Emily S. Kappenman

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Curriculum Vitae
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Department of Psychology
San Diego State University
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EDUCATION

Ph.D. 2012 University of California, Davis, Psychology
Advisor: Steven J. Luck

M.A. 2008 University of California, Davis, Psychology
Advisor: Steven J. Luck

B.S. 2005 Indiana University, Bloomington, Psychology, with Honors
Advisors: William P. Hetrick & John K. Kruschke

PROFESSIONAL APPOINTMENTS

2016- Assistant Professor, Department of Psychology, San Diego State University

2014-2016 Co-Director, ASPIRE Undergraduate Research Program, University of California, Davis

2014-2016 Assistant Project Scientist, University of California, Davis, Center for Mind & Brain

2012-2014 Postdoctoral Scholar, University of California, Davis, Center for Mind & Brain

AWARDS AND HONORS

2022 Award for Distinguished Early Career Contribution to Psychophysiology, Society for Psychophysiological Research

2016 Chancellor's Award for Excellence in Mentoring Undergraduate Research

2015 NARSAD Young Investigator Award

2011	Research Training Fellowship Award, Society for Psychophysiological Research, $3250
2011	Social Sciences Dean's Doctoral Fellowship for Excellence Award, $1000
2006-2009	National Science Foundation Graduate Research Fellowship
2005-2006	Learning Science Institute Graduate Fellowship, Vanderbilt University
2005	J.R. Kantor Award for Most Outstanding Graduating Psychology Major, Indiana University, Bloomington
2002-2005	Science, Technology, & Research Scholars (STARS) Program, Indiana University, Bloomington
2003	Howard Hughes Medical Institute Capstone Award, $3000
2003	Honors College Research Grant, $1750
2003	Undergraduate Research & Creative Activity Partnership Award, $1500
2002	National Science Foundation Research Experience for Undergraduates Program, Kent State University
2002	President's Summer Research Initiative, Indiana University, Bloomington

GRANTS

2019-2023	National Institutes of Mental Health (R25 MH080794) Yearly Workshop in the Event-Related Potential Technique Role: Principal Investigator (joint PIs with Steve Luck) Total Direct Costs: $833,853
2018-2020	Industry (sponsor and content protected under NDA) Role: Principal Investigator Total Costs: $271,651
2018-2020	National Institute of Child Health and Human Development (R21 HD095490) Neural Correlates and Behavioral Indicators of Optimism in Early Childhood: Implications for Resiliency and Mental Health Role: Consultant Total Direct Costs: $275,000
2016-2019	National Science Foundation (DUE 1625521) Collaborative Proposal: Preparing Undergraduates for Research in STEM-related fields Using Electrophysiology (PURSUE)

Role: Consultant (PIs: Cindy Bukach, Catherine Reed, & Jane Couperus)
Total costs: $600,000

2016-2019 Brain & Behavior Research Foundation NARSAD Young Investigator Grant
Toward the Use of Transcranial Direct Current Stimulation (tDCS) as a Treatment in Anxiety
Role: Principal Investigator
Total costs: $63,726

2015-2018 Laura and John Arnold Foundation and Center for Open Science
Reproducibility Project: Transcranial Direct Current Stimulation
Role: Principal Investigator
Total costs: $77,310

2015-2016 National Institute of Mental Health (R01 MH098454-S1)
A Randomized Control Trial of PCIT-ED for Preschool Depression
Role: Consultant (PIs: Deanna Barch & Joan Luby)
Total costs: $375,990

2013-2015 National Institute of Mental Health (R03 MH098119)
Anxiety and Attention: Electrophysiological Measurement of Enhancement and Suppression
Role: Co-Investigator (PI: Steve Luck)
Total costs: $76,750

PUBLICATIONS
See Google Scholar listing at https://scholar.google.com/citations?user=PScsj6AAAAAJ
+ = Mentored student

Manuscripts in Progress

Kappenman, E. S. (to be submitted Fall 2022). Early Career Award: The role of ERPs in psychological science: Past, present, and future. *Psychophysiology*.

+Zhang, W. & **Kappenman, E. S.** (to be submitted August 2022). Which electrode sites maximize statistical power for the N170, MMN, N2pc, N400, P3, LRP, and ERN? *Psychophysiology*.

+Kumar, A. V., +Zhang, W., & **Kappenman, E. S.** (in preparation). Induced anxiety modulates physiological processes but not the allocation of attention to threatening stimuli. To be submitted to *Social, Cognitive, Affective Neuroscience.*

+Osborne, K. J., +Zhang, W., Gupta, T., Farrens, J., Geiger, M., Kraus, B., Krugel, C., Nusslock, R., **Kappenman, E. S.**, & Mittal, V. A. (under review). Journal of Psychopathology and Clinical Science (formerly the Journal of Abnormal Psychology).

Šoškić, A., Styles, S. J., **Kappenman, E. S.**, & Kovic, V. (under review). Garden of forking paths in ERP research – effects of varying pre-processing and analysis steps in an N400 experiment. Perspective on Psychological Science. [preprint available https://psyarxiv.com/8rjah/].

Books

Luck, S. J. & **Kappenman, E. S.** (Eds.) (2012). *The Oxford handbook of event-related potential components*. New York, NY: Oxford University Press.

Journal Articles

Keil, A., Bernat, E., Cohen, M. X., Ding, M., Fabiani, M., Gratton, G., Hermes, D., **Kappenman, E. S.**, Maris, E., Mathewson, K., Ward, R., & Weisz, N. (2022). Recommendations and publication guidelines for studies using frequency-domain and time-frequency-domain analyses of neural time series. *Psychophysiology, 59*, e14052. https://doi.org/10.1111/psyp.14052

+Osborne, K. J., +Zhang, W., Geiger, M., Farrens, J., Kraus, B., Glazer, J., Nusslock, R., **Kappenman, E. S.**, & Mittal, V.A (2022). Neural mechanisms of motor dysfunction in individuals at clinical high-risk for psychosis: Evidence for impairments in motor activation. *Journal of Psychopathology and Clinical Science (formerly the Journal of Abnormal Psychology), 131*, 375-391. https://doi.org/10.1037/abn0000754

Šoškić, A., Jovanović, V., Styles, S. J., **Kappenman, E. S.**, & Kovic, V. (2021). How to do better N400 studies: reproducibility, consistency and adherence to research standards in the existing literature. *Neuropsychology Review,* 10.1007/s11065-021-09513-4.

Clayson, P. E., **Kappenman, E. S.**, Gehring, W. J., Miller, G. A., & Larson, M. J. (2021). A commentary on establishing norms for error-related brain activity during the arrow flanker task among young adults. *NeuroImage, 234*, 117932.

Luking, K. R., Gilbert, K., Kelly, D., **Kappenman, E. S.**, Hajcak, G., Luby, J. L., & Barch, D. M. (2021). The relationship between depression symptoms and adolescent neural response during reward anticipation and outcome depends on developmental timing: Evidence from a longitudinal study. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 6*, 527-535.

Kappenman, E. S., Farrens, J. L., +Zhang, W., Stewart, A. X., & Luck, S. J. (2021). ERP CORE: An open resource for human event-related potential research. *NeuroImage, 225*, 117465.

Kappenman, E. S., +Geddert, R., Farrens, J. L., McDonald, J. J., & Hajcak, G. (2021). Recoiling from threat: Anxiety is related to heightened suppression of threat, not increased attention to threat. *Clinical Psychological Science, 9*, 434-448.

Barch, D. M., Whalen, D., Gilbert, K., Kelly, D., **Kappenman, E. S.**, Hajcak, G., & Luby, J. L. (2020). Neural indicators of anhedonia: Predictors and mechanisms of treatment change in a randomized clinical trial in early childhood depression. *Biological Psychiatry, 88*, 879-887.

Luck, S. J. and **Kappenman, E. S.** (2020). Resources to assist EEG/ERP researchers during the COVID-19 pandemic. *Psychophysiology, 57*, e13659.

Whalen, D. J., Gilbert, K.E., Kelly, D., Hajcak, G., **Kappenman, E. S.**, Luby, J. L., & Barch, D. M. (2020). Early childhood onset major depressive disorder is characterized by electrocortical deficits in processing pleasant emotional pictures. *Journal of Abnormal Child Psychology, 48*, 91-108.

Farrens, J. L, Simmons, A. M, Luck, S. J, **Kappenman, E. S.** (2019). Electroencephalogram (EEG) Recording Protocol for Cognitive and Affective Human Neuroscience Research. *Nature Protocol Exchange*. DOI: 10.21203/rs.2.18328/v1.

Rappaport, B. I., Hennefield, L., Kujawa, A., Arfer, K. B., Kelly, D., **Kappenman, E. S.**, Luby, J. L. & Barch, D. M. (2019). Peer victimization and dysfunctional reward processing: ERP and behavioral responses to social and monetary rewards. *Frontiers in Behavioral Neuroscience*. DOI: 10.3389/fnbeh.2019.00120

Gebodh, N., Esmaeilpour, Z., Adair, D., Chelette, K., Dmochowski, J., Woods, A. J., **Kappenman, E. S.**, Parra, L. C., Bikson, M. (2019). Inherent physiological artifacts in EEG during tDCS. *NeuroImage, 185*, 408-424.

Boudewyn, M. A., Luck, S. J., Farrens, J., & **Kappenman, E. S.** (2018). How many trials does it take to get a significant ERP effect? It depends. *Psychophysiology, 55*, e10349.

Bikson, M., Brunoni, A. R., Charvet, L. E., Clark, V. P., Cohen, L. G., Deng, Z-D., Dmochowski, J., Edwards, D. J., Frohlich, F., **Kappenman, E. S.**, Lim, K. O., Loo, C., Mantovani, A., McMullen, D. P., Parra, L. C., Pearson, M., Richardson, J. D., Rumsey, J. M., Sehatpour, P., Sommers, D., Unal, G., Wassermann, E. M., Woods, A. J., Lisanby, S. H. (2018). Rigor and reproducibility in research with transcranial electrical stimulation: An NIMH-sponsored workshop. *Brain Stimulation, 11*, 465-480.

Erickson, M., **Kappenman, E. S.,** & Luck, S. J. (2018). High temporal resolution measurement of cognitive and affective processes in psychopathology: What EEG and MEG can tell us about mental illness. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 3*, 4-6.

Kappenman, E. S. & Keil, A. (2017). Introduction to the special issue on *Re-centering science: Replication, Robustness, and Reproducibility in Psychophysiology*. *Psychophysiology, 54*, 3-5.

Thigpen, N., **Kappenman, E. S.**, & Keil, A. (2017). How reproducible is the event-related potential? Effects of signal-to-noise and measurement technique on internal consistency and effect size. *Psychophysiology, 54*, 123-138.

Giordano, J., Bikson, M., **Kappenman, E. S.**, Clark, V. P., Coslett, B., Hamblin, M. R., Hamilton, R., Jankord, R., Kozumbo, W. J., McKinley, A., Nitsche, M. A., Reilly, J. P., Richardson, J., Wurzman, R., & Calabrese, E. (2017). Mechanisms and Effects of Transcranial Direct Current Stimulation. *Dose Response, 15*, 1-22.

Belden, A., Irvin, K., Hajcak, G., **Kappenman, E.S.**, Kelly, D., Karlow, S., Luby, J., & Barch, D. (2016). Neural correlates of reward processing in depressed and healthy young children. *Journal of the American Academy of Child and Adolescent Psychiatry,* 55, 1081-1089.

Kappenman, E. S. & Luck, S. J. (2016). Best practices for event-related potential research in clinical populations. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 1*, 110-115.

Woods, A. J., Antal, A., Bikson, M., Boggio, P. S., Brunoni, A. R., Celnik, P., Cohen, L. G., Fregni, F., Hermann, C. S., **Kappenman, E. S.**, Knotkova, H., Liebetanz, D., Miniussi, C., Miranda, P. C., Paulus, W., Priori, A., Reato, D., Stagg, C., Wenderoth, N., & Nitsche, M. A. (2016). A technical guide to tDCS, and related non-invasive brain stimulation tools. *Clinical Neurophysiology, 127*, 1031-1048.

Kappenman, E. S., Luck, S. J., Kring, A. M., Lesh, T. A., Mangun, G. R., Niendam, T., Ragland, J. D., Ranganath, C., Solomon, M., Swaab, T. Y., & Carter, C. S. (2016). Electrophysiological evidence for impaired control of motor output in schizophrenia. *Cerebral Cortex, 26*, 1891-1899.

Strauss, G. P., **Kappenman, E. S.**, Culbreth, A. J., Catalano, L. T., Lee, B. G., & Gold, J. M. (2015). Emotion regulation abnormalities in schizophrenia: Directed attention strategies fail to decrease the neurophysiological response to unpleasant stimuli. *Journal of Abnormal Psychology, 124*, 288-301.

Kappenman, E. S., MacNamara, A., & Hajcak Proudfit, G. (2015). Electrocortical evidence for rapid allocation of attention to threat in the dot-probe task. *Social, Cognitive & Affective Neuroscience, 10*, 577-583.

Kappenman, E. S., Farrens, J. L., Luck, S. J., & Hajcak Proudfit, G. (2014). Behavioral and ERP measures of attentional bias to threat in the dot-probe task: Poor reliability and lack of correlation with anxiety. *Frontiers in Psychology, 5*, 1368.

Bikson, M., Edwards, D., & **Kappenman, E. S.** (2014). The outlook for non-invasive electrical brain stimulation [Letter to the editor]. *Brain Stimulation, 7*, 771-772.

Keil, A., Debener, S., Gratton, G., Junghofer, M., **Kappenman, E. S.**, Luck, S. J., Luu, P., Miller, G. A., & Yee Bradbury, C. M. (2014). Committee report: Publication guidelines and

recommendations for studies using electroencephalography and magnetoencephalography. *Psychophysiology, 51*, 1-21.

Strauss, G. P., **Kappenman, E. S.**, Culbreth, A. J., Catalano, L. T., Lee, B. G., & Gold, J. M. (2013). Emotion regulation abnormalities in schizophrenia: Cognitive change strategies fail to decrease the neural response to unpleasant stimuli. *Schizophrenia Bulletin, 39*, 872-883.

Leonard, C. J., Kaiser, S. T., Robinson, B. M., **Kappenman, E. S.**, Hahn, B., Gold, J. M., & Luck, S. J. (2013). Toward the neural mechanisms of reduced working memory capacity in schizophrenia. *Cerebral Cortex, 23*, 1582-1592.

Hahn, B., Hollingworth, A., Robinson, B. M., Kaiser, S. T., Leonard, C. J., Beck, V. M., **Kappenman, E. S.**, Luck, S. J., & Gold, J. M. (2012). Control of working memory content in schizophrenia. *Schizophrenia Research, 134*, 70-75.

Kappenman, E. S., Kaiser, S., Robinson, B., Morris, S., Hahn, B., Beck, V., Leonard, C., Gold, J., & Luck, S. J. (2012). Response activation impairments in schizophrenia: Evidence from the lateralized readiness potential. *Psychophysiology, 49*, 73-84.

Kappenman, E. S. & Luck, S. J. (2012). Manipulation of orthogonal neural systems together in electrophysiological recordings: The MONSTER approach to simultaneous assessment of multiple neurocognitive processes. *Schizophrenia Bulletin, 38*, 92-102.

Hahn, B., **Kappenman, E. S.**, Robinson, B. M., Fuller, R. L., Luck, S. J., & Gold, J. M. (2011). Iconic decay in schizophrenia. *Schizophrenia Bulletin, 37*, 950-957.

Hahn, B., Robinson, B. M., Kaiser, S. T., Harvey, A. N., Beck, V. M., Leonard, C. J., **Kappenman, E. S.**, Luck, S. J., & Gold, J. M. (2010). Failure of schizophrenia patients to overcome salient distractors during working memory encoding. *Biological Psychiatry, 68*, 603-609.

Gold, J. M., Hahn, B., Zhang, W., Robinson, B. M., **Kappenman, E. S.**, Beck, V. M., & Luck, S. J. (2010). Reduced capacity but spared precision and maintenance of working memory representations in schizophrenia. *Archives of General Psychiatry, 67*, 570-577.

Kappenman, E. S., & Luck, S. J. (2010). The effects of electrode impedance on data quality and statistical significance in ERP recordings. *Psychophysiology, 47*, 888-904.

Luck, S. J., **Kappenman, E. S.**, Fuller, R. L., Robinson, B., Summerfelt, A., & Gold, J. M. (2009). Impaired response selection in schizophrenia: Evidence from the P3 wave and the lateralized readiness potential. *Psychophysiology, 46*, 776-786.

Kieffaber, P. D., **Kappenman, E. S.**, O'Donnell, B. F., Shekhar, A., Bodkins, M., & Hetrick, W. P. (2006). Shifting and maintenance of task set in schizophrenia. *Schizophrenia Research, 84*, 345-358.

Kruschke, J. K., **Kappenman, E. S.**, & Hetrick, W. P. (2005). Eye gaze and individual differences consistent with learned attention in associative blocking and highlighting. *Journal of Experimental Psychology: Learning, Memory and Cognition, 31*, 830-845.

Book Chapters

Luck, S. J. & **Kappenman, E. S.** (2017). Electroencephalography and event-related brain potentials. In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson (Eds.), *Handbook of Psychophysiology* (4th ed). New York, NY: Cambridge University Press.

MacNamara, A., **Kappenman, E. S.**, Black, S. R., Bress, J. N., & Hajcak, G. (2013). Integrating behavioral and electrocortical measures of attentional bias toward threat. In K. C. Barrett, N. A. Fox, G. A. Morgan, D. J. Fidler & L. A. Daunhauer (Eds.), *Handbook of self-regulatory processes in development: New directions and international perspectives* (pp. 215-243). New York, NY: Psychology Press.

Kappenman, E. S., & Luck, S. J. (2012). ERP components: The ups and downs of brainwave recordings. In S. J. Luck & E. S. Kappenman (Eds.), *The Oxford handbook of event-related potential components* (pp. 3–30). New York, NY: Oxford University Press.

Luck, S. J., & **Kappenman, E. S.** (2012). ERP components and selective attention. In S. J. Luck & E. S. Kappenman (Eds.), *The Oxford handbook of event-related potential components* (pp. 295–327). New York, NY: Oxford University Press.

PROFESSIONAL PRESENTATIONS

Workshop Teaching and Organization

2022	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2021	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop, San Diego, California
2020	Instructor, Virtual ERP Boot Camp Webinar, ERP CORE: An Open Resource for Human Event-Related Potential Research
2019	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Rochester Institute of Technology
2019	Instructor/Organizer, Mini ERP Boot Camp, 2-day workshop at the Army Tactical Behavior Research Laboratory, New Jersey
2019	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis

2019	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Rutgers University
2018	Instructor/Organizer, Mini ERP Boot Camp, 2-day workshop at the Society for Psychophysiological Research annual meeting, Quebec City, Quebec, Canada
2018	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Washington University in St. Louis
2018	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at University of Florida
2018	Co-Instructor/Co-Organizer, The Mini ERP Boot Camp, 4-day workshop at the University of Birmingham, UK
2017	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2017	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Washington University in St. Louis
2017	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Union College
2016	Co-Instructor/Co-Organizer, The Mini ERP Boot Camp, 5-day workshop at the University of Birmingham, UK
2016	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2016	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Texas A&M, Kingsville
2015	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2015	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Washington State University
2015	Instructor/Organizer, Mini ERP Boot Camp, 2-day workshop at University of Alabama, Tuscaloosa
2015	Instructor/Organizer, Mini ERP Boot Camp, 2-day workshop at University of South Carolina, Aiken

2014	Instructor, Emerging Technologies Workshop on EEG and ERPs, Center for Cognitive Sciences, University of Minnesota
2014	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2014	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at Washington University in St. Louis
2013	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2012	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at University of New Mexico
2012	Co-Instructor/Co-Organizer, ERPLAB Toolbox Workshop, Society for Psychophysiological Research
2011	Instructor/Organizer, Mini ERP Boot Camp, 3-day workshop at State University of New York, Binghamton
2011	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2010	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2009	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2008	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis
2007	Co-Instructor/Co-Organizer, The ERP Boot Camp, 10-day workshop at the University of California, Davis

Symposia

Luck, S. J. & **Kappenman, E. S.** (2009, April). The lateralized readiness potential: A powerful tool for studying action. Symposium presentation at the 15th International Congress on Event-Related Potentials of the Brain, Bloomington, IN.

Invited Talks

Kappenman, E. S. (2020, October). ERP CORE: An Open Resource for Human Event-Related Potential Research. Invited talk at the Live MEEG annual meeting, Virtual.

Kappenman, E. S. (2019, September). The Time Course of Attention to Threatening Stimuli: Distinct Electrophysiological Markers of Enhancement and Suppression of Attention to Threat. Invited talk at the Society for Psychophysiological Research annual meeting, Washington, D.C.

Kappenman, E. S. (2018, October). Reproducibility in Psychophysiological Research. Invited talk at the Society for Psychophysiological Research annual meeting, Quebec City, Quebec, Canada.

Kappenman, E. S. (2018, October). Neural Measures of Attention to Threat in Anxiety. Invited talk at Google X, Inc.

Kappenman, E. S. (2017, November) Attention to Threat in Anxious and Non-Anxious Individuals. Invited talk at Arizona State University, Tempe, AZ.

Kappenman, E. S. (2017, June). tDCS and HD-tDCS. Presented at The Science of Consciousness meeting, San Diego, CA.

Kappenman, E. S. (2016, September). Establishing reproducibility and openness in tES research. Presented at the workshop on Transcranial Electrical Stimulation (tES): Mechanisms, Technology and Therapeutic Applications, National Institutes of Health, Bethesda, MD.

Kappenman, E. S. (2015, July). Practical considerations in combining tDCS with EEG and ERPs. Presented at the Air Force Planning Meeting: Dosimetry and Mechanisms Mediating Responses to tDCS, University of Massachusetts, Amherst, MA.

Bikson, M., Edwards, D., & **Kappenman, E. S.** (2015, January). The prospects for tES. Presented at the 2nd Annual NYC Neuromodulation meeting, New York City, NY.

Kappenman, E. S. (2014, December). Practical issues in conducting EEG/ERP research. Presented at the Emerging Technologies EEG Workshop, University of Minnesota, Minnesota, MN.

Kappenman, E. S. (2013, November). HD-tDCS and EEG. Presented at the 1st Annual NYC Neuromodulation meeting, New York City, NY.

Other Talks

+ = Mentored student

+Krauter, M. A., +Zhang, W., **Kappenman, E. S.**, (April, 2022). How neural measures of attention relate to visual working memory capacity and trait anxiety. Presented at the Psychology Honors Thesis Forum, San Diego State University, San Diego, CA, United States.

+Krauter, M. A., +Zhang, W., **Kappenman, E. S.**, (March, 2022). How neural measures of attention relate to visual working memory capacity and trait anxiety. Presented at the Student Research Symposium, San Diego State University, San Diego, CA, United States.

+Krauter, M. A., +Kumar, A. V., +Spence, M., +Zhang, W., & **Kappenman, E. S.** (October, 2021). Neural Measures of Attention to Emotional Versus Salient Non-Emotional Stimuli in Anxiety. Presented at the Undergraduate Research Symposium, San Diego State University, San Diego, CA.

Kappenman, E. S. (2017, October) Attention to Threat in Anxious and Non-Anxious Individuals. Presented at the Annual San Diego State University Center for Clinical and Cognitive Neuroscience Workshop.

+Geddert, R. M., Ng, A., Farrens, J., Luck, S. J. & **Kappenman, E. S.** (2017, May). Examining Attentional Bias to Inherent and Conditioned Threat Using Behavioral and Electrophysiological Measures. Presented at the 3rd annual UC Davis ASPIRE Research Symposium, Davis, CA.

Kappenman, E. S. & Luck, S. J. (2010, May). The role of inhibitory processes in overcoming response competition: Evidence from event-related potentials. Presented to the University of California, Davis, Psychology Department Research Day, Davis, CA.

Kappenman, E. S. & Luck, S. J. (2009, April). Extending the lateralized readiness potential: Response activation and inhibition in real time. Presented at the 15th International Congress on Event-Related Potentials of the Brain in Bloomington, IN.

Kappenman, E. S., Kruschke, J. K., & Hetrick, W. P. (2005, April). Associative learning in schizotypal personality disorder. Presented at the annual IU-STARS research conference, Indiana University, Bloomington, IN.

Kappenman, E. S., Kieffaber, P. D., & Hetrick, W. P. (2003, August). Event related potential correlates of task switching. Presented at the Howard Hughes Medical Institute Capstone Award Program, Indiana University, Bloomington, IN.

Poster Presentations

+ = Mentored student

+Zhang, W., Luck, S. J., & **Kappenman, E. S.** (October, 2021). What Baseline Correction Interval is Optimal for ERP Data Analysis? Presented at the Annual Meeting of the Society for Psychophysiological Research.

+Krauter, M. A., +Kumar, A. V., +Spence, M., +Zhang, W., & **Kappenman, E. S.** (October, 2021). Neural Measures of Attention to Emotional Versus Salient Non-Emotional Stimuli in Anxiety. Presented at the Diversity in STEM Conference, Society for the Advancement of Chicanos and Native Americans in Science (SACNAS).

+Krauter, M. A., +Kumar, A. V., +Spence, M., +Zhang, W., & **Kappenman, E. S.** (March, 2021). Neural Measures of Attentional Selection and Suppression in Trait Anxiety. Presented at the Student Research Symposium, San Diego State University, San Diego, CA.

+Spence, M., & **Kappenman, E. S.** (February, 2020). Attention to Salient Emotional vs. Non-Emotional Stimuli in Anxiety. Presented at the Student Research Symposium (SRS), San Diego State University, San Diego, CA.

+Zhang, W., & Kappenman, E. S. (September, 2019). What Electrode Sites Maximize Statistical Power for the N170, MMN, N2pc, N400, P3, LRP, and ERN? Presented at the Annual Meeting of the Society for Psychophysiological Research, Washington, D.C.

+Meissel, E. E., Amir, N., & Kappenman, E. S. (November, 2018). Electrophysiological study of attention bias under safe and threatening contexts. Presented at the Association for Behavioral and Cognitive Therapies 52nd Annual Convention, Washington, D.C.

+Carter, C., Farrens, J. L., & Kappenman, E. S. (2018, October). A multi-site investigation of the reproducibility of tDCS. Presented at the Annual Meeting of the Society for Psychophysiological Research, Quebec City, QC.

+Meissel, E. E., Farrens, J. L., Amir, N., & Kappenman, E. S. (September, 2018). The causal role of state-level anxiety in driving attentional bias to threat. Presented at the Annual Meeting of the Society for Research in Psychopathology, Indianapolis, IN.

+Zhang, W., +Osborne, K. J., Mittal, V. A., & **Kappenman, E. S.** (2018, September). Behavioral and Neural Measures of Visual Working Memory in Youth at Clinical High Risk for Psychosis. Presented at the Annual Meeting of the Society for Research in Psychopathology, Indianapolis, IN.

+Geddert, R. M., Ng, A., Farrens, J., Luck, S. J. & **Kappenman, E. S.** (2016, May). The relationship between trait-level anxiety and attention to natural and conditioned threat. Presented at the 2nd annual UC Davis ASPIRE Research Symposium, Davis, CA.

+Geddert, R. M., +Kapulkin, D., Farrens, J., Luck, S. J. & **Kappenman, E. S.** (2015, May). Examining attentional bias to conditioned threat using electrocortical measures. Presented at the 1st annual UC Davis ASPIRE Research Symposium, Davis, CA.

+Kapulkin, D., +Farrens, J. L., Luck S. J., & **Kappenman E. S.** (2014, April). Integrating transcranial direct current stimulation with electroencephalography. Poster presented at the 25th Annual University of California, Davis Undergraduate Research Conference, Davis, CA.

+Farrens, J. L., +Symons, A. E., Luck, S. J., & **Kappenman, E. S.** (2013, April). Electrophysiological indices of attention and suppression of attention to threat in anxiety. Presented at the 24th Annual University of California, Davis Undergraduate Research Conference, Davis, CA.

+Symons, A. E., +Farrens, J. L., Luck, S. J., & **Kappenman, E. S.** (2013, April). Improvements in attentional control with transcranial direct current stimulation (tDCS)? Presented at the 24th Annual University of California, Davis Undergraduate Research Conference, Davis, CA.

Kappenman, E. S. & Luck, S. J. (2011, September). Manipulation of orthogonal neural systems together in electrophysiological recordings: The MONSTER approach to simultaneous assessment of multiple neurocognitive processes. Presented at the Annual Meeting of the Society for Psychophysiological Research, Boston, MA.

Kappenman, E. S., Luck, S. J., Rafael, S., Niendam, T., Solomon, M., Kring, A., Ragland, J. D., Ranganath, C., Swaab, T., & Carter, C. (2010, October). Impaired response activation and inhibition in schizophrenia patients: Evidence from event-related potentials. Presented at the Annual Meeting of the Society for Research in Psychopathology, Seattle, WA.

Kappenman, E. S., Luck, S. J., Rafael, S., Niendam, T., Solomon, M., Kring, A., Ragland, J. D., Ranganath, C., Swaab, T., & Carter, C. (2010, September). Impaired response activation and inhibition in schizophrenia patients: Evidence from event-related potentials. Presented at the Annual Meeting of the Society for Psychophysiological Research, Portland, OR.

Kappenman, E. S. & Luck, S. J. (2009, October). Isolating the contribution of correct and incorrect response activation in the lateralized readiness potential. Presented at the Annual Meeting of the Society for Psychophysiological Research, Berlin, Germany.

Kappenman, E. S. & Luck, S. J. (2008, October). Isolating the contribution of correct and incorrect response activation in the lateralized readiness potential. Presented at the Annual Meeting of the Society for Psychophysiological Research, Austin, TX.

Kappenman, E. S. & Luck, S. J. (2008, April). High impedance ERP recordings: Will you need more trials to get the same p-value? Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Kappenman, E. S. & Luck, S. J. (2007, October). Do high impedance ERP recording systems really save time? Presented at the Annual Meeting of the Society for Psychophysiological Research, Savannah, GA.

Kappenman, E. S. & Luck, S. J. (2007, October). Reduced lateralized readiness potential (LRP) amplitude in schizophrenia patients. Presented at the Annual Meeting of the Society for Psychophysiological Research, Savannah, GA.

Kieffaber, P. D., **Kappenman, E. S.**, & Hetrick, W. P. (2005, October). Maintenance and shifting of task set in schizophrenia. Presented at the Annual Meeting of the Society for Research in Psychopathology, Coral Gables, FL.

Kappenman, E. S., Kieffaber, P. D. & Hetrick, W. P. (2004, April). Electrophysiological measures of preparation in a task switching paradigm. Presented at the annual IU-STARS research conference, Indiana University, Bloomington, IN.

Kappenman, E. S., Kruschke, J. K. & Hetrick, W. P. (2003, October). Inverse base-rates and illusory correlations in schizotypal personality disorder. Presented at the Seventeenth Annual Meeting of the Society for Research in Psychopathology, Toronto, Canada.

Kappenman, E. S., Kruschke, J. K. & Hetrick, W. P. (2003, April). Highlighting and illusory correlation in schizotypal personality disorder. Presented at the annual IU-STARS research conference, Indiana University, Bloomington, IN.

UNIVERSITY AND PROFESSIONAL SERVICE

Editorial Work

2017-	Consulting Editor, *Psychophysiology*
2016-2018	Guest Associate Editor, *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, special issue "What Can We Learn About Mental Illness from High Temporal Resolution Measures of Human Brain Processing?"
2015-2017	Guest Associate Editor, *Psychophysiology*, special issue "Re-Centering Science: Reliability, Robustness, and Reproducibility in Psychophysiological Research"

Committees and Positions

2017-	Oscar Kaplan Fellowship Committee
2020-2021	Member, Master's Program Committee
2019-2020	Member, Undergraduate Curriculum Committee, SDSU Department of Psychology
2018-2020	Sona Site Administrator for Paid Research Studies
2018-2020	Education and Training Committee, Society for Psychophysiological Research
2017-2019	Chair, Undergraduate Curriculum Committee, SDSU Department of Psychology
2015-2018	Public Relations Committee, Society for Psychophysiological Research
2016-2017	Member, Undergraduate Curriculum Committee, SDSU Department of Psychology

2016	Joint Doctoral Program Selection Committee
2015	Chair/Moderator, Air Force Planning Meeting: Dosimetry and Mechanisms Mediating Responses to tDCS, held at the University of Massachusetts, Amherst
2014-2015	Director of Scientific Program, NYC Neuromodulation 2015
2014	Student Poster Award Committee, Society for Psychophysiological Research
2013	Organizer, Summit on Transcranial Direct Current Stimulation (tDCS), Center for Mind & Brain, University of California, Davis. Featured in *WIRED* magazine.
2013	Ad Hoc Committee on EEG/ERP/MEG Measures, Society for Psychophysiological Research
2012	Program Committee (student representative), Society for Psychophysiological Research

Journal Reviewing

Behavior Research and Therapy
Biological Psychiatry
Biological Psychiatry: Cognitive Neuroscience and Neuroimaging
Biological Psychology
Brain Stimulation
Clinical Neurophysiology
Cognitive, Affective, and Behavioral Neuroscience
Cognition & Emotion
Cortex
Current Biology
Emotion
Frontiers
International Journal of Psychophysiology
Journal of Cognitive Neuroscience
Journal of Neuroscience
Journal of Neuroscience Methods
Journal of Public Relations Research
NeuroImage
Neuropsychologia
NeuroReport
Psychiatry Research: Neuroimaging
Psychopharmacology
Psychophysiology

SAGE Open
Schizophrenia Bulletin
Schizophrenia Research
Social, Cognitive, and Affective Neuroscience
Vision Research

Grant Reviewing

2021 Member NIH Research Education Programs Panel

2020 Member NIH Pathophysiological Basis of Mental Disorders and Addictions Panel

MEMBERSHIPS

Society for Psychophysiological Research
Cognitive Neuroscience Society
American Psychological Society

TEACHING

Program Development

2014	Co-Founder, ASPIRE Undergraduate Research Program, University of California, Davis

Undergraduate Research Mentorship

2021-2022	Sidney Horne, Marisa Krauter, Urvi Sakurikar
2020-2021	Marisa Krauter, Urvi Sakurikar
2019-2020	Megan Spence, Gabe Marra, Georgia Meyer, Jazzlyn Aviles, Kelly Zoffada, Kentaro Kawasaki, Leah Krause, Lily Holmes, Marisa Krauter, Rachel Chen
2018-2019	Megan Spence, Kentaro Kawasaki, Leah Krause, Jazzlyn Aviles
2017-2018	Priscilla Albarran, Jed Colcol, Megan Spence, Kentaro Kawasaki
2016-2017	Priscilla Albarran, Jed Colcol, Raphael Geddert
2015-2016	Erika Arnold, Mark Cubillan, Raphael Geddert, Adam Govani
2014-2015	Erika Arnold, Raphael Geddert, Adam Govani, Daniel Kapulkin, Alejandro Lopez, Garrett O'Day, Brian Trinh, Krystal Wulf

2013-2014	Dylan Cheng, Connie Choi, Noel Elrod, Mercy Huang, Colette Kohanim, Alexandra Luong, Sasha Mikhailova, Brian Trinh, Jennifer Windus
2012-2013	Shaun Capaul, Sheila Fakurnejad, Jaclyn Farrens, Livon Ghermezi, Adam Govani, Celeste Hackenberg, Colette Kohanim, Scott Phillips, Anthony Rosefeld, Ashley Symons, Jennifer Windus, Zane Xie
2011-2012	Jaclyn Farrens

Undergraduate Honors Thesis Supervision

2021-2022	Marisa Krauter
2019-2020	Megan Spence, Psychology
2016-2017	Raphael Geddert, Psychology
2014-2015	Daniel Kapulkin, Biomedical Engineering

Graduate Research Mentorship

2021-	Kate McCain, SDSU Master's Program in Psychology
2020-	Amy Bichlmeier, SDSU Master's Program in Psychology
2020-	Megan Spence, SDSU Master's Program in Psychology
2017-	Wendy Zhang, SDSU/UCSD Joint Doctoral Program in Clinical Psychology
2019-2021	Aniha Vijay Kumar, SDSU Master's Program in Psychology
2017-2021	Emily Meissel, SDSU/UCSD Joint Doctoral Program in Clinical Psychology
2019-2020	Koryn (Rae) Haight, SDSU Master's Program in Psychology
2017-2019	Chelsea Carter, SDSU Master's Program in Psychology

Course Instruction

2022	Seminar in Cognition, Affect, and Cognitive-Affective Interactions, PSY 887, San Diego State University (Spring)
2022	Advanced Principles of Learning and Cognition, PSY 787, San Diego State University (Spring)

2021	Introduction to Cognitive Psychology, PSY 211, San Diego State University (Fall)
2021	Seminar in Cognition, Affect, and Cognitive-Affective Interactions, PSY 767, San Diego State University (Spring)
2020	Introduction to Cognitive Psychology, PSY 211, San Diego State University (Fall)
2020	Seminar in Cognition, Affect, and Cognitive-Affective Interactions, PSY 767, San Diego State University (Spring)
2019	Introduction to Cognitive Psychology, PSY 211, San Diego State University (Fall)
2019	Cognition, Emotion, and Cognition-Emotion Interactions, PSY 767, San Diego State University (Spring)
2018	Advanced Principles of Learning and Cognition, PSY 587, San Diego State University (Spring)
2018	Introduction to Cognitive Psychology, PSY 211, San Diego State University (Fall)
2018	Cognitive Psychology, PSY 380, San Diego State University (Spring)
2017	Cognition and Learning, PSY 211, San Diego State University (Fall)
2017	Advanced Principles of Learning and Cognition, PSY 587/PSY 898, San Diego State University (Spring)
2010	Associate Instructor, General Psychology, University of California, Davis

TA Supervision

Fall 2021	Megan Spence (G), Andrew Tricarico (G)
Fall 2020	Megan Spence (G), Amy Bichlmeier (G)
Fall 2019	Jazzlyn Aviles (UG), Jeremy Delgadillo (G), Aniha Vijay Kumar (G)
Fall 2018	Megan Spence (UG), Eleni Kapoulea (G)
Spring 2018	Eleni Kapoulea (G)
Fall 2017	Eleni Kapoulea (G)