

Elizabeth Reynolds Losin
Curriculum Vitae
July 2025

Department of Biobehavioral Health
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ACADEMIC POSITIONS

***Bennett Pierce Associate Professor of Caring & Compassion in Adulthood and Aging
(March 2023-Present)***

Director, Social and Cultural Neuroscience Lab

Graduate Faculty, Huck Neuroscience Ph.D. Program

Graduate Faculty, Doctoral Dual-title Program in Social Behavioral Neuroscience

Affiliate Faculty, Center for Human Evolution and Diversity

The Pennsylvania State University
Department of Biobehavioral Health

***Associate Professor of Family and Community Medicine
(November 2023-Present)***

The Pennsylvania State University College of Medicine

Assistant Professor (January 2015-February 2023)

Director, Social and Cultural Neuroscience Lab

University of Miami
Department of Psychology

Postdoctoral Associate (Fall 2012-Fall 2014)

University of Colorado at Boulder
Institute of Cognitive Science & Department of Psychology and Neuroscience
Advisor: Tor Wager, Ph.D.
Research Focus: Sociocultural influences on pain, multivariate fMRI analysis

Postbaccalaureate Research Associate (2005-2006)

University of California, Davis
Center for Mind and Brain
Supervisors: Dr. Susan Rivera & Dr. Joseph Pinter
Research Focus: Neural correlates of language deficits in Down syndrome

EDUCATION

Doctorate (2006-2012)

University of California, Los Angeles
Interdepartmental Neuroscience Program & Culture, Brain and Development Program
Dissertation: Exploring the Neural Architecture of Cultural Imitative Learning

Committee: Mirella Dapretto, Ph.D. (Chair); Marco Iacoboni M.D., Ph.D.; Naomi Eisenberger, Ph.D.; Clark Barrett, Ph.D.

Funding: National Science Foundation Graduate Research Fellowship, Culture Brain and Development Traineeship, Neuroimaging Training Program NIH Institutional NRSA (T32), UCLA Dissertation Year Fellowship

Bachelor's with Highest Honors (2001-2005)

Emory University

Majors: Neuroscience and Behavioral Biology, Anthropology

Honors Thesis: Oro-facial Asymmetry of Voluntary and Involuntary Vocal Signals in Captive Chimpanzees (*Pan troglodytes*)

Advisors: William Hopkins, Ph.D.; Frans de Waal, Ph.D.; Joseph Henrich, Ph.D.

Funding: Robert W. Woodruff Scholarship

PEER-REVIEWED PUBLICATIONS

Dr. Losin and her students are in **bold**

1. Peoples, J, Tanner, J. J., Bartley, E. J., Domenico, L.H., Gonzalez, C. E., **Cardoso, J. S.**, Lopez-Quintero, C., **Losin, E. A. R.**, Staud, R., Goodin, B. R., Fillingim, R. B., Terry, E. L. (2024) Association of neighborhood-level disadvantage beyond individual sociodemographic factors in patients with or at risk of knee osteoarthritis. *BMC Musculoskelet Disord* 25, 887 (2024). <https://doi.org/10.1186/s12891-024-08007-7>.
2. Kapos, F. P., Craig, K. D., Anderson, S. R., Bernardes, S. F., Hirsh, A. T., Karos, K., Keogh, E., **Losin, E. A. R.**, McPharland, J.L., Moore, D. J, & Ashton-James, C. E. (2024). Social Determinants and Consequences of Pain: Towards Multilevel, Intersectional, and Life Course Perspectives. *The Journal of Pain*, 104608.
3. **Gim S**, Hong S-J, **Losin EAR**, Woo C-W (2024) Spatiotemporal integration of contextual and sensory information within the cortical hierarchy in human pain experience. *PLoS Biol* 22(11): e3002910. <https://doi.org/10.1371/journal.pbio.3002910>
4. **Gianola, M.**, Llabre, M. M., & **Losin, E. A. R.** (2024). Language Dominance and Cultural Identity Predict Variation in Self-Reported Personality in English and Spanish Among Hispanic/Latino Bilingual Adults. *Journal of Personality Assessment*, 1–13. <https://doi.org/10.1080/00223891.2024.2416412>
5. **Gianola, M.**, Llabre, M., **Losin, E. A. R.** (2024) Does pain hurt more in Spanish? The Neurobiology of Pain among Spanish-English Bilingual Adults. *Social, Cognitive and Affective Neuroscience*, Volume 19, Issue 1, 2024, nsad074, <https://doi.org/10.1093/scan/nsad074>
6. Kim, J., Andrews-Hanna, J., Eisenbarth, H, Kim, B., Kim, H. J., Lindquist, M. A., **Losin, E. A. R.**, Wager, T. D., Woo, C-W. (2023). A dorsomedial prefrontal cortex-based dynamic functional connectivity marker for rumination. *Nature Communications* 14, 3540 (2023). <https://doi.org/10.1038/s41467-023-39142-9>
7. **Anderson, S.R.**, **Gianola, M.**, **Medina, N.A.**, **Perry, J.M.**, Wager, T.D., **Losin, E. A. R.** (2022). Doctor trustworthiness reduces pain and its neural correlates in virtual medical interactions. *Cerebral Cortex*. <https://doi.org/10.1093/cercor/bhac281>

8. Petre, B., Kragel, P., Atlas, L. Y., Geuter, S., Jempa, M., Koban, L., Krishnan, A., Lopez-Sola, M., **Losin, E.A.R.**, Roy, M., Woo, C-W. & Wager, T.D. (2022). A multistudy analysis reveals that evoked pain intensity representation is distributed across brain systems. *PLoS Biology*. 2;20(5):e3001620. doi: 10.1371/journal.pbio.3001620.
9. **Anderson, S. R.**, Han, S., Li, W., **Losin, E. A. R.** (2021) Expressive suppression decreases empathic neural responses to pain. *Cognitive Affective and Behavioral Neuroscience*. <https://doi.org/10.3758/s13415-021-00873-1>
10. **Zhang, L, Losin, E. A. R.**, Ashar, Y. K., Koban, L., Wager, T. D. (2021). Gender biases in estimation of others' pain. *Journal of Pain*. <https://doi.org/10.1016/j.jpain.2021.03.001>
11. **Anderson, S. R.**, Witkin, J. E., Bolt, T., Llabre, M., **Losin, E. A. R.** (2021). Delineating region and network-level mechanisms underlying the relationship between everyday pain and cognitive performance. *Neuropsychologia*. <https://doi.org/10.1016/j.neuropsychologia.2021.107766>
12. Han, X., Atlas, L Y., Koban, L., **Losin, E. A. R.**, Roy, M., Woo, C-W, Wager, T. D. (2021) Effect size and reliability of the Neurologic Pain Signature. *Neuroimage*. <https://doi.org/10.1016/j.neuroimage.2021.118844>
13. Singh, A. Westlin, C., Eisenbarth, H., **Losin, E. A. R.**, Andrews-Hanna, J. R., Wager, T. D., Satpute, A. B, Barrett, L. F. Brooks, D., Erdogmus, D. (2021). Variation is the norm: Brain state dynamics evoked by emotional video clips. *Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society*. DOI: 10.1109/EMBC46164.2021.9630852
14. Andrews-Hannah, J. R., Woo, C-W, Wilcox, R., Eisenbarth, H., **Losin, E. A. R.**, Wager, T. D. (2021). The conceptual building blocks of everyday thought: Tracking the emergence and dynamics of ruminative and non-ruminative thinking. *Journal of Experimental Psychology: General*. <https://doi.org/10.1037/xge0001096>
15. **Gianola, M.**, Llabre, M., **Yepes, B.**, **Losin, E. A. R.** (2020) Effects of Language Context and Cultural Identity on the Pain Experience of Spanish-English Bilinguals: A Within-Subjects Design. *Affective Science*. <https://doi.org/10.1007/s42761-020-00021-x>
16. **Gianola, M.**, **Yepes, B.**, **Losin, E. A. R.** (2020). Characterization of Cultural Priming Images for the Activation of Hispanic and US American Cultural Reference Frames among Spanish-English Bilinguals in the United States. *Social Psychology*. 0(0), 1-18. <https://doi.org/10.1027/1864-9335/a000426>
17. **Anderson, S. R.**, **Gianola, M.**, **Perry, J. M.**, **Medina, N. A.**, **Losin, E. A. R.** (2020) Doctor-patient racial/ethnic concordance predicts pain: Evidence from simulated clinical interactions. *Pain Medicine*. pnaa258, 00(00), 1-17. <https://doi.org/10.1093/pm/pnaa258>
18. Goldstein, P., **Losin, E. A. R.**, Wager, T. D. (2020) Clinician-patient movement synchrony mediates social group effects on pain assessment and trust. *Journal of Pain*. 00(00), 1-15. <https://doi.org/10.1016/j.jpain.2020.03.001>
19. Geuter, S., **Losin, E. A. R.**, Roy, M., Atlas, L. Y., Schmidt, L., Krishnan, A., Koban, L., Wager, T. D., Lindquist, M. A. (2020). Multiple brain networks mediating stimulus-pain relationships in humans. *Cerebral Cortex*. <https://doi.org/10.1093/cercor/bhaa04>.
20. Bainter, S. A., McCaulley, T. G., Wager, T. D., **Losin, E. A. R.** (2020). Improving practices for selecting a subset of important predictors in psychology: An application to predicting

- pain. *Advances in Methods and Practices in Psychological Science*.
<https://doi.org/10.1177/2515245919885617>
21. **Losin, E. A. R.**, Woo, Chong-Wan, **Medina, N.A.**, Eisenbarth, H., Andrews-Hannah, J., Wager, T. D. (2020). Psychological and neural mediators of ethnic differences in pain. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-020-0819-8>.
 22. Kragel, P. A., Kano M., Van Oudenhove, L., Ly, H. G., Dupont, P., Rubio, A, Delon-Martin, C., Bonaz, B. L., Manuck, S. B., Gianaros, P. J., Ceko, M., **Losin, E. A. R.**, Woo, C. W., Nichols, T., Wager, T. D. (2018). Generalizable representations of pain, cognitive control, and negative emotion in medial frontal cortex. *Nature Neuroscience*.
<https://doi.org/10.1038/s41593-017-0051-7>.
 23. **Billingsley, J.**, **Losin, E. A. R.** (2017). Evolutionary psychology and the neuroscience of forgiveness. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2017.00737>
 24. **Losin, E. A. R.**, Anderson, S. R., Wager, T. D. (2017). Feelings of clinician-patient similarity and trust influence pain: Evidence from simulated clinical interactions. *Journal of Pain*. <https://doi.org/10.1016/j.jpain.2017.02.428>
 25. **Losin, E. A. R.** (2017). Culture, brain and health: Introduction to the special issue. *Culture and Brain*. <https://doi.org/10.1007/s40167-017-0049-8>
 26. **Anderson, S. R.**, **Losin, E. A. R.** (2016). A socio-cultural neuroscience approach to pain. *Culture and Brain*. <https://doi.org/10.1007/s40167-016-0037-4>.
 27. Lindquist, M. A., Lopez-Sola, M., Krishnan, A., Jepma, M., Woo, C. W., Roy, M., Atlas, L., Chang, L. J., **Losin, E. A. R.**, Eisenbarth, H., Ashar, Y. K., Koban, L., Delk, E., Wager, T. D. (2015). Group-regularized individual prediction: Theory and application to pain. *NeuroImage*. <https://doi.org/10.1016/j.neuroimage.2015.10.074>
 28. **Losin, E. A. R.**, Woo, C. W., Krishnan, A., Wager, T. D., Iacoboni, M., Dapretto, M. (2015). Brain and psychological mediators of imitation: Physical versus sociocultural traits. *Culture and Brain*. 3: 93-111. <https://doi.org/10.1007/s40167-015-0029-9>
 29. Cross, K. A., Torrisi, S., **Losin, E. A. R.**, Iacoboni, M. (2013). Controlling automatic imitative tendencies: Interactions between cognitive control and mirror neuron systems. *Neuroimage*. 83: 493-504. <https://doi.org/10.1016/j.neuroimage.2013.06.060>.
 30. **Losin, E. A. R.**, Iacoboni, M., Cross, K., Dapretto, M. (2013). Neural processing of race during imitation: Self-similarity versus social status. *Human Brain Mapping*. <https://doi.org/10.1002/hbm.22287>
 31. **Losin, E. A. R.**, Iacoboni, M., Martin, A., Dapretto, M. (2012a). Own-gender imitation activates the brain's reward circuitry. *Social Cognitive and Affective Neuroscience*, 7, 804-810. <https://doi.org/10.1093/scan/nsr055>
 32. **Losin, E. A. R.**, Iacoboni, M., Martin, A., Dapretto, M. (2012b). Race modulates neural activity during imitation. *NeuroImage*, 59, 3594-3603.
<https://doi.org/10.1016/j.neuroimage.2011.10.074>
 33. **Losin, E. A. R.**, Dapretto, M., Iacoboni, M. (2010). Culture and neuroscience: Additive or synergistic? *Social Cognitive and Affective Neuroscience*, 5, 148-158.
<https://doi.org/10.1093/scan/nsp058>
 34. **Losin, E. A. R.**, Dapretto, M., Iacoboni, M. (2009). Culture in the mind's mirror: How anthropology and neuroscience can inform a model of the neural substrate for cultural

imitative learning. *Progress in Brain Research*, 178, 175-90. [https://doi.org/10.1016/S0079-6123\(09\)17812-3](https://doi.org/10.1016/S0079-6123(09)17812-3)

35. **Losin, E. A. R.**, Rivera, S. M., O'Hare E. D., Sowell, E. R., Pinter, J. D. (2009) Abnormal fMRI activation pattern during story listening in individuals with Down syndrome. *American Journal of Intellectual and Developmental Disability*, 114(5), 369-80. <https://doi.org/10.1352/1944-7558-114.5.369>
36. **Losin, E. A. R.**, Russell J. L., Freeman H., Meguerditchian A., Hopkins W. D. (2008). Left hemisphere specialization for oro-facial movements of learned vocal signals by captive chimpanzees. *PLoS ONE*, 3(6): e2529. <https://doi.org/10.1371/journal.pone.0002529>
37. Hopkins, W. D., Russell, J. L., Freeman, H., **Reynolds, E. A.**, Griffis, C., Leavens, D. A. (2006). Lateralized scratching in chimpanzees (*Pan troglodytes*): Evidence of a functional asymmetry during arousal. *Emotion*, 6(4), 553-9. <https://doi.org/10.1037/1528-3542.6.4.553>
38. Hopkins, W. D., Russell, J., Freeman, H., Buehler, N., **Reynolds, E.**, Schapiro, S. (2005). The distribution and development of handedness for manual gestures in captive chimpanzees (*Pan troglodytes*). *Psychological Science*, 16(6), 487-493. <https://doi.org/10.1111/j.0956-7976.2005.01561.x>

BOOK CHAPTERS

Gianola, M., Losin, E. A. R. (2021) The cultural neuroscience of imitative learning. In Chiao, J. Y., & Li, S.-C, Turner, R., Lee-Tauler, Su Yeon. Pringle, B. (Eds.), *Oxford Handbook of Cultural Neuroscience and Global Mental Health*. Oxford University Press. DOI: 10.1093/oxfordhb/9780190057695.013.17

MANUSCRIPTS UNDER REVIEW AND IN REVISION

1. Kwon, M., Bo, K., Botvinik-Nezer, R., Kragel, P.A., Oudenhove, L.V., Wager, T. D., **The Affective Neuroimaging Consortium**. Convergent and selective representations of pain, appetitive processes, aversive processes, and cognitive control in the insula.

MANUSCRIPTS IN PREPARATION

1. **Gim, S., Amini, M.**, Woo, C-W, Wager, T. D., **Losin, E. A. R.** (In Preparation). Neural and sociocultural mediators of gender differences in pain.
2. **Losin, E. A. R., Varoudaki, T. Z., Medina, N. A.** (In Preparation). Perceptions of facial competence, warmth, and trustworthiness predict clinician preference.
3. **Losin, E. A. R., Snider, M., Perry, J. M.** (In Preparation) Development and validation of a new video stimulus set for studying demographic biases in pain assessment and treatment.
4. **Losin, E. A. R.***, Bainter, S. A.*, Wager, T. D. (In Preparation). A multivariate model of behavioral and neural predictors of pain.

SCIENTIFIC MEETING TALKS

- Losin, E. A. R.** (2024) *Psychological and neurobiological mechanisms of sex and gender differences in pain and pain treatment*. Talk given at the annual meeting of the Social and Affective Neuroscience Society, Toronto, CA.
- Losin, E. A. R.** (2024) *Sociocultural and neurobiological mechanisms of gender differences in pain*. Talk given at the United States Association for the Study of Pain Annual Meeting Sex Differences Special Interest Group, Seattle, WA.
- Losin, E. A. R.** (2023) *Sociocultural and neurobiological mechanisms of gender differences in pain*. Talk given at the Penn State Annual Addiction Symposium.
- Losin, E. A. R.** (2023) *The doctor-patient relationship and pain disparities: Sociocultural and neural mechanisms*. Talk given at the annual meeting of the US Association for the Study of Pain meeting.
- Losin, E. A. R., Varoudaki, T. Z.** (2022) *Sociocultural mechanisms underlying disparities in pain assessment and treatment during telemedicine*. Talk given at the 17th Annual NIH Pain Consortium Symposium.
- Losin, E. A. R.** (2021) *The cultural neuroscience of pain*. Talk given at monthly Veterans Health Administration Pain Research Working Group.
- Losin, E. A. R.** (2021) *The cultural neuroscience of pain*. Talk given at the International Association for the Study of Pain, Pain Research Forum.
- Losin, E. A. R.** (2021) *Neuroimaging sociocultural modulation of pain*. Talk given at the annual meeting of the Florida Consortium on the Neurobiology of Cognition.
- Losin, E. A. R.** (2021) *The doctor-patient relationship and pain: Sociocultural and neural mechanisms*. Talk given at the annual meeting of the Society for Interdisciplinary Placebo Studies.
- Losin, E. A. R., Wager T. D.** (2020) *Neural and sociocultural mediators of ethnic differences in pain*. Talk given at the Targeting Neuroinflammation to Combat Pathological Pain in Neurodegenerative Diseases and Chronic Pain Syndromes meeting.
- Losin, E. A. R.** (2020) *The cultural neuroscience of pain*. Talk given at the annual meeting of the International Cultural Neuroscience Society.
- Losin, E. A. R., Anderson, S. R., Wager, T. D., Gianola, M., Medina, N. A., Perry, J. M.** (2020) *Doctor Trustworthiness reduces pain and its neural correlates in virtual medical interactions*. Talk given at annual meeting of the Organization of Human Brain Mapping.
- Anderson, S. R., Losin, E. A. R., Wager, T. D., Gianola, M., Medina, N. A., Perry, J. M.** (2020/2021) *Doctor Trustworthiness reduces pain and its neural correlates in virtual medical interactions*. Talk to have been given at 2020 annual meeting of the Social and Affective Neuroscience Society, postponed due to COVID-19 pandemic and given in 2021.
- Losin, E. A. R., Woo, Chong-Wan, Medina, N.A., Anderson, S. R., Snider, M., Wager, T. D.** (2019). *Sociocultural and neural mechanisms of ethnic disparities in pain and pain treatment*. Talk given at the annual meeting of the American Pain Society, Milwaukee, WI.
- Bainter, S. A., McCauley, M. A., Losin, E. A. R.** (2018). *Bayesian variable selection to identify important predictors*. Talk given at the annual meeting of the Association for Psychological Science, San Francisco, CA.

- Bainter, S. A., McCauley, M. A., & Losin, E. A. R. (2018). *Identifying Relevant Predictors in Messy Psychological Data*. Paper presented at the annual meeting of the Psychometric Society, New York, NY.
- Losin, E. A. R., Medina, N. A., Anderson, S. R., Wager, T. D. (2016). *A sociocultural neuroscience approach to understanding ethnic differences in pain report*. Invited talk given at the meeting of Society for Experimental Social Psychology, Los Angeles, CA.
- Losin, E. A. R., Medina, N. A., Eisenbarth, H., Andrews-Hannah, J., Delk, E., Wager, T. D. (2016). *Psychological and neural mechanisms underlying ethnic differences in pain report*. Talk given at the meeting of Social and Affective Neuroscience, New York, NY.
- Losin, E. A. R. (2016). *Sociocultural influences on pain perception: A cultural neuroscience approach*. Talk given at Pomona Translational Cultural Neuroscience meeting, Claremont, CA.
- Losin, E. A. R., Krishnan, A., Dapretto, M., Iacoboni, M., Wager, T. D. (2014). *A neuroimaging approach to understanding the contributions of multiple social categories to cultural learning biases*. Talk given at meeting of International Cultural Neuroscience, Ann Arbor, MI.
- Losin, E. A. R., Iacoboni, M., Dapretto, M. (2013). *Mapping the neural mechanisms of cultural acquisition: Insights into cultural development*. Talk given at meeting of Jean Piaget Society, Chicago, IL.
- Losin, E. A. R., Iacoboni, M., Dapretto, M. (2013). *Elucidating the neural mechanisms of cultural learning biases*. Talk given at meeting of International Cultural Neuroscience Consortium meeting, Evanston, IL.
- Losin, E. A. R., Iacoboni, M., Dapretto, M. (2012). *Race-related amygdala activity exhibits an ingroup bias during passive face viewing*. Talk given at meeting of Social and Affective Neuroscience, New York, NY.
- Losin, E. A. R., Iacoboni, M., Dapretto, M. (2011). *Action alters perception: how imitation alters the neural encoding of race*. Talk given at meeting of Society for Neuroscience meeting, Washington, D. C.
- Losin, E. A. R., Iacoboni, M., Dapretto, M. (2011). *Neural mechanisms of cultural learning: imitative biases for gender and race*. Talk given at meeting of University of Michigan Center for Culture, Mind, and Brain, Ann Arbor, MI.
- Losin, E. A. R., Iacoboni, M., Martin, A., Dapretto, M. (2010). *Answering the 'other' question in cultural neuroscience: Theory and data on how culture gets into the brain*. Talk given meeting of Social and Affective Neuroscience meeting, Chicago, IL.

INVITED COLLOQUIA

- Losin, E. A. R. (2024). "Psychological and neurobiological mechanisms of sex and gender differences in pain and pain treatment," Annual Meeting of the Social and Affective Neuroscience Society, Toronto, Canada.
- Losin, E. A. R. (2024). "Sociocultural and neurobiological mechanisms of gender differences in pain," United States Association for the Study of Pain Annual Meeting Sex Differences

Special Interest Group, Seattle, Washington, U.S.A.

- Losin, E. A. R.** (2024). "The doctor-patient relationship and pain disparities: Sociocultural and neural mechanisms," National Institutes of Health Pain Special Interest Group, Bethesda, Maryland, U.S.A.
- Losin, E. A. R.** (2024). "The doctor-patient relationship and pain disparities: Sociocultural and neural mechanisms," Penn State Department of Biobehavioral Health Colloquium, The Pennsylvania State University, University Park.
- Losin, E. A. R.** (2023) *Sociocultural and brain mechanisms underlying gender differences in pain*. Invited talk given at the Penn State Sex Differences Special Interest Group colloquium series.
- Losin, E. A. R.** (2023) *A neurobiological and sociocultural approach to understanding pain*. Invited talk given at the Penn State Neuroscience Institute's annual Neuroscience Retreat.
- Losin, E. A. R.** (2023) *A neurobiological and sociocultural approach to understanding pain*. Invited talk given at Penn State's Millenium Café talk series.
- Losin, E. A. R.** (2023) *The cultural neuroscience of pain*. Invited talk given at the Penn State Center for Brain, Behavior, and Cognition colloquium series.
- Losin, E. A. R.** (2022) *The sociocultural neuroscience of pain: Understanding the unequal burden of pain on women and Black American*. Invited talk given as part of the annual National Institutes of Health Stadtman Tenure-Track Investigators Search, National Institute on Minority Health and Health Disparities.
- Losin, E. A. R.** (2022) *The Cultural neuroscience of pain: Understanding pain disparities throughout the lifespan*. Invited job talk and chalk talk given as part of the annual National Institutes of Health Stadtman Tenure-Track Investigators Search, National Institute on Aging.
- Losin, E. A. R.** (2021). *The Cultural neuroscience of pain: How caring and compassion can reduce health disparities*. Invited talk given as part of the Penn State Bennett Pierce Professor in Caring and Compassion in Adulthood and Aging Faculty Search, University Park, PA.
- Losin, E. A. R.** (2021) *The Cultural Neuroscience of Pain: Understanding the Burden of Pain on Black Americans*. Invited talk given as part of the Rising to the Challenge Faculty Symposium, UCLA, Los Angeles, CA.
- Losin, E. A. R.** (2021) *The cultural neuroscience of pain*. Invited talk given at the Florida Atlantic University Neuroscience Seminar Series.
- Losin, E. A. R.** (2021) *The cultural neuroscience of pain*. Invited talk given at Bangor University Department of Psychology Colloquium Series.
- Losin, E. A. R., Wager T. D.** (2020) *Neural and sociocultural mediators of ethnic differences in pain*. Invited talk given at the Virtual Neuro Journal Club, a partnership between McGill University, University of Toronto and the Karolinska Institutet.
- Losin, E. A. R.** *A sociocultural neuroscience approach to understanding ethnic differences in pain report*. (2017). Invited talk given at University of Florida Center for Pain Research and Behavioral Health, Gainesville, FL.

Losin, E. A. R. *A sociocultural neuroscience approach to understanding ethnic differences in pain report.* (2017). Invited talk given at University of California Los Angeles, Social and Affective Neuroscience Laboratory, Los Angeles, CA.

Losin, E. A. R. (2016). *Sociocultural influences on pain perception: A cultural neuroscience approach.* Invited talk given at University of South Florida Psychology Department Colloquium, Tampa, FL.

Losin, E. A. R. (2014). *Towards a culturally informed social neuroscience: Investigating interactions between culture, brain, and health.* Job talk given as a departmental colloquium at University of Nebraska, University of Michigan, and University of Miami.

POSTERS PRESENTED AT SCIENTIFIC MEETINGS

Varoudaki, T., Khalilkhani, N., Gianola, M., Losin, E. A. R. (2024). "Activity in AI and aMCC of Clinicians Predicts Pain Assessment and Treatment via Stereotypes," Annual meeting of the Organization of Human Brain Mapping, Seoul, South Korea.

Khalilkhani, N., Varoudaki, T., Gianola, M., & Losin, E. (2024). "Activity in Empathy-related Brain Regions Predicts Clinicians' Pain Treatment Decisions," Annual meeting of the Organization of Human Brain Mapping, Seoul, South Korea.

Khalilkhani, N. (Author and Presenter - Undergraduate Student), Varoudaki, T. (Co-Author - Graduate Student), Gianola, M. (Co-Author - Postdoctoral Student), & Losin, E. (2024). "Clinicians' First Impression Empathy Predicts Pain Management Decisions Above and Beyond Patient Pain," Annual meeting of the International Association for Study of Pain, Amsterdam, the Netherlands.

Losin, E. (Author and Presenter), Varoudaki, T. Z. (Co-Author - Graduate Student), Khalilkhani, N. (Co-Author - Undergraduate Student), & Gianola, M. (Co-Author - Postdoctoral Student). (2024). "Clinician's demographic pain stereotypes predict their assessment of patient pain," Annual meeting of US. Association for the Study of Pain, Seattle, WA.

Varoudaki, T. (Co-Author and Presenter - Graduate Student), & Losin, E. (2024). "Gender differences in pain treatment decisions in simulated telemedicine doctor-patient interactions," Annual meeting of the U.S. Association for the Study of Pain, Seattle, Washington, U.S.A.

Losin, E., Khalilkhani, N. (Co-Author - Undergraduate Student), Varoudaki, T. (Co-Author - Graduate Student), & Gianola, M. (2024). "Neural markers of clinicians' empathy for patients' pain predict pain assessment and treatment," Annual meeting of the Organization of Human Brain Mapping, Seoul, South Korea.

Varoudaki, T. (Author and Presenter - Graduate Student), Gianola, M. (Co-Author - Postdoctoral Student), Khalilkhani, N. (Co-Author - Undergraduate Student), & Losin, E. (2024). "The Role of Clinician Demographics and SES in Pain Treatment Disparities," Annual meeting of the International Association for the Study of Pain, Amsterdam, Netherlands.

Varoudaki, T. (Author and Presenter - Graduate Student), Khalilkhani, N. (Co-Author -

- Undergraduate Student), & Gianola, M. (Co-Author - Postdoctoral Student). (2024). "The role of socioeconomic status of clinician's neighborhood in pain assessment and treatment decisions: psychological and brain mechanisms," Annual meeting of the Social and Affective Neuroscience Society, Toronto, Canada.
- Amini, M. (Author and Presenter - Graduate Student), Khalilkhani, N. (Co-Author - Undergraduate Student), Gianola, M. (Co-Author - Postdoctoral Student), & Losin, E. (2004) "Dissecting the roles of medial cingulate cortex and anterior insula in clinician empathy," Annual meeting of the Organization of Human Brain Mapping, Seoul, South Korea.
- N. Khalilkhani, T. Varoudaki, M. Gianola, **E. A. R. Losin**. (2023) Brain Mechanism Underlying Clinicians Pain Perception. Poster presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
- Varoudaki, T. Z., **Losin, E. A. R.** (2023) *Psychological and brain mechanisms underlying ethnic and racial disparities in pain treatment decisions*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, Santa Barbara, CA.
- Khalilkhani, N., **Losin, E. A. R.** (2023) *Creating and validating and ethnically and racially diverse video stimulus set of evoked pain*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, Santa Barbara, CA.
- Gianola, M., **Losin, E. A. R.** (2023) *Neurobiological predictors of differences in pain report across language contexts and cultural orientations of Spanish-English bilingual adults*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, Santa Barbara, CA.
- Losin, E. A. R.**, Varoudaki, T. Z. (2023) *Psychological and brain mechanisms underlying ethnic and racial disparities in pain treatment decisions*. Poster presented at the annual meeting of the US Association for the Study of Pain, Durham, NC.
- Gianola, M. & Losin, **E. A. R.** (2022) *Neural mechanisms linking language context and pain processing among Spanish-English bilinguals*. Poster presented at the annual meeting of the Organization of Human Brain Mapping. Online and Glasgow, Scotland, UK.
- Gianola, M., & **Losin, E. A. R.** (2022) *Assessing the neurobiological relationships between language processing, cultural contexts, and pain perception among Spanish-English bilinguals*. Poster presented at the annual meeting of the Social and Affective Neuroscience Society. Online.
- Kim, J., Andrews-Hanna, J. A., Kim, B., Kim, H., **Losin, E. A. R.**, Eisenbarth, H., Wager, T. D., Woo, C-W. (2021) *A dynamic functional connectivity marker for rumination*. Poster presented at the annual meeting of the Organization of Human Brain Mapping.
- Losin, E.A.R.**, Anderson, S.R., Wager, T.D., Gianola, M., Medina, N.A., Perry, J.M. (2020) *Doctor trustworthiness reduces pain and its neural correlates in virtual medical interactions*. Poster presented at the annual meeting of the Organization of Human Brain Mapping.
- Han, X., Atlas, L. Y., Chang, L. J., Koban, L. **Losin, E. A. R.**, Roy, M., Woo, C-W., Wager, T. D. *Effect size and reliability of the Neurological Pain Signature*.(2020). Poster presented at the annual meeting of the Organization of Human Brain Mapping.

- Losin, E. A. R.,** Geuter, S., Wager, T.D. (2020/2021) *Neural mediators of sex differences in pain*. Poster to have been presented at 2020 annual meeting of the Social and Affective Neuroscience Society, postponed due to COVID-19 pandemic and given in 2021.
- Gianola, M., Losin, E. A. R.** (2020/2021). *Characterizing the Influences of Language and Cultural Identity on Pain Responses in Spanish-English Bilinguals*. Poster to have been presented at 2020 annual meeting of the Social and Affective Neuroscience Society, postponed due to COVID-19 pandemic and given in 2021.
- Anderson, S.R.,** Witkin, J. E., Bolt, T., Llabre, M. M., **Losin, E. A. R.** (2019). *Delineating brain region and network-level factors underlying the relationship between pain and cognitive performance*. Poster presented at annual meeting of the Organization for Human Brain Mapping, Rome, Italy.
- Gianola, M. D. M., Yepes, B., Losin, E. A. R.** (2019). *Selection and Characterization of Cultural Priming Stimuli for Activation of Hispanic and US-American Cultural Mindsets Among Spanish-English Bilinguals*. Poster Presented at annual meeting of the Association for Psychological Science, Washington, D.C.
- Losin, E. A. R.,** Bainter, S. A., Wager, T. D. (2019). A multivariate model of behavioral and neural predictors of pain. Poster presented at annual meeting of Social and Affective Neuroscience Society, Miami, FL.
- Goldstein, P. **Losin, E. A. R.,** Wager, T. D. (2019) *Synchrony in clinician-patient movement mediates placebo effect on perceived pain and trust*. Poster presented at annual meeting of Society in Placebo Studies, Leiden, the Netherlands.
- Witkin, J. E., **Anderson, S. R.,** Bolt, T., Llabre, M., **Losin, E. A. R.** (2019). *Neural and behavioral mechanisms underlying the relationship between everyday pain and cognitive performance*. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Anderson, S.R., Gianola, M., Perry, J.M., & Losin, E. A. R.** (2019). *Doctor-patient racial/ethnic concordance predicts pain: Evidence from simulated clinical interactions*. Poster presented at the annual meeting of the American Pain Society, Milwaukee, WI.
- Losin, E.A.R.,** Woo, Chong-Wan, **Medina, N.A., Anderson, S. R., Snider, M.,** Wager, T. D. (2018). *Sociocultural and neural mechanisms of ethnic disparities in pain and pain treatment*. Poster presented at the International Association for the Study of Pain World Congress, in Boston, MA.
- Anderson, S. R.,** Li, W., Han, S., **Losin, E. A. R.** (2018). *Modulation of neural empathic response to pain via expressive suppression*. Poster presented at Social and Affective Neuroscience Meeting, Brooklyn, NY.
- Anderson, S. R.,** Li, W., Han, S., & **Losin, E. A. R.** (2018). Investigating the relationship between emotional suppression and pain empathy: The role of belief in the social appropriateness of outward pain expression. Poster session presented at the Mind & Life International Research Institute, Kyoto, Japan.
- Anderson, S. R.,** Li, W., **Losin, E. A. R.,** Han, S. (2018). *Expressive suppression to faces and IAPS pictures: Temporal aspects of common and differential neural networks*. Poster presented at Organization of Human Brain Mapping, Suntec City, Singapore.

- Cheong, J.H., **Losin, E. A. R.**, Wager, T. D., Chang, L. J. (2017). *Temporal dynamics in biomarkers of doctor empathy modulates patient pain responses in simulated clinical interactions*. Poster to be presented at meeting of Association for Psychological Science, Boston, MA.
- Losin, E.A.R., Anderson, S. R.** (2017). *A sociocultural neuroscience to pain*. Poster presented at meeting of Social and Affective Neuroscience meeting, Los Angeles, CA.
- Losin, E.A.R., Anderson, S. R.** (2016). *A sociocultural neuroscience to pain*. Poster presented at “Neuroscience of Pain: Early Life Adversity, Mechanisms and Treatment” meeting of American Psychosomatic Society, New York, NY.
- Losin, E. A. R., Medina, N. A.,** Eisenbarth, H., Andrews-Hannah, J., Wager, T. D. (2016). *Neural correlates of sex differences in pain*. Poster presented at meeting of Organization of Human Brain Mapping, Geneva, Switzerland.
- Anderson, S. R., Losin, E. A. R.,** Chang, L. J., Powell, M., Wager, T. (2016). *Feelings of doctor-patient similarity, trust, and liking predict pain report: Evidence from simulated clinical interactions*. Poster presented at meeting of American Pain Society meeting, Austin, TX.
- Geuter, S., **Losin, E. A. R.,** Wager, T.D. (2015). *Pain specific encoding of temporal dynamics of aversive stimuli in the ventral striatum*. Poster presented at meeting of Society for Neuroscience, Chicago, IL.
- Losin, E. A. R.,** Krishnan, A., Delk, E., Eisenbarth, H., Andrews-Hannah, J., Wager, T. D. (2015). *Shared and unique neural signatures of physically and emotionally aversive experiences*. Poster presented at meeting of Organization of Human Brain Mapping, Honolulu, HI.
- Losin, E. A. R.,** Eisenbarth, H., Andrews-Hannah, J., Delk, E., Wager, T. D. (2015). *Ethnic differences in neural responses to pain*. Poster presented at meeting of Social and Affective Neuroscience, Boston, MA.
- Losin, E. A. R.,** Woo, C. W., Krishnan, A., Water, T. D., Iacoboni, M., Dapretto, M. (2015). *Brain and psychological mediators of imitation: Physical versus sociocultural traits*. Poster presented at meeting of Cognitive Neuroscience Society Meeting, San Francisco, CA.

- Losin, E. A. R.,** Chang, L. J., Wager, T. D. (2014). *Increased feelings of doctor-patient similarity predict reduce pain rating during simulated clinical interactions*. Poster presented at meeting of Cognitive Neuroscience Society Meeting, Boston, MA.
- Losin, E. A. R.,** Chang, L. J., Wager, T. D. (2014). *Increased feelings of doctor-patient similarity predict reduce pain rating during simulated clinical interactions*. Poster presented at meeting of Social and Affective Neuroscience, Denver, CO.
- Losin, E. A. R.,** Iacoboni, M., Dapretto, M. (2013). *Mapping the neural correlates of cultural imitative learning*. Poster presented at meeting of Social and Affective Neuroscience Meeting, San Fransisco, CA.
- Losin, E. A. R.,** Iacoboni, M., Dapretto, M. (2013). *In race erased? Knowledge of political ideology reduces influence of race on neural underpinnings of imitation*. Poster presented at meeting of Cognitive Neuroscience Society, Fransisco, CA.
- Losin, E. A. R.,** Iacoboni, M., Dapretto, M. (2013). *Both physical and non-physical similarity modulate neural activity during imitation: Effects of political ideology and race*. Poster presented at Society for Neuroscience, New Orleans, LA.
- Losin, E. A. R.,** Iacoboni, M., Dapretto, M. (2012). *Race modulates functional connectivity during imitation*. Poster presented at meeting of Organization of Human Brain Mapping, Beijing, China.
- Losin, E. A. R.,** Iacoboni, M., Dapretto, M. (2011). *Race modulates the neural underpinnings of imitation but self-similarity alone cannot explain differential activity*. Poster presented at meeting of Cognitive Neuroscience Society, San Francisco, CA.
- Losin, E. A. R.,** Iacoboni, M., Martin, A., Dapretto, M. (2010). *Own-gender imitation activates the brain's reward circuitry*. Poster presented at meeting of Society for Neuroscience, San Diego, CA.
- Losin, E. A. R.,** Iacoboni, M., Nguyen, K., Morton, D., Dapretto, M. (2010). *Racial attitudes influence the functional neuroanatomy of cultural imitative learning*. Poster presented at meeting of Organization of Human Brain Mapping, Barcelona, Spain.
- Losin, E. A. R.,** Iacoboni, M., Dapretto, M.. (2010). *Exploring the neural architecture of the similarity bias in cultural imitative learning*. Poster presented at meeting of Cognitive Neuroscience Society, Montreal, Canada.
- Losin, E. A. R.,** Dapretto, M., Iacoboni, M. (2009). *A novel paradigm for investigating the neural architecture of cultural imitative learning*. Poster presented at the Primate Mind Workshop, Erice, Sicily.
- Reynolds, E. A.,** Rivera, S. M., O'Hare, E. D., Sowell, E. R., Pinter, J. D. (2007). *Deficient temporal lobe activity during passive story listening in individuals with Down syndrome*. Poster presented at meeting of Society for Neuroscience, San Diego, CA.
- Reynolds, E. A.,** Pinter, J. D., Koldewyn, K., Le, L., Backer, K., Tang, M., Rivera, S. M. (2007). *Deficient intraparietal sulcus activity during number comparison in individuals with Down syndrome*. Poster presented at meeting of Cognitive Neuroscience Society meeting, New York, NY.

Rivera, S., Henry, M., Crone, E., **Reynolds, E.**, Herrera, A., Chen, I., van der Maas, H. Langer, J. (2006). *Neural basis of protracted developmental changes in proportional reasoning*. Poster presented at meeting of Cognitive Neuroscience Society, San Francisco, CA.

Reynolds, E. A., Freeman, H., Russell, J. L., Hopkins, W. D. (2005). *Oro-facial asymmetry of voluntary and involuntary vocal signals in chimpanzees (*Pan troglodytes*)*. Poster presented at meeting of American Society of Primatologists, Portland, OR.

Freeman, H., Russell, J. L., Shonka, S., **Reynolds, E.**, Hopkins, W. D. (2005). *Self-recognition in chimpanzees (*Pan troglodytes*) using a small, LCD screen*. Poster presented at American Society of Primatologists, Portland, OR.

Russell, J. L., Freeman, H., **Reynolds, E.**, Hopkins, W. D. *Lateralized scratching in chimpanzees (*Pan troglodytes*)*. Poster presented at meeting of American Society of Primatologists meeting, Portland, OR.

GRANTS UNDER REVIEW

Grants in **bold** have a focus related to diversity, equity, and

- Co-Investigator; T90/R90 NIH HEAL PAIN Cohort Program (MPIs: Zgierska, Nyland, Penn State); Budget: \$2,984,566.00; (07/01/2024-06/30/2029) (Not funded)

FUNDED RESEARCH GRANTS

- **MPI; NIH R01; Biopsychosocial mechanisms underlying the impact of structural racism and discrimination on chronic pain in Black or African American older adults**, (PI: Ellen Terry, University of Florida). Budget: \$3,279,011; Penn State subaward \$1,478,354) (4/1/2023 – 3/31/2028)
- PI; NIH NIDA Mentored Research Scientist Award (K01); **Psychological and brain mechanisms underlying disparities in opioid and non-opioid pain treatment decisions**; \$860,791 (2018-2023)
- PI; University of Miami Provost Research Award; **Understanding mechanisms underlying pain treatment disparities: creating and testing a new paradigm**; \$17,000 (2017)
- Co-investigator; University of Sydney HMR+ SPARC Implementation Brain and Mind Center Grant; **Gender dysphoria in Australian children and adolescents: Assessing brain structure and function using functional magnetic resonance imaging**; PI Kasia Kozłowska; \$35,065 (2015-2016)
- PI; UCLA Center for Culture Brain and Development Research Grant; Brain and psychological mediators of imitation: Physical versus sociocultural traits; \$5,000 (2012)
- PI; UCLA Center for Culture Brain and Development Research Grant; Neural processing of race during imitation: Self-similarity versus social status; \$5,000 (2011)
- PI; UCLA Ahmanson-Lovelace Brain Mapping Center Pilot Funding Award; Neural processing of race during imitation: Self-similarity versus social status; \$10,000 (2010)
- PI; UCLA Center for Culture Brain and Development Research Grant; Own-gender imitation activates the brain's reward circuitry; \$5,000 (2010)

- PI; UCLA Center for Culture Brain and Development Research Grant; Race modulates neural activity during imitation; \$5,000 (2009)
 - PI; UCLA Center for Culture Brain and Development Research Grant; Creation of more ecologically valid cultural imitative learning video stimuli; \$5,000 (2008)
 - PI; Emory Scholarly Inquiry and Research Grant; Investigating hemispheric control of chimpanzee facial expressions in emotional and communicative contexts; \$4,000 (2004)
 - PI; Emory Faculty Science Council Undergraduate Research Grant; An ethnographic field study of attitudes towards ethnic and cultural diversity in Key West, Florida; \$2,000 (2003)
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FELLOWSHIP AWARDS

- NIH NIDA Mentored Research Scientist Award (K01) (2018-2023)
 - UCLA Dissertation Year Fellowship (2011-2012)
 - UCLA Neuroimaging Training Program NIH NRSA (T32) Fellowship (2009-2010)
 - UCLA Quality of Graduate Education Special Course Fellowship (2008)
 - UCLA Center for Culture Brain and Development Fellowship (2008-2009)
 - UCLA Quality of Graduate Education Special Course Fellowship (2008)
 - National Science Foundation Graduate Research Fellowship (2006-2011)
 - National Science Foundation Research Experience for Undergraduates Fellowship (2005)
 - Emory Scholars Summer Study Abroad Fellowship (2004)
 - Center for Behavioral Neuroscience BRAIN Summer Research Fellowship (2004)
 - Robert W. Woodruff Scholarship: 4 years full tuition, fees, room and board (2001-2005)
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OTHER ACADEMIC AWARDS

- University of Miami Graduate School Faculty Mentor of the Year Award (2022)
 - Young Investigator Award, International Cultural Neuroscience Society (2019)
 - Social and Affective Neuroscience Society Annual Meeting Poster Award (2019)
 - Society for Neuroscience Chapter Travel Award (2012)
 - International Cultural Neuroscience Consortium Travel Award (2012)
 - Brain Research Institute Society for Neuroscience Travel Award (2011)
 - Phi Beta Kappa (2005)
 - Lambda Alpha, anthropology honor society (2004)
 - Nu Rho Psi, neuroscience and behavioral biology honor society (2002)
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TEACHING, MENTORSHIP AND OUTREACH

Teaching

Courses in **bold** have substantial content focused on issues related to diversity, equity, and inclusion

- Penn State University
 - Professor, BBH302: ***Diversity and Health*** (Spring 2024, 2025)
 - Team teacher, NEURO520: *Cellular and Molecular Neuroscience* (Fall 2024)
 - Team teacher, NEURO521: *Systems Neuroscience* (Spring 2024)
- University of Miami
 - Professor, PSY697: ***Neuroimaging in the Psychological Sciences 2: Applications and Cultural Context*** (Spring, 2018, Spring 2022) [teaching evaluations: Course: 4.4/5, Instructor: 4.9/5]
 - Professor, PSY605: *Cognitive Neuroscience* (Fall, 2016; Spring, 2019, Fall 2020, Fall 2022) [teaching evaluations: Course: 4.3/5, Instructor: 4.7/5]
 - Professor, PSY474: ***Social and Cultural Neuroscience*** (Fall, 2015, 2016; Spring, 2016, 2017, 2018) [teaching evaluations: Course: 4.9/5, Instructor: 4.9/5]
 - Professor, NEU190: ***Faculty Overview of Research and Undergraduate Mentoring (FORUM) focused on social and cultural neuroscience*** (Spring 2016, 2017, 2018) [teaching evaluations: Course: 4.5/5, Instructor: 4.5/5]
 - Guest lecturer: How computational neuroscience can help untangle relationships between culture, brain, & health, *CSC598 Computational Neuroscience* (Spring, 2020)
 - Guest lecturer: **Neuroscience of social categorization, Law 569A: Black Lives Matter Interdisciplinary Course** (Spring, 2017, 2018)
 - Guest lecturer: Introduction to neuroscience, *School of Communication and Frost Science Neuro CoLab* (Fall, 2016)
- University of California, Los Angeles
 - Teaching assistant, *Center for Culture, Brain, and Development Journal Club* (2012); chose papers, led discussions
 - Teaching assistant, *NS205: Systems Neuroscience* (Spring, 2011); taught 3 two-hour review/discussion sections (~30 students each), held weekly two-hour office hours, helped prepare and administer three exams, graded all exams and review papers
- Emory University
 - Undergraduate teaching fellow, *Introduction to Neurobiology* (Fall 2004); taught weekly 2-hour discussion sections (5 students), attended bi-weekly teaching workshops

Mentorship

Students in **bold** are from underrepresented groups in STEM, and those in **bold** and *italics* are international students

- University of Miami & Penn State
 - Postdoctoral mentees:

- Steven Anderson (Summer 2020-Spring 2023) continued mentorship on projects from his Ph.D. and career development
- **Marilyn Horta** (Fall 2021-Summer 2023) as senior mentor on her Enhanced Interdisciplinary Research Training Institute on Hispanic Substance Use Fellowship
- Morgan Gianola (Summer 2022-Fall 2024) continued mentorship on projects from his Ph.D. and career development
- Primary graduate research mentees:
 - Steven R. Anderson (Fall 2015-Spring 2020)
 - Morgan Gianola (Fall 2017-Spring 2022)
 - **Theoni Varoudaki** (Fall 2020-Present)
 - **Yumei Chen** (Summer 2021-Spring 2022)
 - **Suhwan Gim** (Summer 2021-Fall 2022)
 - **Maryam Amini** (Summer 2022-Present)
 - Jake Gronemeyer (Fall 2023)
 - **Josue Cardoso** (Fall 2023-Present)
- Postbaccalaureate research mentees:
 - Katelyn Richter (August 2024-Present)
 - **Emmanuella Oppong** (August 2024-Present)
 - **Nikta Kalilkhani** (Summer 2021-Summer 2024)
 - Maryam Amini (Summer 2019-Summer 2022)
 - Emma Choplin, (Summer 2019-Present)
 - **Beatriz Yepes** (Summer 2018-Spring 2019)
 - Jenna Perry (Summer 2017-Summer 2019)
 - **Sofia Mercer** (Spring 2018 – Spring 2019)
 - **Natalia Medina** (Spring 2015-Spring 2017)
 - **Elaine Costa** (Summer 2015)
- Undergraduate research mentees: **Lindsey Faucher**, (Summer 2022-Present), Sophia Meibohm (Summer 2022-Present), Denisse Rocco (Summer 2021-Spring 2022), **Gizem Ataman** (Summer 2021-Fall 2021), **Jasmine Sherfield** (Summer 2021-Present), **Sebastian Vargas-George** (Summer 2021-Spring 2022), **Jasmyne Hinson** (Spring 2021-Present), Mary Christodoulou (Fall 2018 – Present), **Felipe Parodi** (Fall 2018 – Summer 2019), **Efrian Rodriguez Sierra** (Summer 2018), Taylor Bak (Spring 2018-Spring 2019), Rachael Eickmeyer (Fall 2017), Madeleine Snider (Spring 2017-present), Joshua Myers, Fiona Collins (Spring 2016-Fall 2017), **Augusto Cividini** (Summer 2015)
- Doctoral dissertation committee member, *Psychology or Neuroscience Doctoral Program*: Linda Robayo (2020-present), Morgan Gianola (Spring 2020- Spring 2022),

Joseph Billingsly (Fall 2017-Spring 2019), Steven Anderson (chair; Fall 2019-Spring 2020)

- Master’s thesis committee member, *Psychology Doctoral Program*: William McAuliffe (Fall 2015-Spring 2017), Steven Anderson (chair; Fall 2017-Fall 2018), Morgan Gianola (chair; Fall 2018-Fall 2019), **Theoni Varoudaki** (Summer 2022-Present), Katie Dillon (Summer 2022-Present)
- Qualifying paper committee member, *Psychology Doctoral Program*: Danny Forster (Fall 2015), Dina Dajani (Spring 2017)
- University of Colorado at Boulder
 - Postbaccalaureate research mentees: Elizabeth Delk (2014), Megan Powell (2012-2014)
- UCLA
 - 4 undergraduate research mentees, mentored in fMRI behavioral data collection, analysis, and paper and poster preparation (2009-2010)

Outreach

- Activities in **bold** aimed at increasing diversity, equity, and inclusion
- Community
 - Judge, Frost Museum Science Art Cinema Festival (Summer 2017)
 - **Panelist, Frost Science Museum Inaugural Live@Frost Science series, “Hollywood Science and the Wonder Women of Miami”** (Summer 2017)
 - Neuroplasticity booth, University of Miami Brain Awareness Week Fair (Spring 2016)
 - Presentation on neuroscience of fear, Frost Science Museum Art Cinema (October 2015)
 - Neuroplasticity booth, Frost Science Museum Brain Fair (April 2015)
 - Judge, California State Science Fair (2011)
- School
 - **Talk on navigating my disabilities for the University of Miami Diversity, Equity and Inclusion Committee’s Our Stories event, “Living fully along the spectrum of abilities”** (Spring 2022)
 - Talk on my research and career path for the Neuroscience Establishment, a high school student-led organization helping to organize neuroscientist shadowing opportunities (Summer 2021)
 - **Lab tour and neuroscience demonstrations, South Miami Middle School student field trip** (Fall 2017)
 - **Women in STEM club presentation on careers in neuroscience, Carlton School of the Sacred Heart** (all girls high school) (Spring 2016)
 - Lab tour and neuroscience demonstrations, Mandelstam School elementary school student field trip (Spring 2016)
 - Lab tour and neuroscience demonstrations, Gulliver Schools elementary and middle school student field trip (Spring 2016)

- **Hands-on brain demonstrations for elementary to high school students, UCLA Brain Awareness Week, Project Brainstorm, and UCLA Early Academic Outreach Program** (2010-2012)
 - **Invited lectures to high school biology classes and extra-curricular science organizations** (2006-present); 6 lectures to date, on topics including my own research and how to become involved in research as a high school or college student
 - Online
 - **Guest on *With Her in Pain* Podcast, podcast that explores the role of gender bias in medicine.** (Summer, 2021)
 - **Contributing blogger, PLoS's *Neuroanthropology*** (2013)
 - Brain Awareness Video Content, Society for Neuroscience (2011); created and hosted a 5-minute educational video on neuroplasticity, which has been viewed over 73,000 times as of 01/18 and is being used in two rehabilitation centers (URL: <http://www.youtube.com/watch?v=iAzmyB9PFt4>)
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SERVICE

Activities in **bold** aimed at increasing diversity, equity, and inclusion

Editorial

- Associate editor *Culture and Brain* (2019-present)
- Topic editor for *Frontiers in Human Neuroscience* topic on “The neuroscience of cultural learning: from acculturation to radicalization” (Fall 2017-2020)
- **Guest editor for special issue of *Culture and Brain* on “Culture, Brain, and Health”** (Summer 2015-published Spring 2017)
- Ad hoc reviewer for *Nature Neuroscience*, *Psychological Research*, *NSF*, *Social Cognitive and Affective Neuroscience*, *Cultural Diversity and Ethnic Minority Psychology*, *NeuroImage*, *Neuron*, *Progress in Brain Research*, *European Journal of Neuroscience*, *American Journal on Intellectual and Developmental Disabilities*, *PLoS ONE*, *Human Brain Mapping*, *Behavioral and Brain Functions* (2009-Present)

National/ International

- NIH Study sections (June 2024, December 2024)
- Session co-organizer and chair, Session on Pain and Addiction, Penn State Annual Addiction Symposium (2023)
- Co-organizer, Symposium on the Clinician-Patient Relationship and Pain, Annual Meeting of the United States Association for the Study of Pain, (2023)
- **Panelist in US Association for the Study of Pain Juneteenth Seminar on Cultural Competency** (Spring 2022)

- **Member of the US Association for the Study of Pain Inclusion, Diversity, Equity and Access Committee (2021-present)**
- **Co-chair of the US Association for the Study of Pain Diversity, Inclusion and Anti-Racism in Pain Special Interest Group (2021-present)**
- **Panelist in meeting on developing new standards for ant-racist pain research (Fall, 2020)**
- Co-organizer for the inaugural meeting of the International Cultural Neuroscience Society (Fall, 2020)
- Member of the founding board of the *International Cultural Neuroscience Society* (2019-present)
- **Symposium co-organizer at annual meeting of American Pain Society: Elucidating Factors Contributing to Health Disparities in Pain: Applying the National Institutes on Aging Health Disparities Research Framework (2019)**
- Member *Social and Affective Society* Annual Meeting Program Committee (2018)
- Member *Social and Affective Society* Annual Meeting Program Committee (2017)
- Session chair, *Society for Neuroscience Annual Meeting* (2011)

Departmental/University

- Member Penn State Promotion and Tenure Committee (Spring 2025-Present)
- Member, Penn State College of Health and Human Development Equity, Inclusion, and Justice Advisory Council (2023-Present)
- Member, Curriculum Committee Penn State Interdepartmental Graduate Program in Neuroscience (2023-Present)
- Member, Curriculum Committee Biobehavioral Health Dual Title Program in Social and Behavioral Neuroscience (2023-Present)
- Co-chair, Penn State Department of Biobehavioral Health Colloquium and Founder's Day Committee (Summer 2022-Present)
- **Senior Mentor for Enhanced Interdisciplinary Research Training Institute for Hispanic Substance Abuse Career Development Postdoctoral Fellowship Recipient (Fall 2021-Present)**
- **Panelist for graduate admissions information session for BIPOC (Black, Indigenous and People of Color) students by University of Miami Department of Psychology Diversity and Equity Committee (Fall, 2020)**
- **Chair, Department of Psychology, Brain Imaging Group Community Outreach Committee (Summer, 2015-Present)**

- Member, *University of Miami Department of Psychology, Brain Imaging Group Communications and Development Committee* (Summer 2015-Present)
 - Cognitive Neuroscience track representative, *University of Miami Department of Psychology NIH Curriculum Funding Committee* (Fall, 2016)
 - Grant reviewer, *University of Miami Department of Psychology Mock NIH Study Section* (Spring, 2016)
 - Faculty interviewer, *University of Miami Stamps, Singer, Weeks and Foote undergraduate scholarships* (Spring, 2016)
 - Member, *University of Miami College of Arts and Sciences Graduate Student Summer and Dissertation Awards Committee* (Spring, 2016)
 - Member, *University of Miami MRI Review Committee* (Fall 2015-Summer 2015)
 - Graduate student member, *UCLA Neuroscience IDP admissions committee* (2012)
 - Curriculum committee member, *UCLA Neuroscience Interdepartmental Program* (2008-2009)
 - Science fair judge, *UCLA undergraduate Neuroscience program* (2008)
 - Recruitment volunteer, *UCLA Neuroscience program* (2007-2012)
 - Speaker, *UCLA Neuroscience graduate retreat and graduate forum* (2007-2012)
 - Mentor to *incoming UCLA Neuroscience graduate students* (2007, 2008)
 - Committee member, *UCLA Neuroscience graduate forum* (2006-2012)
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MEDIA COVERAGE (SELECTED)

- Anderson et al. (2022) featured in
 - University of Miami press release (2022, August 24) Level of trust in doctor may influence patient’s brain responses to pain. Retrieved from: <https://www.eurekalert.org/news-releases/962782>
 - Wilkins, F. (2022, August 30) Trust me, this won’t hurt. *Medical Republic*. Retrieved from: <https://medicalrepublic.com.au/trust-me-this-wont-hurt/75964>
- Zhang et al. (2021) featured in
 - University of Miami press release (2021, April 6) Research identified gender bias in estimation of patients’ pain. Retrieved from: <https://www.eurekalert.org/news-releases/850360>
 - Ellis, S. (2021, May 10) Is there gender bias in the treatment of chronic pain? New research affirms the suggestion that women’s pain is taken less seriously than men’s. *Health Central*. Retrieved from: <https://www.healthcentral.com/article/gender-bias-in-pain-treatment>
 - LoBuono, C. (2021, April, 29) Women’s pain. *the Doctor will see you now*. Retrieved from: <https://www.thedoctorwillseeyounow.com/content/pain/art6383.html>

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PROFESSIONAL MEMBERSHIPS

- United States Association for the Study of Pain
- International Association for the Study of Pain
- Social & Affective Neuroscience Society
- Organization for Human Brain Mapping
- Cognitive Neuroscience Society
- Society for Neuroscience