

Meaghan Pearson

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EDUCATION

- Expected May 2024** **Ph.D. Candidate, Combined Program in Education and Psychology**
University of Michigan
- 2022** **M.S. in Psychology**
University of Michigan
- 2018** **B.A. in Statistics and Sociology**
University of Missouri – Columbia, summa cum laude

SCHOLARLY INTERESTS

Black Feminisms; Critical Qualitative and Quantitative Methodologies; STEM Higher Education; Sociology of Higher Education; Organizational Theory

PEER REVIEWED PUBLICATIONS

Refereed Publications

Jackson, J., **Pearson, M.**, Huang-Saad, A., & Mondisa, J. L. (2023). Innovating Innovation: Advancing Racial Equity in STEM Entrepreneurship Programming. *Journal of Women and Minorities in Science and Engineering*, 29(6), 49-79.

Pearson, M. I., Castle, S. D., Matz, R. L., Koester, B. P., & Byrd, W. C. (2022). Integrating Critical Approaches into Quantitative STEM Equity Work. *CBE—Life Sciences Education*, 21(1), es1.

Kilday, J. E., Brass, N. R., Ferguson, S., Ryan, A. M., & **Pearson, M. I.** (2022). Teachers' Management of Peer Relations: Associations with Fifth Grade Classroom Peer Ecologies. *The Journal of Experimental Education*, 1-20.

Under Review

Fiorini, S., Tarchinski, N., **Pearson, M.**, Medinaceli, M.V., Matz, R.L., Lucien, J., Lee, H.R., Koester, B., Denaro, K., Caporale, N., & Byrd, W.C. (Revise & Resubmit). Major Curricula as Structures for Disciplinary Acculturation that Result in Student Minoritization. *Frontiers in Education*.

Works in Progress

Pearson, M.I., Shekhar, P., Wilson, K., Handley, J., & Mondisa, J.L. (in prep). The Potential of Epistemic Justice: Examining How Organizational Mechanisms Shape Black Women Engineering Faculty's Participation in Entrepreneurial Education Programs.

Castle, S., Koester, B., Byrd, W.C., **Pearson, M.I.**, Bonem, E., Caporale, N., Cwik, S., Denaro, K., Fiorini, S., Matz, R.L., Mead, C., Rypkema, H., Sweeder, R.D., Whitcomb, K.M., Brownell, S., Singh, C., Levasque-Bristol, C., Molinaro, M. & McKay, T. (in prep). Exposing Inequity: A Multi-Institutional Analysis of Systematic Advantages in Introductory STEM Courses.

AWARDS, FELLOWSHIPS, & GRANTS

- 2023** University of Michigan, Ann Arbor, Rackham Graduate Student Research Grant, Internal Research Grant (*\$3000 for STEM Departments as Racialized Organizations: Exploring Racially Minoritized Undergraduate Student Experiences*)
- 2023** University of Michigan, Ann Arbor, Combined Program in Education and Psychology, Summer Diversity Research Award, Internal Research Grant (*\$1,000 for Examining Black Women STEM Faculty's Engagement in STEM Entrepreneurship Education Programming*)
- 2023** University of Michigan, Ann Arbor, Rackham Conference Travel Grant (\$900)
- 2022** Ford Dissertation Fellowship, Alternate/Honorable Mention
- 2021** University of Michigan Ann Arbor, Psychology Department, Summer Research Award, Internal Research Grant (*\$2000 for Revisiting History to Better Shape the Future: Identifying Factors that Influence URM STEM Identity and Degree Attainment*)
- 2018-present** University of Michigan, Ann Arbor, Rackham Merit Fellowship
- 2017-2018** University of Missouri, Columbia, McNair Scholar

CONFERENCE POSTERS & PRESENTATIONS

**denotes an undergraduate student mentee*

Pearson, M.I., Shekhar, P., Handley, J., & Mondisa, J.L. (2023, June). "Choosing Self Care and Preservation: Examining Black Women STEM Faculty's Decision to Pursue Entrepreneurship and entrepreneurship education programming [Oral and Paper Presentation]." American Society for Engineering Education (ASEE). Baltimore, MD, United States.

Srinivasan, V.*, Sweeder, R., **Pearson, M.I.**, Kedharnath, N., Haley, S. & Byrd, W.C. (2021, July). "Mapping Institutional Resources and Characterizing Institutional Practices for Diversity, Equity and Inclusion among STEM Majors [Poster Session]." Mid-Michigan Symposium for Undergraduate Research Experiences. Michigan State University, Virtual.

Gilbert-Sovern, J.*, Jackson, J., **Pearson, M.I.**, Huang-Saad, A. & Mondisa, J. (2021, April). "Innovating Innovation: Unpacking URM Engagement in NSF I-Corps [Oral and Poster

Presentation].” The Undergraduate Research Opportunity Program Symposia. University of Michigan, Virtual.

Pearson M.I. & Ryan, A.M. (2021, April). “The Role of Classroom Ethnic Friendships on Adolescents' Social Adjustment and Engagement in STEM Classrooms [Paper session].” American Education Research Association (AERA) Annual Meeting, Virtual.

Pearson, M.I. & Ryan, A.M. (2020, April). The Effect of Cross-Ethnic Friendships on Adolescents' Social Support and Engagement in Math and Science Classrooms [Conference session]. American Educational Research Association 2020 Division E Graduate Student Poster Session. San Francisco, CA, United States. <https://www.era20.net/> (Conference Cancelled due to Covid-19).

Pearson, M.I. & Burns, M. (2018, May). Effect of Gender and Age on Expectancy Value Theory for Math [Oral and Poster Presentation]. McNair Scholars Conference, Columbia, MO, United States.

INVITED TALKS

**denotes an undergraduate student mentee*

Pearson, M.I., Haley, S., Cao, R. *, Nigam, A. *, Srinivasan, V.*, Robinson, P. *, Kedharnath, N., & Byrd, W.C. (2023, February). “Reimagining Inclusive and Equitable Introductory STEM Courses: An Exploration of Undergraduate Student Perspectives [Oral Presentation].” 2023 University of California Davis Week of SEISMIC. Davis, California. +

Pearson, M. I., Castle, S. D., Matz, R. L., Koester, B. P., & Byrd, W. C. (2022, September). A Commitment to Revision: Considerations for Researchers and Practitioners Who Do STEM Equity Work [Oral Presentation]. 2022 University of Minnesota Week of SEISMIC. Virtual. +

Pearson, M. I., Castle, S. D., Matz, R. L., Koester, B. P., & Byrd, W. C. (2022, May). A Commitment to Revision: Considerations for Researchers and Practitioners Who Do STEM Equity Work [Oral Presentation]. Howard Hughes Medical Institute Inclusive Excellence Course-based Research Experience Retreat. Southfield, Michigan. +

Pearson, M.I., Castle, S. D., Matz, R. L., Koester, B. P., & Byrd, W. C. (2022, April). Integrating QuantCrit into STEM Equity Work [Oral Presentation]. Purdue Week of Sloan Equity and Inclusion in Introductory STEM Courses (SEISMIC). West Lafayette, Indiana.

RESEARCH & CONSULTANT EXPERIENCE

- 2022** Research Assistant, National Center for Institutional Diversity, University of Michigan, Ann Arbor
- Worked with program leads to assess how to better support academic fellows in the College of Literature, Science and the Arts (LSA) Collegiate Fellows Program (LCFP).
 - Collaborated with program leads to design a framework for LCFP.

- 2021-2022** Research Consultant, Detroit Hannan Center & LGBTQ+ Older Adult Housing Coalition, Detroit, MI
- Developed online needs assessment surveys in Qualtrics to gain information on how to help Detroit seniors age in place.
 - Curated reports of survey findings for community and coalition members.
- 2020-2021** Research Assistant, Intersectionality National Science Foundations' Innovation Corps (ICORPs) Project, University of Michigan
- Analyzed interview data of racially minoritized academic researchers who participated in ICORPs using interpretive phenomenological analysis.
 - Developed internal and scholarly report on ways to increase access and eliminate barriers for racially minoritized academic researchers in ICORPs.

TEACHING EXPERIENCE

Graduate Student Instructor, University of Michigan

- WN 2021** **PSYCH 303: Research Methods in Psychology (40 students).**
Responsibilities included developing and implementing weekly instructional materials on experimental psychology research methods, providing feedback on students' research design, analytical tools, and manuscripts, holding office hours and grading coursework.
- FA 2020** **PSYCH 351: Advanced Lab in Developmental Psychology (20 students).**
Responsibilities included developing and implementing weekly instructional materials on developmental psychology research methods, providing feedback on students' research design, analytical tools, and manuscripts, holding office hours and grading coursework.
- WN 2020** **PSYCH 111: Introduction to Psychology (course size ~ 300 students).**
Responsibilities included developing essay prompts and exam questions on psychological topics ranging from biological processes of behavior to cognitive and social development, grading assignments, holding weekly office hours and practice exam sessions.
- FA 2019** **PSYCH 351: Advanced Lab in Developmental Psychology (20 students).**
Responsibilities included developing and implementing weekly instructional materials on developmental psychology research methods, providing feedback on students' research design, analytical tools, and manuscripts, holding office hours and grading coursework.

MENTORING EXPERIENCE

Sloan Equity and Inclusion in Introductory STEM Courses (SEISMIC) Research Mentor,
University of Michigan, June 2021 – August 2021

- Mentored undergraduate students on how to interview participants and qualitatively code data.

UROP Research Mentor, University of Michigan, August 2020 – May 2021

- Mentored undergraduate students on how to develop and write research projects pertaining to DEI issues in the NSF I-Corps Program.

Co-Coordinator for Rackham Critical Intersectionality Workshop, University of Michigan, 2019-2020

- Facilitated monthly workshops on how to integrate intersectionality theory and praxis into research and teaching for graduate students.

ACADEMIC SERVICE

To the Discipline

2023 Ad Hoc Reviewer, Linguistics and Education

2021-2022 SEISMIC Task Force

To the Institution

2022-2023 Student Representative, Psychology Department Diversity Committee, University of Michigan, Ann Arbor

2021-2022 Student Representative, Combined Program in Education and Psychology Diversity Committee, University of Michigan, Ann Arbor

2020-2021 Student Representative, Combined Program in Education and Psychology Admissions Committee, University of Michigan, Ann Arbor

2020-2021 Student Representative, Psychology Diversity Committee, University of Michigan, Ann Arbor

2019-2020 Student Representative, Combined Program in Education and Psychology Colloquium Committee, University of Michigan, Ann Arbor

PROFESSIONAL ASSOCIATIONS

American Educational Research Association
American Society for Engineering Education