

CURRICULUM VITAE
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EDUCATION

Ph.D.	Howard University Department of Psychology Concentration: Developmental Psychology Minor concentration: Neuro science	Washington, D. C.
M.S.	Howard University Department of Psychology Concentration: Developmental Psychology	Washington, D. C.
B.S.	Howard University Major: Mechanical Engineering	Washington, D. C.

RESEARCH & PROFESSIONAL EXPERIENCE

Associate Professor (August 2024-Present)

Department of Psychology, Morgan State University

Research Interests: Socio-Cultural factors associated with retention, participation and leadership in science and engineering; Human Factors engineering and psychology; The Black Child Developmental Experience

Assistant Professor August 2019-July 2024

Department of Psychology, Morgan State University

Senior Research Scientist and Project Director (November 2017-May 2019)

Ken Consulting Inc.

Responsible for research, content development and production of NCES Distance Learning Dataset Training modules (DLDT). The DLDT program provides information about NCES datasets and the tools that users need to find published reports, explore and acquire data, create data files, and conduct analyses. Datasets contain information across a broad spectrum of child populations and developmental systems. Examples include the Early Childhood Longitudinal Program (ECLS) and the International Activities Program Studies (IAPS).

Assistant Program Director (August 2011-August 2019)

Department of Psychology, University of Maryland Baltimore County @ the Universities at Shady Grove

Responsible for assisting the Program Director with a variety of administrative duties, including coordination of advising, adjunct faculty management, recruitment, and faculty syllabi reviews. Instructed courses in Research Methods, Experimental Psychology, Child Development & Culture, and Aggression.

University System of Maryland (2007-2019)

- (August 2011-2019) Department of Psychology
University of Maryland Baltimore County (UMBC) @ the Universities at Shady Grove Rockville, MD
- (August 2010- May 2011) Department of Psychology
Bowie State University (BSU) Bowie, MD
- (August 2007- July 2010) Department of Human Development
University of Maryland College Park, MD

Research Affiliate, (April 2013-2022)

University of Maryland Baltimore County
Maton Lab

Research and Program evaluation teams: Meyerhoff Adaption Program.
Principal Investigator, Kenneth Maton, Ph.D.

Research Affiliate, (August 2009-August 2010)

Forum for Family Involvement
Maryland Population Center
University of Maryland College Park, MD.
Director, Natasha Cabrera, Ph.D.

Research Affiliate, (August 1996- July 2006)

Capstone Institute (aka Center for Research on the Education of Children Placed Risk)
Howard University, Washington D. C.
Director, A. Wade Boykin, Ph.D.

RESEARCH AWARDS, PROPOSALS, CONTRACTS & STIPENDS

<u>Submission Date/Funding Year(s)</u>	<u>Total/Source/Status</u>
August, 2025	\$349k NSF HBCU UP Broadening Participation in STEM Title: The Impact of Structured Support Programs on Engineering Student Retention and Degree Completion (SPUR-E)
October, 2024	\$3.2M NSF Racial Equity (Not funded) Title: Empowering Future Engineers: Teaching Computational and Transportation Engineering to Underrepresented Youth
August, 2024	\$1.3M National Science Foundation (Not funded) Title: Developing and Testing Innovations DTI STEM Integrated Transportation Education for Third Grade Students
Jan 1 st 2022-Dec 31 st 2022	\$74.8k Alfred P. Sloan Foundation

	Project Title: Planning Multi-Mentoring Models for Undergraduate Research Pathways in STEM
Jul 1 st 2020-Jul 31 st 2024	\$2.8M NSF Innovative Technology Experiences for Students and Teachers (ITEST)
	Project Title: Baltimore Online Algebra for Students in Technology (BOAST)
July 20 th -31 st 2024	\$2k Morgan State Summer Writing Institute
July 20 th -31 st 2023, 2020	\$1k Morgan State Summer Writing Institute
Jun 2018-Jun 2019	\$580k National Center for Education Statistics
	Contract Title: Distance Learning Dataset Training (DLDT)
May 2017-Jan 2018	\$3.5k Quality Matters Alternate Course Delivery Program Stipend: Online Course Design

FELLOWSHIPS, PRE-POST DOCTORAL APPOINTMENTS

- Fellow (May 2024-May 2025) Mixture Modeling for Discipline-Based Education Researchers (MM4DBERS)
University of California Santa Barbara
- Fellow (June, 2008-June, 2009)
University of Virginia, Charlottesville, VA
National Center for Research on Early Childhood Education
- Post-Doctoral Appointment (November 2006-July 2007)
University of Maryland College Park
Institute for Child Study, Department of Human Development

PROFESSIONAL DEVELOPMENT

- Morgan State Large Data Set Analysis Training in SPSS (June 2025). MSU Institutional Research Program
- Morgan State University Summer Writing Institute (June 2020, June 2023, June 2024)
- Quality Education for Minorities (QEM) Network Proposal Development Workshop for the NSF's Research on Learning in Formal and Informal Settings (DRL) programs (November 2019)
- Department of Education/National Center for Education Statistics (NCES) Early Childhood Longitudinal Study- Birth Cohort Data Base Training Seminar (January 2010)
- The Eunice Kennedy Shriver National Institute of Child Health and Human Development NICHD Study of Early Childcare and Youth Development Data Base Training (July 2008)

STUDENT TRAINING AND COURSEWORK INITIATIVES

- Mentoring in Research, Analysis and Dissemination (MRAAD). Founder and chair of a university student mentoring group that offers mentorship and training through the full research cycle—from data analysis and interpretation to manuscript development and the publication process. The 2024-25 cohort of undergraduate students assisted with manuscript preparation of a publication scheduled to be submitted by the fall of 2025.
- Data Analysis Workshops. Developed and integrated SPSS and data visualization workshops into developmental and experimental psychology courses across all undergraduate levels.
- Course Redesign (Spring 2024, 2025). Experimental Psychology. Created new lesson plan in flipped course format, with content that advances knowledge in categorical and continuous variables, scales of measurement, determinants of experimental and relational studies, and ethogram lab data collection.
- New Course LMS & Text (Fall 2023). General Psychology- Incorporated new text and learning assignments.
- Managed adoption of New Course Learning Management System & Text Revision (Spring 2024). Developmental Psychology- Managed incorporation of unified text adoption across all sections +of course. Coordinated orientation for usage of publisher's new LMS and assignment into Canvas.
- Guest Lecturer (2012 and 2022). Annual Meyerhoff STEM Summer Bridge six-week seminar. Course Title: "Race Science and Society"
- New Course Designs
 - Child Development & Culture (2017; online format redesign)
 - Research Methods & Statistics (2015; hybrid format redesign)
 - Child Development & Socialization (2011 new course development)
 - Child Development & Poverty (2014; new course development)
- Morgan State University
 - Statistics*
 - General Psychology*
 - Developmental Psychology*
 - Psychology of Learning*
 - Experimental Psychology*
- University of Maryland Baltimore County (UMBC)
 - Statistics and Research Methods*
 - Child Development & Culture*
 - Child Development and Poverty
 - Psychology of Aggression and Anti-Social Behavior*
 - Undergraduate Research Experience (Independent Study course)
- Bowie State University (BSU)
 - General Psychology
 - Senior Thesis Seminar
- University of Maryland College Park (UMCP)

- Human Development & Societal Institutions, Adolescent Aggression
- Life Span/Human Development
- Community Mobilization

*Online and Hybrid Modalities

ANALYTIC, ONLINE TEACHING & SOFTWARE TRAINING

- Mixture Modeling (2024-2025)
- Morgan State Teach Online (Summer 2020)
- Canvas (2019)
- Nvivo (2016)
- SPSS; R (2015)
- Blackboard (2011)

PROFESSIONAL PUBLICATIONS

Jones Harden, B., Burns, D., & **Watkins-Lewis, K.** (2024). African-American children in the child welfare system. In Y. Harris (Ed.), *Children of Color in the Child Welfare System: Clinical and Developmental Processes*. Washington, DC: American Psychological Association.

Watkins-Lewis K, Dillon H.E., Sliger R.N., Becker B.J., Cline E., Greengrove C., James P.A., Kitali A.E., Minthorn G., Scarcella A.S. (2023) Work-In-Progress: Multiple Mentor Model for Cross-Institutional Collaboration and Undergraduate Research. *American Society for Engineering Education Annual Conference*. Baltimore MD

Warren, K. R., Parker E. A., Maryam Ganjavi M., **Watkins-Lewis K**, Clark, S., Randolph-Cunningham S., & Hancock, Y. (2023). Peer-led focus groups identify barriers to physical activity and healthy eating in African American adolescents from Baltimore City, *Ethnicity & Disease*

Watkins-Lewis, K., Sto. Domingo, M., Singh, R., Telfer, N. Harrington, E., Wideman Moraga, R. & Maton K. (2023). "Relationships among Sense of Community, Science Self-Efficacy, and Science Identity for Female Meyerhoff Scholars: Implications for Pathways to Broadening the Workforce in STEM." *Journal of Women and Minorities in Science and Engineering* 29(3):57-86

Glass, C., Davis, L., & **Watkins-Lewis, K.** (2022). A visualization and optimization of the impact of a severe weather disruption to an air transportation network. *Computers & Industrial Engineering*, 168. <https://doi-org.proxy-ms.researchport.umd.edu/10.1016/j.cie.2022.107978>

Sanders, M. G., **Watkins-Lewis, K.** & Keshara, C. (2017). The Role of Out-of-School Time Programs in Bridging the Diversity Gap and Improving Educational Opportunities for African American Students. *The Growing Out-of-School Time Field: Past, Present, and Future*. Charlotte, NC: Information Age Publishing.

Grabowski, C., Rush, M., Ragen, K., Fayard, V. & **Watkins-Lewis, K.** (2016). Today's non-traditional student: Challenges to academic success and degree completion. *Inquiries*, 8(03). Retrieved from <http://www.inquiriesjournal.com/a?id=1377>

- Maton, K. **Watkins-Lewis, K.**, Beason, T. & Hrabowski, F. A. (2015) Enhancing the Number of African Americans Pursuing the PhD in Engineering: Outcomes and Processes in the Meyerhoff Scholarship Program. In Pearson, W. & Tao, Y. (Eds.) *Changing the Face of Engineering: The African American Experience*. Baltimore, MD: Johns Hopkins University Press.
- Watkins-Lewis, K.** & Hamre, B. K. (2012). African-American parenting characteristics and their association with children's cognitive and academic school readiness. *Journal Of African American Studies*, 16(3), 390-405. doi:10.1007/s12111-011-9195-9.
- Cabrera, N., Kondelis, B., Aldoney, D., Kennedy, T., & **Watkins-Lewis, K** (2011). Social adaptation and positive adjustment of young Latino children. In Cabrera, N. (Ed.) *Acculturation, parenting, and young children's behavioral problems*. Santa Barbara, CA: ABC-CLIO Publishers.
- Boykin, A.W., **Watkins-Lewis, K** (2006). Culture in the Sanctioned Classroom Practices of Elementary School Teachers Serving Low-Income African American Students. *Journal Of Education For Students Placed At Risk*, 11(2), 161-173. doi:10.1207/s15327671
- Randolph, S. M., & **Watkins-Lewis, K.** (1996). Research on African American infants: Unraveling the cultural matrix. *Infant Behavior and Development*, 19(1), 70. [https://doi.org/10.1016/S0022-2836\(02\)00619-8](https://doi.org/10.1016/S0022-2836(02)00619-8)

TECHNICAL REPORTS

- Watkins-Lewis, K. (2021, June). Planning Year evaluation assessment of the Baltimore Online Algebra for Students in Technology (BOAST). Baltimore MD: Johns Hopkins University.
- Maton, K., Watkins-Lewis, K., & Sto. Domingo, M. (2014, August). Process evaluation assessment of new Science, Technology, Engineering and Science (STEM) scholarship programs for underrepresented minority students at American public universities. Chevy Chase MD: Howard Hughes Medical Institute.

PRESENTATIONS & PANELS

- Karen Watkins-Lewis (2024, August 15) *Intersection of Science, Social justice & Equity* [Guest Speaker] Vivien Thomas Scholars Initiative. Johns Hopkins University, Baltimore MD.
- Karen Watkins-Lewis (2023, August 15) *Intersection of Science, Social justice & Equity* [Guest Speaker] Vivien Thomas Scholars Initiative. Johns Hopkins University, Baltimore MD.
- Karen Watkins-Lewis & Heather Dillon (2023, June 27). *Multiple Mentor Model for Cross-Institutional Collaboration and Undergraduate Research* [Conference Presentation]. American Society for Engineering Education 2023 Conference, Baltimore, MD.

- Karen Watkins-Lewis (2023, April 15). *Career Pathways in Science & Engineering* [Presentation]. Women & Gender Studies/Collaborative Online International Learning (COIL) lecture. Morgan State University, Baltimore MD
- Karen Watkins-Lewis (2022, August 20) *Intersection of Science, Social justice & Equity* [Guest Speaker] Vivien Thomas Scholars Initiative. Johns Hopkins University, Baltimore MD.
- Karen Watkins-Lewis (2022, March 24) *Being a Black female professional in the vast field of psychology* [Panelist]. Black In Psych. <https://www.blackinpsych.org/>
- Karen Watkins-Lewis (2021, August) College Readiness and Success [Presentation]. The Fairwood Community Parent & Education Group Symposium. Bowie, MD
- Karen Watkins-Lewis (2021, April 30) *Relationships among Sense of Community, Science Self-Efficacy, and Science Identity for Female Students of Color in Science and Engineering: Implications for Pathways to Broadening the Workforce in STEM* [Guest Speaker]. Stevenson University, Owings Mills, MD.
- Karen Watkins-Lewis (2021, April 21) *Broadening Participation among African-American Females in Science and Engineering* [Presentation] Morgan State University, College of Liberal Arts, Baltimore MD.
- Karen Watkins-Lewis (2021, April 8) *Transitioning from Lecturer to a Research Inclusive Position* [Guest Speaker]. Thrive Institute for Professional Development, Boston University, Boston, MA.
- Karen Watkins-Lewis (2020, January 13). *Socio-Cultural Factors associated with Motivating African-American female Participation in Engineering* [Panelist]. Education & Urban Studies School Wide Meeting. Morgan State University. Baltimore, MD.
- Karen Watkins-Lewis & Kemi Ladeji-Osias (2020, February 6). *Women in the Engineering Fields* [Presentation] Brown Bag Series: Women, Gender, and Sexuality. Morgan State University, MD.
- Karen Watkins-Lewis (2019, July 10). *How to Make it Through Your First Year of College* [Presentation]. Student and Family Seminar sponsored by the Prince Georges County Police Station, District 3. Landover MD..
- Karen Watkins-Lewis (April 16, 2018) *The State and Future of the Out-Of-School Time Field* [Conference Presentation]. American Educational Research Association 2018 Convention, New York, NY.
- Karen Watkins-Lewis (2016, June 25-26). *Changing the Face of Engineering: The African-American Experience* [Author Participant; by invitation only]. Changing the Face of Engineering 2015 Workshop. New Orleans, LA.
- Karen Watkins-Lewis, Mario Sto. Domingo (2014, November 15). *Implementation Assessment of the Meyerhoff Adaptation Partnership Project: Phase I* [Poster Presentation]. Annual Biomedical Research Careers for Minority Students 2014 symposium.

Kenneth Maton, Karen Watkins-Lewis, Mario Sto. Domingo (2014, May 17).
Implementation Assessment of the Meyerhoff Adaptation Partnership Project: Phase I [Panelist]. The Six Annual Conference on Understanding Interventions that Broaden Participation in Research Careers, Baltimore, MD.

Karen Watkins-Lewis (2009, June). *African-American Parenting Characteristics and their Relationship to Child School Readiness* [Presentation]. The Fourth Annual Institute for Educational Statistics Research Conference, Washington, DC.

Karen Watkins-Lewis (2009, April). *Parenting characteristics of African American families and their relationship to child emotional adjustment and academic achievement*. [Poster] Society for Research on Child Development, Denver, CO.

SERVICE (Morgan State University)

- Chair, Application Promotion & Tenure (APT) Support and Accountability Group (Fall 2023).
- Departmental Faculty Search Committee (Spring 2024)
- Fall Open House (Fall 2023). Participant; Recruited students for open house panel.
- Institutional Review Board (2020-Present)
- Women, Gender, and Sexuality Advisory Committee (2019-Present)
- Mae P Claytor and Martin D Jenkins Research Symposium Committee (Spring 2020-2024)