

Curriculum Vitae

Paul R. Hernandez, Ph.D.

Department of Teaching, Learning, & Culture
 Department of Educational Psychology
 School of Education and Human Development
 Texas A&M University

Office: (979) 464-9229
 Fax: (979) 845-9663
 Email: prhernandez@tamu.edu

ACADEMIC APPOINTMENTS

- 2019—present **Associate Professor with Tenure:** Department of Teaching, Learning, & Culture, Department of Educational Psychology, Department of Psychological and Brain Sciences[†].
 School of Education and Human Development.
 Texas A&M University, College Station, TX
- 2014—2019 **Assistant Professor in Educational Psychology:** Learning Sciences and Human Development.
 College of Education and Human Development.
 West Virginia University, Morgantown, WV
- 2013—2014 **Assistant Professor in Education Sciences:** School of Education, CSU STEM Center[†],
 Department of Psychology[†].
 Colorado State University, Fort Collins, CO

[†]Courtesy Appointment

EDUCATION

2011—2013	Postdoctoral Research Fellow: School of Education & CSU STEM Center. Colorado State University, Fort Collins, CO
2007—2011	Ph.D. in Educational Psychology (Measurement, Evaluation and Assessment), <i>Certificate in Quantitative Research Methods</i> (2010). University of Connecticut, Storrs, CT Dissertation: A comparison of statistical models for multiple treatment groups meta-analysis. (Chair: H. Jane Rogers, Ph.D.)
2004—2007	M.A. in Experimental Psychology California State University San Marcos, CA Thesis: An exploration of translational differential item function in the CESD: An IRT approach. (Chair: Gerardo Gonzales, Ph.D.)
1998	B.A. in Sociology. University of California, Santa Barbara, CA

GRANTS & CONTRACTS

Under Review

Woodcock, A. (DPI), Schultz, P. W. (MPI), & **Hernandez, P. R. (MPI)**. *Research Experiences and Mentorship as Critical Interventions to Advance Diversity in Biomedical Science*, under review at the National Institutes of Health for \$1,815,747 (submitted 2022-10).

Hernandez, P. R. (DPI), Alge, D. (MPI), Patterson, M. (MPI), & Tise, J. (Co-I). *PROMoting Undergraduate Developmental Networks in Biomedical Engineering (PROUD Networks in BME)*, under review at the National Institutes of Health for \$1,815,272 (submitted 2022-10).

Active

10. **Hernandez, P. R.** (PI), Patterson, M. (Co-PI). *Collaborative Research: PROMoting Geoscience Research Education and Success (PROGRESS)* (#2013333), funded by the National Science Foundation for \$779,060 (2020-2025).
9. Woodcock, A. (PI), Haddad, K. (Co-PI), **Hernandez P. R.** (Co-I), Mayer, P. (Co-I), & Schultz, P. W. (Co-I). *Families for STEM Success* (U01GM138437-01), funded by the National Institutes of Health for \$860,333 (2020-2023).
8. Estrada, M. (PI), DeerInWater, K. (Co-I), & **Hernandez, P.R.** (Co-I). *Scaling Up Culturally Affirming Pathways to Biomedical Faculty Careers for Native Scholars* (R01GM138700), funded by the National Institutes of Health for \$1,935,347 (2020-2025).
7. Schultz, P. W. (PI), Woodcock, A. (Co-PI), & **Hernandez, P.R.** (Senior Personnel). *Becoming a Scientist: A Study of Identity Balance and the Persistence of Hispanic Undergraduate Students in Engineering and Biological Sciences* (#1920786), funded by the National Science Foundation for \$1,151,808 (2019-2024).
6. Broderick, N. (MPI), Estrada, M. (PD/PI), Handelsman, J. E. (MPI), & **Hernandez, P. R.** (MPI). *Studying Inclusive Mentor Networks to Diversify the Biomedical Workforce* (1 U01 GM132174-01), funded by the National Institutes of Health for \$3,423,913 (2019-2024).

Completed

5. Schultz, P. W. (PI), Woodcock, A. (Co-PI), & **Hernandez, P. R.** (Co-PI). *Developing a Measure of STEM Identity and Balance* (#1745929), funded by the National Science Foundation for \$300,000. (2017-2021).
4. Fisher, E. (PI), Barnes, R. (Co-PI), Clinton, S. (Co-PI), & **Hernandez, P. R.** (Co-PI). *Collaborative Research: Improving the recruitment and persistence of women in the Geosciences: Exploring deliberate mentoring approaches aimed at undergraduate students* (#1431795), funded by the National Science Foundation for \$1,717,072 (2014-2020).
3. Park, C. L (PD/PI), Williams, M. K. (MPI), Agocha, B. V. (co-I), **Hernandez, P. R.** (co-I). *Self-Regulation Skills as Predictors of URM Student Success in Biomedical Research* (R01-GM107707-01A1), funded by the National Institute of General Medical Sciences for \$1,549,013 (2014-2019).
2. Chen, T. (PI), Ben-Hur, A. (Co-PI), Wilusz, C. (Co-PI). *NRT-DESE: Generating, Analyzing, and Understanding Sensory and Sequencing Information--A Trans-Disciplinary Graduate Training Program in Biosensing and Computational Biology*, (#1450032) funded by the National Science Foundation for 2,966,134 (2015-2020).
Sub-award to **Hernandez P. R.** (External Evaluator) includes design, implementation, and analysis of the project evaluation (\$50,000).

1. De Miranda, M. A. (PI) & **Hernandez, P. R.** (Co-PI). *STEM Capacity Building and Teacher Professional Development Workshop: STEM Integration Level I* submitted to the Cherry Creek School District for \$14,602 (2013).

Total Grant Funding as (Co/M)PI: \$6,234,647

Total Grant Funding: \$11,781,148

PUBLICATIONS AND PRESENTATION

Impact

$N = 28$ peer reviewed journal publications | $n = 11$ (39%) as first, sole, or corresponding author | $n = 14$ (50%) with students under my supervision | Citations^a = 3,042 | h-index^a = 117 | i10-index^a = 20

^aGoogle scholar metrics as of 02/16/2023

NOTES for Scholarship:

* = Coauthored with student(s) or postdoc(s) under my supervision. †Graduate student/Postdoc; ‡Undergraduate student.

CRedit (Contributor Roles Taxonomy provided when not the first author): Conceptualization (Con), Methodology (Meth), Formal analysis (FA), Investigation (Inv), Data Curation (DC), Writing - Original Draft (W-OD), Writing - Review & Editing (W-RE), Visualization (Vis), Supervision (Sup), Funding acquisition (Fund)

Peer Reviewed Journal Articles

- *28. **Hernandez, P. R.**, Patterson, M. R., †Nyanamba, J. M., Adams, A. S., Barnes, R. T., Bloodhart, B., Burt, M., Clinton, S. M., Pollack, I., Fischer, E. V. (Accepted). Webs of science: Developmental networks influence women's integration into STEM fields. *Frontiers in Ecology and the Environment*.
- *27. †Bonilla, A., Schultz, W., Woodcock, A, **Hernandez, P. R.** (2023 online first). Diversifying STEM: Communal goal mismatch predicts student intentions. *Journal of Social Psychology of Education*. <https://doi.org/10.1007/s11218-022-09750-2>
CRedit: W-RE.
- *26. **Hernandez, P. R.**, †Ferguson, C. F., †Pedersen, R., Richards-Babb, M., Quedado, K., & Shook, N. J. (2023). Research apprenticeship training promotes faculty-student psychological similarity and high-quality mentoring: a longitudinal quasi-experiment. *Mentoring & Tutoring: Partnership in Learning*, 31(1), 163-183.
<https://doi.org/10.1080/13611267.2023.2164973>
- *25. Saw, G. K., Chang, C., †Lin, S., **Hernandez, P. R.**, & Culbertson, R. (2022 online first). Disparities in mentoring and mental health of US college students in science and engineering during the COVID-19 pandemic. *Educational Psychology*. <https://doi.org/10.1080/01443410.2022.2146055>
CRedit: W-RE.
- *24. Estrada, M., †Young, G., †Flores, L., **Hernandez, P. R.**, & DeerInWater, K. (2022). Culture and quality matter in building effective mentorship relationships with Native STEM scholars. *Bioscience*. <https://doi.org/10.1093/biosci/biac064>

2019 I.F.: 8.282; 5-Year I.F.: 8.033

CRedit: FA, W-RE.

- *23. †Henderson, H., Bloodhart, B., Adams, A., Barnes, R. T., Burt, M., Clinton, S. M., Godfrey, E., Pollack, I., Fischer, E. V., & **Hernandez, P. R.** (2022). Seeking Congruity for Communal and Agentic Goals: A Longitudinal Examination of U.S. College Women's Persistence in STEM. *Journal of Social Psychology of Education*.
<https://doi.org/10.1007/s11218-021-09679-y>
 2020 I.F.: 2.192; 5-Year I.F.: 3.020
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis, Sup, Fund.
- *22. †Pedersen, R. P., †Ferguson, C. F., Estrada, M., Schultz, P. W., Woodcock, A., **Hernandez, P. R.** (2022). Similarity and contact frequency promote mentorship quality among Hispanic undergraduates in STEM. *CBE—Life Sciences Education*, 21(2), ar27.
<https://doi.org/10.1187/cbe.21-10-0305>
 2019 I.F.: 2.241; 5-Year I.F.: 3.749;
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis, Sup, Fund.
- *21. †Lee, S. Y., Agocha, V. B., **Hernandez, P. R.**, Park, C. L., Williams, M., & †Carney, L. M. (2022). Coping styles moderate the relationship between perceived discrimination and eating behaviors during the transition to college. *Appetite*, 168, 105699. doi: 10.1016/j.appet.2021.105699
 2020 I.F.: 3.868; 5-Year I.F.: 4.726
CRedit: FA, W-OD, W-RE, Sup, Fund.
- *20. Park, C. L., Williams, M. K., **Hernandez, P. R.**, Agocha, V. B., †Lee, S. Y., †Carney, L. M., & †Loomis, D. (2020). Development of emotion regulation across the first two years of college. *Journal of Adolescence*, 84, 230-242. doi: 10.1016/j.adolescence.2020.09.009
 2019 I.F.: 2.284; 5-Year I.F.: 2.868
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis, Fund.
- *19. **Hernandez, P. R.**, Agocha, V. B., †Carney, L. M., Estrada, M., †Lee, S. Y., †Loomis, D., Williams, M., Park, C. L. (2020). Testing models of reciprocal relations between social influence and integration in STEM across the college years. *PLoS ONE*, 15(9), e0238250. doi:10.1371/journal.pone.0238250
 2019 I.F.: 2.740; 5-Year I.F.: 3.227
- *18. **Hernandez, P. R.**, Adams, A., Barnes, R. T., Bloodhart, B., Burt, M., Clinton, S. M., †Du, W., †Henderson, H., Pollack, I., & Fischer, E. V. (2020). Inspiration, inoculation, and introductions are all critical to successful mentorship for undergraduate women pursuing geoscience careers. *Communications Earth & Environment*, 1, 1-7. doi:10.1038/s43247-020-0005-y
 2021 I.F.: 7.290; 5-Year I.F.: N/A
- *17. Park, C. L., Williams, M., **Hernandez, P. R.**, Agocha, V. B., †Carney, L. M., †DePetrìs, A., & †Lee, S. Y. (2019). Self-regulation and STEM persistence in minority and non-minority students across the first year of college. *Social Psychology of Education*, 22, 91–112. doi:10.1007/s11218-018-9465-7
 2019 I.F.: 1.619; 5-Year I.F.: 2.215
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis, Fund.
- *16. **Hernandez, P. R.**, Bloodhart, B., Adams, A. S., Barnes, R. T., Burt, M., Clinton, S. M., †Du, W., Godfrey, E., †Henderson, H., Pollack, I., Fischer, E. V. (2018). Role modeling is a viable retention strategy for undergraduate women in the geosciences. *Geosphere*,

- 14(6), 2585-2593. doi:10.1130/GES01659.1
2019 I.F.: 2.577; 5-Year I.F.: 3.032
- *15. **Hernandez, P. R.**, †Hopkins, P. D., ‡Masters, K., Holland, L., Mei, B. M., Richards-Babb, M., Quedado, K., Shook, N. J. (2018). Student integration into STEM careers and culture: A longitudinal examination of summer research mentors and project ownership. *CBE-Life Sciences Education*, 17:ar50(3), 1-14. doi:10.1187/cbe.18-02-0022
2019 I.F.: 2.241; 5-Year I.F.: 3.749
14. Fischer, E. V., Adams, A. S., Barnes, R. T., Bloodhart, B., Burt, M., Clinton, S. M., Godfrey, E., Pollack, I., **Hernandez, P. R.** (2018). Welcoming women into the geosciences. *Eos*, 99. doi:10.1029/2018EO095017
CRedit: Con, W-OD, W-RE, Fund.
13. **Hernandez, P. R.**, Woodcock, A., Estrada, M., & Schultz, P. W. (2018). Undergraduate research experiences broaden diversity in the scientific workforce. *BioScience*. 68(3), 204-211. doi:10.1093/biosci/bix163
2019 I.F.: 8.282; 5-Year I.F.: 8.033
12. Estrada, M., **Hernandez, P. R.**, & Schultz, P. W. (2018). A longitudinal study of how quality mentorship and research experience integrate underrepresented minorities into STEM careers. *CBE-Life Sciences Education*. 17(ar9), 1-13. doi:10.1187/cbe.17-04-0066
2019 I.F.: 2.241; 5-Year I.F.: 3.749
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis.
11. **Hernandez, P. R.**, Bloodhart, B., Barnes, R. T., Adams, A. S., Clinton, S. M., Pollack, I., Godfrey, E., Burt, M., Fischer, E. V. (2017). Promoting professional identity, motivation, and persistence: Benefits of an informal mentoring program for female undergraduate students. *PLoS ONE*. 12, e0187531. doi:10.1371/journal.pone.0187531
2019 I.F.: 2.740; 5-Year I.F.: 3.227
10. **Hernandez, P. R.**, Estrada, M., Woodcock, A., & Schultz, P. W. (2016). Protégé perceptions of high mentorship quality depend on shared values more than on demographic match. *Journal of Experimental Education*. 83(3), 450-468. doi: 10.1080/00220973.2016.1246405
2019 I.F.: 2.107; 5-Year I.F.: 2.451
9. Rodenbusch, S., **Hernandez, P. R.**, Simmons, S. L., & Dolan, E. L. (2016). Early engagement in course-based research increases graduation rates and completion of science, engineering, and mathematics degrees. *CBE-Life Sciences Education*. 15, 1-10. doi: 10.1187/cbe.16-03-0117
2019 I.F.: 2.241; 5-Year I.F.: 3.749
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis.
8. Woodcock, A., **Hernandez, P. R.**, & Schultz, P. W. (2015). Diversifying science: Intervention programs moderate the effect of stereotype threat on motivation and career choice. *Social Psychological and Personality Science*. 7(2), 184-192. doi:10.1177/1948550615608401
2019 I.F.: 4.380; 5-Year I.F.: 3.863
CRedit: Con, Meth, FA, Inv, DC, W-OD, W-RE, Vis.
- *7. **Hernandez, P. R.**, †Bodin, R., †Elliot, J. W., †Ibrahim, B., Rambo-Hernandez, K. E., Chen, T. W., de Miranda, M. A. (2014). Connecting the STEM dots: Measuring the effect of an integrated engineering design intervention. *International Journal of Technology and*

- Design Education*, 24, 107-120. doi: 10.1007/s10798-013-9241-0
2019 I.F.: 1.326; 5-Year I.F.: 1.723
6. Wolgemuth, J. R., Harper, H. **Hernandez, P. R.**, Helmer, J. (2013). Cultural validity of the group reading assessment and diagnostic evaluation level K phonological awareness scale for Indigenous Australians. *The International Journal of Quantitative Research in Education*, 1, 229-250. doi: 10.1504/IJQRE.2013.057697
CRedit: Meth, FA, DC, W-OD, W-RE, Vis.
 - *5. **Hernandez, P. R.**, Schultz, P. W., Estrada, M., Woodcock, A., & †Chance, R. C. (2013). Sustaining optimal motivation: A longitudinal analysis of interventions to broaden participation of underrepresented students in STEM. *Journal of Educational Psychology*, 105, 89-107. doi: 10.1037/a0029691
2019 I.F.: 5.028; 5-Year I.F.: 6.133
 4. Woodcock, A., **Hernandez, P. R.**, Estrada, M., & Schultz, P. W. (2012). The consequences of chronic stereotype threat: Domain disidentification and attrition (for some). *Journal of Personality and Social Psychology*, 103, 635-646. doi: 10.1037/a0029120
2019 I.F.: 6.315; 5-Year I.F.: 7.748
CRedit: Meth, FA, DC, W-OD, W-RE, Vis.
 3. Estrada, M., Woodcock, A., **Hernandez, P. R.**, & Schultz, P. W. (2011). Toward a model of social influence that explains minority student integration into the scientific community. *Journal of Educational Psychology*, 203, 206-222. doi: 10.1037/a0020743
2019 I.F.: 5.028; 5-Year I.F.: 6.133
CRedit: Meth, FA, DC, W-OD, W-RE, Vis.
 2. Schultz, P. W., **Hernandez, P. R.**, Woodcock, A., Estrada, M., Chance, R. C., Aguilar, M., & Serpe, R. T. (2011). Patching the pipeline: Reducing educational disparities in the sciences through minority training programs. *Educational Evaluation and Policy Analysis*, 33, 95-114. doi: 10.3102/0162373710392371
2019 I.F.: 3.196; 5-Year I.F.: 4.163
CRedit: Con, Meth, FA, DC, W-OD, W-RE, Vis.
 1. Chafouleas, S. M., Kilgus, S. P., & **Hernandez, P. R.** (2009). Using direct behavior rating (DBR) to screen for school social risk: A preliminary comparison of methods in a kindergarten sample. *Assessment for Effective Intervention*, 34, 214-223. doi: 10.1177/1534508409333547
CRedit: FA, W-OD, W-RE, Vis.

Manuscripts Under Review

- †Du, W., **Hernandez, P. R.**, Adams, A. S., Barnes, R. T., Burt, M., Clinton, S. M., Pollack, I., Fischer, E. V. (Invited Revise and Resubmit). Promoting sense of belonging and interest in geosciences among undergraduate women through mentoring.
- †Tise, J., **Hernandez, P. R.**, & Schultz, P. W. (invited to Revise and Resubmit). Mentoring for Success: Self-Regulated Learning Strategies Use as a Critical link between Mentor Support and Educational Attainment. Pre-registered on the Open Science Framework (OSF.io).
- †Lee, H., **Hernandez, P. R.**, Tise, J., & Du, Z. (in review). How role models diversify STEM: Mechanisms and applications to postsecondary education.

†Young, G. R., Mauss, I. B., Flores, L., Yu, B., Matsui, J., Estrada, M., Schultz, P. W., Hernandez, P. R. (in review). Subjective well-being: The role of socially integrating into the scientific community.

Manuscripts In-Preparation

†Pedersen, R., **Hernandez, P. R.**, Woodcock, A., & Schultz, P. W. Inputs and outcomes of developmental mentor networks among college students in STEM fields. Pre-registered on the Open Science Framework (OSF.io).

Hernandez, P. R., †Du., Z., †Pedersen, R., Adams, A. S., Barnes, R. T., Bloodhart, B., Burt, M., Clinton, S. M., Estrada, M., Pollack, I., Fischer, E. V. Longitudinal social influences on and threats to women's pursuit of STEM degrees: A discrete time survival analysis.

Woodcock, A., Hadad, K., **Hernandez, P. R.**, & †Fletcher, K. Engaging families in STEM education. Pre-registered on the Open Science Framework (OSF.io).

Commissioned Papers

Hernandez, P. R. (2019). Landscape of assessments of mentoring relationship processes in postsecondary STEM contexts: A synthesis of validity evidence from mentee, mentor, institutional/programmatic perspectives. Commissioned paper for A. Byars-Winston & M. L. Dahlberg (Eds.), *The Science of Effective Mentorship in STEM*. Washington, DC: The National Academies Press.

Cobb, R. B., Lipscomb, S., Wolgemuth, J., Schulte, T., Veliquette, A., Alwell, M., Bernard, R., **Hernandez, P.**, Holmquist-Johnson, H., Orsi, R., Sample McMeeking, L., Wang, J., and Weinberg, A. (2013). *Improving postsecondary outcomes for transition-age students with disabilities: An evidence review* (NCEE 2013-4011). Washington, DC: National Center for Education Evaluation and Regional Assistance, Institute of Education Sciences, U.S. Department of Education.

Other Non-Refereed Scholarly Products

Estrada, M., **Hernandez, P.**, Handelsman, J., Miller, S., Broderick, N., Patterson, M., Nyanamba, J., Du, Z., Young, G., Maldonado, N., Watson, L., & Sandoval, P.. (2020). Tiny Earth PIVOT: Impacts of COVID-19 on Faculty Mentoring and Teaching (Version 1). figshare. <https://doi.org/10.6084/m9.figshare.13564505.v1>

Peer Reviewed Conference Proceedings

de Miranda, M. A., **Hernandez, P. R.**, Rambo-Hernandez, K. E. (November, 2014). *How Interdisciplinary Engineering and Technology Design and Making Projects Impact Students and Classrooms for Sustainable STEM Education*. Paper presented at the UNESCO World Conference on Education for Sustainable Development, Okayama, Japan.

Keynotes & Invited Addresses

12. **Hernandez, P.R.** (April, 2023). Title. Invited speaker for the Society for the Advancement in Biology Education Research (SABER) virtual seminar series. Held online.

11. **Hernandez, P.R.** (February, 2023). Inspiration, Inoculation, & Introductions Are All Critical to Successful Mentorship for Undergraduate Women Pursuing Geoscience Careers.

- Invited speaker for the Second Annual UTA College of Education Research Day, Arlington, TX.
10. **Hernandez, P.R.** (March, 2022). Social and Motivational Interventions to Broadening Participation in STEM: Theory and Applications. Invited speaker for The Center for Research on College-Workforce Transitions Spring 2022 Webinar Series, Held Online.
 9. Edgar, P., Hammond, T., Goldberg, D., Kirby, K., **Hernandez, P.R.**, Watson, K., & White, L. (November, 2021). *SCIENCE & APPLICATIONS | Diversifying the Workforce - Teaching, Research & Application*. Invited speaker at the TxGIS Day 2021, Held Online.
 8. **Hernandez, P.R.** & Williams, M. (October, 2018). *Self-Regulation Skills as Predictors of URM Success in Biomedical Research*. Invited speaker at the first Understanding Interventions – SACNAS Workshop, San Antonio, TX.
 7. **Hernandez, P.R.** (October, 2018). *Metrics, Assessment, and Evaluation in Mentorship*. Invited speaker at the session at the National Academies of Sciences, Engineering, and Medicine “Participatory Workshop on Metrics, Models, and Identities in STEMM Mentoring Relationships: What Works and Why?” Irvine, CA.
 6. **Hernandez, P. R.**, Williams, M., Agocha, V.B., Carney, L., Depetris, A., George, L., Lee, S., & Park, P. (March, 2018). *Early Research and Mentoring Experiences: A Social Influence Model for Integrating First-Generation Students into STEM*. Co-Plenary address at the Understanding Interventions that Broaden Participation in Science Careers conference, Baltimore, MD.
 5. **Hernandez, P.R.** (October, 2017). *Broadening the diversity of the scientific workforce through undergraduate research experiences*. Invited speaker at the Howard Hughes Medical Institute, Chevy Chase, MD.
 4. **Hernandez, P.R.** (June, 2017). *Measuring Motivational and Other Psychological Factors in URE Participants*. Invited speaker at the session at the National Academies of Sciences, Engineering, and Medicine “Undergraduate Research Experiences for STEM Students: Successes, Challenges, and Opportunities” report launch, Washington, D.C.
 3. Laursen, S. & **Hernandez, P.R.** (February, 2017). *Defining and operationalizing mentoring*. Co-Plenary speaker at the National Academies of Sciences, Engineering, and Medicine “Participatory Workshop on Effective Mentoring in STEMM: practice, research, and future directions,” Washington, DC.
 2. **Hernandez, P.R.** (May, 2016). *Do Science Training Programs Work? A 10-year Longitudinal Study of Minority Students Funded through Science Training Programs*. Invited speaker at the open session of the May meeting of the National Advisory General Medical Sciences Council, Bethesda, MD.
 1. **Hernandez, P.R.** (September, 2015). *Using quantitative analysis of effects of interventions to broaden participation*. Invited speaker session at the meeting of the National Academies of Sciences, Engineering, and Medicine committee to study “Strengthening Research Experiences for Undergraduate STEM Students,” Washington D.C.

Refereed (National & International) Paper and Poster Presentations

- *70. **Hernandez, P. R.**, Adams, A., Barnes, R. T., Bloodhart, R., Burt, M., Clinton, S. M., †Du, W., †Henderson, H. L., Pollack, I., & Fischer, E. V. (2022, December). *Inspiration, inoculation, and introductions are all critical to successful mentorship for undergraduate women pursuing geoscience careers*. Paper presented at the annual American Geophysical Union Conference 2022, Chicago, IL.

- *69. **Hernandez, P. R.**, †Nyanamba, J., Patterson, M. (2022, April). *Webs of Science: Developmental Networks Influence Women's Longitudinal Integration into STEM Fields*. [Paper Presentation]. American Educational Research Association Annual Conference 2022, San Diego, CA.
- *68. †Pedersen, R. M., †Ferguson, C. F., & **Hernandez, P. R.** (2022, April). *Time Matters: The Moderating Role of Contact Frequency on the Mentorship to Career Development Link*. [Paper Presentation]. American Educational Research Association Annual Conference 2022, San Diego, CA.
- *67. †Pedersen, R.M. & **Hernandez, P.R.** (2022, March). *Relationships of Implicit and Explicit Balanced STEM Identity Moderated by Gender*. [Accepted for Conference Session]. Southwest Educational Research Association Annual Conference 2022, New Orleans, Louisiana.
- *66. †Pedersen, R. M., †Du, Z., & **Hernandez, P. R.** (2022, January). *Science identity retains women in STEM: A longitudinal social influence study*. [Poster Presentation]. Annual Society for Personality and Social Psychology Conference 2022, San Francisco, CA.
- *65. †Pedersen, R. M., ‡Sanneh, N. I., & **Hernandez, P. R.** (2022, February). *Implicit and Explicit Balance Scores Vary as a Function of Gender and STEM Major*. [Paper Presentation]. American Society for Engineering Education CoNECD Conference 2022, New Orleans, LA.
- *64. ‡Chen, S., †Nyanamba, J., **Hernandez, P. R.**, & Park, C. (2021, August 12 -14). *Effect of Academic Support and Gender on GPA Outcomes in Underrepresented Minority STEM Students*. [Poster Presentation]. American Psychological Association 2021 convention. Held Online.
- *63. †Du, W. & **Hernandez, P. R.** (2021, August 12 -14). *Promoting Sense of Belonging and Interest in Geosciences among Undergraduate Women through Mentoring*. [Poster Presentation]. American Psychological Association 2021 convention. Held Online.
- *62. †Ferguson, C. F., †Pedersen, R. M., & **Hernandez, P. R.** (2021, August 12-14). *Quality of mentorship enhanced by promoting mentor-protégé psychological similarity* [Poster presentation]. American Psychological Association 2021 Convention. Held Online.
- 61. Saw, G., Chang, C., & **Hernandez, P.R.** (April, 2021). *Disparities in Mentoring Experiences and Academic/Career Outcomes of STEM Undergraduates during the COVID-19 Pandemic*. Paper to be presented at the annual National Association for Research in Science Teaching Conference, Held Online.
- *60. **Hernandez, P. R.**, Adams, A., Barnes, R. T., Bloodhart, R., Burt, M., Clinton, S. M., †Du, W., Fischer, E. V., †Henderson, H. L., Pollack, I. (December, 2020). *Building optimal support programs: Evidence from a randomized field experiment*. Poster presented at the annual Understanding Interventions that Broaden Participation in Science Conference, Held Online.
- *59. **Hernandez, P.R.**, Agocha, V. B., †Carney, L., Estrada, M., †Lee, S. Y., †Loomis, D., Williams, M., & Park, C. L. (August, 2020). *Testing models of reciprocal relations between social influence and integration in STEM across the college years*. Poster presented at the annual American Psychological Association Convention, Held Online.
- *58. †Henderson, H. L., **Hernandez, P. R.**, Bloodhart, B. & Fischer, E. V. (February, 2020). *Communal values and the longitudinal effect on persistence of undergraduate women in STEM*. Paper to be presented at the annual Society for Personality and Social Psychological Convention, New Orleans, LA.

- *57. Park, C. L., **Hernandez, P.R.**, Williams, M. Agocha, V. B., †Carney, L., & †Lee, S. Y. (May, 2019). *Differences in Coping and Emotion Regulation Styles over Three Years of University*. Paper presented in symposium, Integrating Perspectives on Stress Processes: The Overlapping and Unique Roles of Coping and Emotion Regulation (C. L. Park & P. J. Moore, Chairs), at the Association for Psychological Science Annual Convention, Washington, DC.
- *56. **Hernandez, P. R.**, Adams, A., Agocha, B., Barnes, R. T., Bloodhart, R., Burt, M., †Carney, L., Clinton, S. M., †Depetris, A., †Du, W., Estrada, M., Godfrey, E., Fischer, E. V., †Henderson, H. L., †Lee, S., Park, C., Pollack, I., Schultz, P. W., Williams, M. (March, 2019). *Clarifying the role of efficacy, identity, and values to optimize interventions to broaden participation in STEM*. Paper presented at the annual Understanding Interventions that Broaden Participation in Science Conference, Baltimore, MD.
- *55. †Henderson, H. L., **Hernandez, P. R.**, Bloodhart, R., Adams, A., Barnes, R. T., Clinton, S. M., & Fischer, E. V. (March, 2019). *Promoting women's interest in science through mentoring experiences that affirm communal goals*. Poster presented at the annual Understanding Interventions that Broaden Participation in Science Conference, Baltimore, MD.
- *54. †Du, W., **Hernandez, P. R.** (February, 2019). *Promoting sense of belonging and interest among undergraduate women in STEM*. Poster presented at the annual Eastern Psychological Association Convention, New York, NY.
- *53. ‡Gondring, A., **Hernandez, P. R.** (February, 2019). *Psychosocial support and professional development among female undergraduate STEM majors*. Poster presented at the annual Eastern Psychological Association Convention, New York, NY.
- *52. ‡Khan, A., **Hernandez, P. R.** (February, 2019). *The effect of mentorship on women's self-efficacy*. Poster presented at the annual Eastern Psychological Association Convention, New York, NY.
- 51. Bloodhart, R., **Hernandez, P. R.**, Adams, A., Barnes, R. T., Clinton, S. M., & Fischer, E. V. (February, 2019). *Too Feminine for STEM?: Interference between Gender and Science Identities Impacts Women's Interest in Science*. Paper presented at the annual Society for Personality and Social Psychological Convention, Portland, OR.
- *50. †Reed, K., Dik, B. J., Bloodhart, R., **Hernandez, P. R.**, †Henderson, H., Godfrey, E., Adams, A., Barnes, R. T., Burt, M., Clinton, S. M., Sample-McMeeking, L., Pollack, I. B., Bowker, C., & Fischer, E. V. (August, 2018). *How Women's Calling for Science Careers Relates to Psychological Predictors Persistence in Science*. Poster presented at the annual American Psychological Association Convention, San Francisco, CA.
- *49. †Lee, S. Y., Agocha, V. B., Park, C., Williams, M., & **Hernandez, P. R.** (August, 2018). *Discrimination, Health Behaviors, and Physical Health Symptoms: An Examination of Overeating*. Poster presented at the annual American Psychological Association Convention, San Francisco, CA.
- *48. **Hernandez, P. R.**, ‡Masters, K. L., †Hopkins, P. D., Shook, N. J. (August, 2018). *Scientific role models support undergraduate persistence in STEM through social integration*. Poster presented at the annual American Psychological Association Convention, San Francisco, CA.
- *47. **Hernandez, P. R.**, Bloodhart, R., Adams, A., Barnes, R. T., Bowker, C., Burt, M., Clinton, S. M., Fischer, E. V., Godfrey, E., †Henderson, H., Pollack, I. B., Sample-McMeeking, L., & Sayers, J. (July, 2018). *Role Modeling is a Viable Retention Strategy for*

- Undergraduate Women in the Geosciences*. Paper presented at the Council on Undergraduate Research Biennial Conference, Arlington, VA.
46. **Hernandez, P. R.**, Woodcock, A., Estrada, M., Schultz, P. W. (July, 2018). *Broadening the scientific workforce through long-term high intensity undergraduate research experiences*. Paper presented at the Council on Undergraduate Research Biennial Conference, Arlington, VA.
- *45. Agocha, V. B., Depetris, A., Williams, M., †Marfo, N., Park, C., **Hernandez, P. R.**, †Lee, S. Y., †Carney, L., †Printz, D. (2018, May). When women don't opt out of science: Differential effects of level of belongingness, discrimination, and fixed (entity) mindset. Poster presented at the 30th Annual Convention of the Association for Psychological Science, San Francisco.
- *44. Bloodhart, R., **Hernandez, P. R.**, †Henderson, H., Godfrey, E., Adams, A., Barnes, R. T., Burt, M., Clinton, S. M., Sample-McMeeking, L., Pollack, I. B., Bowker, C., & Fischer, E. V. (April, 2018). *Conflict between being a woman and a scientist: Perceptions of interfering roles and identities pose a barrier to college women's interest and persistence in the sciences*. Paper presented at the annual Rocky Mountain Psychological Association Convention, Denver, CO.
- *43. **Hernandez, P. R.**, Bloodhart, R., Adams, A., Barnes, R. T., Bowker, C., Burt, M., Clinton, S. M., Fischer, E. V., Godfrey, E., †Henderson, H., Pollack, I. B., Sample-McMeeking, L., & †Sayers, J. (March, 2018). *Role Modeling is a Viable Retention Strategy for Undergraduate Women in the Geosciences*. Paper presented at the annual Understanding Interventions that Broaden Participation in Science Careers conference, Baltimore, MD.
- *42. Godfrey, E., Clinton, S. M., Adams, A., Pollack, I. B., Barnes, R. T., Bloodhart, B., Bowker, C., Burt, M., †Henderson, H., **Hernandez, P. R.**, Maertens, J., Sample-McMeeking, L., †Sayers, J., & Fischer, E. V. (December, 2017). *A Best Practices Approach to Working with Undergraduate Women in the Geosciences*. Poster presented at the annual American Geophysical Union meeting, New Orleans, LA.
41. Fischer, E. V., Adams, A., Barnes, R. T., Bloodhart, R., Burt, M., Clinton, S. M., Godfrey, E., Pollack, I. B., **Hernandez, P. R.** (December, 2017). *A Blueprint for Expanding the Mentoring Networks of Undergraduate Women in the Earth and Environmental Sciences*. Poster presented at the annual American Geophysical Union meeting, New Orleans, LA.
40. Roy, A., **Hernandez, P. R.**, Paguyo, C., Chen, T. (November, 2017). Transforming graduate STEM education: A theory-driven evaluation of the GAUSSE national science foundation research training (NRT) program. Paper to be presented at the annual American Evaluation Association conference in Washington D.C.
- *39. Bloodhart, R., †Henderson, H., **Hernandez, P. R.**, †Sayers, J., Pollack, I. B., Adams, A., Barnes, R. T., Burt, M., Clinton, S. M., Godfrey, E., Sample-McMeeking, L., Bowker, C., & Fischer, E. V. (August, 2017). *Gender identity moderates the effect of stereotypic beliefs on women's scientific career intentions*. Oral presentation at the annual American Psychological Association Convention, Washington D.C.
- *38. †Henderson, H., **Hernandez, P. R.**, †Sayers, J., Bloodhart, R., Pollack, I. B., Adams, A., Barnes, R. T., Burt, M., Clinton, S. M., Godfrey, E., Sample-McMeeking, L., Bowker, C., & Fischer, E. V. (August, 2017). *Enhancing female undergrads' science -identity, -values, and -interest through mentoring*. Poster to be presented at the annual American Psychological Association Convention, Washington D.C.

- *37. **Hernandez, P. R.**, Estrada, M., Woodcock, A., Schultz, P. W. (August, 2017). *Values-similarity promotes longitudinal development of high quality mentorship*. Poster to be presented at the annual American Psychological Association Convention, Washington D.C.
- *36. Park, C. L., Williams, M., Agocha, V. B., **Hernandez, P. R.**, †George, L., †Depetris, A., †Carney, L. M., & †Lee, S. Y (2017, May). Emotional, Behavioral and Cognitive Self-Regulation Skills Predict Academic Success. In C. L. Park (Chair), *Advances in the Science of Self-Regulation: Mechanisms and Applications*. Symposium at the 29th Annual Convention of the Association for Psychological Science, Boston.
- *35. ‡Masters, K. L., †Hopkins, P. D., Shook, N. J., & **Hernandez, P. R.** (May, 2017). *Science Identity and Intent to Pursue a Research Career*. Poster presented at the annual Association for Psychological Science conference, Boston, MA.
- *34. Clinton, S., Adams, A., Barnes, R. T., Bloodhart, R., Bowker, C., Burt, M., M., Godfrey, E., †Henderson, H., **Hernandez, P. R.**, Pollack, I. B., Sample-McMeeking, L., †Sayers, J., & Fischer, E. V. (April, 2017). *PROGRESS (PRomoting Geoscience Research Education and Success): A novel mentoring program for retaining undergraduate women in the geosciences*. Oral presentation at the annual European Geosciences Union General Assembly meeting, Vienna, Austria.
- *33. **Hernandez, P. R.**, Bloodhart, R., Adams, A., Barnes, R. T., Bowker, C., Burt, M., Clinton, S. M., Fischer, E. V., Godfrey, E., †Henderson, H., Pollack, I. B., Sample-McMeeking, L., & †Sayers, J. (March, 2017). *Effects of a quasi-experimental “Women in Science” mentoring program on science interest and career intentions*. Paper presented at the annual Understanding Interventions that Broaden Participation in Science Careers conference, San Antonio, TX.
- *32. Williams, M., Agocha, V.B., †Carney, L., †Depetris, A., †George, L., **Hernandez, P. R.**, †Lee, S., & Park, P. (March, 2017). *Self-Regulation Skills as Predictors of URM Student Success Biomedical Research*. Paper presented at the annual Understanding Interventions that Broaden Participation in Science Careers conference, San Antonio, TX.
- 31. Woodcock, A., **Hernandez, P. R.**, Estrada, M., Schultz, P. W. (March, 2017). *Broadening the scientific workforce through long-term high intensity undergraduate research experiences*. Paper presented at the annual Understanding Interventions that Broaden Participation in Science Careers conference, San Antonio, TX. `
- 30. Fischer, E. V., Adams, A., Barnes, R. T., Bloodhart, R., Burt, M., M., Clinton, S., Godfrey, E., Pollack, I. B., **Hernandez, P. R.** (January, 2017). *PROGRESS: PRomoting Geoscience Research Education and Success through deliberative mentoring*. Oral presentation at the annual meeting of the American Meteorological Society, Seattle, WA.
- *29. †Anthenien, A., ‡Jaeger, C., Schultz, P. W., **Hernandez, P. R.** (January, 2017). *The effects of descriptive norms on behavior in field settings: A meta-analytic integration*. Poster presented at the annual Society for Personality and Social Psychology conference, San Antonio, TX.
- *28. Pollack, I. B., Fischer, E. V., Adams, A., Barnes, R. T., Bloodhart, R., Bowker, C., Burt, M., Clinton, S. M., Godfrey, E., †Henderson, H., **Hernandez, P. R.**, Sample-McMeeking, L., & †Sayers, J., (December, 2016). *Exploring deliberate mentoring approaches aimed at improving the recruitment and persistence of undergraduate women in the geosciences*. Poster presented at the annual American Geophysical Union meeting, San Francisco, CA.

- *27. Fischer, E. V., Pollack, I. B., Burt, M., Bloodhart, R., Sample-McMeeking, L., Bowker, C., Adams, A., Barnes, R. T., Clinton, S. M., Godfrey, E., **Hernandez, P. R.**, †Henderson, H., & †Sayers, J. (September, 2016). *Exploring deliberate mentoring approaches aimed at improving the recruitment and persistence of undergraduate women in the geosciences*. Poster presented at the annual Geological Society of America meeting, Denver, CO.
- *26. †Sayers, J., †Henderson, H., Bloodhart, B., Fischer, E. V., Adams, A., Barnes, R. T., Pollack, I. B., Burt, M., Clinton, S. M., Godfrey, E., †Donaldson, L., Sample-McMeeking, L., Bowker, C., & **Hernandez, P. R.** (August, 2016). *Motivational factors for a women in science mentorship program*. Poster presented at the annual American Psychological Association Conference, Denver, CO.
- *25. †Henderson, H., ‡Kowalski, A., & **Hernandez, P. R.** (April, 2016). *Science efficacy, identity, and values predict the pursuit of science careers*. Poster presented at the annual Eastern Psychological Association conference, New York, NY.
- *24. ‡Masters, K., †Hopkins, P., Shook, N., & **Hernandez, P. R.** (March, 2016). *Mentor satisfaction and science identity*. Poster presented at the annual Eastern Psychological Association conference, New York, NY.
- 23. **Hernandez, P. R.**, Woodcock, A., Estrada, M., Schultz, P. W. (February, 2016). *Undergraduate research experiences: A longitudinal assessment*. Paper presented at the annual Understanding Interventions conference, Philadelphia, PA.
- *22. †Hutchinson, K., †Anthenien, A., Fredrickson, G., **Hernandez, P. R.** (February, 2016). *Public Self-consciousness as a Moderator of Normative Influences on Tailgating Drinking*. Poster presented at the annual Society for Personality and Social Psychology conference, San Diego, CA.
- *21. †Hernandez, I., †Andreason, C., †Quartucci, S., †Nare, T., Woodcock, A., **Hernandez, P. R.**, Estrada, M., Schultz, P. W. (February, 2016). *Aligning identities to reduce stereotype threat*. Poster presented at the annual Society for Personality and Social Psychology conference, San Diego, CA.
- *20. Pollack, I. B., Adams, A., Barnes, R. T., Burt, M., Clinton, S. M., Godfrey, E., **Hernandez, P. R.**, Bloodhart, R., †Donaldson, L., †Sayers, J., †Henderson, H., Sample-McMeeking, L., Bowker, C., & Fischer, E. V. (December, 2015). *Exploring deliberate mentoring approaches aimed at improving the recruitment and persistence of undergraduate women in the geosciences*. Poster presented at the annual American Geophysical Union meeting, San Francisco, CA.
- 19. Feliu-Mojer, M., Fortis-Santiago, Y., Gibbs, K., Guerrero-Medina, G., & **Hernandez, P. R.** (October, 2015). *Identity, Academia, and Community: Research and Implications for Broadening Participation in STEM*. Oral presentation given at the annual Society for Advancing Chicanos/Hispanics and Native Americans in Science conference, National Harbor, MD.
- 18. Woodcock, A., **Hernandez, P. R.**, Schultz, P. W. (May, 2015). *Diversifying science: Programs weaken the effect of chronic stereotype threat on maladaptive achievement goals*. Paper presented at the annual Understanding Interventions conference, San Diego, CA.
- *17. †Watson, L. A., †Audish, M. H., †Huerta, M. A., Woodcock, A., Estrada, M., **Hernandez, P. R.**, Schultz, P. W. (February, 2015). *Patching the academic pipeline: Minority*

- training programs impact success and persistence.* Poster presented at the annual Society for Personality and Social Psychology conference, Long Beach, CA.
16. **Hernandez, P. R.**, Estrada, M., Woodcock, A., & Schultz, P. W. (October, 2014). *Mentor qualities that matter: The importance of perceived (not demographic) similarity.* Poster presented at the 7th Annual Mentoring conference, Albuquerque, NM.
 - *15. †Grant, A. M., **Hernandez, P. R.**, †Anthenien, A. M., & †Moreno, M.A. (June, 2014). *Social norms and social networking sites: The role of Facebook in predicting alcohol use among first year undergraduate students.* Paper presented at the Annual Research Society on Alcoholism meeting, Bellevue, WA.
 - *14. **Hernandez, P. R.**, Woodcock, A., Estrada, M., †Aguilar, M. A., †Gonzales, B., †Flores, L., †Quartucci, C., & Schultz, P. W. (February, 2014). *Weathering the storm: STEM training programs buffer minority students from the negative outcomes, but not the experience, of stereotype threat.* Poster presented at the Annual Society for Personality and Social Psychology conference, Austin, TX.
 - *13. Estrada, M., **Hernandez, P. R.**, Woodcock, A., †Aguilar, M. A., & Schultz, P. W. (July, 2013). *I can, but I'm not staying! The integration of underrepresented minority students into the sciences.* Paper presented at the Annual American Psychology Association conference, Honolulu, HI.
 - *12. †Deviyanti, D., Cannetto, S., **Hernandez, P. R.** (July, 2013). *Math stereotype-threat among women in math-intensive majors.* Poster presented at the Annual American Psychology Association conference, Honolulu, HI.
 11. Wolgemuth, J. R., Harper, H., **Hernandez, P. R.**, & Helmer, J. (April, 2013). *Cross-validation of the GRADE-K for use with Australian Indigenous students: Phonological awareness scale.* Poster presented at the Annual American Educational Research Association conference, San Francisco, CA.
 - *10. †Bodin, R., †Elliott, J. †Salami, M. A., **Hernandez, P. R.**, de Miranda, M. A. (April, 2013). *The Effects of a Complex Classroom Intervention on Students' Perceptions in STEM Courses.* Oral presentation given at the Annual Rocky Mountain Psychology Association, Denver, CO.
 - *9. †Deviyanti, D., Cannetto, S., **Hernandez, P. R.** (April, 2013). *Math stereotype-threat among women in math-intensive majors.* Poster presented at the Annual Rocky Mountain Psychology Association, Denver, CO.
 - *8. †Aguilar, M. A., †Flores, L., Estrada, M., Woodcock, A., **Hernandez, P. R.**, & Schultz, P. W. (January, 2013). *Have a little faith in me: Perceived climate support can sustain intention to pursue a research career for minority training program students with little confidence.* Poster presented at the Annual Society for Personality and Social Psychology Conference, New Orleans, LA.
 - *7. **Hernandez, P. R.**, †Bodin, R., †Elliott, J. W., †Ibrahim, B., Rambo-Hernandez, K. E., & de Miranda, M. A. (December, 2012). *Connecting the STEM dots: Measuring the effect of an integrated engineering design intervention.* Paper presented in invited talk at Aichi University of Education, Kariya-City, Japan.
 6. Estrada, M., **Hernandez, P. R.**, Woodcock, A., Schultz, P. W. (2012, June). *I can, I am, I believe and so, I'll stay: Charting underrepresented student integration into the scientific community across time.* Paper to be presented at the 5th Annual Understanding Interventions Conference, Baltimore, MD.

- *5. **Hernandez, P. R.**, †Bodin, R., †Elliot, J. W., †Ibrahim, B., Rambo-Hernandez, K. E., de Miranda, M. A. (2012, May). *Scale development of measuring STEM content connections in students engaged in a long-term integrated engineering design problem*. Paper presented at 2nd Annual P-12 Engineering and Design Research Summit, Washington DC.
- *4. †Aguilar, M., †Fernandez, P., Woodcock, A., **Hernandez, P. R.**, Estrada, M., Schultz, W. P. (2012, January). *A mentor like me: Stereotype threat as a function of ethnic identification strength and mentor ethnicity*. Poster presented at the Annual Society for Personality and Social Psychology Conference, San Diego, CA.
- *3. †Fernandez, P., †Aguilar, M., Estrada, M., Woodcock, A., **Hernandez, P. R.**, Schultz, W. P. (2012, January). *Feeling good about what you do: The mediating role of self-esteem in academic identity and happiness*. Poster presented at the Annual Society for Personality and Social Psychology Conference, San Diego, CA.
- 2. **Hernandez, P. R.**, Rogers, H. J., Swaminathan, H., Huedo-Medina, T., Johnson, B. T. (2012, May). *A comparison of statistical models for multiple treatment-groups meta-analysis*. Paper presented at the 2nd Annual Modern Modeling Methods Conference, Storrs, CT.
- 1. Woodcock, A., **Hernandez, P. R.**, Estrada, M., Aguilar, M., Fernandez, P., Schultz, W. P. (2012, January). *Belonging, goal orientation, and retaining minority scientists*. Poster presented at the Annual Society for Personality and Social Psychology Conference, San Diego, CA.

Non-Refereed (Local) Poster Presentations

- *9. ‡Juarez, N., †Fletcher, K., & **Hernandez, P. R.** (2022, March). *Red Light... Green Light: Who goes farther in STEM? A survival analysis of the influence of student race on STEM major retention*. [Poster Presentation]. Texas A&M University Student Research Week (<https://srw.tamu.edu/>), College Station, TX.
***Awarded Best Paper – Undergraduate Psychology Division.**
- *8. ‡Sanneh, N., ‡Kharbat, T., ‡Sriramla, S., †Pedersen, R., & **Hernandez, P. R.** (2022, March). *Does STEM Major Matter?: The Relationship Between Ethnicity and Balanced Identity Scores for Undergraduates*. [Poster Presentation]. Texas A&M University Student Research Week (<https://srw.tamu.edu/>), College Station, TX.
- *7. ‡Ho., B., ‡Dunn, B., †Du., Z., & **Hernandez, P. R.** (2022, March). *Investigating the relationship between undergraduate students' persistence, mentoring quality and TIMIS psychosocial factors in biomedical sciences*. [Poster Presentation]. Texas A&M University Student Research Week (<https://srw.tamu.edu/>), College Station, TX.
- *6. ‡Dara, M., Smith, C., †Von Buettner, T. K., †Nyanamba, J. M., & **Hernandez, P. R.** (2022, March). *Effects of Social Support on Native American STEM Students' Life Satisfaction*. [Poster Presentation]. Texas A&M University Student Research Week (<https://srw.tamu.edu/>), College Station, TX.
- *5. †Du, W., †Zhang, Q., & **Hernandez, P. R.** (2021, March 29-April 2). *Promoting Sense of Belonging and Interest in Geosciences among Undergraduate Women through Mentoring*. [Poster Presentation]. Texas A&M University Student Research Week, College Station, TX. <https://srw.tamu.edu/>, Held Online.
- *4. †Pedersen, R. M., ‡Avlonitis, M. R., ‡Sanneh, N. I., **Hernandez, P. R.** (2021, March 29-April 2). *Type of STEM Field Moderates Gender Differences in Implicit and Explicit*

Identity Balance [Poster presentation]. Texas A&M University Student Research Week, College Station, TX. <https://srw.tamu.edu/>, Held Online.

- *3. †Sayers, J., †Henderson, H., Bloodhart, B., Fischer, E. V., Adams, A., Barnes, R. T., Pollack, I. B., Burt, M., Clinton, S. M., Godfrey, E., †Donaldson, L., Sample-McMeeking, L., Bowker, C., & **Hernandez, P. R.** (April, 2016). *Motivational factors for a women in science mentorship program*. Poster presented at the first annual WVU CEHS Student Research forum, Morgantown, WV.
- *2. †Henderson, H., ‡Kowalski, A., & **Hernandez, P. R.** (April, 2016). *Science efficacy, identity, and values predict the pursuit of science careers*. Poster presented at the first annual WVU CEHS Student Research forum, Morgantown, WV.
- *1. ‡Sherman, M., **Hernandez, P. R.** (April, 2015). *Welcoming scientific communities buffer African American students in STEM from the negative effects of stereotype threat on motivation*. Poster presented at the annual WVU College of Education and Human Resources Student Research Forum, Morgantown, WV.

Media Coverage

AWARDS

Recipient of the Outstanding Researcher Award (2019). College of Education and Human Services, West Virginia University, Morgantown, WV.

Co-recipient of the Adolphus Toliver “Tol” Award (2016). Understanding Interventions Conference. In recognition of exemplary work in understanding interventions that broaden participation in science careers.

SCHOLARSHIPS AND FELLOWSHIPS

CSU Chancellor’s Doctoral Incentive Program Mini-Grant Award, October 2010

Society for Multivariate Experimental Psychology Minority Fellowship, 2010

CSU Chancellor’s Doctoral Incentive Program Mini-Grant Award, October 2009

Diversity Fellowship, University of Connecticut, August 2007 – 2011

Research Initiative for Scientific Enhancement’ (RISE) Scholar, 2004-2006

California State University System Research Competition (2nd Place), 2005

California State University San Marcos Student Research Competition (Finalist), 2005

TEACHING, ADVISING, & MENTORING

TEACHING

Texas A&M University

Analysis and Reporting for Records of Study (EDCI 609, graduate): Spring 2020

Research Methods III (EDCI 688, graduate): Fall 2022

Multivariate Statistical Methods (EPSY 643, graduate): fall 2021

Theory of EPSY Research: Experimental Research Design in Educational Settings (EPSY 690, graduate): fall 2020

West Virginia University

Advanced Quantitative Research Designs (graduate): spring 2017

Statistical Methods I (graduate): fall 2014

Statistical Methods II (graduate): spring 2016, fall 2016, spring 2017, spring 2018, fall 2018, spring 2019

Structural Equation Modeling (graduate): spring 2018

Survey Research Methods (graduate), fall 2016, 2018

Multivariate Statistical Methods I (graduate): fall 2014, fall 2015, fall 2017

Colorado State University

Applied Analysis of Variance (graduate): spring 2012, fall 2013

Hierarchical Linear Modeling (graduate): spring 2013

Introduction to Research Methods (graduate): spring 2014

Research Methods in Psychology (undergraduate): fall 2012

ADVISING

Ph.D. (Co-)Chair

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
7. Rachelle Pedersen	Texas A&M University (Curriculum & Instruction)	Pre-Candidate	
6. Perla Sandoval	Colorado State University (Psychology)	Pre-Candidate	
5. Zoey Du	Texas A&M University (Educational Psychology)	Pre-Candidate	
4. Qiyue Zhang	Texas A&M University (Educational Psychology)	Pre-Candidate	
3. Juliet Nyanamba	Texas A&M University (Educational Psychology)	Graduated	2022
2. Heather Henderson	West Virginia University (Learning Sciences)	Graduated	2019
1. Devi Deviyanti	Colorado State University (Psychology)	Graduated	2015

Ed.D. (Co-)Chair

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
4. Jessica Arellano	Texas A&M University (Curriculum & Instruction)	Pre-Candidate	
3. Cheryl Kerr	Texas A&M University (Curriculum & Instruction)	Pre-Candidate	
2. Mari Payne	Texas A&M University (Curriculum & Instruction)	Candidate	

1. Julia Schneider	Texas A&M University (Curriculum & Instruction)	Graduated	2022
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Ph.D. Committee Member

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
15. Michelle Anderson	Texas A&M University (Educational Psychology)	Pre-Candidate	
14. Blaine Pedersen	Texas A&M University (Educational Psychology)	Pre-Candidate	
13. Polet M. Milian	Texas A&M University (Educational Psychology)	Pre-Candidate	
12. Kwok Hap Lam	Texas A&M University (Educational Psychology)	Pre-Candidate	
11. Monica Hernandez Valencia	Texas A&M University (Curriculum & Instruction)	Pre-Candidate	
10. Naike Wang	Texas A&M University (Educational Psychology)	Pre-Candidate	
9. Jessica McKay	Texas A&M University (Geology)	Pre-Candidate	
8. Anthony Franzetti	Texas A&M University (Educational Psychology)	Candidate	
7. Haoran Li	Texas A&M University (Educational Psychology)	Candidate	
6. Katherine Fletcher	Texas A&M University (Educational Psychology)	Candidate	
5. Abigail Sharer	Texas A&M University (Counseling Psychology)	Candidate	
4. Luis Ponte Rodriguez	Texas A&M University (Counseling Psychology)	Graduated	2021
3. Rachelle Henderson	West Virginia University (Physics)	Graduated	2018
2. Ligia Perez	West Virginia University (Curriculum & Instruction)	Graduated	2017
1. Christine Weir	West Virginia University (Counseling Psychology)	Graduated	2016

Ed.D. Committee Member

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
1. Tomas Guerra	Texas A&M University (Curriculum & Instruction)	Pre-Candidate	

M.A/S. (Co-)Chair

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
3. Rachelle Pedersen	Texas A&M University (Curriculum & Instruction)	Graduated	2021
2. Mostafa Hashemi	West Virginia University (Learning Sciences)	Graduated	2020
1. Zoey Du	West Virginia University (Learning Sciences)	Graduated	2019

M.Ed. (Co-)Chair

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
5. Daniela Rimer	Texas A&M University (Curriculum & Instruction)	In Progress	
4. Savhana McWhirter	Texas A&M University (Curriculum & Instruction)	In Progress	
3. Brandi Gomez	Texas A&M University (Curriculum & Instruction)	Graduated	2022
2. Casie Horner	Texas A&M University (Curriculum & Instruction)	In Progress	
1. Natalie Confer	Texas A&M University (Curriculum & Instruction)	Graduated	2021

M.A/S. Committee Member

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
5. Ruyu Yan	Texas A&M University (Educational Psychology)		
4. Mingyue Wang	Texas A&M University (Educational Psychology)		
3. Thomas Von Buettner	Texas A&M University (Educational Psychology)	Graduated	2022
2. Qiyue Zhang	Texas A&M University (Educational Psychology)	Graduated	2021
1. Amber Anthenien	Colorado State University (Psychology)	Graduated	2015

Undergraduate Honors Thesis Committee Member

<i>Name</i>	<i>Institution (Department)</i>	<i>Status</i>	<i>Completion Year</i>
2. Krysta Masters	West Virginia University (Psychology)	Graduated	2017

1. Katie Spendlow	Colorado State University (Education)	Graduated	2014
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MENTORING

Motivation and Learning Lab (mll.tamu.edu) Mentees

Postdoctoral:

- *Current* – Dr. Joseph Tise (2021-present), Dr. Hyewon Lee (2022-present).
- *Former* – Dr. Justine deGruyter (2021).

Graduate:

- *Current* – Qi-yue Zhang (2021-present); Rachelle Pedersen (2020-present); Zoey Du (2020-present); Blaine Pedersen (2022-present); Connie (Weiqi) Guo (2022-present); Ruyu Yan (2022-present); Amy Lam (2022-present); Fanyi Yu (2022-present); Moriah Boynton (2022-present).
- *Former* – Juliet Nyanamba (2020-2022); Thomas Von Buettner (2020-2022); Katie Fletcher (2021-2022)
- *Awards* –
 - Rachelle Pedersen – Strategic Research Award (2023)
 - Rachelle Pedersen – Susan M. Arseven '75 "Make a Difference" Memorial Award
- *Placements* –
 - Dr. Juliet Nyanamba – Postdoctoral research associate at Vanderbilt University
 - Katie Fletcher – Research scientist at The College Board

Undergraduate:

- *Current* – Bonnie Ho (2021-present); Natalia Juarez (2021-present); Elira Martin (2022-present), Allison Dennis (2022-present).
- *Former* – Ashaun Teague (2020); Erick Ordonez (2021); Gretchen Hubbard (2020-2021); Josephine Hulkewicz (2020-2021); Michael Avlonitis (2020-2021); Brittany Dunn (2021-2022); Caroline Smith (2021-2022); Jaiden Elizabeth Goerlitz (2021); Meenakshi Dara (2021-2022); Richard Monks (2021-2022); Tala Kharbat (2021-2022); Nyima Sanneh (2020-2022); Samiksha Sriramla (2021-2022).
- *Placements* –
 - Nyima Sanneh, REU (2020), REU (2021)
- *Student Awards*
 - Natalia Juarez, Best Poster at Student Research Week (Psychology Division, 2021)

SERVICE AND PROFESSIONAL DEVELOPMENT

Professional Organizations (International, National, and Regional)

Grant Proposals / Federal Advisory Boards

Department of Homeland Security (DHS)

- Grant reviewer for the Scientific Leadership Awards for Minority Serving Institutions program: 2012 & 2014.

National Aeronautics and Space Administration (NASA)

- Expert Review Panel Member for NASA's Minority University Research and Education Program (MUREP) Aerospace Academy (MAA): 2020.
- Workforce and Career Readiness Expert Review Panel Member: 2022a, 2022b.

National Institutes of Health (NIH)

- Member of External Scientific Panel for the Diversity of the NIH funded Workforce Initiative: 2014-2015.
- Grant reviewer for the Coordination and Evaluation Center for Workforce Diversity program: 2014.

National Science Foundation (NSF)

- Grant review panel member: 2015, 2016, 2017, 2018, 2020(a, b), 2021, 2022, 2023.

Sloan Foundation

- Grant reviewer: 2017.

William T. Grant Foundation

- Grant reviewer: 2021.

External Reviewer for Promotion and Tenure

University of Wisconsin-Madison, 2021

Journal Associate Editor

Understanding Interventions Journal (2022-present)

CBE—Life Sciences Education (2023-present)

Journal Editorial Board

Journal of Educational Psychology (2014-present)

National Report / Journal Ad Hoc Reviewer

National Academies of Sciences, Engineering, and Medicine (NASEM)

- Reviewer for *Developing Indicators for Undergraduate STEM Education* report, 2017.
- Reviewer for *Strengthening Research Experiences for Undergraduate STEM Students* report, 2016.

Ad hoc Journal Peer Review: BioMed Central Research Notes, CBE-Life Sciences Education, Communications Earth & Environment, Cultural Diversity and Ethnic Minority Psychology, Educational Administration Quarterly, Educational Psychology Review, Ethics & Behavior, European Journal of Psychology of Education, Frontiers in Education, Frontiers in Sociology, Group-Relations and Intergroup Processes, International Journal of STEM Education, Journal of Diversity in Higher Education, Journal of Educational Psychology, Journal of Educational Research, Journal of Psychology: Interdisciplinary and Applied, Learning and Individual Differences, PLOS ONE, Proceedings of the National Academy of Sciences of the United States of America (PNAS).

Conferences

American Educational Research Association (AERA)

- Division C (Learning and Instruction)
 - Annual Convention Proposal Reviewer. 2014 – 2015.
- Division D (Measurement and Research Methodologies)
 - Affirmative Action Committee Chair. 2015 – 2016.
 - Affirmative Action Committee Member. 2013 – 2015.
 - Annual Convention Proposal Reviewer. 2015.

- Mentoring and Mentorship SIG
 - Annual Convention Proposal Reviewer. 2022
- American Psychological Association (APA) Division 15 (Educational Psychology)
- Annual Convention Proposal Reviewer. 2014, 2018, 2022.
- CUREnet
- Contributor to the Next Generation CURE assessment meeting. March, 2016.
- Rocky Mountain Psychological Association
- Annual Convention Proposal Reviewer. 2014.

University, College, or Department

Texas A&M University

University

- 2022 – Representative to the TAMU Council of Principal Investigators for the School of Education and Human Development
- 2020 – Facilitator for the TAMU Center for Teaching Excellence Faculty Mentoring Academy workshops
- 2020 – 2021 TLAC representative to the TAMU Graduate School Task Force
- 2020 Consultant to the TAMU Task Force to Update Course Evaluation
- 2019 – 2020 Engineering Education Faculty Keep Moving Forward Task Force.
- 2019 Trainee at the TAMU Dean of Faculties sponsored *Facilitating Entering Mentoring Workshop*.

College of Education and Human Development

- 2022 CEHD Dean Search Committee member
- 2021 – CEHD College Promotion and Tenure Committee (At Large Member)
- 2021 Guest presenter for the EPSY Brown Bag Talk
- 2020 – Peer Mentor for the Service, Teaching, and Research (STaR) Catapult Program
- 2020 – 2021 TLAC Representative to the CEHD Graduate Instruction Council (GIC)
- 2020 Guest panelist for CERD Coffee Chat
- 2020 Member for the Data Manager Search Committee

Department of Teaching, Learning, and Culture

- 2023 – TLAC Ed.D. Program Steering Committee
- 2022 – Representative of the Multicultural Emphasis area to the TLAC Executive Committee
- 2022 – Chair for the TLAC Multicultural Emphasis area
- 2021 – Co-Chair of the TLAC Multicultural/Latinx Tenure Track Full/Associate Professor Search Committee
- 2020 – Representative of the Multicultural Emphasis area to the TLAC Graduate Council Committee
- 2020 – 2022 Assistant Chair for the TLAC Multicultural Emphasis area
- 2020 – 2021 Member of the TLAC Early Childhood Education Faculty Search Committee
- 2019 Reviewer for CEHD CERD Catapult seed grant applications.

West Virginia University

2018 – 2019	Member of CEHS Academic Affairs Committee. West Virginia University.
2017 – 2019	Member of the Faculty Advisory Committee to the Vice President for Research. West Virginia University.
2015 – 2019	Member of the WVU Office of Undergraduate Research Advisory Council. West Virginia University.
2017	Member of the Faculty Award for Distinction in Mentoring Undergraduates in Research selection committee. West Virginia University.
2016 – 2017	CEHS Student Research Forum judge. West Virginia University.
2015 – 2017	Member of the Learning Sciences Ph.D. Planning Committee. West Virginia University.
2015 – 2016	Member of Search Committee for Learning Sciences and Human Development, two positions. West Virginia University.
2015 – 2016	Member of Search Committee for Instructional Design and Technology position. West Virginia University.
2015	WVU Summer Undergraduate Research Symposium judge. West Virginia University.
2015	Grant proposal reviewer for CEHS internal grant programs (i.e., the Program Evaluation and Research Center program and the Research Office program).

Colorado State University

2013 – 2014	Co-chair of the Research Methods Executive Committee for the School of Education. Colorado State University
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PROFESSIONAL MEMBERSHIPS

American Education Research Association

- Division C (Learning and Instruction)
- SIG. Motivation in Education
- SIG. Mentorship and Mentoring Practices

American Psychological Association

- Division 5 (Evaluation, Measurement, and Statistics)
- Division 15 (Educational Psychology)