

Rae Anne M. Martinez

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APPOINTMENTS

9/2023 – Present **Postdoctoral Fellow**
Minnesota Population Center, University of Minnesota

EDUCATION

8/2023 **PhD, Epidemiology**
Gillings School of Global Public Health, University of North Carolina at Chapel Hill

5/2019 **Master of Science in Public Health, Epidemiology**
Gillings School of Global Public Health, University of North Carolina at Chapel Hill

8/2014 **Bachelor of Science, Molecular & Cellular Biology**
Honors College, University of Arizona

5/2014 **Bachelor of Arts, Sociology**
University of Arizona

RESEARCH INTERESTS

Mechanisms of biological embedding • epigenetics • stress dysregulation/toxic stress • early life adversity
• historical and contemporary conceptualizations of race and ethnicity • social stratification • structural racism • sci communication • race and ethnicity in epidemiologic methods

PROFESSIONAL EXPERIENCE

5/2021 – 05/2022 **Research Assistant**, Department of Epidemiology, UNC Chapel Hill
Preceptors: Drs. Allison Aiello, Julie Daniels, & Brian Pence
Worked with a faculty liaisons and core methods course instructors to develop and integrate health equity, justice, and anti-racism content *across 5 core methods courses* in the Department of Epidemiology. See for details: <https://doi.org/10.17615/hzg4-9837>

8/2018 – 8/2023 **Biosocial Research Practicum**, Carolina Population Center, UNC Chapel Hill
Preceptors: Drs. Allison Aiello & Robert Hummer

8/2016 – 8/2018 **Research Assistant**, Department of Epidemiology, UNC Chapel Hill
PI: Dr. Joanna Maselko, Gillings School of Global Public Health

6/2014 – 6/2016 **Research Associate**, Translational Genomics Research Institute (TGen)
PI: Dr. Bodour Salhia Lab, Integrated Cancer Genomics Division

8/2013 – 5/2014 **Research Assistant**, University of Arizona Cancer Center, University of Arizona
PI: Dr. Joyce Schroeder

5/2013 – 8/2013 **Helios Scholar**, Translational Genomics Research Institute (TGen)
PI: Dr. Bodour Salhia Lab, Integrated Cancer Genomics Division

Peer-Reviewed Journal Articles – Accepted or Published

1. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. (2022) Conceptualization, operationalization, and utilization of race and ethnicity in major epidemiology journals 1995-2018: a systematic review. *Am J Epidemiol*. Ahead of print. <https://doi.org/10.1093/aje/kwac146>
2. Dennis, A. C., Chung, E., Lodge, E., **Martinez, R.A.**, Wilbur, R. (2021) “Looking Back to Leap Forward: A Framework for Operationalizing the Structural Racism Construct in Minority Health Research.” *Ethn Dis*. 2021; 31(Suppl 1): 301-310. <https://doi.org/10.18865/ed.31.S1.301>
3. Tew, B.Y., Legendre, C., Schroeder, M.A., Triche, T, Gooden, G.C., Huang, Y., Butry, L., Ma, D.J., Johnson, K., **Martinez, R.A.**, Pierobon, M., Petricoin, E. F., O’Shaughnessy, J., Osborne, C., Tapia, C., Buckley, D.N., Glen, J., Bernstein, M., Sarkaria, J.N., Toms, S.A., Salhia, B. (2020) Patient-derived xenografts of central nervous system metastasis reveal expansion of aggressive minor clones. *Neuro Oncology*, 22(1): 70-83. <https://doi.org/10.1093/neuonc/noz137>
4. Legendre, C., Gooden, G.C., Johnson, K., **Martinez, R.A.**, Kiefer, J., Bernstein, M., Glen, J., Gorgol, L., Hinek, A., Toms, S., Tew, B.Y., Salhia, B. (2019) Isolation and characterization of Patient-Derived CNS Metastasis-Associated Stromal Cell Lines. *Oncogene*,38(21), 4002-2014. <https://doi.org/10.1038/s41388-019-0680-2>
5. Legendre, C., Gooden, G.C., Johnson, K., **Martinez, R.A.**, Liang, W.S., Salhia, B. (2015). Whole-genome bisulfite sequencing of cell-free DNA identifies signature associated with metastatic breast cancer. *Clinical Epigenetics*, 7(1), 100. <https://doi.org/10.1186/s13148-015-0135-8>
6. Salhia, B., Kiefer, J., Ross, J., Metapally, R., **Martinez, R.A.**, et al. (2014). Integrated Genomic and Epigenomic Analysis of Breast Cancer CNS Metastasis. *PLOS ONE* 9(1). <https://doi.org/10.1371/journal.pone.0085448>

Peer-Reviewed Journal Articles – Under Review

1. **Martinez, R.A.**, Howard, A.G., Fernández-Rhodes, L., Maselko, J., Pence, B., Dhingra, R., Galea, S., Uddin, M., Wildman, D.E., Aiello, A. Does biological age mediate the relationship between childhood adversity and depression? Insights from the Detroit Neighborhood Health Study. *Under review*.
2. Dhruv, H., Simon, T., **Martinez, R.A.**, Gale, M., Gooden, G., Buckley, D., Hjelm, B., Bollman, S., Petricoin, E., Pierobon, M., Lenz, HJ., Fonseca, R., Salhia, B. JMJD1C depletion impairs oxidative stress response and leads to apoptosis-independent cell death in multiple myeloma. *Revise & resubmit*.
3. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. Conceptualization, operationalization, and utilization of race and ethnicity in major medical journals 1995-2018: a systematic review. *Under review*. Available as preprint from *medRxiv*. <https://doi.org/10.1101/2022.03.07.22271661>

Peer-Reviewed Journal Articles – In preparation

1. Dennis, A. C., Chung, E., Lodge, E., **Martinez, R.A.**, Wilbur, R. Considering the Role of Structural Racism in the Development, Evolution, and Maintenance of Racial and Ethnic Health Disparities: Implications for Future Research. *Manuscript in preparation*.
2. **Martinez, R.A.**, Howard, A.G., Fernández-Rhodes, L., Maselko, J., Pence, B., Aiello, A. Dimension of biological aging: examining measurement validity with confirmatory factor analysis. *Manuscript in preparation*.

3. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. The more things change, the more they stay the same: A cross-disciplinary comparison of race and ethnicity in health scholarship. *Manuscript in preparation*
4. Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N., **Martinez, R.A.** Conceptualization, operationalization, and utilization of race and ethnicity in medical sociology journals 1995-2018: a systematic review *Manuscript in preparation*.

ACADEMIC, NON-PEER REVIEWED WRITINGS

1. **Martinez, R.A.**, Smith, N.R., Wilbur, R.E., Andrabi, N., Goodwin, A.N., Zivich, P.N. (2023) Threats to equity: Missing methodological details about race and ethnicity. *Health Affairs Forefront*. <https://doi.org/10.1377/forefront.20230310.613486>
2. **Martinez, R.A.**, Smith, N.R., Andrabi, N., Goodwin, A.N., Wilbur, R.E., Zivich, P.N. (2021, January 6). "Beyond the Boxes, Part 6: Final Thoughts & Gratitude to Our Communities." *IAPHS Blog*. <https://iaphs.org/beyond-the-boxes-part-6-final-thoughts-and-gratitude-to-our-communities/>
3. **Martinez, R.A.**, Smith, N.R., Andrabi, N., Goodwin, A.N., Wilbur, R.E., Zivich, P.N. (2020, December 7). "Beyond the Boxes, Part 5: Analysis & Interpretation Race & Ethnicity." *IAPHS Blog*. <https://iaphs.org/beyond-the-boxes-part-5-analysis-and-interpretation-of-race-and-ethnicity/>
4. **Martinez, R.A.**, Smith, N.R., Andrabi, N., Goodwin, A.N., Wilbur, R.E., Zivich, P.N. (2020, November 23). "Beyond the Boxes, Part 4: Complication in Coding Race & Ethnicity." *IAPHS Blog*. <https://iaphs.org/beyond-the-boxes-part-4-complications-in-coding-race-and-ethnicity/>
5. **Martinez, R.A.**, Smith, N.R., Andrabi, N., Goodwin, A.N., Wilbur, R.E., Zivich, P.N. (2020, November 16). "Beyond the Boxes, Part 3: Measuring Race & Ethnicity to Align with Your Research." *IAPHS Blog*. <https://iaphs.org/beyond-the-boxes-part-3-measuring-race-and-ethnicity-to-align-with-your-research/>
6. **Martinez, R.A.**, Smith, N.R., Andrabi, N., Goodwin, A.N., Wilbur, R.E., Zivich, P.N. (2020, November 9). "Beyond the Boxes, Part 2: Defining Race & Ethnicity." *IAPHS Blog*. <https://iaphs.org/beyond-the-boxes-part-2-defining-race-and-ethnicity/>
7. **Martinez, R.A.**, Smith, N.R., Andrabi, N., Goodwin, A.N., Wilbur, R.E., Zivich, P.N. (2020, September 9). "Beyond the Boxes, Part 1: Guiding Questions for Thoughtfully Measuring & Interpreting Race in Population Health Research." *IAPHS Blog*. <https://iaphs.org/beyond-the-boxes-part-1-guiding-questions-for-thoughtfully-measuring-and-interpreting-race-in-population-health-research/>

NON-ACADEMIC WRITINGS & SELECTED MEDIA APPEARANCE

1. **Martinez, R.A.**, Andrabi, N. (2022, August 10) "How epidemiology researchers discuss race and ethnicity." *Carolina Population Center News*. <https://www.cpc.unc.edu/news/how-epidemiology-researchers-discuss-race-and-ethnicity/>
2. **Martinez, R. A.**, Mallory, A. (2021, March 1) "The Past, Present, and Future of the IAPHS Student Committee." *IAPHS Blog*. <https://iaphs.org/the-past-present-and-future-of-the-iaphs-student-committee/>
3. Gutiérrez, M., **Martinez, R. A.**, Staley, B. (2021, March 8) "Introducing the Next Generation of Racism Scholars, Part 1: Brittney Butler & Alana Keller" *IAPHS Blog*. <https://iaphs.org/introducing-the-next-generation-of-racism-scholars/>
4. Gutiérrez, M., **Martinez, R. A.**, Staley, B. (2021, March 16) "Introducing the Next Generation of Racism Scholars, Part 2: Rebekah Israel Cross" *IAPHS Blog*. <https://iaphs.org/introducing-the-next-generation-of-racism-scholars-rebekah-israel-cross/>

5. **Martinez, R. A.**, Staley, B. (2021, March 24) "Introducing the Next Generation of Racism Scholars, Part 3: Tongtan (Bert) Chantarat & Mónica Gutiérrez." *IAPHS Blog*. <https://iaphs.org/introducing-the-next-generation-of-racism-scholars-part-3-tongtan-bert-chantarat-and-monica-gutierrez/>
6. Esposito, M. (Host). (2020, December 14). Measurement and Conceptualization in Population Health Science: New Directions in Understanding Inequality (No. 6) [Audio podcast episode]. In *Sick Individuals, Sick Populations*. IAPHS. <https://podcasts.apple.com/us/podcast/6-measurement-conceptualization-in-population-health/id1537168421?i=1000501965408>

CONFERENCE ORAL PRESENTATIONS – *Presenting author(s).

1. **Martinez, R.A.** Session moderator and organizer for: "Language and Rigor: A conversation on the role of language in epidemiology." *SER*. April 2023.
2. **Martinez, R.A.** Plenary session moderator for: "The questions we ask" with Dr. Eduardo Bonilla-Silva. *IAPHS 8th Annual Meeting*. Minneapolis, MN. September, 2022.
3. Chung, E., Glover, L., LeMasters, K., Lodge, E. K., **Martinez, R.A.**, *Staley, B. S., Wright, M. A. Improving pedagogy: A doctoral student initiative to integrate race and ethnicity into the epidemiology curriculum. *SER 54th Annual Meeting*. **Virtual Event due to COVID-19**. June 2021.
4. ***Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. A systematic review of the use of race and ethnicity in U.S. medical and epidemiologic research. *SER 53rd Annual Meeting*. **Virtual Event due to COVID-19**. December 2020.
5. ***Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. A cross-disciplinary, systematic review of race and ethnicity in U.S. population health research. *IAPHS 6th Annual Meeting*. **Virtual Event due to COVID-19**. October, 2020.
6. *Dennis, A. C., Chung, E., Lodge, E., **Martinez, R.A.**, Wilbur, R. Structural Racism and the Development and Maintenance of U.S. Racial and Ethnic Health Disparities. *Medical Sociology Roundtable, 115th Annual ASA Meeting*. **Virtual Event due to COVID-19**. August 2020.
7. ***Martinez, R.A.** Innovations in Biosocial Research and Training. *Southern Demographic Association: 2018 Annual Meeting*. Durham Convention Center, Durham, North Carolina. October 2018.
8. ***Martinez, R.A.** ATAD2: Potential Therapeutic Target for Breast Cancer to Central Nervous System (CNS) Metastasis. *2013 Helios Scholars at TGEN: Intern Symposium*. Renaissance Phoenix Downtown Hotel Phoenix, Arizona. July 2013.

CONFERENCE POSTER PRESENTATIONS – *Presenting author

1. ***Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N., Aiello, A.E., Hummer, R.A. A systematic review of the use of race and ethnicity in US medical research. 41st Annual Minority Health Conference. UNC Chapel Hill, Chapel Hill, NC. February 2020.
2. ***Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N., Aiello, A.E., Hummer, R.A. A systematic review of the use of race in population health medical research. *Inaugural Thomas M. Carsey Graduate Student Symposium*. UNC Chapel Hill, Chapel Hill, NC. November 2019.
3. ***Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N., Aiello, A.E., Hummer, R.A. A systematic review of the use of race in population health medical research. *IAPHS 5th Annual Meeting*. The Sheraton Seattle Hotel Seattle, WA. October 2019.

4. ***Martinez, R.A.**, Martin, C., Noppert, G., Ward-Caviness, C., Uddin, M., Galea, S., Koenen, K.C., Wildman, D.E., Aiello, A.E. Childhood adversity and indicators of immune and epigenetic aging in adulthood. *SER 52th Annual Meeting. The Hyatt Regency Minneapolis, MN. June 2019.*
5. ***Martinez, R.A.**, Martin, C., Noppert, G., Ward-Caviness, C., Uddin, M., Galea, S., Koenen, K.C., Wildman, D.E., Aiello, A.E. Childhood adversity and indicators of immune and epigenetic aging in adulthood. *Symposium on Biosocial Approaches to Population Health Across the Life Course. Carolina Population Center, UNC Chapel Hill, Chapel Hill, NC. May 2019.*
6. ***Tew, B.Y.**, Legendre, C., Triche, T., Gooden, G.C., Johnson, K., **Martinez, R.A.**, Petricoin, E. F., Pierobon, M., O'Shaughnessy, J., Osborne, J., Schroeder, M.A., Ma, D.J., Bernstein, M., Sarkaria, J.N., Toms, S.A., Salhia, B. Development and characterization of patient derived xenografts from central nervous system metastasis reveal minor clone expansion linked with aggressive tumor behavior. *AACR Annual Meeting. Chicago, Illinois. July 2018.*
7. Legendre, C., Gooden, G.C., Johnson, K., **Martinez, R.A.**, Bernstein, M., Glen, J., Kiefer, J., Hinek, A., Toms, S.A., ***Salhia, B.** Human mesodermal-derived CNS metastasis-associated stromal cells induce a fibrotic response to limit tumor growth. *AACR Annual Meeting. Washington, D.C. July 2017.*
8. ***Martinez, R.A.**, O'Donnell, K., Sikander, S., Rahman, A., Maselko, J. Adverse Childhood Experiences and developmental outcomes of children in rural Pakistan. *SER 50th Annual Meeting. The Seattle Westin Seattle, WA. June 2017.*
9. Legendre, C., Gooden, G.C., Johnson, K., **Martinez, R.A.**, ***Salhia, B.** Whole genome bisulfite sequencing from plasma of patients with metastatic breast cancer identifies putative biomarkers. *AACR Annual Meeting. Philadelphia, Pennsylvania. July 2015.*

DIDACTIC WORKSHOPS

1. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R. Best practices & common failings: Clear communication of race and ethnicity for public health. *The North Carolina Translational and Clinical Sciences Institute. March, 2023.*
2. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R. Best practices & common failings: Clear communication of race and ethnicity for public health. *Center for Pharmacoepidemiology. January, 2023.*
3. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R. Best practices & common failings: Clear communication of race and ethnicity for public health. *IAPHS Preconference Workshop for the 8TH Annual Meeting. November, 2022.*
4. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R. Best practices & common failings: Clear communication of race and ethnicity for public health. *Robert Wood Johnson Foundation: Healthy Eating Research Annual Grantee Meeting. April 2022.*
5. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. Best practices & common failings: Clear communication of race and ethnicity for public health. *IAPHS Preconference Workshop for the 7TH Annual Meeting. September, 2021.*
6. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E., Smith, N.R., Zivich, P.N. Best practices & common failings: Clear communication of race and ethnicity for public health. *Carolina Population Center. September, 2021.*

The above are a four-hour, interactive workshop, facilitated by the authors. This workshop was designed to help participants of all training levels and of different health disciplines develop skills to thoughtfully communicate the use of race and ethnicity in their work. Workshops involved a combination of lecture and small group activities. Workshops highlight current cross-disciplinary practices in how race and ethnicity are

communicated in published manuscripts, common poor practices (i.e., ambiguous or outright harmful language), “best practices”, and the changes participants can make in their own scholarship.

INVITED PRESENTATIONS

1. **Martinez, R.A.** & Wilbur, R.E. Communicating race and ethnicity in U.S. population health research. *IMPACT Group. June 8th, 2023.*
2. **Martinez, R.A.** & Goodwin, A.N. Conceptualization & operationalization of race in epidemiology. *Global Epidemiology Lunch ‘n’ Learn series, AbbVie. April 11th, 2023.*
3. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N., Wilbur, R.E. A cross-disciplinary, systematic review of race and ethnicity in U.S. population health research. *FMSC 6060: Ethnic Families and Health Disparities. Department of Family Science, University of Maryland. October 7th, 2021.*
4. **Martinez, R.A.** Race and ethnicity in public health research: Nutrition. *Global Food Research Program. Gillings School of Global Public Health, UNC Chapel Hill. February 11th, 2021.*
5. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N. A cross-disciplinary, systematic review of race and ethnicity in U.S. population health research. *Environmental & Occupational Seminar. Gillings School of Global Public Health, UNC Chapel Hill. October 1st, 2020.*
6. **Martinez, R.A.**, Andrabi, N., Goodwin, A.N. A systematic review of the use of race in population health medical research. *Social Epidemiology Seminar. Gillings School of Global Public Health, UNC Chapel Hill. September 25th, 2019.*

TEACHING EXPERIENCE

1. **Developer & Co-Instructor** for *Socially Responsible Epidemiology (EPID 704)*. Graduate-level course. Department of Epidemiology, Gillings School of Global Public Health, UNC Chapel Hill. Fall Semester 2021.
2. **Guest Lecture**: “Conceptualization, Operationalization, & Use of Race in Epidemiology.” For *Analytic Methods in Observational Epidemiology (EPID718)*. Graduate-level course. Department of Epidemiology, Gillings School of Global Public Health, UNC Chapel Hill. October 1st, 2020.
3. **Teaching Assistant** for *Analytic Methods in Observational Epidemiology (EPID718)*. Graduate-level course. Supervised by Drs. Brain Pence and Steve Marshall. Department of Epidemiology, Gillings School of Global Public Health, UNC Chapel Hill. Fall Semester 2019.
4. **Teaching Assistant** for *Introduction to Social Epidemiology (EPID826)*. Graduate-level course. Supervised by Dr. Julia Ward. Department of Epidemiology, Gillings School of Global Public Health, UNC Chapel Hill. Fall Semester 2019.
5. **Guest Lecture**: “Conceptualization, Operationalization, & Use of Race in Epidemiology.” For *Fundamentals of Epidemiology (EPID710)*. Graduate-level course. Department of Epidemiology, Gillings School of Global Public Health, UNC Chapel Hill. November 21st, 2019.
6. **Guest Lecture**: “Reading and Writing Comics as Personal Narratives.” Undergraduate-level course. For *Honors College Colloquium: Special Topics in Fine Arts*. University of Arizona Tucson, Arizona. October 2011.

FUNDING SUPPORT & GRANTS

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| 2021 | P.E.O. Scholar Award, International Chapter of the P.E.O. Sisterhood (\$20,000) |
| 2020 | UNC Department of Sociology Pilot Funds (collaborator role; \$1,000) |
| 2018-21 | Interdisciplinary Training in Life Course Research (Biosocial) Training Grant: NIH T32 HD091058, Carolina Population Center (CPC) |
| 2017-18 | Reproductive, Perinatal, Pediatric Epidemiology (RPPE) Training Grant: NIH T32 HD052468, Gillings School of Global Public Health, UNC Chapel Hill |
| 2016 | Gillings Merit Scholarship, Gillings School of Global Public Health, UNC Chapel Hill (\$20,000) |
| 2014 | Galileo Circle Scholarship, University of Arizona (\$1,000) |
| 2010-14 | Wildcat Excellence Scholarship, University of Arizona (amount equivalent to tuition) |
| 2010-14 | Flinn Foundation Scholarship, Flinn Foundation (\$200,000) |

AWARDS & HONORS

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| 2019 | Interdisciplinary Association for Population Health Science Student Travel Scholarship |
| 2019 | Best Presentation, 2019 Carolina Population Center's Training Programs Hack-a-ton, Carolina Population Center, UNC Chapel Hill |
| 2017 | Epidemiology Department Student Travel Award |
| 2014 | Robie Gold Medalist, University of Arizona |

CERTIFICATES & EXTRACURRICULAR TRAININGS

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|---------|---|
| 08/2021 | Certificate in College Teaching, <i>hosted by:</i> UNC Summer Institute on College Teaching, UNC Chapel Hill |
| 01/2021 | Genomics for Social Scientists – Epigenetics, <i>hosted by:</i> Institute for Social Research, University of Michigan, National Institute on Aging: R25 AG 053227 |
| 10/2020 | Epigenomic Data Analysis, <i>hosted by</i> Canadian Bioinformatics Workshops |
| 07/2018 | Safe Zone Ally Training, <i>hosted by</i> LGBTQ+ Center, UNC Chapel Hill |
| 12/2017 | Certificate in Science Policy, <i>hosted by:</i> Training Initiatives in Biological and Biomedical Sciences (TIBBS) & Science Policy Advocacy Group (SPAG), UNC Chapel Hill |

PROFESSIONAL MEMBERSHIPS

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| 2021, 2023 | Population Association of America (PAA) |
| 2018-Present | Interdisciplinary Association for Population Health Science (IAPHS) |
| 2017-Present | Society for Advancement of Chicanos/Hispanics & Native Americans in Science (SACNAS) |
| 2016-Present | Society for Epidemiologic Research (SER) |
| 2014-Present | American Association for the Advancement of Science (AAAS) |
| 2014 – 2016 | American Associate for Cancer Research (AACR) |

ACTIVITIES & SERVICE

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|------------|---|
| 2022-2023 | Past Chair , Student Committee of Interdisciplinary Association for Population Health Science (IAPHS) |
| 2022 | Member , Awards Committee of Interdisciplinary Association for Population Health Science (IAPHS) |
| 2020-2021 | Board Member , Interdisciplinary Association for Population Health Science (IAPHS) |
| 2020-2021 | Chair , Student Committee of Interdisciplinary Association for Population Health Science (IAPHS) |
| 2020 | Member , Professional Development Committee (PDC) of Interdisciplinary Association for Population Health Science (IAPHS) |
| 2019-2020 | CPC Predoctoral Training Program Representative , Carolina Population Center, UNC Chapel Hill |
| 2018-2020 | Member , Student Committee of Interdisciplinary Association for Population Health Science (IAPHS) |
| 2018- 2019 | MSPH-PhD Student Representative , Graduate Studies Committee Department of Epidemiology, Gillings School of Global Public Health UNC Chapel Hill |
| 2013-2014 | Co-Editor-In-Chief , Arizona Journal of Interdisciplinary Studies UA Confluence Center for Creative Inquiry |
| 2012-2013 | Editor , Arizona Journal of Interdisciplinary Studies UA Confluence Center for Creative Inquiry |