Research Supervision

Claremont McKenna College:

2019-20	Emily Diamond (2-semester Psychology thesis, Best Psychology thesis award (1-semester)), Jessica Kim (2-semester Neuroscience thesis), Abraham Saikley (2 <sup>nd</sup> reader, Neuroscience thesis), Filipe Sant'Anna (1 semester Psychology thesis), Mitre Athaiya (2 <sup>nd</sup> reader, Neuroscience thesis), Esther Hwang (2 <sup>nd</sup> reader, Neuoscience thesis), Hannah McCarthy Potter, Aditi Chitre, Aditi Garg
2018-19	Adrienne Jo, Abraham Saikley, Anthony Burre, Jessica Kim, Jackson Zeledon, Morgan Berlin (2- semester Neuroscience thesis), Emily Diamond, Hannah McCarthy Potter, Emily Lavine, Kristine Cho; Luke Osterlander; Claire Bacon-Brenes
2017-18	Madison Lodge (2-semester Neuroscience thesis; CMC Neuroscience Best Thesis Award), Adrienne Jo, Audrey Liu (2-semester Psychology honors thesis; CMC Psychology Best Thesis Award), Aleena Young, Autumn Khym, Morgan Berlin, Emilia Hagen (2-semester Neuroscience thesis), Jackson Zeladon, Abraham Saikley, Daniel Lai (2 <sup>nd</sup> reader, 1-semester Neuroscience thesis), Emily Mueller (2 <sup>nd</sup> reader, 2- semester Neuroscience thesis), Emily Diamond, Jessica Kim, Hannah McCarthy Potter, Katrina Strash
2016-17	Madison Lodge, Adrienne Jo, Audrey Liu, Aleena Young, Autumn Khym, Morgan Berlin, Timothy Gallagher, Jackson Zeladon, Ann Cechony (1-semester Neuroscience thesis), Sebastian Luna (2 <sup>nd</sup> reader, 1-semester Neuroscience thesis), Emilia Hagen

2015-16	Daivik Vyas (2-semester Neuroscience thesis; CMC Neuroscience Best Thesis Award); Troy Odo (2-
	semester Honors Psychology/Biology thesis; Best CMC Psychology Thesis Award); Bridget Blum (1-
	semester Psychology thesis); Antonio Sidhom; April Carlson, Madison Lodge, Adrienne Jo, Audrey Liu,
	Aleena Young
2014-15	Vaiddehi Bansal (1-semester Psychology thesis), Song Yu (1-semester Neuroscience thesis), Daivik Vyas,
	Ortal Livvatan, Alex Mendoza, Trov Odo, Aviva Bhansali, Shana Levenson (Neuroscience 2 <sup>nd</sup> thesis

- Ortal Livyatan, Alex Mendoza, Troy Odo, Aviva Bhansali; Shana Levenson (Neuroscience 2<sup>nd</sup> thesis reader); Samuel Donaldson (Neuroscience 2<sup>nd</sup> thesis reader); Laura Gabriel (Neuroscience 2<sup>nd</sup> thesis reader); Antonio Sidhom
- 2013-14 Natasha Parikh (2-semester Harvey Mudd Biology thesis), Jessie Huang (2-semester Honors Psychology thesis), Grant Gaither (1-semester Neuroscience thesis), Niti Nagar, Daivik Vyas, Ortal Livyatan, Natalie Katz, Carley Roberts, Collin Xa, Julia Filo, Shruti Kannon, Alex Mendoza
- 2012-13 Abigail Kramer (2-semester Neuroscience thesis); Jordan Lieberman (2-semester Neuroscience thesis); Stephanie Harley (1-semester Psychology thesis); Alexander Johnson (1-semester Psychology thesis); Elizabeth Friede, Natasha Parikh, Ivan Xa, Collin Xa, Niti Nagar, Grant Gaither, Julia Filo
- 2011-12 Gregory Zahner (2-semester Neuroscience thesis; CMC Neuroscience Best Thesis Award); Rebekka Manzella (2-semester Neuroscience thesis); Christina Boardman (1-semester Neuroscience thesis, 2<sup>nd</sup> reader); Danielle Tucci (1-semester Neuroscience thesis, 2<sup>nd</sup> reader); Kacie Curd (1-semester Psychology thesis); Elizabeth Friede, Natasha Parikh, Ivan Xa, Sumaiya Hashmi, Meghan Heinke, Niti Nagar, Elica Sharifnia, Abigail Kramer, Grant Gaither, Pooja Reddy
- 2010-11 Kathryn Mgrublian (2-semester Psychology thesis); Benjamin Brekke (2-semester Neuroscience thesis; Keck Best Science Thesis Award); Rebekka Manzella; Elizabeth Friede, Sumaiya Hashmi, Yekaterina Vaydylevich, Leah Milne-Wright, Meghan Heinke
- 2009-10 Spencer Kline (2-semester Honors Psychology thesis), Sarah Assaad (2-semester Neuroscience thesis), Manuel Wudke-Robles (2-semester Honors Psychology thesis), Kathryn Mgrublian, Melia Plotkin, Jennifer Ringoen, Danielle Tucci, Rebekka Manzella, Elizabeth Friede, Sumaiya Hashmi
- 2008-09 Krysten Hartman, Michael Strom, Christopher Brigham, Matthew Garber, Heather Marra (2-semester Neuroscience thesis)
- 2007-08 Alexis Schey, Krysten Hartman, Tomislav Zbozinek

University of Denver ("Honors" indicates year-long empirical thesis in Psychology):

2006-07	Greg Ehmer (Honors), Kelly Hock (Honors; co-advisor), Kara Littlejohn, Danny Boatright, Cody Wiggs
2005-06	Peter Reding (Honors), Casey Wieland, Greg Ehmer, Adam Harpold, Viktor
	Zetterholm, Elizabeth Falcone, Shannon Parker, Aaron Wolfe, McKenzie Koch
2004-05	Will Gervais (Honors), Anna Vazquez, Ryan Betz, Nikki Aubuchon, Zoe Selzer,
	Carrie Riorden, Jessica Grabau, Lindsay Kennedy, Mark O'Brien, Carolyn Nystrom,
	Nashwa Bolling, Greg Ehmer,
2003-04	Andy Nyberg (Honors), Stefan Bate (Honors), Cleo Steele, Jennifer Clay,
	Gemma Wallace, Joshua Baker, Ryan Betz, Anna Vazquez, Carolyn Nystrom
2002-03	Cleo Steele, Jennifer Clay, Gemma Wallace,
2001-03	Hani Freeman, Olivia Hernandez
2001-02:	Katherine Davis (Honors), Christopher Cory, Daniel Ruggles, Kylee Miller, Lisa Lasher, Valentina Herrera, Nina Ogasawara
2000-01	Lisa Beckelheimer (Honors), Garrett Hurley, Eric Rodriguez, Esther Nobbe (Visiting Undergraduate
	Researcher from Univ of Tilburg, Netherlands)
1999-2001	Senia Bozova (Honors), Jennifer Mueller (1999-2002)
1998-99	Katherine Ciszewski

- 1997 Joshua Marshall
- 1996-98Ryan Shackelford, Cassandra Casino
- 1996 Heather Woodward (Summer Research Internship)
- 1994-97 Aina Mohamed Radzi, Mohammed Abdulah