

KEELY A. MUSCATELL, PHD
CURRICULUM VITAE

CONTACT INFORMATION

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EDUCATION AND TRAINING

- 2015-2016 Postdoctoral Fellowship, Berkeley Social Interaction Laboratory, Department of Psychology, University of California, Berkeley
Advisor: Dacher Keltner
- 2013-2015 Postdoctoral Fellowship, Robert Wood Johnson Foundation Health and Society Scholars Program, University of California, San Francisco and University of California, Berkeley
Advisors: Wendy Berry Mendes, Dacher Keltner
- 2008-2013 Ph.D., Psychology, University of California, Los Angeles
Advisor: Naomi Eisenberger
- 2003-2006 B.A. with Departmental Honors, Psychology and Spanish, University of Oregon

PROFESSIONAL EXPERIENCE

Academic Appointments

- 2021-present Associate Professor with Permanent Tenure, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
- 2021-present Director of Diversity Initiatives, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill
- 2020-present Fellow, Carolina Population Center, University of North Carolina at Chapel Hill
- 2016-present Faculty Member, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill
- 2016-present Faculty Member, Biomedical Research Imaging Center, University of North Carolina at Chapel Hill
- 2016-2021 Assistant Professor, Department of Psychology and Neuroscience, University of North Carolina at Chapel Hill

HONORS AND AWARDS

- 2022 Distinguished Scientific Award for Early Career Contribution to Psychology, American Psychological Association
- 2022 Early Career Award, Social-Personality and Health Network
- 2021 Innovation in Equity and Inclusivity Award, UNC Dept. of Psychology and Neuroscience

- 2021 Elected to the Council of the American Psychosomatic Society
- 2020 Elected a Fellow of the Carolina Population Center, UNC
- 2020 Ann Rankin Cowan Excellence Award for High Impact Research, UNC Dept. of Psychology and Neuroscience
- 2019 “Rising Star” Award, Association for Psychological Science
- 2017 Faculty Research Mentoring Award, UNC Dept. of Psychology and Neuroscience
- 2014 Young Investigator Colloquium Award, American Psychosomatic Society
- 2014 Trainee Research Award, UCSF Dept. of Psychiatry
- 2013 Travel Award for MacLean Scholars, American Psychosomatic Society
- 2012 Citation Poster Award, American Psychosomatic Society
- 2011 Robert L. Solso Research Award, Western Psychological Association
- 2011 Travel Award for MacLean Scholars, American Psychosomatic Society
- 2011 Citation Poster Award, American Psychosomatic Society
- 2010 Citation Poster Award, American Psychosomatic Society
- 2010 Conference Travel Award, Society for Personality and Social Psychology
- 2006 Inductee, Phi Beta Kappa, University of Oregon Alpha Chapter
- 2005 Inductee, Psi Chi, The National Honor Society in Psychology, University of Oregon Chapter
- 2003 – 2006 Presidential Scholarship, University of Oregon

PUBLICATIONS * indicates student/trainee

Peer-Reviewed Journal Articles

- Gray, K., MacCormack, J.K.,* Henry, T., Banks, E.,* Schein, C., Armstrong-Carter, E.A.,* Abrams, S., & **Muscatell, K.A.** (in press). The Affective Harm Account (AHA) of moral judgment: Reconciling cognition and affect, dyadic morality and disgust, harm and purity. *Journal of Personality and Social Psychology*.
- Alvarez, G.M.,* Rudolph, M., Cohen, J.R., & **Muscatell, K.A.** (in press). Lower socioeconomic position is associated with greater activity in and integration within an allostatic-interoceptive brain system in response to affective stimuli. *Journal of Cognitive Neuroscience*.
- Parrish, M.P., Dutcher, J.M., **Muscatell, K.A.**, Inagaki, T.K., Irwin, M.R., & Esienberger, N.I. (in press). Frontostriatal functional connectivity underlies self-enhancement during social evaluation. *Social Cognitive and Affective Neuroscience*.
- Inagaki, T.K., MacCormack, J.K.,* & **Muscatell, K.A.** (in press). Prosocial and positive health behaviors during a period of chronic stress protect socioemotional well-being. *Affective Science*.
- Jolink, T.A.,* Fendinger, N.J.,* Alvarez, G.M.,* Feldman, M.J.,* Gaudier-Diaz, M.M., & **Muscatell, K.A.** (2022). Inflammatory reactivity to the influenza vaccine is associated with changes in automatic social behavior. *Brain, Behavior, and Immunity, 99*, 339-349.
- MacCormack, J.K.,* Armstrong-Carter, E.A.,* Gaudier-Diaz, M.M.,* Meltzer-Brody, S., Sloan, E., Lindquist, K.A., & **Muscatell, K.A.** (2021). Beta-adrenergic contributions to emotion and

physiology during an acute psychosocial stressor. *Psychosomatic Medicine*, 23, 959-968.

Muscatell, K.A., & Inagaki, T.K. (2021). Beyond social withdrawal: New perspectives on the effects of inflammation on social behavior. *Brain, Behavior, and Immunity- Health*, 16, 100302.

Merritt, C.M.,* MacCormack, J.K.,* Stein, A.G., Lindquist, K.A., & **Muscatell, K.A.** (2021). The neural underpinnings of intergroup social cognition: An fMRI meta-analysis. *Social Cognitive and Affective Neuroscience*, 16, 903-914.

MacCormack, J.K.,* Armstrong-Carter, E.A.,* Humphreys, K.L., & **Muscatell, K.A.** (2021). Neurophysiological contributors to advantageous risk-taking: An experimental psychopharmacological investigation. *Social Cognitive and Affective Neuroscience*, 16, 926-936.

Salomon, R.,* **Muscatell, K.A.**, Crandell, J., Anderson, R., & Beeber, L. (2021). Psychoneurological symptoms in low income mothers: A preliminary investigation. *Nursing Research*, 70, 325-333.

Muscatell, K.A. (2021). Social psychoneuroimmunology: Understanding bi-directional links between social experiences and the immune system. *Brain, Behavior, and Immunity*, 93, 1-3.

MacCormack, J.K.,* Gaudier-Diaz, M.M.,* Armstrong-Carter, E.A,* Arevalo, J.M.G., Meltzer-Brody, S., ... & **Muscatell, K.A.** (2021). Beta-adrenergic blockade blunts inflammatory and antiviral/antibody gene expression responses to acute psychosocial stress. *Neuropsychopharmacology*, 46, 756-762.

Brosso, S.M.,* Sheeran, P., Lazard, A.J., & **Muscatell, K.A.** (2021). Harnessing neuroimaging to reduce socioeconomic disparities in chronic disease: A conceptual framework for improving health messaging. *Frontiers in Human Neuroscience*, 15, 576749.

Ballard, P.J., **Muscatell, K.A.**, Hoyt, L.T., Flores, A.D., & Mendes, W.B. (2021). An experimental laboratory examination of the psychological and physiological effects of civic empowerment: A novel methodological approach. *Nonprofit and Volunteer Sector Quarterly*, 50, 118-142.

Alvarez, G.M.,* Hackman, D.A., Miller, A.B., & **Muscatell, K.A.** (2020). Systemic inflammation is associated with differential neural reactivity and connectivity to affective images. *Social Cognitive and Affective Neuroscience*, 15, 1024-1033.

Muscatell, K.A., Brosso, S. M.,* & Humphreys, K. L. (2020). Socioeconomic status and inflammation: A meta-analysis. *Molecular Psychiatry*, 25, 2189-2199.

Armstrong-Carter, E.,* Ivory, S., Lin, L.C., **Muscatell, K.A.**, & Telzer, E.H. (2020). Role fulfillment mediates the relationship between daily family assistance and cortisol awakening response in adolescents. *Child Development*, 91, 754-768.

Salomon, R.,* Tan, K.R., Vaughan, A., & **Muscatell, K.A.** (2020). Minimally-invasive methods for examining biological changes in response to chronic stress: A scoping review. *International Journal of Nursing Research*, 103, 103419.

- Salomon, R.,* Crandell, J., **Muscatell, K.A.**, Santos, H. P. Jr., Anderson, R. A., & Beeber, L.S. (2020). Comparing two methods for creating symptom scores in symptom cluster research. *Nursing Research, 69*, 133-141.
- Cundiff, J., Boylan, J. M., & **Muscatell, K.A.** (2020). Social status and physical health: Taking a closer look at stress as a pathway. *Current Directions in Psychological Science, 29*, 147-153.
- MacCormack, J. K.,* & **Muscatell, K. A.** (2019). The metabolic mind: A role for leptin and ghrelin in affect and social cognition. *Social and Personality Psychology Compass, 13*, 1-18.
- Gaudier-Diaz, M. M.,* Sinisterra, M.,* & **Muscatell, K.A.** (2019). Motivation, belongingness, and anxiety in neuroscience undergraduates: Emphasizing first-generation college students. *Journal of Undergraduate Neuroscience Education, 17*, 145-152.
- Moieni, M., **Muscatell, K.A.**, Jevtic, I., Breen, E.C., Irwin, M.R., & Eisenberger, N.I. (2019). Sex differences in the effect of inflammation on subjective social status: A randomized controlled trial of endotoxin in healthy young adults. *Frontiers in Psychology, 10*, 2167.
- Moieni, M., Tan, K.M., Inagaki, T.K., **Muscatell, K.A.**, Dutcher, J.D., ... & Eisenberger, N.I. (2019). Sex differences in the relationship between inflammation and reward sensitivity: A randomized controlled trial of endotoxin. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 4*, 619-626.
- Muscatell, K.A.** (2018) Socioeconomic influences on brain function: Implications for health. *Annals of the New York Academy of Sciences, 1428*, 14-32.
- Muscatell, K.A.**, McCormick, E., & Telzer, E. H. (2018). Subjective social status and neural processing of race in Mexican American adolescents. *Development & Psychopathology, 30*, 1837-1848.
- Parrish, M.P., Inagaki, T.K., **Muscatell, K.A.**, Haltom, K.E.B., Leary, M.R., & Eisenberger, N.I. (2018). Self-compassion and responses to negative social feedback: The role of fronto-amygdala circuit connectivity. *Self and Identity, 17*, 723-738.
- Eisenberger, N. I., Moieni, M., Inagaki, T. K., **Muscatell, K. A.**, & Irwin, M. R. (2017). In sickness and in health: The co-regulation of inflammation and social behavior. *Neuropsychopharmacology Reviews, 42*, 242-253.
- Muscatell, K. A.**, Moieni, M., Inagaki, T. K., Dutcher, J. D., Jevtic, I., Breen, E. C., Irwin, M. R., & Eisenberger, N. I. (2016). Exposure to an inflammatory challenge enhances neural sensitivity to negative and positive social feedback. *Brain, Behavior, and Immunity, 57*, 21-29.
- Muscatell, K.A.**, Dedovic, K., Slavich, G. M., Jarcho, M. R., Breen, E. C., Bower, J. E., Irwin, M. R., & Eisenberger, N. I. (2016). Neural mechanisms linking social status with inflammatory responses to social stress. *Social Cognitive and Affective Neuroscience, 11*, 915-922.
- Muscatell, K. A.**, Eisenberger, N. I., Dutcher, J. D., Cole, S. W., & Bower, J. E. (2016). Links between inflammation, amygdala reactivity, and social support in breast cancer survivors. *Brain, Behavior, and Immunity, 53*, 34-38.

- Inagaki, T. K., **Muscatell, K. A.**, Moieni, M., Dutcher, J. D., Jevtic, I., Breen, E. C., Irwin, M. R., & Eisenberger, N. I. (2016). Yearning for connection? Loneliness is associated with increased ventral striatum activity to close others. *Social Cognitive and Affective Neuroscience, 11*, 1096-1101.
- Dedovic, K., Slavich, G. M., **Muscatell, K. A.**, Irwin, M. R., & Eisenberger, N. I. (2016). Dorsal anterior cingulate cortex responses to repeated social evaluative feedback in young women with and without past history of major depressive disorder. *Frontiers in Behavioral Neuroscience, 10*, 64.
- Dutcher, J., Creswell, J. D., Pacilio, L. E., Harris, P. R., Klein, W. M. P., Levine, J. M., Bower, J. E., **Muscatell, K. A.**, & Eisenberger, N. I. (2016). Self-affirmation activates the ventral striatum: A possible reward-related mechanism for self-affirmation. *Psychological Science, 27*, 455-466.
- Miklowitz, D. J., Portnoff, L. C., Armstrong, C. C., Keenan-Miller, D., Breen, E. C., **Muscatell, K. A.**, Eisenberger, N. I., & Irwin, M. R. (2016). Inflammatory cytokines and nuclear factor-kappa B activation in adolescents with bipolar and major depressive disorder. *Psychiatry Research, 241*, 315-322.
- Muscatell, K.A.**, Dedovic, K., Slavich, G. M., Jarcho, M. R., Breen, E. C., Bower, J. E., Irwin, M. R., & Eisenberger, N. I. (2015). Greater amygdala activity and dorsomedial prefrontal-amygdala coupling are associated with enhanced inflammatory responses to stress. *Brain, Behavior, and Immunity, 43*, 46-53.
- Inagaki, T. K., **Muscatell, K. A.**, Moieni, M., Dutcher, J. D., Jevtic, I., Breen, E. C., Irwin, M. R., & Eisenberger, N. I. (2015). The role of the ventral striatum in inflammatory-induced approach toward support figures. *Brain, Behavior, and Immunity, 44*, 247-252.
- Muscatell, K. A.**, & Eisenberger, N. I. (2012). A social neuroscience perspective on stress and health. *Social and Personality Psychology Compass, 6*, 890-904.
- Muscatell, K. A.**, Morelli, S. A., Falk, E. B., Way, B. M., Pfeifer, J. H., Galinsky, A. D., Lieberman, M. D., Dapretto, M., & Eisenberger, N. I. (2012). Social status modulates neural activity in the mentalizing network. *NeuroImage, 60*, 1771-1777.
- Inagaki, T. K., **Muscatell, K. A.**, Cole, S. W., Irwin, M. R., & Eisenberger, N. I. (2012). Inflammation selectively enhances amygdala activity to socially threatening images. *NeuroImage, 59*, 3222-3226.
- Eisenberger, N. I., Inagaki, T. K., **Muscatell, K. A.**, Haltom, K. E. B., & Leary, M. R. (2011). The neural sociometer: Brain mechanisms underlying state self-esteem. *Journal of Cognitive Neuroscience, 23*, 3448-3445.
- Murray, B. D., **Muscatell, K. A.**, & Kensinger, E. A. (2011). Effects of emotion and age on performance during a think/no-think memory task. *Psychology & Aging, 26*, 940-955.
- Muscatell, K. A.**, Addis, D. R., & Kensinger, E. A. (2010). Self-involvement modulates the effective connectivity of the autobiographical memory network. *Social Cognitive and Affective Neuroscience, 5*, 68-76.

Mickley, K. R., **Muscatell, K. A.**, & Kensinger, E. A. (2010). The effect of valence on young and older adults' attention in a rapid serial visual presentation task. *Psychology and Aging*, 25, 239-245.

Addis, D. R., Leclerc, C. M., **Muscatell, K. A.**, & Kensinger, E. A. (2010). There are age-related changes in neural connectivity during the successful encoding of positive, but not negative, information. *Cortex*, 46, 425-433.

Muscatell, K. A., Slavich, G. M., Monroe, S. M., & Gotlib, I. H. (2009). Stressful life events, chronic difficulties, and symptoms of clinical depression. *Journal of Nervous and Mental Disease*, 197, 154-160.

Manuscripts Under Review

Galvan, M.J.*, Alvarez, G.M.*, Cipolli, W., Cooley, E., **Muscatell, K.A.** & Payne, K. *Widespread or concentrated? Evaluating the distribution of hiring and housing discrimination against Black Americans*. Invited revision, *Personality and Social Psychology Bulletin*.

Inagaki, T. K., Alvarez, G.M.*, Orehek, E., Ferrer, R. A., Manuck, S.B., Abaya, N.M., & **Muscatell, K.A.** *Support-giving relates to better self-rated health and lower systemic inflammation*. Invited revision, *Annals of Behavioral Medicine*.

Jorgensen, N.A., **Muscatell, K.A.**, McCormick, E.M., Lindquist, K.A., Prinstein, M.J., & Telzer, E. H. *Neighborhood disadvantage, race, and neural sensitivity to social threat and reward among adolescents*. Invited revision, *Social Cognitive and Affective Neuroscience*.

Muscatell, K.A., Alvarez, G.M., Bonar, A.S., Cardenas, M., Galvan, M.J., Merritt, C.C., & Starks, M.D. *Neural and immune mechanisms linking racism and health*. Under review.

Steinmetz, K.R.M., Gaudier-Diaz, M.M.*, Huber, E.C.*, Edwards, B.H., & **Muscatell, K.A.** *Investigating social connection as a protective factor against exam stress in college students*. Under review.

Book Chapters

Muscatell, K.A., Merritt, C.M.*, Cohen, J.R., Chang, L., & Lindquist, K.L (forthcoming). The stressed brain: Neural underpinnings of social stress processing in humans. In R. Sinha & K. Miczek, (Eds.), *Neuroscience of Social Stress*. Current Topics in Behavioral Neurosciences, vol. 35. Springer, Cham.

Alvarez, G. M.,* & **Muscatell, K. A.** (forthcoming). A cultural neuroscience perspective on socioeconomic disparities in global mental health. Chapter to appear in J. Chiao, S-C Li, R. Turner, S. Lee-Tauler, & B. Pringle (Eds.), *Oxford Handbook of Cultural Neuroscience and Global Mental Health*. New York, NY: Oxford University Press.

Mendes, W. B., & **Muscatell, K. A.** (2018). Emotions and emotion regulation as mediators of the relationship between stigma and health. In B. Major, J. F. Dovidio, & B. G., Link (Eds.), *The Oxford Handbook of Stigma, Discrimination, and Health*. New York, NY: Oxford University Press.

Muscatell, K. A., & Eisenberger, N. I. (2015). Neurocognitive and physiological mechanisms linking stress and health. In A. W. Toga (Ed.). *Brain Mapping: An Encyclopedic Reference*, vol 3, pp. 29-33. New York, NY: Elsevier.

Eisenberger, N. I. & **Muscatell, K. A.** (2013). The pleasures and pains of social interactions: A social cognitive neuroscience perspective. In S. Kosslyn & K. Oschner (Eds.), *Oxford Handbook of Cognitive Neuroscience, Volume 2: The Cutting Edges*. New York, NY: Oxford University Press.

GRANTS

- Received
- Principal Investigator, *Neural and Molecular Mechanisms Underlying Stress-Induced Inflammatory Responses (R01 HL157422)*
National Heart, Lung, and Blood Institute, 2021-2026; \$2,328,455 Direct Costs
- Principal Investigator, *CAREER: Bidirectional Links Between Social Experiences and the Immune System (BCS 2047344)*
National Science Foundation, 2021-2026; \$502,580 Direct Costs
- Principal Investigator, *Race-Related Stress among Black Americans with Schizophrenia: Neural Correlates and Social Cognitive Consequences*.
Brain and Behavior Research Foundation Young Investigator Grant (#29051), 2021-2023; \$69,856 Direct Costs
- Co-Investigator, *A Network Analytic Approach to Predicting Chemotherapy-Induced Cognitive Decline in Breast Cancer*. (PI- Jessica Cohen)
UNC Computational Medicine Program Pilot Award, 2022-2023; \$50,000 Direct Costs.
- Principal Investigator, *Utilizing Inclusive Mentorship Practices to Enhance Equity in Graduate Education in Psychology*.
Workshop grant, American Psychological Association Board of Educational Affairs, 2020-2021; \$2,500 Direct Costs.
- Principal Investigator, *Closing the Gap in Socioeconomic Disparities in Cancer: Using Neuroscience and Social Psychology to Improve Cancer Prevention Messaging*
UNC Lineberger Comprehensive Cancer Center development grant, 2020-2022; \$130,566 Direct Costs
- Co-Investigator, *A Transdisciplinary Approach to Improving Assessment of Chemotherapy-Induced Cognitive Decline in Breast Cancer: Specificity, Risk Factors, and Multimodal Brain Network-Based Predictors* (PI Cohen)
UNC Lineberger Comprehensive Cancer Center development grant, 2020-2021; \$50,000 Direct Costs
- Principal Investigator, *Stress and Inflammation Research Project*
UNC Office of Undergraduate Research grant, 2019-2020; \$10,000 Direct Costs
- Principal Investigator, *Characterizing the Upwardly Mobile Brain*
UNC IBM Junior Faculty Development Award, 2019-2020; \$10,000 Direct Costs
- Pending
- Co-Investigator, *Frontolimbic Circuit Mediation of Mindfulness Training Effects on Behavioral Flexibility in Emerging Adults* (PI Boettiger)

R21 proposal to the National Institute for Drug Abuse, submitted June 2021

INVITED TALKS AND COLLOQUIA

- 2022 Columbia University, Department of Psychology
Society for Affective Science Annual Meeting (virtual)
- 2021 Pennsylvania State University, Department of Biobehavioral Health
International Society of Psychoneuroendocrinology Annual Meeting, virtual
McGill University, Social Psychology Tupperware Talk
- 2020 UNC Geriatric Oncology Symposium speaker
University of Virginia, Social Psychology Brown Bag
Carolina Consortium for Human Development Colloquium, UNC Chapel Hill
- 2019 Carolina Population Center Colloquium, UNC Chapel Hill
NIH Science of Behavior Change Grand Rounds
Duke University Center for Cognitive Neuroscience Seminar
NC TraCS Inclusive Science Program Seminar, UNC School of Medicine
American Psychosomatic Society DOHaD Pre-Conference, Vancouver, BC
Grand Rounds, UNC Department of Neurology
Developmental Area Brown Bag, UNC Department of Psychology & Neuroscience
- 2018 University of California, Santa Barbara, Social Personality Area Meeting
University of Pittsburgh, Social Psychology Brown Bag,
Wofford College, Department of Psychology Colloquium
Academy of Behavioral Medicine Research Annual Meeting, Hilton Head, SC
Society for Affective Science Annual Meeting, Los Angeles, CA
- 2017 Society for Affective Science Positive Emotions Pre-Conference, Boston, MA
SPSP Social-Personality Health Network Preconference, San Antonio, TX
UNC Greensboro, Department of Psychology Colloquium
Wake Forest University, Department of Psychology Colloquium
Duke University, Social Psychology Brown Bag
UNC Health Humanities Grand Rounds
UNC Lineberger Comprehensive Cancer Center Annual Scientific Retreat
UNC Department of Psychiatry Reproductive Mood Disorders Group
- 2016 Southeastern Society for Social Psychology Annual Meeting, Asheville, NC
Department of Psychology, University of North Carolina at Chapel Hill
Department of Psychology, Northwestern University
Department of Psychological Sciences, Rice University
Department of Psychology, Rutgers University-Newark
Department of Psychology, Oregon State University
Department of Psychology, Virginia Tech University
Department of Psychology, University of Arizona
Department of Psychology, University of California, Riverside
Department of Psychological and Brain Sciences, University of Delaware

Department of Psychology, University of Georgia
 Department of Psychology, University of New South Wales

- 2015 Department of Psychological and Brain Sciences, University of Massachusetts, Amherst
 Department of Psychology, Michigan State University

SYMPOSIA ORGANIZED

- 2020 *Neuroscience in Psychosomatic Medicine: Linking Brain and Body to Understand Health*. American Psychosomatic Society, Long Beach, CA (canceled due to COVID-19)
- 2019 *New Perspectives on Reducing Stress*. American Psychosomatic Society, Vancouver, BC, Canada
- 2016 *Current Directions in Health Neuroscience* (co-chair w/ Tristen Inagaki). American Psychosomatic Society, Denver, CO
- 2015 *Social Relationships in a Hierarchical World*. International Conference on Psychological Science, Amsterdam, The Netherlands.
- 2014 *Social Brains, Social Bodies: Linking Neurobiology to Perceptions of the Social World* (co-chair w/ Lauren Human). Association for Psychological Science, San Francisco, CA.

CONFERENCE PRESENTATIONS * indicates student/trainee

- Walsh, E.C., Eisenlohr-Moul, T., Cernasov, P.M., Phillips, R.D., Kinard, J.L., Kelley, L., Pisoni, A., Campbell, D., Lalush, D., Muscatell, **K.A.**, Smoski, M., & Dichter, G.S. *Cingulate activation and IL-6 covary with psychiatric symptom changes across psychotherapy in a transdiagnostic sample with clinically-elevated anhedonia*. Poster to be presented at the Annual Meeting of the American College of Neuropsychopharmacology, San Juan, PR, December 2021
- Alvarez, G.M.,* & **Muscatell, K.A.** *Higher CRP is associated with greater amygdala activity among Black individuals*. Poster presented at the Annual Meeting of the Psychoneuroimmunology Research Society, May 2021 (virtual).
- Alvarez, G.M.,* Lindquist, K.A., & **Muscatell, K.A.** *Prior discrimination and current affective context modulate Black individuals' neural representations of White faces*. Data blitz and poster presented at Annual Meeting of the Social and Affective Neuroscience Society, April 2021 (virtual).
- Brosso, S.N.,* Hannay, J.W., Mehvar, S.,* Payne, B.K., **Muscatell, K.A.** *Neural mechanisms underlying economic inequality-induced increases in risk-taking*. Poster presented at the Annual Meeting of the Social and Affective Neuroscience Society, April 2021 (virtual).
- Merritt, C.C.,* MacCormack, J.K,* Stein, A., Lindquist, K.A., **Muscatell, K.A.** *The neural underpinnings of intergroup social cognition: An fMRI meta-analysis*. Poster presented

at the Annual Meeting of the Social and Affective Neuroscience Society, April 2021 (virtual).

Chakraborty, J.,* Patel, U.,* Feldman, M.J.,* Lindquist, K.A., **Muscatell, K. A.** *The positive relationship between emotional reactivity and loneliness becomes weaker as one grows older.* Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, February 2021 (virtual).

Brosso, S.N.,* Hannay, J.W., Mehyar, S.,* Payne, B.K., **Muscatell, K.A.** *Economic inequality-induced increases in risky behavior.* Poster accepted at the Annual Meeting of the American Psychosomatic Society, Long Beach, CA, 2020 (cancelled due to COVID19).

Nguyen, L.,* Muthukumaren, I.,* Gaudier-Diaz, M.M., & **Muscatell, K.A.** *The effect of cultural, familial, and socioeconomic factors on Asian American help seeking attitudes compared to White Americans.* Poster presented at the State of North Carolina Undergraduate Research and Creativity Symposium, 2020.

Alvarez, G.M.,* Hackman, D.A., **Muscatell, K. A.** *Low-grade inflammation and neural reactivity to affective information.* Talk presented at the Emotion Preconference of the Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA, February 2020.

Brosso, S.N.,* Hannay, J.W., Mehyar, S.,* Payne, B.K., **Muscatell, K.A.** *Economic inequality increases risk-taking on the Balloon Analogue Risk Task.* Poster presented at the Emotion Pre- Conference for the Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA, February 2020.

Merritt, C.C.,* MacCormack, J.K.,* Stein, A., Lindquist, K.A., **Muscatell, K.A.** *The brain bases of cross-race social cognition: An fMRI meta-analysis of empathy for racial ingroup and outgroup members.* Poster presented at the Annual Meeting of the Society of Personality and Social Psychology, New Orleans, LA, February 2020.

Muscatell, K.A. *The effects of beta-adrenergic signaling on stress-induced negative emotion and inflammation: A randomized, controlled-trial of propranolol.* Symposium talk presented at the Annual Meeting of the American College of Neuropsychopharmacology, Orlando, FL, December 2019.

MacCormack, J. K.,* Armstrong-Carter, E. L.,* Gaudier-Diaz, M. M.,* Meltzer-Brody, S., Lindquist, K. A., & **Muscatell, K.A.** *Bodily contributions to emotion: Effects of beta-adrenergic blockade during acute psychosocial stress.* Talk presented at the Colloquium on Research in Social & Personality Psychology, Durham, NC, April 2019.

Brosso, S.N.,* Giffin, K.A.,* Lazard, A., Sheeran, P., **Muscatell, K.A.** *Closing the gap in socioeconomic disparities in cancer: Using neuroscience and social psychology to improve cancer prevention messaging.* Poster presented at the UNC Lineberger Scientific Retreat, Chapel Hill, NC, April 2019.

Salomon, R.,* Crandell, J., **Muscatell, K. A.**, Anderson, R. A., Santos, H., & Beeber, L.S. *Psychoneurological symptoms in chronically stressed low-income mothers.* Poster

Presented at the Annual Meeting of the American Psychosomatic Society, Vancouver, British Columbia, March 2019.

- Alvarez, G.M.,* Hackman, D.A., **Muscatell, K. A.** *Pro-inflammatory correlates of neural responses to affective stimuli.* Poster presented at the Annual Meeting of the American Psychosomatic Society, Vancouver, BC, March 2019.
- Merritt, C.C.*, Jenkins, A., Hsu, M., Mendes, W.B., **Muscatell, K.A.** *Racism-related vigilance in cross-race social feedback: The role of perceived discrimination and inflammation.* Poster presented at the Annual Meeting of the American Psychosomatic Society, Vancouver, BC, March 2019.
- MacCormack, J. K.,* Gaudier-Diaz, M. M.,* Armstrong-Carter, E. L.,* Arevalo, J. M. G., Meltzer-Brody, S., Sloan, E. K., Cole, S. W., & **Muscatell, K. A.** *Beta-adrenergic blockade blunts inflammatory and antiviral/antibody gene expression responses to acute social stress.* Paper presented at the Annual Meeting of the American Psychosomatic Society, Vancouver, BC, March 2019.
- MacCormack, J. K.,* Armstrong-Carter, E. L.,* Gaudier-Diaz, M. M.,* Meltzer-Brody, S., Lindquist, K. A., & **Muscatell, K. A.** *(De)constructing stress: Sympathetic blockade effects on acute stress physiology and experience.* Talk presented at the Society for Personality and Social Psychology Emotion Preconference, Portland, OR, February 2019.
- MacCormack, J. K.,* Armstrong-Carter, E. L.,* Gaudier-Diaz, M. M.,* Meltzer-Brody, S., Lindquist, K. A., & **Muscatell, K. A.** *(De)constructing stress: Sympathetic blockade effects on acute stress physiology and experience.* Poster presented at the Annual Meeting of the Society for Personality and Social Psychology, Portland, OR, February 2019.
- Gaudier-Diaz, M.M.,* MacCormack, J.K.,* Armstrong-Carter, E.,* Meltzer-Brody, E., Lindquist, K.A., & **Muscatell, K.A.** *Effects of propranolol on cortisol, alpha-amylase, and circulating interleukin-6 following a social stress task.* Poster presented at the Society for Neuroscience Conference, San Diego, CA, November 2018.
- MacCormack, J. K.,* Armstrong-Carter, E.,* Gaudier-Diaz, M.M.,* Meltzer-Brody, S., Lindquist, K. A., & **Muscatell, K. A.** *Physiology in context: Sympathetic blockade alters psychological and physiological responses to acute social stress.* Talk presented at the Annual Meeting of the Society of Southeastern Social Psychologists, Raleigh, NC, October 2018.
- Gaudier-Diaz, M.M.,* MacCormack, J.K.,* Armstrong-Carter, E.,* Meltzer-Brody, S., Lindquist, K.A. & **Muscatell, K.A.** *Effects of propranolol on cortisol, alpha-amylase, and circulating interleukin-6 following a social stress task.* Poster presented at the Institutional Research and Academic Career Development Award Conference, Atlanta, GA, July 2018.
- MacCormack, J. K.,* Armstrong-Carter, E. L.,* Meltzer-Brody, S., Lindquist, K. A., & **Muscatell, K.A.** *Arousal, awareness, or appraisal? A double-blind study with propranolol comparing the relative roles of sympathetic activation, interoception, and appraisals in emotion experience.* Poster presented at the Society for Affective Science, Los Angeles, CA, April 2018.

- Armstrong-Carter, E.,* Humphreys, K.L., MacCormack, J.K.,* Meltzer-Brody, S., Lindquist, K.A., & **Muscatell, K.A.** *Beta adrenergic blockade impairs performance on an emotional learning task.* Talk given at the Annual Meeting of the American Psychosomatic Society, Louisville, KY, March 2018.
- MacCormack, J.K.,* Armstrong-Carter, E.,* Meltzer-Brody, S., Lindquist, K.A., & **Muscatell, K.A.** *Arousal, awareness, or appraisal? A double-blind study with propranolol comparing the relative roles of sympathetic activation, interoception, and appraisals in affective responses to stress.* Citation Poster presentation given at the Annual Meeting of the American Psychosomatic Society, Louisville, KY, March 2018.
- Alvarez, G.M,* MacCormack, J.K.,* Armstrong-Carter, E.,* Meltzer-Brody, S., Lindquist, K.A., & **Muscatell, K.A.** *Beta-adrenergic receptor blockade reduces anticipatory threat only for individuals with low levels of depressive symptoms.* Poster presentation given at the Annual Meeting of the American Psychosomatic Society, Louisville, KY, March 2018.
- Brosso, S.M.,* Findley, D.,* Henry, T., **Muscatell, K.A.**, & Fredrickson, B.L. *Transcutaneous vagus nerve stimulation increases emotion recognition.* Citation Poster presentation given at the Annual Meeting of the American Psychosomatic Society, Louisville, KY, March 2018.
- Muscatell, K. A.** *The social hierarchy of immunity: Linking SES and inflammation.* Symposium presentation given at the Annual Meeting of the Society for Experimental Social Psychology, Boston, MA, October 2017.
- Muscatell, K. A.** *Exposure to an inflammatory challenge enhances neural sensitivity to negative and positive social feedback.* Presentation given at the Annual Meeting of the American Psychosomatic Society, Seville, Spain, March 2017.
- Merritt, C.C.,* Browne, J., Nagendra, A., & **Muscatell, K. A.** *Correlates and consequences of social defeat: Implications for schizophrenia.* Poster presentation at Association for Behavioral and Cognitive Therapies: Special Interest Group on Schizophrenia and Other Serious Mental Illness, San Diego, CA, November 2017.
- Armstrong-Carter, E.,* **Muscatell, K.A.**, Lin, L., Ivory, S., & Telzer, E. H. *Adolescents' family assistance and diurnal cortisol.* Poster presented at the International Society for Developmental Psychobiology, Washington, DC, November 2017.
- Muscatell, K. A.** *The "dark side" of sociality: Neural and immune mechanisms linking social status and health.* Symposium talk given at the Annual Meeting of the Society for Experimental Social Psychology, Santa Monica, CA, October 2016.
- Muscatell, K. A.** *Links between inflammation, amygdala reactivity, and social support in breast cancer survivors.* Symposium talk given at the Annual Meeting of the American Psychosomatic Society, Denver, CO, March 2016.
- Muscatell, K. A.** *A missing piece of the puzzle of racial disparities in health.* Invited presentation given at the Annual Meeting of the Robert Wood Johnson Foundation Health and Society Scholars Program, Chapel Hill, NC, March 2015.

Muscatell, K. A. *Neurobiological consequences of social hierarchies*. Symposium talk given at the International Conference on Psychological Science, Amsterdam, The Netherlands, March 2015.

Muscatell, K. A. *Beyond disparities: Using social psychology to improve the health and academic performance of low SES individuals*. Invited presentation given at the Annual Meeting of the Robert Wood Johnson Foundation Health and Society Scholars Program, Detroit, MI, March 2014.

Muscatell, K. A. *Amygdala activity underlies bi-directional links between social evaluation and inflammation*. Symposium talk given at the Annual Meeting of the Association for Psychological Science, San Francisco, CA, May 2014.

Muscatell, K. A. *Neural predictors of inflammatory responses to social stress: Implications for mental health*. Invited presentation given at the UCSF Department of Psychiatry Grand Rounds, San Francisco, CA, March 2014.

Muscatell, K. A. & Eisenberger, N. I. *Social stress and the dorsomedial prefrontal cortex: The “dark side” of mentalizing?* Symposium talk given at the Annual Meeting of the Social and Affective Neuroscience Society, San Francisco, CA, 2013.

Muscatell, K. A., Dedovic, K., Jarcho, M. R., Slavich, G. M., Bower, J. E., Irwin, M. R., & Eisenberger, N. I. *Neural mechanisms linking social evaluation and inflammation: An fMRI study*. Symposium talk given at the Annual Meeting of the American Psychosomatic Society, Miami, FL, 2013.

TEACHING ACTIVITIES

Graduate Courses

Social Psychobiology (PSYC 868), Fall 2016, Spring 2019

Directed Seminar in Social Psychology (PSYC 860), Fall 2017, Fall 2019, Spring 2021

Undergraduate Courses

Social Neuroscience (PSYC 490; PSYC 571; NSCI 571), Fall 2016, Fall 2017, Spring 2018, Spring 2020

Neuropsychobiology of Stress (PSYC 490; NSCI 573), Spring 2019

Honors in Psychology and Neuroscience I (PSYC/NSCI 693H), Fall 2020

Honors in Psychology and Neuroscience II (PSYC/NSCI 694H), Spring 2020

Research-Related Skills (PSYC 395-299), Spring 2018

Dissertation Committees (Member)

Aya Avishai	UNC Psychology & Neuroscience, Social Psychology Program
Cameron Doyle	UNC Psychology & Neuroscience, Social Psychology Program
Melissa Grimes	UNC Psychology & Neuroscience, Developmental Psychology Program
Sarah Glier	UNC Biological & Biomedical Sciences Program, Neuroscience Curriculum
Amelia Goranson	UNC Psychology & Neuroscience, Social Psychology Program
Jason Hannay	UNC Psychology & Neuroscience, Social Psychology Program
Samantha Hellberg	UNC Psychology & Neuroscience, Clinical Psychology Program
Suzannah Isgett	UNC Psychology & Neuroscience, Social Psychology Program

Seh-Joo Kwon	UNC Psychology & Neuroscience, Developmental Psychology Program
Stephanie Langella	UNC Psychology & Neuroscience, Cognitive Psychology Program
Kent Lee	UNC Psychology & Neuroscience, Social Psychology Program
Jennifer MacCormack	UNC Psychology & Neuroscience, Social Psychology Program
Arundati Nagendra	UNC Psychology & Neuroscience, Clinical Psychology Program
Khoa Nguyen	UNC Psychology & Neuroscience, Social Psychology Program
Shveta Parekh	UNC Psychology & Neuroscience, Behavioral and Integrative Neuroscience Program
Marc Rudolph	UNC Psychology & Neuroscience, Cognitive Psychology Program
Becky Salomon	UNC School of Nursing
Effua Sosso	UNC Psychology & Neuroscience, Clinical Psychology Program
Holly Schablack	UNC Psychology & Neuroscience, Social Psychology Program
Anais Rodriguez-Thompson	UNC Psychology & Neuroscience, Clinical Psychology Program
Katie Thompson	UNC Psychology & Neuroscience, Clinical Psychology Program
Emily Witt	UNC Psychology & Neuroscience, Behavioral and Integrative Neuroscience Program

Masters Committees (Chair/Co-Chair)

Gabriella Alvarez	<i>Previous exposure to racial discrimination and current affective context modulate Black individuals' neural reactivity to White faces.</i> UNC Psychology & Neuroscience, Social Psychology Program
Manuel Galvan	<i>What does subjective socioeconomic status measure and why does it predict health so well?</i> UNC Psychology & Neuroscience, Social Psychology Program

Masters Committees (Member)

Aya Avishai	UNC Psychology & Neuroscience, Social Psychology Program
Mallory Feldman	UNC Psychology & Neuroscience, Social Psychology Program
David Findley	UNC Psychology & Neuroscience, Social Psychology Program
Jason Hannay	UNC Psychology & Neuroscience, Social Psychology Program
April Highlander	UNC Psychology & Neuroscience, Clinical Psychology Program
Tatum Jolink	UNC Psychology & Neuroscience, Social Psychology Program
Joseph Leshin	UNC Psychology & Neuroscience, Social Psychology Program
Lucy Lurie	UNC Psychology & Neuroscience, Clinical Psychology Program
Jennifer MacCormack	UNC Psychology & Neuroscience, Social Psychology Program
Maya Massing-Schaffer	UNC Psychology & Neuroscience, Clinical Psychology Program
Carrington Merritt	UNC Psychology & Neuroscience, Clinical/Social Dual Program
Khoa Nguyen	UNC Psychology & Neuroscience, Social Psychology Program
Rachel Phillips	UNC Psychology & Neuroscience, Clinical Psychology Program
Marc Rudolph	UNC Psychology & Neuroscience, Cognitive Psychology Program
Henry Willis	UNC Psychology & Neuroscience, Clinical Psychology Program

Comprehensive Exam Committees (Member)

Gabriella Alvarez	UNC Psychology & Neuroscience, Social Psychology Program
Tatum Jolink	UNC Psychology & Neuroscience, Social Psychology Program

Seh-Joo Kwon UNC Psychology & Neuroscience, Developmental Psychology Program
 Khoa Nguyen UNC Psychology & Neuroscience, Social Psychology Program
 Marc Rudolph UNC Psychology & Neuroscience, Cognitive Psychology Program
 Amanda Wiley UNC Psychology & Neuroscience, Developmental Psychology Program

Honors Theses (Chaired/Supervised)

Emmie Banks *Physiology of the Moral Mind: The Roles of the Sympathetic Nervous System and Immune System in Moral Judgments* (2017-2018)
 Emily Huber *Social Belongingness as a Predictor of Physiological and Psychological Responses to Exam Stress* (2020-2021)
 Carrington Merritt *A Physiological and Behavioral Investigation of the Role of Racism-Related Vigilance in Cross-Race Social Feedback* (2017-2018)
 Saif Meyhar *Neural Correlates of Economic Inequality-Induced Increases in Risky Decision Making* (2017-2018)
 Hasan Mustafic *Suppressing Sympathetic Nervous System Activity and Appraisals of Stress: Implications for Depression* (2016-2017)
 Sinclair Scales *Race-Related Rejection Sensitivity and Detection of Emotion on Faces* (2019-2020)
 Ellie Wallace *Self-Disclosure and Liking Across Groups* (2017-2018)
 ** Winner of the Dashiell-Thurstone Prize for best senior honors thesis

Honors Thesis Committee (Member)

Adwoa Baffoe-Bonnie (2021)
 Katherine Fesperman (2021)
 Natalie Hussein (2022)
 Joanna Kuang (2021)
 Jenna Perry (2017)
 Katie Reiter-Lavery (2018)
 Glorimel Rodriguez (2022)
 Sydney Russell (2021)
 Curtis Smith (2021)
 Kelsey Smith (2020)
 Ashima Varma (2018)

Undergraduate Independent Research Supervised

IDST 395: Emily Huber, Harshi Matada, Matthew Davis, Kat Liner
Psychology 395: Jenah Freeman, Varun Kasula, Anna Wears, Luyang Jia, Emmie Banks, Ellie Wallace, Samantha Brosso, Lillian Dillard, Emily Huber, Anthony Lane, Joe Thompson, El Russell
Neuroscience 395: Sonam Shah
McNair Scholars Program: Carrington Merritt, Joe Thompson
Science and Math Achievement and Resourcefulness Track (SMART) program: Kate Giffin
J. Steven Reznick Diversity and Psychological Research Grant: Carrington Merritt
Accelerated Research Scholars program: Luke Nguyen

PROFESSIONAL SERVICE

Editorial Board Membership

Affective Science
Annals of Behavioral Medicine
Frontiers in Human Neuroscience, Cognitive Neuroscience section, Health section

Ad Hoc Reviewer, Journals (* indicates multiple reviews)

Annals of the New York Academy of Sciences
Biological Psychiatry*
Brain, Behavior, and Immunity*
Brain and Cognition
Cerebral Cortex*
Cognition and Emotion
Cognitive, Affective, and Behavioral Neuroscience
Cultural Diversity and Ethnic Minority Psychology
Current Directions in Psychological Science
Healthy Psychology*
Human Brain Mapping*
International Journal of Behavioral Medicine*
Journal of Abnormal Psychology
Journal of Affective Disorders
Journal of Health and Social Behavior
NeuroImage*
NeuroImage: Clinical
Neuropsychologia
Neuroscience and Biobehavioral Reviews*
PLoS One*
Personality and Social Psychology Review
Physiology and Behavior*
Proceedings of the National Academy of Sciences
Psychological Review
Psychological Science*
Psychoneuroendocrinology*
Psychosomatic Medicine*
Scientific Reports
Social Cognitive and Affective Neuroscience*
Social Neuroscience
Stress and Health

Grant Review Panels

National Institute of Health: Social, Personality, and Interpersonal Processes (SPIP) study section (Spring 2020)
National Institute of Health: Brain Disorders and Clinical Neuroscience (BDCN) study section (Summer 2020)

Ad Hoc Reviewer, Grants

National Science Foundation
Wellcome Trust Sir Henry David Fellowship

U.S.-Israel Binational Science Foundation

Service to Professional Organizations

- 2021- Membership Committee, PsychoNeuroImmunology Research Society
- 2021- Council Member, American Psychosomatic Society
- 2020- Conference Organizer, Social Personality and Health Preconference, Society for Personality and Social Psychology
- 2019 Strategic Planning Committee, *Psychosomatic Medicine*
- 2018- Executive Committee, Social Personality Health Network, Society for Personality and Social Psychology
- 2018-2020 Program Committee, American Psychosomatic Society
- 2017-2020 Conference Organizer, Emotion Preconference, Society for Personality and Social Psychology
- 2017-2019 Membership Committee, Interdisciplinary Association for Population Health Science
- 2018 Poster Award Judge, Society for Affective Science annual meeting
- 2017 Abstract Reviewer, Society for Personality and Social Psychology annual meeting
- 2016 Abstract Reviewer, Society for Southeastern Social Psychology annual meeting

Institutional and Departmental Service

- 2021- Director of Diversity Initiatives, Department of Psychology and Neuroscience, UNC
- 2021- Mentor, Carolina Covenant Program, UNC
- 2020- Co-Chair, Diversity, Equity, and Inclusion Leadership Committee, Department of Psychology and Neuroscience, UNC
- 2019- Co-Chair, Undergraduate Honors Committee, Department of Psychology and Neuroscience, UNC
- 2019- Faculty Liaison, Steven J. Reznick Grant for Diversity in Psychological Research
- 2019-2020 Member, Carolina Consortium on Human Development Committee
- 2018- Member, Departmental Diversity Committee, Department of Psychology and Neuroscience, UNC
- 2018- Member, Advisory Committee to the Chair, Department of Psychology and Neuroscience, UNC
- 2018- Faculty Advisor, Psi Chi, Department of Psychology and Neuroscience, UNC
- 2017- Library Liaison, Department of Psychology and Neuroscience, UNC
- 2018 Panelist, "Women in Science" Panel, Department of Psychology and Neuroscience, UNC
- 2018 Poster Award Judge, UNC Women in Science Symposium
- 2018 Reviewer, applications to the Seeding Postdoctoral Innovators in Research and Education Program, UNC
- 2018 Reviewer, Graduate Summer Research Fellowships, Department of Psychology and Neuroscience, UNC
- 2018 Reviewer, NC TRaCS Junior Faculty Development Award (KL2)
- 2017 Reviewer, Stephenson and Lindquist Awards, Department of Psychology and Neuroscience, UNC

- 2016 Reviewer, Marci K. Campbell Dissertation Award, Lineberger Comprehensive Cancer Center, UNC
- 2016 Organizer and Panelist, “Navigating the Academic Job Market” Workshop, Department of Psychology and Neuroscience, UNC

Public Service and Community Outreach

- 2022 Invited speaker, TEDx Reno
- 2020 Invited speaker, RTP180 (TED-style speaking event at Research Triangle Park)
- 2019 Invited panelist, Ackland Art Museum and Stigma Free Carolina discussion of “She Who Tells a Story”
- 2019 UNC Science Expo, table and research demonstration
- 2018 UNC Public Humanities, public lecture at Flyleaf Books
- 2018 UNC Science Expo, table and research demonstration
- 2017 UNC Science Expo, table and research demonstration
- 2017 UNC Office for Diversity and Inclusion Project Uplift, laboratory visit and research demonstration
- 2017 Morehead After School Exploration Program, laboratory visit and research demonstration