

CURRICULUM VITAE  
**Vani A. Mathur**

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## FACULTY POSITIONS

2023-present Associate Professor, Department of Psychological and Brain Sciences, Texas A&M University  
2015-2023 Assistant Professor, Department of Psychological and Brain Sciences, Texas A&M University

### Additional Faculty Roles

#### Director/Principal Investigator

2015-present Social Neuroscience of Pain Disparities Laboratory

#### Training/Core Faculty

2015-present Social and Personality Area, Department of Psychological and Brain Sciences

2015-present Diversity Science Cluster, Department of Psychological and Brain Sciences

2015-present Texas A&M University Institute for Neuroscience (TAMIN)

#### Faculty Affiliate

2020-present Cognitive and Cognitive Neuroscience Area, Department of Psychological and Brain Sciences

2019-present Texas A&M University Center for Population Health and Aging (CPHA)

#### Faculty Fellow

2018-present Texas A&M University Center for Health Systems & Design (CHSD)

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## EDUCATION

2012 Ph.D. in Psychology  
Brain, Behavior, and Cognition Program, Northwestern University  
Dissertation: *Racial disparities in the subjective and neurobiological processing of pain perception and experience*

2009 M.S. in Psychology  
Brain, Behavior, and Cognition Program, Northwestern University  
Thesis: *Neural basis of intergroup biases in empathy and altruistic motivation*

2005 B.S. in Human Physiology  
Sargent College of Health & Rehabilitation Sciences, Boston University

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## POSTDOCTORAL FELLOWSHIPS

2014-2015 Department of Neural and Pain Sciences, University of Maryland, Baltimore  
2012-2014 Interdisciplinary Training Program in Biobehavioral Pain Research, Johns Hopkins University

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## HONORS, AWARDS & FELLOWSHIPS

2024 Texas A&M University Research Leadership Fellow  
2023 Mayday Pain & Society Fellow  
2022 APA Fall 2022 Diversity Research Spotlight, *The Clinical Psychologist*, 75(4), 9-12.  
2020 Nominee, Aggies Celebrate Teaching! – Recognizing Transformational Learning Award  
2018 College of Liberal Arts NCFDD Faculty Success Program Award, Texas A&M University  
2017 American Pain Society Future Leaders in Pain Research Award  
2015 Texas A&M University ADVANCE Scholar  
2013 NIH Health Disparities LRP  
2013 Semi-finalist, APA Jeffrey S. Tanaka Memorial Dissertation Award in Psychology  
2012 American Pain Society Pain & Disparities Shared Interest Group Young Investigator Award  
2012 Interdisciplinary Biobehavioral Pain Research Fellowship, Johns Hopkins University  
2012 Northwestern University Graduate School Career Development Award  
2010 Philip Brickman Endowment Fellowship, Northwestern University  
2009 Society, Biology, and Health Cluster Fellowship, Northwestern University  
2008 & 2009 Honorable Mention, National Science Foundation Graduate Research Fellowship  
2007 Northwestern University Graduate School Research Fellowship  
2006 Women's Health Research Award, Massachusetts General Hospital  
2005 Cum Laude, Boston University

## PUBLICATIONS

Peer Reviewed Journal Articles **Total citations = 2550, h-index = 24**

(trainees/early career scientists underlined: postdoctoral fellow, \*graduate student, #postgraduate, \*\*undergraduate)

1. \*AuBuchon, K.E., Stock, M.L., **Mathur, V.A.**, Attey, B., Bowleg, L. (in press). Bystander acknowledgment mitigates the psychological and physiological pain of racial discrimination for Black young adults: A randomized clinical trial. *The Journal of Pain*.
2. \*Boring, B.L., \*Walsh, K.T., Ng, B.W., Schlegel, R.J., **Mathur, V.A.** (2024). Experiencing pain invalidation is associated with underreporting of pain: A social psychological perspective on pain communication. *The Journal of Pain*, 25(5), 104428.
3. #**Mathur, V.A.**, #Payano Sosa, J.S., Keaser, M.L., Meiller, T.F., Seminowicz, D.A. (2023). The social context of Burning Mouth Syndrome: An exploratory pilot study of stigma, discrimination, and pain. *Pain Medicine*, 24, 1213-8. #equal author contributions
4. \*Nanavatv, N., \*Walsh, K.T., \*Boring, B.L., Ganesan, A., Carter-Sowell, A.R., **Mathur, V.A.** (2023). Acute ostracism-related pain sensitization is enhanced in the context of accumulated lifetime experiences of ostracism. *The Journal of Pain*, 24(7), 1229-39.  
– Featured in Physician's Weekly. September 5, 2023.
5. \*Boring, B.L., \*\*Richter, A., **Mathur, V.A.** (2023). Higher self-perceived stress reactivity is associated with increased chronic pain risk. *PAIN Reports*, 8(2), e1068.
6. \*Nanavatv, N., Thompson, C.G., Meagher, M.W., McCord, C., **Mathur, V.A.** (2023). Traumatic life experience and pain sensitization: Meta-analysis of laboratory findings. *Clinical Journal of Pain*, 39(1), 15-28.
7. Hood, A.M., Morias, C.A., Aroke, E.N., Booker, S.Q., Campbell, L.C., Campbell, C.M., Goodin, B.R., Janevic, M., Kapos, F.P., **Mathur, V.A.**, Merriwether, E.N., Letzen, J.E. (2023). Antiracism CoalITION in Pain Research (ACTION-PR): Guiding principles for equity in reporting. *The Journal of Pain*, 24(1), 19-21.
8. \*Walsh, K.T., \*Nanavatv, N., \*Boring, B.L., Carter-Sowell, A.R., **Mathur, V.A.** (2022). Lifetime experiences of ostracism and mechanisms of pain. *Frontiers in Pain Research*, 3, 1037472.
9. \*Walsh, K.T., \*Boring, B.L., \*Nanavatv, N., \*Guzman, H., **Mathur, V.A.** (2022). Sociocultural context and pre-clinical pain facilitation: Multiple dimensions of racialized discrimination experienced by Latinx Americans are associated with enhanced temporal summation of pain. *The Journal of Pain*, 23(11), 1885-1893.
10. \*Boring, B.L., Ng, B.W., \*Nanavatv, N., **Mathur, V.A.** (2022). Over-rating pain is overrated: A fundamental self-other bias in pain reporting behavior. *The Journal of Pain*, 23(10), 1779-1789.  
– Runner-up, United States Association for the Study of Pain's G.F. Gebhart Journal of Pain Young Investigator Award  
– PsyPost: *Psychologists uncover evidence of a fundamental pain bias* by Mane Kara-Yakoubian. July 2022.  
– BBC News, April 17, 2023
11. Letzen, J.E., **Mathur, V.A.**, Janevic, M., Burton, M.D., Hood, A.M., Morias, C.A., Booker, S.Q., Campbell, C.M., Aroke, E.N., Goodin, B.R., Campbell, L.C., Merriwether, E.N. (2022). Confronting racism in pain research: Reframing study designs. *The Journal of Pain*, 23(6), 893-912.  
– #1 top cited article in the Journal of Pain in 2022.  
– Featured Reading on DocWire News. March 17, 2022.
12. Morias, C.A., Aroke, E.N., Letzen, J.E., Campbell, C.M., Hood, A.M., Janevic, M., **Mathur, V.A.**, Merriwether, E.N., Goodin, B.R., Booker, S.Q., Campbell, L.C. (2022). Confronting racism in pain research: A call to action. *The Journal of Pain*, 23(6), 878-892.  
– #3 top cited article in the Journal of Pain in 2022.
13. Hood, A.M., Booker, S.Q., Morias, C.A., Goodin, B.R., Letzen, J.E., Campbell, L.C., Merriwether, E.N., Aroke, E.N., Campbell, C.M., **Mathur, V.A.**, Janevic, M. (2022). Confronting racism in all forms of pain research: A shared commitment for engagement, diversity, and dissemination. *The Journal of Pain*, 23(6), 913-928.  
– #5 top cited article in the Journal of Pain in 2022.

14. **Mathur, V.A.**, Trost, Z., Ezenwa, M., Sturgeon, J.A., Hood, A. (2022). Mechanisms of injustice: What we (don't) know about racialized disparities in pain. *PAIN*, 163(6), 999-1005.
15. Janevic, M., **Mathur, V.A.**, Booker, S.Q., Morais, C., Meints, S., Yeager, K.A., Meghani, S.H. (2022) Making pain research more inclusive: Why and how. *The Journal of Pain*, 23(5), 707-728.
  - #2 top cited article in the Journal of Pain in 2022.
  - Several recommendedations were adopted and incorporated in the IASP fact sheet on pain disparities. Morais, C., Moyano, J., Belton, J., Moyo, N. (January 18, 2022). *Global Inequities in Pain Treatment: How Future Research Can Address This Better*.
16. \*Boring, B.L., \*Maffly-Kipp, J., **Mathur, V.A.**, Hicks, J.A. (2022). Meaning in life and pain: The differential effects of coherence, purpose, and mattering on pain severity and the development of chronic pain. *Journal of Pain Research* 15, 299-314.
17. **Mathur, V.A.**, \*Nyman, T., \*Nanavaty, N., \*\*George, N., Brooker, R.J. (2021). Trajectories of pain during pregnancy predict symptoms of postpartum depression. *PAIN Reports*, 6(2), e933.
18. \*Boring, B.L., \*Walsh, K.T., \*Nanavaty, N., Ng, B.W., **Mathur, V.A.** (2021). How and why do patient concerns influence pain reporting?: A qualitative analysis of personal accounts and perceptions of others' use of numerical pain scales. *Frontiers in Psychology – Health Psychology*, 12, 2232.
19. \*Boring, B.L., \*Walsh, K.T., \*Nanavaty, N., **Mathur, V.A.** (2021). Shame mediates the relationship between pain invalidation and depression. *Frontiers in Psychology – Health Psychology*, 12, 5673.
  - PsyPost: *Having your pain invalidated is associated with increased shame and, in turn, an increased risk of depression* by Beth Ellwood. February 2022.
20. \*Kim, H., \*Nanavaty, N., #Ahmed, H., **Mathur, V.A.**, Anderson, B.A. (2021). Motivational salience guides attention to valuable and threatening stimuli: Evidence from behaviour and fMRI. *Journal of Cognitive Neuroscience*, 33(12), 2440-2460.
21. **Mathur, V.A.**, Morris, T., \*McNamara, K. (2020). Cultural conceptions of women's labor pain and labor pain management: A mixed-methods analysis. *Social Science & Medicine*, 261, 113240.
  - Featured Reading on DocWire News. August 7, 2020.
22. \*Rassu, F.S., \*\*Luedke, J.C., \*Nanavaty, N., **Mathur, V.A.**, Meagher, M.W. (2020). Greater mechanical temporal summation of pain in Latinx-Americans and the role of adverse life experiences. *PAIN Reports*, 5(5), e842.
23. Ng, B.W., \*Nanavaty, N., **Mathur, V.A.** (2019). The influence of Latinx American identity on pain perception and treatment seeking. *Journal of Pain Research*, 12, 3025-3035.
24. Petre, B., Tetreault, P., **Mathur, V.A.**, Schurgin, M., Chiao, J., Huang, L., Apkarian, A.V. (2017). A central mechanism enhances pain perception of noxious thermal stimulus changes. *Scientific Reports*, 7(1), 3894.
25. **Mathur, V.A.**, #Kiley, K.B., #Pejsa, M., Haywood, C., Bediako, S., Lanzkron, S., Buenaver, L.F., Edwards, R.R., Haythornthwaite, J.A., Campbell, C.M. (2016). Multiple-levels of suffering: Discrimination in health care settings is associated with greater laboratory pain sensitivity in sickle cell disease. *Clinical Journal of Pain*, 32(12), 1076-1085.
  - **Broader Impacts: Clinical Best Practices & Diagnostic Criteria**
    - Addition/inclusion of racialized discrimination-related modulation of pain in sickle cell disease in the AAAPT (Analgesic, Anesthetic, and Addiction Clinical Trial Translations Innovations Opportunities and Networks-American Pain Society Pain Taxonomy) diagnostic criteria for chronic and acute pain in sickle cell disease
      - Dampier et al. (2017). AAAPT diagnostic criteria for chronic sickle cell disease pain. *The Journal of Pain*, 18(5), 490-8. & Field et al. (2019). AAAPT diagnostic criteria for acute sickle cell disease pain. *The Journal of Pain*, 20(7), 746-59.
    - Recommendation for ongoing education on discrimination as best practice in pain management.
      - U.S. Department of Health and Human Services (2019, May). *Pain Management Best Practices Inter-Agency Task Force Report: Updates, Gaps, Inconsistencies, and Recommendations*. <https://www.hhs.gov/sites/default/files/pmtf-final-report-2019-05-23.pdf>

26. **Mathur, V.A.**, #Kiley, K.B., Carroll, C.P., Edwards, R.R., Lanzkron, S., Haythornthwaite, J.A., Campbell, C.M. (2016). Disease related, non-disease related, and situational catastrophizing in sickle cell disease and its relationship with pain. *The Journal of Pain*, 17(11), 1227-1236.
27. **Mathur, V.A.**, Moayed, M., Keaser, M.L., Khan, S.A., Hubbard, C.S., Goyal, M., Seminowicz, D.A. (2016). High frequency migraine is associated with lower acute pain sensitivity and abnormal insula activity related to migraine pain intensity, attack frequency, and pain catastrophizing. *Frontiers in Human Neuroscience*, 10, 489.
28. Speed, T.J., **Mathur, V.A.**, Hand, M., Christensen, B., Sponseller, P.D., Williams, K.A., Campbell, C.M. (2016). Characterization of pain, disability, and psychological burden in Marfan syndrome. *American Journal of Medical Genetics Part A*. 9999A:1–9.
29. **Mathur, V.A.**, Cheon B.K., Harada, T., #Scimeca, J., Chiao, J.Y. (2016). Overlapping neural response to the pain or harm of people, animals, and nature. *Neuropsychologia*, 81, 265-273.
30. **Mathur, V.A.**, Khan, S.A., Keaser, M.L., Hubbard, C.S., Goyal, M., Seminowicz, D.A. (2015). Altered cognition-related brain activity and interactions with acute pain in migraine. *NeuroImage: Clinical*, 7, 347–358.
31. **Mathur, V.A.**, Richeson, J.A., Paice, J.A., \*\*Muzyka, M., Chiao, J.Y. (2014). Racial bias in pain perception and response: experimental examination of automatic and deliberate processes. *The Journal of Pain*, 15(5), 476–484.
- Selected as *The Journal of Pain* Featured Journal Club Article for the month of May, 2014.
  - Included in Relief: Pain Research News, Insights, and Ideas: *All Pain Is Not Equal* by Laura Kiesel. June 2016.
  - **Broader Impacts: National Policy Recommendations & Clinical Best Practices**
    - Evidence of the problem of Pain Disparities, and support of Pain Disparities as a Core Topic in the National Pain Strategy - a foundational guide for policy-level decisions to reduce pain in America.
      - Interagency Pain Research Coordinating Committee. (2015). *National Pain Strategy: a comprehensive population health-level strategy for pain*. Washington, DC: Department of Health and Human Services.
    - Recommendation for ongoing education on provider bias as best practice in pain management.
      - U.S. Department of Health and Human Services (2019, May). *Pain Management Best Practices Inter-Agency Task Force Report: Updates, Gaps, Inconsistencies, and Recommendations*. <https://www.hhs.gov/sites/default/files/pmtf-final-report-2019-05-23.pdf>
32. Hubbard, C.S., Khan, S.A., Keaser, M.L., **Mathur, V.A.**, Goyal, M., Seminowicz, D.A. (2014). Altered brain structure and function correlate with disease severity and pain catastrophizing in migraine patients. *eNeuro*, 1(1).
33. Cheon, B.K., Im, D., Harada, T., Kim, J., **Mathur, V.A.**, Scimeca, J., Parrish, T.B., Park, H., Chiao, J.Y. (2013). Cultural modulation of the neural correlates of empathy: The role of ‘other-focusedness.’ *Neuropsychologia*, 51(7), 1177-1186.
34. Campbell, C.M., McCauley, L., Bounds, S.C., **Mathur, V.A.**, Conn, L., Simango, M., Edwards, R.E., Fontaine, K. (2012). Changes in pain catastrophizing predict later changes in fibromyalgia clinical and experimental pain report: Cross-lagged panel analyses of dispositional and situational catastrophizing. *Arthritis Research & Therapy*, 14(5), R231.
35. **Mathur, V.A.**, Harada, T., Chiao, J.Y. (2012). Racial identification modulates default network activity for same and other races. *Human Brain Mapping*, 33(8): 1883-1893.
36. Cheon, B.K., Im, D., Harada, T., Kim, J., **Mathur, V.A.**, Scimeca, J., Parrish, T.B., Park, H., Chiao, J.Y. (2011). Cultural influences on neural basis of intergroup empathy. *NeuroImage*, 57(2), 642-650.
37. Cheon, B.K., **Mathur, V.A.**, Chiao, J.Y. (2010). Empathy as cultural process: Insights from the cultural neuroscience of empathy. *World Cultural Psychiatry Research Review*, 5, 32-42.
38. Chiao, J.Y. & **Mathur, V.A.** (2010). Intergroup empathy: How does race affect empathic neural responses? *Current Biology*, 20(11): R478-R480.
39. **Mathur, V.A.**, Harada, T., Lipke, T., Chiao, J.Y. (2010). Neural basis of extraordinary empathy and altruistic motivation. *NeuroImage*, 51(4): 1468-1475.

- The magnitude and **sustained impact** of this paper on the field is evidenced by the number (430 in 12 years) and consistency (24-47x/year) of citations. This paper is also routinely cited in major review articles and books on social neuroscience and human behavior.
40. Chiao, J.Y, **Mathur, V.A.**, Harada, T., Lipke, T. (2009). Neural basis of preference for hierarchy versus egalitarianism. *Annals of the New York Academy of Sciences*, 1167, 174-81.
  41. Lawson, E.A., Miller, K.K., **Mathur, V.A.**, Misra, M., Meenaghan, E., Herzog, D.B., Klibanski, A. (2007). Hormonal and nutritional effects on cardiovascular risk markers in young women. *Journal of Clinical Endocrinology and Metabolism*, 92(8):3089-94.
  42. Miller, K.K., Lawson, E., **Mathur, V.A.**, Wexler, T., Meenaghan, E., Misra, M., Herzog, D., Klibanski, A. (2007). Androgens in women with anorexia nervosa and normal-weight women with hypothalamic amenorrhea. *Journal of Clinical Endocrinology and Metabolism*, 92(4):1334-9.
    - Spotlighted in Endocrine News: Trends and Insights for the Endocrine Community: *Androgens lower in anorexia nervosa women*. April 2007.

### Peer Reviewed Chapters

43. \*Guthrie, D., \*Boring, B.L., \*Maffly-Kipp, J., **Mathur, V.A.**, Hicks, J.A. (2022). The experience of meaning in life in the context of pain-related disability. In Wehmeyer, M.L. & Dunn, D.S. (Eds.) *The Positive Psychology of Personal Factors: Implications for Understanding Disability*. (Ch. 10). Lanham, MD: Lexington Books.
44. Chiao, J.Y. & **Mathur, V.A.** (2016). Cultural neuroscience of pain and empathy. In Chiao, J.Y., Li, S., Seligman, R., Turner, R. (Eds.) *Handbook of Cultural Neuroscience*. (Ch. 18). Oxford, UK: Oxford University Press.
45. Chiao, J.Y., Blizinsky, K.D., **Mathur, V.A.**, Cheon, B.K. (2012). Culture-gene coevolution of empathy and altruism. In Oakley, B., Knafo, A., Madhavan, G., Wilson, D.S. (Eds.) *Pathological Altruism* (Ch. 22). Oxford, UK: Oxford University Press.

### Book Review

46. Chiao, J.Y. & **Mathur, V.A.** (2010). The Brain's Pleasure [review of *Pleasures of the Brain*]. *PsychCRITIQUES*.

### Manuscripts Under Review

1. Schramm, S., Börner-Schröder, C., Ramschütz, C., Reichert, M., Androulakis, X., Ashina M., Coppola, G., Cucchiara, B., Dong, Z., Du X., Fischer-Schulte, L.H., Goadsby, P., Häckert Christensen, R., Henderson, L., Hougaard, A., Jianreng, L., Juhasz, G., Karsan, N., Kong, J., Lee, J., Lee, M.J., Linnman, N.C., **Mathur, V.A.**, May, A., Mehnert, J., Moulton, E., Niddam, D., Schoenen, J., Seminowicz, D.A., Stankewitz, A., Tu, Y., Veréb, D., Yin, T., Zimmer, C., Heinen, F., Baum, T., Bonfert, M.V., Sollmann, N. Consensus Recommendations to Establish Reporting Standards in Functional Magnetic Resonance Imaging of Migraine: A Delphi Study. *R&R*.
2. \*Boring, B.L. & **Mathur, V.A.** Gender discrimination is associated with greater chronic pain interference.

### GRANTS

#### Current

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| 2024-2025 | <i>Novel Multilevel Chronic Pain Intervention Development via Interdisciplinary and Community Partnership</i><br>Texas A&M Research Leadership Fellowship Seed Grant<br>Role: Principal Investigator   |
| 2023-2024 | <i>Building Epistemic Inclusiveness to Support the Next Generation of Diversity Science Scholars</i><br>Inclusive Excellence Major Innovation Grant<br>College of Arts & Sciences, Texas A&M University<br>Role: Multiple Principal Investigator |
| 2022-2025 | <i>Nature-based Therapy: A Socioecological and RE-AIM Approach to Treating Disaster-related PTSD in Flood-vulnerable Communities</i><br>National Academy of Sciences, Engineering, and Medicine<br>Role: Co-Principal Investigator               |
| 2022-2024 | <i>Aversive Information Processing Biases in Nicotine Dependence</i>   |

National Cancer Institute (NCI) R21  
Role: Co-Investigator

### Under Review

2024-2027 *Community-partnered research to identify and address social drivers of chronic pain disparities*  
National Institute of Neurological Disorders and Stroke (NINDS) R34  
Role: Principal Investigator

### Completed (selected)

2020-2023 *Improving Maternal Health Equity and Decreasing Racial Disparities through Transdisciplinary Research and Collaborating in the Brazos Valley*  
Texas A&M Presidential Clinical Research Partnership (PCRP) Grant  
Role: Multiple Principal Investigator

- Transdisciplinary research project with TAMU + community partners. Our first pilot studies from a project entitled *Disparities in Labor Pain and Pain Management* (funded by a proof of concept grant) provided preliminary data and team infrastructure for this larger project.

2019-2023 *Components of Selection History and the Control of Attention*  
National Institute on Drug Abuse (NIDA) R01  
Role: Co-Investigator

2019-2023 *Programmable Surroundings: Their Impact On Human Behavior, Cognition, And Health*  
Texas A&M T3 Triads for Transformation  
Role: Co-Principal Investigator

2017-2023 *Collaborative Research: The Texas A&M System AGEP Alliance: A Model to Advance Historically Underrepresented Minorities in the STEM Professoriate (AGEP TxARM)*  
National Science Foundation (NSF)  
Role: Co-Investigator

2021 *Experiences of Pregnancy Pain Invalidation*  
College of Liberal Arts Summer Research Grant Program  
Role: Principal Investigator

2017-2019 *Social mechanisms of psychophysical pain disparities*  
APS Future Leaders in Pain Research Grant  
Role: Principal Investigator

2017-2018 *Neural Mechanisms of Attention to Pain Cues*  
Texas A&M Division of Research PESCA Grant  
Role: Co-Principal Investigator

2017-2018 *Disparities in Labor Pain and Pain Management*  
Texas A&M Liberal Arts Social Science Consortium Proof of Concept Grant  
Role: Co-Principal Investigator

2012-2014 National Institutes of Health Ruth L. Kirschstein National Research Service Award T32  
Program Directors: Gayle G. Page, RN, DNSc & Jennifer A. Haythornthwaite, Ph.D.  
Role: Post-doctoral Fellow

2012 *Racial Disparities in the Subjective and Neurobiological Processing of Pain Perception and Experience*  
Northwestern University Graduate Research Grant  
Role: Principal Investigator

2010-2012 *A Neural Investigation of the Effects of Racial Group Membership and Discrimination on the Experience of Pain*  
Midwest Pain Society Robert G. Addison and E. Richard Blonsky Research Grant  
Role: Principal Investigator

### Mentorship and Student Focused Grants

2023 U.S. Senator Phil Gramm Fellowship Award, Graduate Mentee: \*[Brandon Boring](#)

2022 College of Liberal Arts Summer Dissertation Fellowship Award, Graduate Mentee: \*[Brandon Boring](#)

2022 Elizabeth A. Qualls '89 Endowed Fellowship, Graduate Mentee: \*[Hanan Guzman](#)

2022 US Association for the Study of Pain Young Investigator Award, Graduate Mentee: \*[Brandon Boring](#)

2021 Society for Personality and Social Psychology Travel Award, Graduate Mentee: \*[Brandon Boring](#)

2017-2020 *Environmental Threat-Related Attention Bias and Physiological Pain Response*  
National Science Foundation Graduate Research Fellowships Program (NSF GRFP)  
Graduate Mentee: \*[Namrata Nanavaty](#)

Role: Primary Mentor/Faculty Sponsor  
 2020 International Association for the Study of Pain Travel Award, Graduate Mentee: \*Namrata Nanavaty  
 2019 American Pain Society Young Investigator Travel Award, Graduate Mentee: \*Brandon Boring  
 2018 American Pain Society Young Investigator Travel Award, Graduate Mentee: \*Namrata Nanavaty  
 2017 Bush Presidential Library Undergraduate Travel Grant, Undergraduate Mentee: \*\*Mollie Adams  
 2016 *Promoting the Recruitment, Retention, and Success of Graduate Students from Diverse Backgrounds*  
 Innovative Graduate Student Recruitment Grant  
 Texas A&M University Office of Graduate and Professional Studies  
 Role: Co-Investigator & Student Mentor

## INVITED TALKS & ADDRESSES

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- 2023 *Reimagining pain disparities research: Societal drivers of pain, and societal intervention as pain intervention* (October 26). Invited speaker, Critical Approaches to Pain Research (CASPR) Webinar Series.
- 2023 *Reimagining pain disparities research.* (October 24). Invited speaker, Biobehavioral Pediatric Pain group, Stanford University.
- 2022 *Looking upstream: Social and cultural contributors to pain and disparity.* (July 14). Invited speaker, NIH Pain Seminar Series.
- The NIH Pain Seminar Series features presentations by **national leaders in the field of pain.** (<https://www.nccih.nih.gov/news/events/pain-seminar>)
- 2022 *Understanding pain disparities through an injustice lens.* (August 31). Invited speaker, UIC Social & Personality Psychology Brown Bag.
- 2021 *Discrimination as a social determinant of pain.* (May 24). Invited speaker and panelist, NIH Pain Consortium Annual Symposium. Panel on *The impact of social determinants of health on chronic pain and pain management*, annual theme *Pain and Pandemics: Challenges and Opportunities in the Current Social and Healthcare Climate.*
- The Pain Consortium coordinates efforts across all institutes and centers at NIH to promote pain research and accelerate the impact of pain research on national health including advocacy and impacts on policy. Invited speakers are **recognized leaders and innovators in pain research.**
- 2020 *Race-based discrimination and inequity in pain.* (December 3). Invited speaker and panelist, Examining the interface between race and pain from a justice perspective, racial inequities and injustice in the modern pain context. Virtual Meeting of the American Psychosomatic Society *Pursing Health Equity in the Context of COVID-19: The Essential Role of Psychosomatic Science.*
- 2020 *Cultural conceptions of women's labor pain.* (September 4). The Jose Miguel Cimadevilla Memorial Seminar Series, St. Mary's University, San Antonio, TX (via zoom).
- Part of the Maximizing Access to Research Careers (MARC) Undergraduate Student Training in Academic Research (U\*STAR) program dedicated **to providing students from underrepresented backgrounds with high impact research experiences and mentorship.**
- 2018 *Combating multiple levels of suffering: Sociocultural and social neuroscientific approaches to pain disparities* (February 15). Diversity Science: Emerging Perspectives in Psychology conference, University of Arkansas, Fayetteville, AR.
- 2014 *Sociocultural modulation of neurobiological pain and empathic processes.* (September 26, 2014). Transdisciplinary symposium. University of Colorado-Denver, Denver, CO.
- 2014 *Effects of migraine on the brain.* (February 7, 2014). Blaustein Multidisciplinary Pain Conference, Johns Hopkins Hospital, Baltimore, MD.
- 2013 *Sociodemographic differences in pain.* (March 22, 2013). Blaustein Multidisciplinary Pain Conference, Johns Hopkins Hospital, Baltimore, MD.
- 2011 *Culturally-shared and culturally-specific influences on the neural basis of intergroup empathy for emotional pain.* (April 16, 2011). Center for Culture, Mind, and the Brain Annual Conference, Ann Arbor, MI.

## CONFERENCE PRESENTATIONS

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(trainees/early career scientists underlined: postdoctoral fellow, \*graduate student, #postgraduate, \*\*undergraduate)

## Talks, Symposia, Workshops, and Paper Paper Presentations

1. **Mathur, V.A.**, (2024). *Reimagining Pain Disparities: Societal Drivers of Pain and Societal Interventions*. In Topical Workshop entitled *Understanding Disparities and Inequities: A Critical Approach to Pain Through the Lens of Racism*. 19<sup>th</sup> World Congress on Pain, Amsterdam, Netherlands.
2. \***Paganini, G.A.**, \***Weaver, A.**, Ruben, M., **Mathur, V.A.**, Lloyd, E.P. (2024). Assessing application of stereotypes to cisgender, transgender, and nonbinary individuals. 96<sup>th</sup> Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
3. Thurston, I., **Mathur, V.A.**, Simons, L., Noel, M. (2023). Shifting the chronic pain paradigm: Addressing the urgent need to adopt a structural re-conceptualization of this rising public health epidemic. Division 54 Session, American Psychological Association Convention 2023, Washington DC.
4. Morris, T., **Mathur, V.A.**, Ma, P., Wells-Beede, E., Ni, Y. (2023). Gendered health inequalities in Texas: Contexts, policies, and solutions. Workshop, 101<sup>st</sup> Annual Meeting of the Southwestern Social Science Association, Fort Worth, TX.
5. Morris, T., **Mathur, V.A.** (2022). Women's expectations of and experiences with labor pain: A longitudinal study. 92<sup>nd</sup> Annual Meeting of the Eastern Sociological Society, Boston, MA.
6. \***Boring, B.L.**, \***Walsh, K.T.**, \***Nanavatv, N.**, \***Guzman, H.**, **Mathur, V.A.** (2021). *Shame mediates the relationship between pain invalidation and depression*. Virtual Meeting of the Society for Personality and Social Psychology, Health Preconference.
  - \*Selected by the review committee to be featured as a data blitz talk
7. \***Walsh, K.T.**, \***Boring, B.L.**, \***Nanavatv, N.**, \***Guzman, H.**, **Mathur, V.A.** (2021). *The weight of invalidation: Experiences of pain invalidation from family and friends predicts internalized weight stigma*. Virtual Meeting of the Society for Personality and Social Psychology, Health Preconference.
  - \*Selected by the review committee to be featured as a data blitz talk
8. **Mathur, V.A.**, (2020). *Race-based discrimination and inequity in pain*. In panel entitled *Examining the interface between race and pain from a justice perspective* focused on racial inequities and injustice in the modern pain context. Virtual Meeting of the American Psychosomatic Society *Pursuing Health Equity in the Context of COVID-19: The Essential Role of Psychosomatic Science*.
9. Morris, T., \***Rowe, K.**, **Mathur, V.A.**, (2020). *It's All (Not) In Their Heads: Women's Expectations and Experiences with Labor Pain & Treatment*. Paper Presentation – Sex and Gender Roundtable, 114<sup>th</sup> Annual Meeting of the American Sociological Association, San Francisco, CA. (meeting cancelled due to the COVID-19 pandemic).
10. Morris, T., **Mathur, V.A.**, \***McNamara, K.** (2019). *Cultural conceptions of women's labor pain and labor pain management*. Paper Presentation, 114<sup>th</sup> Annual Meeting of the American Sociological Association, New York, NY.
11. **Mathur, V.A.** & \***Nanavatv, N.** (2019). *Pain experience and physiology among Latinx and White Americans*. Symposium Presentation in *Emerging perspectives on sociodemographic disparities in pain* session. 20<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, Portland, OR.
12. Morris, T., **Mathur, V.A.**, \***McNamara, K.** (2018). *Stratification in perceptions and beliefs about women's labor pain and pain management*. Paper Presentation, Sociology of Reproduction Miniconference, Annual Meeting of the Eastern Sociological Society, Baltimore, MD.
13. **Mathur, V.A.** (2017). *Racial bias, discrimination, and disparities in pain*. Symposium Talk, Session: *Social Factors in Pain*, chair: Jennifer Crocker. 29<sup>th</sup> Association for Psychological Science Annual Convention, Boston, MA.
14. **Mathur, V.A.**, Quiton R.L. & Goodin, B.R. (2017). Co-organized Symposium: *Social determinants of pain disparities: community-, clinical-, and neuroimaging-level evidence*. Speaker, 36<sup>th</sup> Annual Scientific Meeting of the American Pain Society, Pittsburgh, PA.
15. **Mathur, V.A.**, Khan, S.A., Hubbard, C.S., Keaser, M.L., Goyal, M., Seminowicz, D.A. (2014). *Pain and cognitive neural processing in migraine and the influence of disease severity and pain catastrophizing*. Oral Presentation, Pain Imaging: From Neural Circuits to Perception Nanosymposium, 44<sup>th</sup> Annual Meeting of the Society for Neuroscience, Washington, DC.
16. Campbell, C.M., Buenaver, L., Christensen, B., Thaxton, L., Hand, M., **Mathur, V.**, Williams, K. (2014). *Pain and psychosocial aspects of individuals with Marfan Syndrome*. Oral Presentation, 9<sup>th</sup> International Symposium on Marfan Syndrome and Related Disorders, Paris, France.
17. **Mathur, V.A.** (2013). *Experience with discrimination is associated with increased pain-related neural response*. Oral Presentation, Clinical and Basic Science Data Blitz at the 32<sup>nd</sup> Annual Scientific Meeting of the American Pain Society, New Orleans, LA.
18. Cheon, B.K., Im, D., Harada, T., **Mathur, V.A.**, Scimeca, J., Park, H., Chiao, J.Y. (2010). *Minding their pain: Cultural variation in mentalizing region activity for the emotional pain of ingroup relative to outgroup*



members. Symposium Presentation, 4th Annual Social and Affective Neuroscience Conference, Chicago, IL.

19. **Mathur, V.A.** (2010). *Effects of race on pain perception and empathy*. Oral Presentation, Chicago Psychology Graduate Student Research Symposium, Chicago, IL.
20. Chiao, J.Y. & **Mathur, V.A.** (2010). *Cultural neuroscience and environmental conservation: How does human diversity affect environmental sustainability?* Paper Presentation, KLI-IIASA Workshop on The Human Brain and the Social Bond: Exploring the Notion of Constrained Relativism. Vienna, Austria.
21. **Mathur, V.A.**, Harada, T., Chiao, J.Y. (2009). *Neural basis of intergroup empathy and altruistic motivation*. Oral Presentation, Emotion and Social Interaction Nanosymposium of the 39th Annual Meeting of the Society for Neuroscience, Chicago, IL.
22. Cheon, B.K., Im, D., Harada, T., **Mathur, V.A.**, Scimeca, J., Park, H., Chiao, J.Y. (2009). *Cultural variation in ingroup empathic neural response within the temporo-parietal junction*. Oral Presentation, Emotion and Social Interaction Nanosymposium of the 39th Annual Meeting of the Society for Neuroscience, Chicago, IL.
23. Miller, K.K., Lawson, E., **Mathur, V.**, Wexler, T., Meenaghan, E., Misra, M., Herzog, D., Klibanski, A. (2007). *Androgens in women with anorexia nervosa and normal-weight women with hypothalamic amenorrhea*. Oral Presentation, 89th Annual Meeting of the Endocrine Society, Toronto, ON, Canada.
24. Utz, A.L., Lawson, E.A., Lee, E.E., **Mathur, V.A.**, Minihan, J.L., Misra, M., Herzog, D.B., Klibanski, A., Miller, K.K. (2006). *PYY predicts body mass index and bone mineral density in women with anorexia nervosa*. Oral Presentation, 88th Annual Meeting of the Endocrine Society, Boston, MA.

## Posters

1. \***Boring, B.L.** & **Mathur, V.A.** (2023). *Daily fluctuations in feelings of state shame are associated with greater daily pain severity and interference*. 3<sup>rd</sup> Annual Meeting of the US Association for the Study of Pain (USASP), Durham, NC.
2. \***Boring, B.L.**, \*\***Richter, A.**, **Mathur, V.A.** (2022). *Higher self-perceived stress reactivity is associated with increased odds for the development of chronic pain*. 2<sup>nd</sup> Annual Meeting of the US Association for the Study of Pain (USASP), Cincinnati, OH.
  - \*Selected by the Psychosocial Factors and Interventions SIG for inclusion as a data blitz talk
3. \***Boring, B.L.**, \***Walsh, K.T.**, **Ng, B.W.**, **Mathur, V.A.** (2022). *Experiencing pain invalidation is associated with underreporting of pain by emerging adults in clinical settings*. Annual Meeting of the Society for Personality and Social Psychology, Health Preconference., San Francisco, CA.
4. \***Boring, B.L.** & **Mathur, V.A.** (2021). *Optimism is associated with lower pain interference among people with chronic pain*. 22<sup>nd</sup> Annual Meeting of the Society for Personality and Social Psychology.
5. \***Rassu, F.S.**, \*\***Luedke, J.C.**, **Mathur, V.A.**, Meagher, M.W. (2021). *Is Social Status Linked to Pain Sensitivity Responses for Latinx-Americans? The Role of Social Mobility*. Annual Rehabilitation Psychology Conference, virtual meeting.
6. \***Boring, B.L.**, \***Nanavaty, N.**, \***Walsh, K.T.**, \***Guzman, H.**, **Mathur, V.A.** (2020) *Daily, but not lifetime discrimination is associated with greater pain interference in those with chronic pain*. Inaugural meeting of the US Association for the Study of Pain (USASP).
7. \***Walsh, K.T.**, \***Nanavaty, N.**, \***Boring, B.L.**, \***Guzman, H.**, **Mathur, V.A.** (2020). *Discrimination experienced by Latinx American college students is associated with enhanced temporal summation of pain*. Inaugural meeting of the US Association for the Study of Pain (USASP).
8. \***Nanavaty, N.**, \***Boring, B.L.**, \***Walsh, K.T.**, **Mathur, V.A.** (2020). *Racial segregation in schools is associated with greater pain*. IASP 2020 World Congress on Pain, Amsterdam. (meeting cancelled due to the COVID-19 pandemic)
9. \***Boring, B.L.**, Hicks, J.A., \***Nanavaty, N.**, \***Walsh, K.T.**, **Mathur, V.A.** (2020). *Purpose in life is associated with a decreased risk of the development of chronic pain*. IASP 2020 World Congress on Pain, Amsterdam. (meeting cancelled due to the COVID-19 pandemic)
10. \***Rassu, F.S.**, \*\***Luedke, J.C.**, \***Nanavaty, N.**, **Mathur, V.A.**, Meagher, M.W. (2020). *Social status is linked to greater mechanical temporal summation of pain in Hispanic Americans*. IASP 2020 World Congress on Pain, Amsterdam. (meeting cancelled due to the COVID-19 pandemic)
11. \***Nanavaty, N.**, \***Boring, B.L.**, \***Walsh, K.T.**, **Mathur, V.A.** (2020). *Facets of discrimination and laboratory pain*. Next Generation Pain Therapeutics: from Basic Science to the Clinic conference, Houston, TX. (meeting cancelled due to the COVID-19 pandemic)
12. \***Boring, B.L.**, \***Nanavaty, N.**, \***Walsh, K.T.**, **Mathur, V.A.** (2020). *Subjective age predicts pain interference*. Next Generation Pain Therapeutics: from Basic Science to the Clinic conference, Houston, TX. (meeting cancelled due to the COVID 19 pandemic)
13. \***Walsh, K.T.**, \***Nanavaty, N.**, \***Boring, B.L.**, **Mathur, V.A.** (2020). *Experienced ostracism and pain sensitivity: A mini meta-analysis*. Next Generation Pain Therapeutics: from Basic Science to the Clinic conference, Houston, TX. (meeting cancelled due to the COVID-19 pandemic)

14. \*Boring, B.L. & **Mathur, V.A.** (2020). *Social support quality predicts the experience of subclinical back pain*. 21<sup>st</sup> Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA.
15. \*Rassu, F.S., \*Nanavatv, N., **Mathur, V.A.**, Meagher, M.W. (2019). *Enhanced temporal summation of mechanical pain in Hispanic relative to non-Hispanic White adults*. American Psychological Association (APA) Annual Convention, Chicago, IL.  
– \*Recipient, APA Division 12 Clinical Psychology of Ethnic Minorities Student Research Award
16. \*Boring, B.L., \*Nanavatv, N., **Mathur, V.A.** (2019). *Subjective age is associated with temporal summation of mechanical pain*. Annual Scientific Meeting of the American Pain Society, Milwaukee, WI.
17. \*Nanavatv, N., \*Boring, B.L., **Mathur, V.A.** (2019). *Disparities in laboratory pain amongst Latinx- and White-Americans*. Annual Scientific Meeting of the American Pain Society, Milwaukee, WI.
18. **Mathur, V.A.** (2019). *Social mechanisms of psychophysical pain disparities*. Annual Scientific Meeting of the American Pain Society, Milwaukee, WI.
19. \*Rassu, F.S., \*\*Luedke, J.C., Turney, J., **Mathur, V.A.**, Meagher, M.W. (2019). *Enhanced suprathreshold heat pain sensitivity in healthy hispanic relative to non-hispanic white adults: a preliminary examination*. Annual Scientific Meeting of the American Pain Society, Milwaukee, WI.
20. Ng, B.W., \*Nanavatv, N., **Mathur, V.A.** (2019). *How bad does my pain have to be?: Intergroup differences in the motivation to seek medical care*. 20<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, Portland, OR.
21. \*Kim, H., \*Nanavatv, N., **Mathur, V.A.**, Anderson, B.A. (2018). *Neural correlates of attentional bias following aversive conditioning: Evidence for valence-independent mechanisms of priority*. The Object Perception, Attention, and Memory (OPAM) conference, New Orleans, LA.
22. \*Carter, J.E., \*Nanavatv, N., \*\*Hernandez, B., Ng, B.W., **Mathur, V.A.**, Carter-Sowell, A.R. (2018). *Developing a therapy model to improve pathways to the professoriate for underrepresented minority (URM) identified graduate students in STEM fields*. Alliance for Graduate Education and the Professoriate (AGEP) National Research Conference, Berkeley, CA.
23. Ng, B.W., \*\*Cline, M.B., \*\*Hayes, J.E., **Mathur, V.A.** (2018). *How much pain do you really feel? Intergroup differences in pain perception among Hispanic/Latinx Americans and White Americans*. American Pain Society Scientific Summit, Anaheim, CA.
24. \*Kim, H., \*Nanavatv, N., **Mathur, V.A.**, Anderson, B.A. (2018). *Neural mechanisms of attentional bias following aversive conditioning*. Annual Meeting of the Vision Sciences Society, St. Pete Beach, FL.
25. \*Nanavatv, N., \*\*Bannwart, L., **Mathur, V.A.** (2018). *Behavioral threat-avoidance is associated lower heat-pain thresholds in healthy volunteers*. American Pain Society Scientific Summit, Anaheim, CA.
26. **Mathur, V.A.**, \*\*Peoples, S., \*\*Nair, M., \*Nanavatv, N. (2018) *Gender differences in the relationship between subjective socioeconomic status and laboratory pain*. American Pain Society Scientific Summit, Anaheim, CA.
27. \*\*Adams, M., \*\*Nair, M., \*Carter, J., \*\*Haley, M., \*Nanavatv, N., Carter-Sowell, A., **Mathur, V.A.** (2017). *Lifetime experiences of ostracism are associated with psychophysical pain facilitation*. 18<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX.
28. \*Carter, J., \*\*Nair, M., \*\*Adams, M., Carter-Sowell, A., **Mathur, V.A.** (2017). *Threat-based discrimination is associated with temporal summation of mechanical pain*. 18<sup>th</sup> Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX.
29. Speed, T.J., **Mathur, V.A.**, Christensen, B., Williams, K., Sponseller, P., Campbell, C.M. (2016). *Characterization of Pain, Disability, and Psychological Burden in Marfan Syndrome*. 35<sup>th</sup> Annual Scientific Meeting of the American Pain Society, Austin, TX.
30. **Mathur, V.A.**, Burrows, S.A.B., Keaser, M.L., Khan, S.A., Goyal, M., Seminowicz, D.A. (2015). *Changes in pain-related brain activity following a mindfulness meditation intervention in chronic migraine are associated with reduced anxiety*. Pain Imaging and Perception, 45<sup>th</sup> Annual Meeting of the Society for Neuroscience, Chicago, IL.
31. **Mathur, V.A.**, \*Boyd, E.L., Quiton, R.L. (2015). *Optimism is associated with decreased bilateral anterior insula activity during a conditioned pain modulation paradigm*. 34<sup>th</sup> Annual Scientific Meeting of the American Pain Society, Palm Springs, CA.
32. **Mathur, V.A.**, Haywood Jr., C., Bediako, S., Edwards, R.R., Campbell, C.M., Haythornthwaite, J.A. (2014). *Discrimination in health care settings is associated with greater clinical and laboratory pain in sickle cell disease*. 33<sup>rd</sup> Annual Scientific Meeting of the American Pain Society, Tampa, FL.
33. **Mathur, V.A.**, Bond, K., Carroll, C.P., Finan, P., Edwards, R.R., Haythornthwaite, J.A., Campbell, C.M. (2014). *Situational, dispositional and disease-specific catastrophizing in sickle cell disease*. 33<sup>rd</sup> Annual Scientific Meeting of the American Pain Society, Tampa, FL.
34. Campbell, C.M., Tompkins, D.A., **Mathur, V.A.**, Schoeck, O., McCauley, L., Swedberg, L., Edwards, R.R., Smith, M., Haythornthwaite, J.A. (2014). *Ethnic differences in Interleukin 6 and Neuropeptide Y response to*

*capsaicin in healthy participants*. 33rd Annual Scientific Meeting of the American Pain Society, Tampa, FL.

35. Bediako, S., **Mathur, V.A.**, Haythornthwaite, J.A., Campbell, C.M. (2014). *Ethnic identity attitudes and pain sensitivity in sickle cell disease*. 33rd Annual Scientific Meeting of the American Pain Society, Tampa, FL.
36. Carroll, C.P., Campbell, C.M., Finan, P., **Mathur, V.A.**, Edwards, R.R., Lanzkron, S., Haythornthwaite, J.A. (2014). *Recent opioid use is specifically associated with greater thermal temporal summation in sickle cell disease patients*. 33rd Annual Scientific Meeting of the American Pain Society, Tampa, FL.
37. **Mathur, V.A.** & Paice, J. (2013). *Racial differences in neural response to the acute pain of other people*. 32nd Annual Scientific Meeting of the American Pain Society, New Orleans, LA.
38. **Mathur, V.A.**, Paice, J., Chiao, J.Y. (2012). *Differential racial biases in pain perception and empathy when utilizing explicit versus implicit measures*. 14th World Congress on Pain, Milan, Italy.
39. **Mathur, V.A.**, Paice, J., Chiao, J.Y. (2012). *Independent effects of perceiver race on pain perception and empathy*. 31st Annual Scientific Meeting of the American Pain Society, Honolulu, HI.
40. **Mathur, V.A.**, Harada, T., Chiao, J.Y. (2011). *Racial identification modulates default network activity for same- and other-races*. 18th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
41. **Mathur, V.A.**, Paice, J., Chiao, J.Y. (2011). *Racial prejudice predicts an own-race bias in pain perception*. 12th Annual Meeting of the Society for Personality and Social Psychology, San Antonio, TX.
42. **Mathur, V.A.**, Harada, T., Chiao, J.Y. (2010). *Ethnic identification associated with default network activity when perceiving ethnic in-group members*. 4th Annual Social and Affective Neuroscience Conference, Chicago, IL.
43. **Mathur, V.A.**, Paice, J., Chiao, J.Y. (2010). *Race affects sensitivity to the pain of other people*. 33rd Annual Scientific Meeting of the Midwest Pain Society, Chicago, IL.
44. **Mathur, V.A.**, Paice, J., Chiao, J.Y. (2010). *The effects of implicit racial priming on the relationship between trust and empathy for pain*. 29th Annual Scientific Meeting of the American Pain Society, Baltimore, MD.
45. **Mathur, V.A.**, Harada, T., Cheon, B.K., Scimeca, J., & Chiao, J.Y. (2009). *Empathic neural response to living things as a function of agency and experience*. 16th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
46. **Mathur, V.A.**, **Green, E.A.**, Chiao, J.Y. (2009). *The influence of religious beliefs on empathy*. 10th Annual Meeting of the Society for Personality and Social Psychology, Psychology of Religion & Spirituality Preconference, Tampa, FL.
47. Cheon, B.K., Im, D., Harada, T., **Mathur, V.A.**, Scimeca, J., Park, H., Chiao, J.Y. (2009). *Universal and culturally specific neural basis of ingroup bias in empathy*. 16th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
48. Cheon, B.K., Im, D., Harada, T., Kim, J., **Mathur, V.A.**, Scimeca, J., Park, H., Chiao, J.Y. (2009). *Cultural variation in empathic neural response to ingroup and outgroup members*. 10th Annual Meeting of the Society for Personality and Social Psychology, Culture Preconference, Tampa, FL.
49. **Mathur, V.A.**, Harada, T., Lipke, T., Chiao, J.Y. (2008). *Anterior cingulate cortex activation predicts degree of same-race bias in empathic response to perceived pain*. 2nd Annual Social & Affective Neuroscience Conference, Boston, MA.
50. **Wojcik, M.**, Miller, K.K., Lawson, E.A., Meenaghan, E., **Mathur, V.**, Rosenblum, L., Misra, M., Herzog, D., Klibanski, A. (2008). *Protective effects of prior obesity on bone mass in anorexia nervosa*. 90th Annual Meeting of the Endocrine Society, San Francisco, CA.
51. Lawson, E.A., Miller, K.K., **Mathur, V.A.**, Lee E.E., Misra, M., Grinspoon, S., Herzog, D.B., Klibanski, A. (2006). *Cardiovascular risk markers in anorexia nervosa*. 88th Annual Meeting of the Endocrine Society, Boston, MA.

## TEACHING

### CLASSROOM INSTRUCTION

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#### Interests

*Interdisciplinary*: Pain, Health Disparities, Diversity Science

*Psychology*: Research Methods, Health Psychology, Physiological Psychology, Cultural Psychology

*Neuroscience*: Social Neuroscience, Cultural Neuroscience, Cognitive and Affective Neuroscience

#### Experience

Texas A&M University

### **Pain Psychology (PBSI 408/629)**

20 students; Developed as a New Course for Fall 2024; Stacked UG/G Course

### **Research Methods and Design in Psychology (PBSI 302)**

84-125 students and 4-6 lab sections per class; 1-2 classes per semester; writing intensive (W) course; undergraduate  
10 semesters: F23, S23, F22, F21# (x2), S21\*, F19†, S19, S18, F17, S17\*

#Development and implementation of new activities related to critical thinking and navigation of misinformation

^Large synchronous online course, development and implementation of new low stakes homework assignments and remote testing methods

†Development and implementation of lab redesign

\*3 sections during first semester teaching this course

### **Health Psychology and Behavioral Medicine (PBSI/NRSC 360)**

30-80 students per class; cross listed course; undergraduate

3 semesters: F18, S18, S16

### **Health Psychology of Disparities (PBSI 689)**

6-10 graduate students; cross-area course involving training in NIH grant-writing

2 semesters: S21, F16

### **Team-Taught Course: Principals of Neuroscience II (NRSC 602/BIOL 682)**

13-20 graduate students; I cover (lecture + grading) the topic of *Pain* for this team-taught course

4 semesters: S18, S19, S21, S22

### **Undergraduate Research (NRSC 485, Honors NRSC 485; NRSC 491; Honors NRSC 491; PBSI 485; Honors PBSI 485; PBSI 491)**

67 students since S16; all students take at least 2 semesters, and most continue until graduation

Every semester, including summers; up to 15 students per semester

### **Graduate Research (PBSI 685, PBSI 691)**

Every semester starting S17; 1-4 students per semester

## *Northwestern University*

### **Research Methods in Psychology (Psych 205)**

22 students; taught both the lecture and lab; involved intensive instruction in idea generation, study design, data collection and analysis, and scientific writing; writing intensive course

1 quarter: S11

### **Health Psychology (Psych 314)**

20 students; new course prep that was not offered at NU at the time

1 quarter: F10

### **Teaching Assistant for:**

Statistical Methods (Psych 201) 1 quarter: S10

Research Methods (Psych 205) 1 quarter: W09

Personality Psychology (Psych 215) 1 quarter: W08

Introduction to Schools of Psychotherapy (Psych 314) 1 quarter: S08

Psychology of Gender (Psych 339) 1 quarter: F11

Cultural Psychology (Psych 344) 1 quarter: S09

### Guest Lectures

2022 *Solutions, strategies, and reflections for a more equitable and diverse social science*, Equity & Diversity

Considerations for Scholars: A Critical Orientation to Research (PBSI 689), Texas A&M University

2021 *Pain discrimination and disparities in humans*, Neuroscience Overview (PSYC 101), Texas A&M University

2019 *Undergraduate research in social neuroscience and pain*, First Year Experience (PSYC 289), Texas A&M University

2018 *Social neuroscience of intergroup empathy*, Advanced Seminar in Social Neuroscience, University of Arkansas

2018 *Physiological and implicit methods*, Research Methods (PSYC 302), Texas A&M University

2016 *An interdisciplinary approach to pain disparities*, First Year Graduate Seminar, Texas A&M University

2014 *Social neuroscience of pain*, Topics in Behavioral Medicine Graduate Seminar, University of Maryland, Baltimore County.

2010 *Mentoring*, Searle Center for Teaching Excellence, Northwestern University

2008 *The neural substrates of empathy*, Introduction to Schools of Psychotherapy, Northwestern University

### Certifications and Formal Training

- 2015 Creating a Mentoring Culture, Faculty Teaching Academy, The Dean of Faculties Office & The Center for Teaching Excellence, Texas A&M University
- 2012 Graduate Teaching Certificate, Northwestern University Searle Center for Teaching Excellence (Certificate Program: Sept. 2009 – June 2012)
- 2010 Certificate in the Teaching of Psychology, Northwestern University, Psychology Department (Certificate Program: Sept. 2009 – June 2010)
- 2010 Preparing for Classes that Aren't Your Specialty, Northwestern University Searle Center for Teaching Excellence
- 2009 Making the Most of Mentoring, Northwestern University Searle Center for Teaching Excellence
- 2009 Working with Student Writing, Northwestern University Searle Center for Teaching Excellence
- 2007 Teaching Assistant Conference, Northwestern University Searle Center for Teaching Excellence

## **MENTORING**

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### Postdoctoral Fellows

#### **Brandon W. Ng, PhD – 2017- 19**

- \*Connaught Summer Institute in Pain scholarship – 2019
- currently visiting Assistant Professor in the Department of Psychology at the University of Richmond

### Graduate Trainees

#### *Primary Advisor/Chair*

Current:

**Klarissa Lopez** – Texas A&M University (Social & Personality Psychology) – currently in 2<sup>nd</sup> year

**Diya Dharmendran** – Texas A&M University (Social & Personality Psychology) – currently in 1<sup>st</sup> year

Graduates:

#### **Brandon L. Boring, PhD – Texas A&M University (Social & Personality Psychology) – 2024**

- currently Postdoctoral fellow, Kent State University
- \*PBSI Nominee for the College of Arts and Science's Graduate Student Achievement in Research Award – 2024
- \*U.S. Senator Phil Gramm Fellowship Award – 2023
- \*Runner-up, United States Association for the Study of Pain's G.F. Gebhart Journal of Pain Young Investigator Award – 2023
- \*January USASP Trainee Spotlight – 2023
- \*College of Liberal Arts Summer Dissertation Fellowship – 2022
- \*Selected by the Psychosocial Factors and Interventions SIG for inclusion as a data blitz talk at the 2022 USASP meeting
- \*USASP Young Investigator Travel Award - 2022
- \*Selected by the Social and Personality Psychology Health Network (SPHN) to present a featured data blitz talk at the 2021 SPSP Health Preconference
- \*Society for Personality and Social Psychology Annual Convention Travel Award – 2021
- \*American Pain Society Young Investigator Travel Award – 2019

#### **Namrata Nanavaty Vasquez, PhD – Texas A&M University (Clinical Psychology) – 2022**

- currently Licensed Clinical Psychologist and Constance M. and Byron F. Dyer Fellow at Houston Methodist Psychiatry & Behavioral Health and Adjunct Clinical Assistant Professor at Texas A&M College of Medicine
- \*Psychology Fellow, Department of Behavioral Health, Houston Methodist – 2022-24
- \*Clinical Internship at the Houston VA Medical Center - 2021
- \*National Science Foundation Graduate Research Fellowship Program (NSF GRFP) Fellow – 2017-20
- \*Texas A&M University Graduate Diversity Fellowship in Psychology – 2016-21
- \*Division 12 Section VI Student Research Award, American Psychological Association (APA) Annual Meeting – 2019
- \*American Pain Society Young Investigator Travel Award – 2018
- \*Graduate Student Research Competition Award, NSF AGEP National Conference – 2018
- \*Distinguished Research Poster, 25<sup>th</sup> Annual ARMADILLO Cognition & Cognitive Neuroscience Southwest Regional Conference at Texas A&M – 2017
- \*Lechner Scholar, Lechner Graduate Grant, College of Liberal Arts, Texas A&M University – 2016

#### **Kaitlyn T. Walsh, MS – Texas A&M University (Social & Personality Psychology) – 2022**

- \* Selected by the Social and Personality Psychology Health Network (SPHN) to present a featured data blitz talk at the 2021 SPSP Health Preconference
- \*2020 Best 2<sup>nd</sup> Year Poster Award, 3<sup>rd</sup> place, from the Department of Psychological and Brain Sciences

### *Committee Member*

## Current:

Yue Zhang – Texas A&M University (Landscape Architecture & Urban Planning)  
Emily Johnson Raibley – Texas A&M University (Social & Personality Psychology)  
Rebecca Ward – Texas A&M University (Social & Personality Psychology)  
Dun-Ya Hu – Texas A&M University (Cognition & Cognitive Neuroscience)  
Percy Gresham – Texas A&M University (Social & Personality Psychology)

## Graduates: (\*faculty position; +postdoctoral fellow or research; #medical career)

Caitlyn Maye – Texas A&M University (Clinical Psychology) – clinical internship  
Darby Salge – Texas A&M University (Educational Psychology, School Psychology) – 2024  
\*Katarina AuBuchon, PhD – The George Washington University (Applied Social Psychology) – 2023  
\*Jaren Crist, PhD – Texas A&M University (Social & Personality Psychology) – 2023  
+Tiffany George, PhD – Texas A&M University (Social & Personality Psychology) – 2023  
Trang (Megan) Nguyen, PhD – Texas A&M University (Educational Psychology, Learning Sciences) – 2023  
+Haena (Hannah) Kim, PhD – Texas A&M University (Cognition & Cognitive Neuroscience) – 2022  
+Terence Penn, PhD – University of Alabama at Birmingham (Clinical Psychology) – 2022  
\*Hua-qing Wang, PhD – Texas A&M University (Urban and Regional Sciences) – 2021  
\*Kyle Dickey, PhD – Texas A&M University (Social & Personality Psychology) – 2020  
\*Fenan Rassu, PhD – Texas A&M University (Clinical Psychology) – 2020  
+Angus David Clark, PhD – Texas A&M University (Social & Personality Psychology) – 2018  
+Hans Linsenhardt, PhD – Texas A&M University (Neuroscience) – 2018  
\*Carla Zimmerman, PhD – Texas A&M University (Social & Personality Psychology) – 2017  
Matthew Nye, MS – Texas A&M University (Neuroscience) – 2016

## Non-committee Mentoring:

Hanan Guzman – Texas A&M University (Cognition & Cognitive Neuroscience) – 2020-2022  
Hanggi Lee, RN, MPH – Texas A&M University (Public Health, Epidemiology) – 2017-2018  
Jane EM Carter, PhD – Texas A&M University (Clinical Psychology) – 2015-2017  
Eryka Boyd, PhD – University of Maryland, Baltimore County (Clinical Psychology) – 2013-2018

## Undergraduate and Postgraduate Trainees

(\*academic/research career; #medical/clinical career)

### Texas A&M University (n=79)

Bayo Amusan (2024- )	Jaya Koka (2023- )	Priscilla Abraham (2019-20)
Dipesh Balakrishnan (2023- )	Yousuf Mir (2023- )	Marguerite Anderson (2017-20)
Eden Barr (2024- )	Izabelle Regnier (2023- )	Madison Aycock (2019-20)
Montae Bermudez (2019- )	Alondra Villegas-Avila (2023- )	Grant Barkelew (2019-20)
Jenna Bowdich (2023- )	Anna Willits (2023- )	Chase Bruckner (2019-20)
Christopher Bui (2022- )	DeArse Howard (2022-23)	Kaylee Buchanan (2019-20)
Nick De Oliveira (2023- )	Kamryn (Kiki) Salsedo (2022-23)	Jonathan Glenn (2019-20)
Sriyuktha Ghanta (2024- )	Katherine Jaffe (2022)	Karen Kaur (2019-20)
Kristion Kennerson (2023- )	Lennon Lemay (2022)	David Morgado (2019-20)
Jaya Koka (2023- )	Myriam Moreno (2022)	Donovan Taylor (2020)
Soumika Kothapalli (2024- )	Rose Joseph (2021-22)	Sanya Varma (2018-20)
Yousuf Mir (2023- )	Tammy Ly (2019-20; 2022)	Claire Anderson (2019)
Izabelle Regnier (2023- )	Katie-Beth Craig (2020-21)	Kyisha Butcher (2018-19)
Alondra Villegas-Avila (2023- )	Briana Mitchell (2020-21)	Karina Cabrera (2018-19)
Abdullah Cheema (2022-24)	Alida Demeter (2019-21)	Leslie Chaffin (2018-19)
Anna Willits (2023-24)	Paul Forks (2019-21)	Madison Cortez (2017-19)
Dipesh Balakrishnan (2023- )	Avery Nennmann (2019-21)	Meredith Gary (2017-19)
Montae Bermudez (2019- )	Jamie Nguyen (2019-20; 2021)	Xochitl Fuentes (2019)
Jenna Bowdich (2023- )	Aketch Osamba (2020-21)	Nevita George (2017-19)
Christopher Bui (2022- )	Nathan Ramsey (2019-21)	Travis Hyatt (2018-19)
Abdullah Cheema (2022- )	Alison Richter (2020-21)	Catherine Kuykendall (2019)
Nick De Oliveira (2023- )	Cassidy Seale (2018-21)	Jamie Loasby (2019)
Kristion Kennerson (2023- )	Zachary Skrehot (2019-21)	Taylor Medina (2019)

Evan Nault (2019)  
Ria Rao (2018-19)  
Scott Shi (2019)  
Evelyn Stewart-Johnson (2018-19)  
Fallon Wenck (2018-19)  
Melinda Hale (2018)  
Hannah Lewer (2018)  
Matthew Cline (2016-18)

Sarah Peoples (2016-18)  
Darby Salge (2018)  
Humza Ahmed (2016-2018)  
Jordan Hayes (2017-18)  
Megan Marsico (2017-18)  
Breanna Hernandez (2017-18)  
James Connor Price (2017)  
Rahul Sirigiri (2016-17)

Lane Bannwart (2016-17)  
Mollie Adams (2015-17)  
Magdalena Banda (2016)  
Meron Haley (2016)  
Mitra Nair (2015-16)  
Jennifer Van Horn (2016)

*Northwestern University (n=2)*

Michael Muzyka (2011-12)

Warda Saeed (2011-12)

*Massachusetts General Hospital (n=5)*

Noah Merhar, OD (2007)  
Thomas Dohlman, MD (2006-07)  
Monica Wojcik, MD (2005-07)  
Melissa Goldin Evans, PhD (2006)

High School Student

Ranait O'Connor (2007-09), Illinois Math and Science High School Academy (IMSA)

Mentoring Programs

APA Summer Undergraduate Research Opportunity Program at Texas A&M University, 2016  
Northwestern University Psychology Resources and Information Supporting Minorities (PRISM), 2011

**SERVICE**

**PROFESSIONAL SERVICE**

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Editorial Service

Editorial Board

*The Journal of Pain*, 2021-2025

Guest Editor (invited)

*Health Psychology*, Special Issue on Pain Disparities, 2023-2025

Ad Hoc Reviewer

*Annals of Behavioral Medicine*  
*American Psychologist*  
*Behavior Research Methods*  
*Biological Psychology*  
*Brain Research*  
*Clinical Journal of Pain*  
*Cultural Diversity & Ethnic Minority Psychology*  
*Current Biology*  
*Ethnicity & Health*  
*Human Brain Mapping*  
*Journal of Applied Biobehavioral Research*  
*Journal of Behavioral Medicine*  
*Journal of Cognitive Neuroscience*  
*Journal of Cross-Cultural Psychology*  
*Journal of Experimental Psychology: General*

*The Journal of Pain*  
*Journal of Personality and Social Psychology (JPSP)*  
*Neuroimage*  
*Neuropsychology*  
*Nursing Outlook*  
*PAIN*  
*Pain Medicine*  
*Pain Reports*  
*PLOS One*  
*Proceedings of the National Academy of Sciences (PNAS)*  
*Progress in Brain Research*  
*Psychological Science*  
*Social Cognitive & Affective Neuroscience (SCAN)*  
*Social Service Review*  
*Social Psychological and Personality Science (SPPS)*

Synergistic Community Service

Leadership

2023-present Co-Founder, Community Pain Network (CPN)

## Talks/Forums

- 2024 *Perspectives from a pain neuroscientist: Social influences on chronic pain.* (April 18). Invited guest, Chronic Pain Support Group, College Station, TX.
- 2024 *CPN Community Forum: Pain education.* (April 29). Co-Host/Moderator, Public Library, Bryan, Texas.

## National Service and Service to the Field

- 2024 Panelist, NIH Workshop on *Advancing Health Equity in Pain Management through Community Engagement, Multi-level Interventions, and Research Collaborations*
- Expected to result in a white paper to disseminate workshop findings & toolkit on developing multi-level pain interventions
- 2020-Present Member, Anti-Racism Coalition in Pain Research (ACTION-PR), aka the *Pain Justice League*
- Development of shared commitments, publication of anti-racism series in pain research
  - Development of recommendations for journal review guidelines to improve diversity, generalizability, and transparency
- 2022-Present Member, Inclusion, Diversity, Equity, Accessibility, and Antiracism (IDEAA) committee
- Collaboration between ACTION-PR and the Journal of Pain
  - Implementation of recommendations for journal review guidelines to improve diversity, generalizability, and transparency at the Journal of Pain

## *US Association for the Study of Pain (USASP)*

- 2019-2020 Founding member  
Organizing/planning committee  
Representative for pain disparities research

## *American Pain Society (APS)*

- 2017-2019 Chair, Pain and Disparities Shared Interest Group (SIG)
- Elected chair for the final 2 years of my 8 years of service in elected positions on this committee.  
**Leadership and impact** on the field of pain + efforts to address pain disparities and advance pain equity.
  - Our work resulted in a publication in press: *Making pain research more inclusive: Why and how.*
- 2017-2019 Judge, Early Career Poster Award
- 2014-2019 Board Member, Early Career Advisory Group
- 2017-2018 Liason, Early Career Advisory Group representative to the SIG Chairs Committee
- 2016-2017 Vice Chair, Pain and Disparities SIG
- 2012-2016 Secretary, Pain and Disparities SIG
- 2015 Consultant, Early Career Forum Planning Committee

## *Society for Personality and Social Psychology (SPSP)*

- 2011 Reviewer, Student Poster Awards

## *Grant Reviews*

- 2021 NIH Special Emphasis Panel to review applications for NIMHD Understanding and Addressing the Impact of Structural Racism and Discrimination on Minority Health and Health Disparities (R01 Clinical Trial Optional), November 15-17
- 2018 NIH Special Emphasis Panel/Scientific Review Group 2018/08 ZRG1 ETTN-U (81) S, Pain Research and Management, May 17
- 2016 Sam Houston State University Office of Research and Sponsored Programs, external reviewer for internal research grant (Enhancing Research Grant)

## University Service

### *Texas A&M Human Imaging Facility*

- 2022 Member, Scientific Advisory Board

### *Texas A&M Division of Research*

- 2017 Reviewer, PESCA Grant

### *Texas A&M Excellence Uniting Culture, Education, and Leadership (ExCEL) Student Success Program*

- 2018 Speaker, New Student Workshop on Biopsychosocial Health



### *Texas A&M University Institute for Neuroscience (TAMIN)*

2018 Diversity Fellowship Nominator, Graduate Recruiting Committee  
2016-2018 Member, Graduate Recruiting Committee  
2016, 2017 Judge, TAMIN Society for Neuroscience (SfN) Chapter Poster Session

### Departmental Service

#### *Texas A&M University, Department of Psychological and Brain Sciences*

2024 Coordinator, Social & Personality Psychology Area Brownbag  
2023 302 (Research Methods) Assessment Task Force  
2022-23 Convenor, Diversity Science Research Cluster  
2021-23 Member, Diversity, Equity, & Inclusion Committee  
– 2022 & 2023 Accountability, Climate, Equity, and Scholarship (ACES) Faculty Fellows Program  
Departmental Search Committee  
2017-21 Member, Diversity & Inclusion Committee  
2020 Coordinator, Social & Personality Psychology Area Brownbag  
2019-20 Member, Faculty Search Committee  
2019-20 Member, Subcommittee on departmental human subjects and payment procedures  
2017 Development of new building lab space recommendations, human subjects research representative  
2016 Member, Spinal Cord Faculty Search, Psychology Subcommittee  
2016 Member, Search Committee (R. Smith lab, research technician)  
2015 Member, Diversity Sciences Search Committee

#### *Northwestern University*

2010-11 Panelist, New Psychology TA Workshop  
2008-09 Co-organizer, Neuroeconomics Journal Club  
2008 Organizer, Social, Cultural and Affective Neuroscience Journal Club

### Membership in Professional Societies

US Association for the Study of Pain (USASP)	International Association for the Study of Pain (IASP)
American Psychological Association (APA)	Society for Personality and Social Psychology (SPSP)
Society for Neuroscience (SfN)	Society for Psychological Study of Social Issues (SPSSI)

### Training and Career Development (selected)

2023 Mayday Pain & Society Fellows Science Communication Workshop  
2023 National Center for Faculty Development & Diversity (NCFDD) Post-Tenure Pathfinders Program  
2019 STRIDE Training – Strategies and Tactics for Recruiting to Improve Diversity and Excellence  
2019 Green Dot Training – Bystander intervention training  
2019 Step In Stand Up Workshop – How to support survivors of trauma  
2019 Aggie Ally – Completed training to provide support and safe space for LGBTQ students  
2018 National Center for Faculty Development & Diversity (NCFDD) Faculty Success Program  
2016 Fundamentals of Pain Management: An Interdisciplinary Primer, American Pain Society  
2015 Search Committee Training, The Dean of Faculties Office, Texas A&M University