

ALISON M. HARRIS, PhD

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RESEARCH INTERESTS

Cognitive neuroscience, event-related potentials (ERP), cognitive psychology

- **Decision making:** Decision neuroscience, neuroeconomics, behavioral economics
- **Visual perception:** Basic visual function, face and body perception, neural adaptation

ACADEMIC APPOINTMENTS

May 2019-	Scott Cook and Signe Ostby P'11 Associate Professor of Psychology & George R. Roberts Fellow <i>Claremont McKenna College, Claremont, CA</i>
July 2012-	Adjunct Professor of Neuroscience <i>W.M. Keck Science Department, Claremont, CA</i>
	Graduate Faculty in Applied Psychology <i>Claremont Graduate University, Claremont, CA</i>
July 2012-April 2019	Assistant Professor of Psychology <i>Claremont McKenna College, Claremont, CA</i>
July 2012-April 2016	Visiting Associate <i>California Institute of Technology, Pasadena, CA</i>
Sept 2009-June 2012	Postdoctoral Scholar in Neuroeconomics <i>California Institute of Technology, Pasadena, CA</i>
Oct 2005-Aug 2009	Postdoctoral Researcher <i>University of Pennsylvania, Philadelphia, PA</i>

EDUCATION

2005	Ph.D. in Psychology <i>Harvard University, Cambridge, MA</i>
2000	S.B. in Brain & Cognitive Sciences <i>Massachusetts Institute of Technology, Cambridge, MA</i>

RESEARCH GRANTS

National Science Foundation (Award# 1923178). "Collaborative Research: Dissociating Perceptual and Motor Correlates of EEG Mu-Alpha and Beta Oscillations in Emotional Action Simulation." \$402,516. Principal Investigator (PI: Harris, A.; Co-PI: Reed, C.L.). 9/1/2019-8/31/2022.

PUBLICATIONS

Articles in Refereed Journals (* Undergraduate or † graduate student co-author, ‡ equal contribution)

Harris, A. (in press). Weighting on waiting: Willpower and attribute weighting models of decision making [Invited peer commentary on “Willpower with and without effort,” by G. Ainslie]. *Behavioral and Brain Sciences*.

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*, 15(1): e0227717.

†Arciniega, H., *Kilgore-Gomez, A., **Harris, A.**, Peterson, D.J., *McBride, J., Fox, E., & Berryhill, M.E. (2019). Visual working memory deficits in undergraduates with a history of mild traumatic brain injury. *Attention, Perception, & Psychophysics*, 81(8): 2597-2603.

*Siqi-Liu, A., **Harris, A.**, Atkinson, A.P., & Reed, C.L. (2018). Dissociable processing of emotional and neutral body movements revealed by μ -alpha and beta rhythms. *Social Cognitive and Affective Neuroscience*, 13(12):1269-1279.

‡**Harris, A.**, ‡Clithero, J.A., & ‡Hutcherson, C.A. (2018) Accounting for taste: A multi-attribute neurocomputational model explains the neural dynamics of choices for self and others. *Journal of Neuroscience*, 38(37):7952-7968.

†Green, D.J., **Harris, A.**, *Young, A., & Reed, C.L. (2018). Embodied valuation: directional action is associated with item values. *Quarterly Journal of Experimental Psychology*, 71(8):1734-1747.

*Luna, S., *Lai, D., & **Harris, A.** (2018). Antagonistic relationship between VEP potentiation and gamma power in visual snow syndrome. *Headache*, 58:138-144.

†Clay, S.N., Clithero, J.A., **Harris, A.M.**, & Reed, C.L. (2017). Loss aversion reflects information accumulation, not bias: A drift-diffusion model study. *Frontiers in Psychology*, 8:1708. doi: 10.3389/fpsyg.2017.01708.

Harris, A., *Vyas, D.B., & Reed, C.L. (2016). Holistic processing for bodies and body parts: New evidence from stereoscopic depth manipulations. *Psychonomic Bulletin & Review*, 23(5): 1513-1519.

Harris, A. & Lim, S.-L. (2016). Temporal dynamics of sensorimotor networks in effort-based cost-benefit valuation: Early emergence and late net value integration. *Journal of Neuroscience*, 36(27): 7167-7183.

Sullivan, N., Hutcherson, C., **Harris, A.**, & Rangel, A. (2015). Dietary self-control is related to the speed with which health and taste attributes are processed. *Psychological Science*, 26(2): 122-134.

Harris, A., Hare, T., & Rangel, A. (2013). Temporally dissociable mechanisms of self-control: Early attentional filtering versus late value modulation. *Journal of Neuroscience*, 33(48):18917-18931.

- This article was the subject of a commentary: Greening, S.G., Lee, T.-H., & Mather, M. (2014). A dual process for the cognitive control of emotional significance: implications for emotion regulation and disorders of emotion. *Frontiers in Human Neuroscience*. April (B 253): 1-2.

- Harris, A., Adolphs, R., Camerer, C., & Rangel, A.** (2011). Dynamic construction of stimulus values in the ventromedial prefrontal cortex. *PLOS ONE*, 6(6): e21074.
- Kahn, D.A., **Harris, A.**, Wolk, D.A., & Aguirre G.K. (2010). Temporally distinct neural coding of perceptual similarity and prototype bias. *Journal of Vision*, 10(10):12.
- Harris, A.** & Aguirre, G.K. (2010). Neural tuning for face wholes and parts in human fusiform gyrus revealed by fMRI adaptation. *Journal of Neurophysiology*, 104(1): 336-345.
- Liu, J., **Harris, A.**, & Kanwisher, N. (2010). Perception of face parts and face configurations: An fMRI study. *Journal of Cognitive Neuroscience*, 22(1): 203-211.
- Harris, A.** & Aguirre, G.K. (2008). The effects of parts, wholes, and familiarity on face-selective responses in MEG. *Journal of Vision*, 8(10):4, 1-12.
- Harris, A.** & Aguirre, G.K. (2008). The representation of parts and wholes in face-selective cortex. *Journal of Cognitive Neuroscience*, 20(5): 863-878.
- Harris, A.** & Nakayama, K. (2008). Rapid adaptation of the M170 response: Importance of face parts. *Cerebral Cortex*, 18: 467-476.
- Harris, A.** & Aguirre, G.K. (2007). Prosopagnosia. *Current Biology*, 17(1): R7-8.
- Harris, A.** & Nakayama, K. (2007). Rapid face-selective adaptation of an early extrastriate component in MEG. *Cerebral Cortex*, 17: 63-70.
- Harris, A.**, Duchaine, B., & Nakayama, K. (2005). Normal and abnormal face selectivity of the M170 response in developmental prosopagnosics. *Neuropsychologia*, 43: 2125-2136.
- Liu, J., **Harris, A.**, & Kanwisher, N. (2002). Stages of processing in face perception: An MEG study. *Nature Neuroscience*, 5(9): 910-916.
- Epstein, R., **Harris, A.**, Stanley, D., & Kanwisher, N. (1999). The parahippocampal place area: Recognition, navigation, or encoding? *Neuron*, 23: 115-125.
- Kanwisher, N., Stanley, D., & **Harris, A.** (1999). The fusiform face area is selective for faces not animals. *Neuroreport*, 10:183-187.

Other Publications

- Sullivan, N., Hutcherson, C., **Harris, A.**, & Rangel, A. (2019). A response to Zhang et al. (2018), “Can mouse-tracking reveal attribute processing speeds in dietary self-control? Commentary on Sullivan et al. (2015) and Lim et al. (2018).” bioRxiv 572974 [Preprint]. Available from: <https://doi.org/10.1101/572974> .
- Harris, A.** (2009). Magnetoencephalography. In Bruce Goldstein (Ed.), *The Sage Encyclopedia of Perception*.

MANUSCRIPTS IN PREPARATION

- Harris, A.** & Hutcherson, C. Temporal dynamics and computational models of decision making.

Harris, A. & *Young, A. Differential time and frequency dynamics of directed attention in stimulus attribute weighting.

Harris, A., Frydman, C., & Chang, T. Temporal dynamics of optimal versus suboptimal decision-making in a financial trading scenario.

†Clay, S.N., **Harris, A.**, & Reed, C.L. Loss aversion affects inhibitory processes for reward and loss as indicated by inhibition of return.

Harris, A., *Jo, A., *Lodge, M., & Reed, C.L. Segmentation of the human body: How does the visual system define body parts?

INVITED TALKS AND WORKSHOPS

Harris, A. Accounting for taste: Neural correlates of choosing for oneself vs. others. Symposium on Neuroeconomics. Pomona College, Claremont, CA. March 8, 2019.

Harris, A. Accounting for taste: Temporal dynamics of decision-making for oneself vs. others. Keck Neuroscience Program Research Symposium. Claremont, CA. September 24, 2016.

Harris, A. Discussant: “Testing salience theory of risky choice using eye-tracking data.” Southern California Finance Conference. Claremont, CA. September 25, 2015.

Harris, A. Neural dynamics of financial decision-making: The disposition effect. Claremont Graduate University, Claremont, CA. October 24, 2014.

Harris, A. Event-related brain dynamics of value and cognitive control. Young Researcher Pre-Conference Workshop, Meeting of the Society for the Advancement of Behavioral Economics, Lake Tahoe, NV. July 21, 2013.

Harris, A. Cognitive neuroscience methods. Young Researcher Pre-Conference Workshop, Meeting of the Society for the Advancement of Behavioral Economics, Lake Tahoe, NV. July 21, 2013.

Harris, A. Event-related brain dynamics of value and self-control. University of California-Riverside, Riverside, CA. December 4, 2013.

Harris, A. Event-related brain dynamics of value and self-control. University of Nevada-Reno, Reno, NV. October 18, 2013.

Harris, A. Basics of event-related potentials. University of Nevada-Reno, Reno, NV. October 18, 2013.

Harris, A. Event-related brain dynamics of value and self-control. Claremont Graduate University, Claremont, CA. October 5, 2012.

Harris, A. Face-selective responses in MEG & fMRI represent both parts and wholes. “Words and Faces: An International Workshop on Cognitive Neuroscience in Honour of Professor Ryoji Suzuki,” Macquarie University, Sydney, Australia. September 13-14, 2007.

Harris, A. Comparing fMRI & MEG markers of face perception. International Conference on Biomagnetism, Boston, MA. August 8-12, 2004.

CONFERENCE PRESENTATIONS

- Harris, A. & Reed, C.L. Differential sensorimotor mu suppression to observation of emotional and affectively neutral body movements. Poster presented at the Virtual Meeting of the Society for Psychophysiological Research. October 4-11, 2020.
- Harris, A. & *Maramica, N. Differential neural activity associated with performance monitoring in a financial trading task. Poster presented at the Virtual Meeting of the Society for Neuroeconomics. October 7-9, 2020.
- Harris, A. & Reed, C.L. Doing vs. viewing: Common neural correlates of motor execution and body movement perception in EEG. Poster presented at the Virtual Meeting of the Vision Sciences Society. June 19-24, 2020.
- Siqi-Liu, A., Harris, A., Atkinson, A.P., & Reed, C.L. Dissociable processing of emotional and neutral body movements revealed by μ -alpha and beta rhythms: Evidence from EEG. Poster presented at the 26nd Meeting of the Cognitive Neuroscience Society, San Francisco, CA. March 23-26, 2019.
- Liu, A., Harris, A., & Reed, C.L. Understanding you through me: Neural simulation of others' emotional body language. Poster presented at the Psychonomic Society Annual Meeting, New Orleans, LA. November 15-18, 2018.
- Harris, A. & Young, A. Time and frequency dynamics of directed attention in stimulus attribute weighting. Talk presented at the Meeting of the Society for Neuroeconomics, Philadelphia, PA. October 5-7, 2018.
- Harris, A. & Young, A. Time and frequency dynamics of directed attention in stimulus attribute weighting. Talk presented at the Interdisciplinary Symposium on Decision Neuroscience, Ann Arbor, MI. June 1-2, 2018.
- Harris, A., Jo, A., Lodge, M., Zeledon, J., Saikley, A., & Reed, C.L. Segmentation of the human body: How does the visual system define body parts? Poster presented at the Meeting of the Association for Psychological Science, San Francisco, CA. May 2018.
- Young, A., Hughson, L., Green, D., Harris, A., Doan, S., Hughson, E., & Reed, C.L. Perceived relative social status and cognitive load influence acceptance of unfair offers in the Ultimatum Game. Poster presented at the Meeting of the Association for Psychological Science, San Francisco, CA. May 2018.
- Harris, A. & Young, A. Effects of directed attention on stimulus attribute weighting: An ERP study. Poster presented at the Meeting of the Cognitive Neuroscience Society, Boston, MA. March 24-27, 2018.
- Green, D.J., Harris, A., Young A, Reed CL. Embodied valuation: Directional action is associated with item values. Poster presented at the Meeting of the Psychonomic Society, Vancouver, Canada. November 9-12, 2017.
- Harris, A. & Young, A. Effects of directed attention on stimulus attribute weighting: An ERP study. Poster presented at the Meeting of the Society for Neuroeconomics, Toronto, Canada. October 6-8, 2017.

- Clithero, J., Harris, A., & Hutcherson, C. Accounting for taste: A multi-attribute neurocomputational model explains divergent choices for self and others. Talk presented at the Meeting of the Society for Neuroeconomics, Toronto, Canada. October 6-8, 2017.
- Harris, A., Clithero, J.A., & Hutcherson, C.A. Accounting for taste: A multi-attribute neurocomputational model explains divergent choices for self and others. Talk presented at the Meeting of the Social and Affective Neuroscience Society, Los Angeles, CA. March 16-18, 2017.
- Clay, S.N., Clithero, J.A., Harris, A.M., & Reed, C.L. Loss aversion reflects information processing, not bias: A drift diffusion model study. Poster presented at the Meeting of the Psychonomic Society, Boston, MA. November 17-20, 2016.
- Harris, A. & Hutcherson, C. Temporal dynamics of decision-making for oneself versus others. Poster presented at the Meeting of the Society for Neuroscience, San Diego, CA. November 12-16, 2016.
- Clay, S.N., Harris, A.M., Green, D.J., & Reed, C.L. Loss aversion is related to inhibitory processes for reward & loss: An IOR study. Poster presented at the Meeting of the Vision Sciences Society, St. Pete Beach, FL. May 13-18, 2016.
- Reed, C.L., Vyas, D., & Harris, A. Holistic processing of body postures. Poster presented at the Meeting of the Vision Sciences Society, St. Pete Beach, FL. May 15-20, 2015.
- Harris, A., Hutcherson, C., & Rangel, A. Accounting for taste: Temporal dynamics of decision-making for oneself vs. others. Poster presented at the Meeting of the Cognitive Neuroscience Society, San Francisco, CA. March 28-31, 2015.
- Harris, A., Frydman, C., & Chang, T. Neural dynamics of decision-making in a financial trading task. Poster presented at the Meeting of the Society for Neuroeconomics, Miami, FL. September 26-28, 2014.
- Harris, A., Frydman, C., & Chang, T. Neural dynamics of decision-making in a financial trading task. Poster presented at the Meeting of the Cognitive Neuroscience Society, Boston, MA. April 5-8, 2014.
- Kelly, K., Moher, J., Harris, A., & Song, J.-H. Sensorimotor dynamics of food choices revealed by reaching. Poster presented at the Meeting of the Cognitive Neuroscience Society, Boston, MA. April 5-8, 2014.
- Colas, J.T., Harris, A.M., & Rangel, A. Effector-specific and effector-independent neural computations underlying value-based decision making. Poster presented at the Meeting of the Society for Neuroscience, San Diego, CA. November 9-13, 2013.
- Harris, A., Lim, S.-L., & Rangel, A. Temporal dynamics of neural computations for stimulus value and effort cost. Poster presented at the Meeting of the Cognitive Neuroscience Society, San Francisco, CA. April 13-16, 2013.
- Sullivan, N., Hutcherson, C., Harris, A., & Rangel, A. Using computer mouse movements to parse the temporal dynamics of value-based choices. Poster presented at the Meeting of the Society for Neuroeconomics, Miami, FL. September 28-30, 2012.

- Harris, A., Hare, T., & Rangel, A. The temporal dynamics of value computations in decisions involving self-control. Talk presented at the Meeting of the Society for Neuroeconomics, September 30-October 2, 2011.
- Harris, A., Adolphs, R., Camerer, C., & Rangel, A. The dynamics of stimulus valuation in ventromedial prefrontal cortex. Poster presented at the Meeting of the Society for Neuroscience, San Diego, CA. November 13-17, 2010.
- Harris, A., Adolphs, R., Camerer, C., & Rangel, A. The time course of value computations at the time of decision making. Poster presented at the Meeting of the Society for Neuroeconomics, Evanston, IL. October 15-17, 2010.
- Harris, A. & Aguirre, G.K. Flexible neural tuning for parts and wholes in human fusiform cortex. Talk presented at the Meeting of the Society for Neuroscience, Washington, DC. November 15-19, 2008.
- Harris, A. & Aguirre, G.K. The effects of parts, wholes, and familiarity on face-selective responses in MEG. Talk presented at the Meeting of the Vision Sciences Society, Naples, FL. May 9-14, 2008.
- Harris, A. & Aguirre, G.K. Familiarity modulates holistic processing in the Fusiform Face Area. Talk presented at the Meeting of the Vision Sciences Society, Sarasota, FL. May 11-16, 2007.
- Harris, A. & Nakayama, K. Face-selective adaptation of the M170 is sensitive to face parts, not face configuration. Talk presented at the Meeting of the Vision Sciences Society, Sarasota, FL. May 5-10, 2006.
- Harris, A. & Nakayama, K. Face-selective “double-pulse” adaptation of the M170 response. Poster presented at the Meeting of the Vision Sciences Society, Sarasota, FL. May 6-11, 2005.

MEDIA OUTLETS

- Bergman, A. (2020). Four faculty celebrate major grants this year. *CMC Currents*. [WWW page]. URL: <https://www.cmc.edu/news/major-psychology-grants-awarded>
- APS Observer. (2015). Processing speed helps determine whether we choose carrots over chocolates [WWW page]. URL: <http://www.psychologicalscience.org/index.php/publications/observer/obsonline/processing-speed-helps-determine-whether-we-choose-carrots-over-chocolates.html>
- Wray, H. (2014). Apple or ice cream? The mechanics of a healthy choice [WWW page]. URL: <http://www.psychologicalscience.org/index.php/news/were-only-human/apple-or-ice-cream-the-mechanics-of-a-healthy-choice.html>
- Harris, A.M. & Aguirre, G.K. (2007) Toward a Neurofunctional Definition of “Face-Blindness.” *Scientific American Mind Matters*. [WWW page]. URL: <https://blogs.scientificamerican.com/news-blog/when-every-face-is-like-another/>

HONORS & AWARDS

Harvard University Certificate of Distinction in Teaching. 2002, 2003.
National Science Foundation Graduate Student Fellowship. 2000-2003.
Barry M. Goldwater Scholarship. 1999.

COURSES TAUGHT

Introduction to Psychology (PSYC 30)
Sensation & Perception (PSYC 97)
Neuroeconomics (PSYC/ECON 107)

PROFESSIONAL SERVICE AND AFFILIATIONS

Service to the Department and College

- 2020-2021** Chair, Academic Computing Committee
Student Recruitment Committee
Interdisciplinary Science Scholarship Committee
Freshman Academic Advisor
Field Investigation Subcommittee (FIS)
Psychology Study Pool Coordinator (Spring 2021)
- 2019-2020** Chair, Academic Computing Committee
Panelist, CMC Summit on Teaching and Technology
- 2018-2019** Chair, Academic Computing Committee
Administration Committee (Spring 2019)
Student Recruitment Committee
Interdisciplinary Science Scholarship Committee
Faculty Sponsor, Psychology Club and Psi Chi
Freshman Academic Advisor
- 2017-2018** Academic Computing Committee
Student Recruitment Committee
Interdisciplinary Science Scholarship Committee
Faculty Participant, DecemberFest
Faculty Sponsor, Psychology Club and Psi Chi
Faculty Organizer, 5C Undergraduate Research in Psychology Symposium
Freshman Academic Advisor
- 2016-2017** Athenaeum Advisory Committee
Student Recruitment Committee
Interdisciplinary Science Scholarship Committee
Faculty Participant, DecemberFest
Evaluator, Best Senior Thesis in Psychology
- 2014-2015** Student Recruitment Committee
Off-Campus Study Committee
Interdisciplinary Science Scholarship Committee
Search Committee, Cognitive Psychology Open-Rank Professor
Faculty Sponsor, Psychology Club and Psi Chi
Panelist, Parents Orientation Q&A
External Review of Neuroscience Major (Keck Science)
Psychology Department Self-Assessment

2013-2014 Student Recruitment Committee
Psychology Department Self-Assessment
Panelist, Presidential Round Table
Freshman Registration Advisor
Panelist, Parents Orientation Q&A
Faculty Participant, DecemberFest
Panelist, Claremont-Wide New Faculty Workshop
Freshman Academic Advisor

Professional Service

Ad hoc reviewer for journals including: *Action, Perception & Psychophysics; Cerebral Cortex; Cognitive, Affective, & Behavioral Neuroscience; Emotion; European Journal of Neuroscience; Journal of the Academy of Marketing Science; Journal of Neuroscience; Neuropsychologia; PLOS ONE; Psychophysiology; Social Cognitive and Affective Neuroscience*

Professional Affiliations

Social and Affective Neuroscience Society, Society for Cognitive Neuroscience, Society for Neuroeconomics, Society for Neuroscience, Vision Sciences Society

UNDERGRADUATE STUDENT RESEARCH SUPERVISION

- 2020-2021** Madeline Valdez (2-semester Neuroscience thesis); Chandler Denaro (2-semester Neuroscience thesis, 2nd reader); Caroline Strang (2-semester Psychology thesis, Scripps College, 2nd reader); Jessica Lee (1-semester Psychology thesis); Anisha Advani (1-semester Neuroscience thesis); Nicolas Maramica
- 2019-2020** Jessica Kim (2-semester Neuroscience thesis, 2nd reader); Felipe Sant'Anna (1-semester Neuroscience thesis, 2nd reader); Annie Cave; Cattarina Chase; Tierney Hall; Joanna Hwang; Truman Knowles; Shania Sharma; Caroline Strang
- 2018-2019** Graham Spurrier (2-semester Psychology thesis); Nina Rathi (1-semester Neuroscience thesis); Sana Sra (1-semester Psychology thesis, Scripps College, 2nd reader); Ethan Tom (1-semester Psychology thesis); Jacob Cohen; Jessica Kim
- 2017-2018** Yifan (Elva) Fu (2-semester Psychology thesis); Emilia Hagen (2-semester Neuroscience thesis, 2nd reader); Emily Joyce (2-semester Neuroscience thesis, 2nd reader); Daniel Lai (1-semester Neuroscience thesis); Siqi (Audrey) Liu (2-semester Psychology thesis, *2018 Best Thesis in Psychology*); Jacob Cohen; Jessica Kim; Nina Rathi; Felipe Sant'Anna; Aleena Young; Kaitlyn Zeichick
- 2016-2017** Darius Bieganski (1-semester Psychology thesis); Saharai Cante (1-semester Neuroscience thesis, 2nd reader); Larissa Chern (1-semester Psychology thesis); Sebastian Luna (1-semester Neuroscience thesis); Ajlina Basic; Siqi (Audrey) Liu; Nina Rathi; Aleena Young
- 2014-2015** Samuel Dunham (2-semester Neuroscience thesis); Iris Lieuw (2-semester Neuroscience thesis); Kelly Chan (1-semester Psychology thesis); Megan Coleman (1-semester Psychology thesis); April Carlson; Saharai Cante; Sharon Chiang; Elizabeth Krawczak; Carol Lam; Huakai Liao; Siqi (Audrey) Liu; Lester Yeh
- 2013-2014** Sibinee Jokela (2-semester Psychology thesis); April Carlson; Kelly Chan; Megan Coleman; Samuel Dunham; Elizabeth Krawczak; Carol Lam; Iris Lieuw; Alexander Mendoza; John Tuddenham

GRADUATE STUDENT RESEARCH SUPERVISION

Hector Arciniega (Ph.D. committee, 2018-2020)
Khemara Has (Ph.D. advisor, 2013-2016)
Summer Clay (Ph.D. committee, 2013-2018)
Danielle Green (MA committee, 2014-2017)
Ji Yong Park (Economics Ph.D. committee, 2015-2016)