

## Ketrell L. McWhorter, Ph.D., M.B.A.

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### Teaching Philosophy

When it comes to teaching future scientists, my philosophy is to teach them *S.C.I.E.N.C.E.*!

**S.**cientific Literacy: I believe in equipping future scientific leaders with scientific literacy, empowering them with the ability to identify and judge appropriate scientific expertise with a level of inquisitiveness.

**C.**ompassion: I teach the importance of compassion and empathetically listening to scientific perspectives across disciplines.

**I.**nequalities in Health: I believe there is always an opportunity in every course to address the fundamental causes of *ine*qualities in health and the urgent need to eradicate them.

**E.**xperiential: I teach in a very *e*xperiential way, striving to create an interactive experience that is not just about me giving information, but guiding students to discover it themselves.

**N.**ovel: I push students to think of *n*ovel solutions to existing problems we face in the scientific community.

**C.**onnect: I foster opportunities for students to *c*onnect and communicate with one another in our current online learning environment.

**E.**ngagement: I probe beyond yes/no answers and facilitate *e*ngagement and participation, inviting students “on stage” to share or lead discussions.

My personal philosophy is to be accessible to my students, accountable for prompt and fair grading, accurate in what I teach and convey, and adaptable to changing environments.

### Education

2017	Ph.D.	Epidemiology (Molecular)	University of Cincinnati
2007	M.B.A.	Business Administration	Xavier University
2003	B.B.A.	Finance	University of Cincinnati
1999	B.A.	Sociology	University of Cincinnati

### Postdoctoral Training

2017-2018	<b>Intramural Research Training Award Fellow</b>	Epidemiology	National Institute of Environmental Health Sciences (NIEHS)
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- Investigated diet and sleep as key modifiable contributors to racial/ethnic disparities in perinatal outcomes (e.g. birthweight, infant mortality and preterm birth) and adult chronic diseases (e.g. obesity and diabetes) using a life-course perspective.

Principal Investigator: Dr. Chandra L. Jackson, Ph.D., M.S. – Earl Stadtman Investigator  
Social and Environmental Determinants of Health Equity Group

### Academic Appointments

2021-date	<b>Assistant Professor of Epidemiology</b> (tenure-track), Department of Epidemiology, College of Public Health, University of Kentucky, Lexington, KY
2021-date	<b>Director of Global Health Graduate Certificate</b> , Department of Epidemiology, College of Public Health, University of Kentucky, Lexington, KY

- 2019-2021 **Assistant Professor of Public Health** (tenure-track), Department of Science & Health, College of Science, Health & Mathematics, Asbury University, Wilmore, KY
- 2019-2021 **Public Health Program Coordinator**, Department of Science & Health, College of Science, Health & Mathematics, Asbury University, Wilmore, KY
- 2019-2021 **Undergraduate Student Advisor**, Public Health and Health Promotions and Wellness Bachelor of Science Programs, Department of Science & Health, College of Science, Health & Mathematics, Asbury University, Wilmore, KY

### Other Academic Positions/Employment

- 12/2018-8/2022 **Special Volunteer**, Epidemiology Branch, NIEHS, Department of Biostatistics and Epidemiology, Research Triangle Park, NC
- 1/2016-1/2017 **Graduate Research Assistant, University of Cincinnati, Department of Environmental Health & Cincinnati Children's Hospital and Medical Center, Division of Biostatistics and Epidemiology, Diabetes in Pregnancy Program Project**
- Investigated the relationship between intrauterine exposure to gestational weight gain among mothers with Type I Insulin-Dependent diabetes and adverse birth outcomes in the neonatal period and metabolic outcomes in adolescence and later life
- 8/2013-12/2015 **Graduate Research Assistant, University of Cincinnati, Department of Environmental Health, Division of Epidemiology**
- **Cancer Epidemiology** – Conducted statistical analysis of pre- and post-hormonal patterns for a cohort of girls with intrauterine and childhood exposure to perfluorooctanoic acid (PFOA) in the Growing Up Female Study; mentored summer intern performing a methodological study on the relationship between fiber intake and pubertal onset
  - **Molecular Epidemiology** – Performed data collection, including assay preparation, plating and Digital Droplet PCR for statistical analysis of Head and Neck Squamous Cell Carcinoma prediction in patients
  - **Community-based Epidemiology** – Conducted a literature review for a funding request to examine the relationship between psychosocial stress and risk perception of injection wells in a southeastern Ohio area
- 7/2012-8/2013 **Graduate Research Assistant, University of Cincinnati, Department of Research and Graduate Education, Biomedical Sciences Flex Option**
- **Neuroscience** - Observed the effect of high-fat diet (HFD) and low-fat diet (LFD) on circadian rhythms of wild type and clock mutant mice; weighed, fed and bled mice; participated in sacrificing and organ retrieval; prepared glucose and assisted a GTT; performed mice checks in free running diet; completed genotyping rPCR plate and routinely ran rPCR
  - **Biostatistics** - Contributed to biostatistical consultations with medical students, physicians and researchers; analyzed data from various clinical physicians conducting research
  - **Toxicology** - Examined role of long-term exposure to lead (Pb<sup>2+</sup>) on differentiation of embryonic stem (ES) cells into neuronal and glial cells; routinely ran qPCR and developed western blots; cell plating; split ES cells from one plate to 3 plates; mRNA extraction, Reverse Transcription and qPCR

- 7/2010-5/2012      **Microbiology Lab Student Assistant, University of Cincinnati, Department of Biological Sciences**
- Assisted in preparing labs for Microbiology, Cellular Structure, and Plant Physiology lab sections, including preparing solutions, pouring agar plates, test tubes and work stations; cleaning and organizing glassware
- 9/2011-5/2012      **Early Intervention Program (EIP) Counselor, University of Cincinnati Hospital, Department of Emergency Medicine**
- Screened and tested individuals at risk for HIV infection; provided linkage to care services and informational materials for HIV Risk Reduction

### **Certifications**

- 2019-date      **Personal Fitness Trainer**  
 American Council on Exercise (ACE) Certification  
 National Collegiate Athletic Association Accredited (NCAA) Program
- 2019-date      **Fitness Nutrition Specialist**  
 American Council on Exercise (ACE) Certification  
 National Collegiate Athletic Association Accredited (NCAA) Program

### **Academic Merit-Based Awards/Recognition**

- 2022    Excellent Undergraduate Research Mentor *Nominee* (1 of 41 nominees), Office of Undergraduate Research, University of Kentucky. <https://our.uky.edu/2022-research-mentor-nominees>
- 2021    PRograms to Increase Diversity among Individuals Engaged in Health-Related Research (PRIDE) – Cardiovascular Disease Comorbidities, Genetics and Epidemiology (CVG-CGE). ***All-expense paid*** summer institute program, initiated and funded by the NHLBI, Washington University in St. Louis. July 12-28, 2021.
- 2021    Genomics for Social Scientists, (GeSS) Virtual Workshop, National Institute on Aging, University of Michigan, Ann Arbor, MI, USA. Using the Health and Retirement Study data as a model in both lecture and lab formats, researchers conduct statistical examinations of genetic data and incorporate genetic information into social science analyses. June 7-11, 2021.
- 2020    Louisville Defender Weekly Newspaper – Featured among 11 African American Achievers, African American Achievers Recognition Publication, February 20, 2020, vol 86, #50, Section A
- 2017    Marco Cabrera Poster Award – Poster presentation winner, Translational Research National Institute of Diabetes and Digestive and Kidney Disease, Network of Minority Research Investigators
- 2017    1 of 8 NIEHS post-doctoral fellows selected for oral presentation in the 2017 NIEHS Science Days focusing on early life origins of health and disease, “*Traumatic Childhood Experiences and Sleep Disturbance in Adult Women*”

## Professional Societies

2022-date	University of Kentucky Center for Appalachian Research in Environmental Sciences (UK-CARES)	Associate Member
2022-date	Consortium of Universities for Global Health	Member
2021-date	Association of Schools and Programs of Public Health	Member
2021-date	American Heart Association	Member
2021	Society for Public Health Education	Member
2019-date	American Public Health Association <i>Epidemiology Section</i> <i>Public Health Education and Health Promotion</i>	Governing Counselor Advocacy Committee, Chair
2019-date	Kentucky Diabetes Network, Inc. <i>Diabetes Prevention Group</i>	Member
2019-date	Kentucky Academy of Science	Member
2019-date	Society for Epidemiological Research	Member
2017-date	Genomics & Health Disparities Interest Group <i>National Institute of Health</i>	Member

## Funded Research

### Principal Investigator:

#### **National Center for Advancing Translational Sciences, Diversity Supplement Grant**

Project dates: 7/7/2023 – 6/30/2024, \$175,026

Title: Impact of co-exposures on pediatric obesity and sleep in Appalachian Children

#### **PRograms to Increase Diversity among Individuals Engaged in Health-Related Research (PRIDE) Cardiovascular Disease Comorbidities, Genetics and Epidemiology (CVG-CGE) Program**

Project dates: 10/1/2021 – 9/31/2022, \$19,000

Title: Impact of Secondhand Tobacco Smoke on Sleep and Cardiometabolic Health in a Rural Appalachian Pediatric Cohort

## Fellowship Awards

Funding period	1/2014 – 1/2017
Project title	<b>The Association Between Gestational Weight Gain and Weight Gain Patterns with Large-for-Gestational Age Outcomes Among Women with Type I Insulin-Dependent Diabetes</b>
Funding source	Molecular Epidemiology in Children's Environmental Health Fellowship (MECEH) University of Cincinnati, PhD Program
Funding level	\$23,000/year
Principal Investigator	Jane C. Khoury, PhD
Program Director	Ranjan Deka, PhD
Research Objectives	1) Examine changing trends in LGA prevalence over 30 years; 2) Examine the relationship between gestational weight gain (GWG) and risk of LGA at birth and determine if patterns of weight gain in early pregnancy more sensitively predict LGA compared to total GWG; and 3) to examine overweight/obesity outcomes among adolescent/adult offspring exposed to hyperglycemic intrauterine environments

Funding period 7/2012 – 8/2013  
 Funding source Biomedical Flex Options Rotational Fellowship  
 University of Cincinnati, PhD Program  
 Funding level \$22,000/year  
 Principal Investigator 1) Randy Seeley, PhD, 2) Kim Dietrich, PhD, 3) Alvaro Puga, PhD  
 Program Director Robert Highsmith, PhD  
 Research Objectives 1) Observe the effect of high-fat diet (HFD) and low-fat diet (LFD) on circadian rhythms of wild type and clock mutant mice.; 2) Observe and contribute to biostatistical consultations with medical students, physicians and researchers.; and 3) Determine whether long-term exposure of lead (Pb<sup>2+</sup>) disrupts the differentiation of embryonic stem (ES) cells into neuronal and glial cells

Funding period Summer 2011  
 Project title **Role of Insulin in Hepatic Lipid Disorders**  
 Funding source Physician Scientist Training Program Fellowship  
 University of Cincinnati, Department of Pathology and Laboratory Medicine  
 Funding level \$10,000  
 Principal Investigator Anja Jaeschke, PhD  
 Program Director Luran Mayleben  
 Research Objective Determined the relationship between insulin modulations and triglyceride accumulation (leading to Non-Alcoholic Fatty Liver Disease) in liver cells

Funding period Summer 2010  
 Project title **Role Synthesis of the Photoremovable Protecting Group:(E)-methyl 4-hydroxy-4-(4-methoxy-2,5-dimethylphenyl) but-2-enoate**  
 Funding source Women In Science & Engineering Program Fellowship  
 University of Cincinnati  
 Department of Chemistry  
 Funding level \$10,000  
 Principal Investigator Anna Gudmundsdottir, PhD  
 Program Director Urmila Ghia, PhD  
 Research Objective Synthesized a new Photoremovable Protecting Group (PRPG) as well as studied the mechanism for release using laser flash photolysis

### **Conference Trainings/Workshops**

- 2023 **Teach Global Health: 2023 Summer Institute for Undergraduate Curriculum Course Design, Allegheny College, Meadville, PA.** Engage educators to develop a novel global health course, modify an existing course, or develop a module to add more explicit global health content.
- 2023 **Faculty Success Program 2023 Cohort.** *Virtual.* National Center for Faculty Development and Diversity. Specialize in developing, connecting, and mentoring academic leaders within higher education.
- 2022 **Global Engagement Academy, University of Kentucky, USA.** Professional development program designed for the University of Kentucky faculty and staff to build cross-cutting competencies in international engagement and education.

- 2022 **Center for the Enhancement of Learning and Teaching (CELT) Teaching Innovation Institute 2022-2023 Cohort, University of Kentucky, USA.** Cohort-based program for exploring, experimenting, reflecting on, and implementing innovative and inclusive teaching methods for responding to emergent issues in higher education.
- 2022 **Environmental Mixtures Workshop: Applications in Environmental Health Studies, UK-CARES-Sponsored.** Rigorous introduction to supervised and unsupervised methods to analyze exposure to mixtures in environmental health. Mailman School of Public Health, Columbia University. *Virtual.*
- 2020 **Panelist, Faculty Retreat, Asbury University, Wilmore, KY, USA.** Transformative Teaching in Challenging Times: Teaching in a COVID-19 era, Adapting to Technology, and Addressing Diversity.
- 2020 **Society for Epidemiological Research Course Development and Revision Workshop, Washington DC, USA.** Targeted at faculty members teaching or developing an epidemiologic methods course. Workshop focused on syllabus development, course content, textbook selection, and course evaluation.
- 2016 **Emory Exposome Summer Course, Hercules Center at Emory University, Atlanta, GA, USA.** Comprehensive, interactive and intensive week-long course designed to explore cumulative measures of environmental influences and their relation to disease in later life.

### **Travel Grant Awards**

- 2020 **Annual International Society for Environmental Epidemiology Travel Award**  
32<sup>nd</sup> Annual International Society for Environmental Epidemiology 2020 Virtual Conference

### **Invited Oral Presentations**

- 2023 Undergraduate Research Experience In Environmental Health Sciences Program (SUREs) summer sessions. June 26, 2023.
- 2023 Kentucky Public Health Association Student Engagement Pre-Conference. Ten Essential Public Health Services Roundtable Discussions. Bowling Green, Kentucky. April 19, 2023.
- 2022 Impact of Secondhand Tobacco Smoke on Sleep and Cardiometabolic Health in a Rural Appalachian Pediatric Cohort. UK-CARES Friday Seminar. *Virtual.* May 20, 2022.
- 2022 Impact of Secondhand Tobacco Smoke on Sleep and Cardiometabolic Health in a Rural Appalachian Pediatric Cohort. Harvard University Sleep Epidemiology Friday Seminar. *Virtual.* January 28, 2022.
- 2021 Teaching Pedagogy: Teaching Scientists *S.C.I.E.N.C.E.!* University of Kentucky College of Public Health, Lexington, KY. April 5, 2021.
- 2020 Nutrition Literacy and Health Eating. Wellness Matters Seminar. Asbury University, Wilmore, KY. March 5, 2020.
- 2014 Public Health in 2014: Outbreak Investigation Simulation. Xavier University, Department of Health Services Administration, Cincinnati, OH. September 24, 2014.

## Scientific Oral Presentations

- 2023 A Lifecourse Approach to Investigate the Impact of Social and Environmental Factors on Sleep & Cardiometabolic Health Outcomes. Institute for Anthropological Research. Zagreb, Croatia. June 2023.
- 2022 **McWhorter KL**, Sucharew H, Redline S, Hilbert T, Haynes E. The Relationship between Secondhand Tobacco Smoke and Sleep Health in a Rural Appalachian Pediatric Cohort. 12<sup>th</sup> Annual Appalachian Translational Research Network (ATRN) Summit. Lexington, KY. November 14, 2022.
- 2020 A Lifecourse Approach to Investigate the Impact of Social and Environmental Factors on Sleep & Cardiometabolic Health Outcomes. Cincinnati Children's Hospital and Medical Center, Biostatistics and Epidemiology Division Seminar, Cincinnati, OH. December 9, 2020.
- 2019 A Lifecourse Approach to Investigate the Impact of Social and Environmental Factors on Sleep & Cardiometabolic Health Outcomes. University of Kentucky College of Public Health, Epidemiology Seminar Series, Lexington, KY. December 12, 2019.
- 2019 **McWhorter K**, Park CG, Gaston SA, D'Alosio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. Racial Differences in Traumatic Childhood Experiences and Suboptimal Sleep among Adult Women. Presented by Darlynn Rojo-Wissar. 33<sup>rd</sup> Annual Meeting of the Associated Professional Sleep Societies, LLC. San Antonio, TX. June 11, 2019.
- McWhorter K**, Gaston, SA, Feinstein LB, Troxel WM, Sharkey KM, Jackson CL. Racial/Ethnic Disparities in Sleep Duration and Sleep Disturbances among Pregnant and Non-Pregnant Women in the United States. Presented by Chandra Jackson. 33<sup>rd</sup> Annual Meeting of the Associated Professional Sleep Societies, LLC. San Antonio, TX. June 11, 2019.
- 2018 **McWhorter K**. The Association Between Gestational Weight Patterns in Early Pregnancy and Large-for-Gestational Age Infants Among Women with Type I Diabetes. Presented by Katherine Bowers. Society for Epidemiological Research Annual Meeting. Baltimore, MD. June 21, 2018.
- McWhorter K**. Racial Differences in Traumatic Childhood Experiences and Suboptimal Sleep among Adult Women. Presented by Darlynn M. Rojo-Wissar. 32<sup>nd</sup> Annual Meeting of the Associated Professional Sleep Societies, LLC. Baltimore, MD. June 4, 2018.
- 2017 **McWhorter K**. Traumatic Childhood Experiences and Suboptimal Sleep in Adult Women. National Institute of Environmental Health Sciences 15<sup>th</sup> Annual Science Days. Research Triangle Park, NC. November 2, 2017.

## Peer-Reviewed Publications

### **Original Reports**

- Park JC, Nam GE, Yu J, **McWhorter KL**, Liu J, Lee HS, Lee SS, Han K. Association of sustained low or high income and income changes with risk of incident type 2 diabetes: a nationwide population-based cohort study. *JAMA Network Open*. 2023 May. *accepted*.

- Whembolua GL, Elewonibi B., Hardee A., Ilunga Tshiswaka D, **McWhorter K**. Determinants of Infant and Young Children Feeding Practices in Democratic Republic of the Congo: Evidence from the 2014 Demographic and Health Survey. *Journal of Human Nutrition and Dietetics*. 2023 May. *under revision*.
- Gaston SA\*, **McWhorter KL\***, Park CG, D'Alosio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. Racial/Ethnic Disparities in the Relationship between Traumatic Childhood Experiences and Suboptimal Sleep Dimensions among Adult Women: Findings from the Sister Study. *Int J Behav Med*. 2020 Jul 28. doi: 10.1007/s12529-020-09905-5. \*Drs. Gaston and McWhorter equally contributed to the manuscript and share first authorship.
- Feinstein LB, **McWhorter KL**, Gaston SA, Troxel WM, Sharkey KM, Jackson CL. Racial/Ethnic Disparities in Sleep Duration and Sleep Disturbances among Pregnant and Non-Pregnant Women in the United States. *J Sleep Res*. 2020 Feb 29;e13000. doi: 10.1111/jsr.13000. [Epub ahead of print] [PMID 32112620]
- **McWhorter KL**, Park, YM, Gaston SA, Fang KB, Sandler DP, Jackson CL. Multiple Sleep Dimensions and Type 2 Diabetes Risk Among Women in the Sister Study: Differences by Race/Ethnicity. *BMJ Open Diab Res Care*. 2019;7:e000652. doi: 10.1136/bmjdr-2019-000652.
- Pinney SM, Windham GC, Xie C, Herrick RL, Calafat AM, **McWhorter KL**, Fassler CS, Hiatt RA, Kushi LH, Biro FM, the Breast Cancer and Environment Research Program. Perfluorooctanoate and Changes in Anthropometric Parameters with Age in Young Girls in the Greater Cincinnati and San Francisco Bay Area. *International Journal of Hygiene and Environmental Health*. 2019; 222(7):1038-1046. [PMID 31300293]
- **McWhorter KL**, Parks CG, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. Traumatic Childhood Experiences and Multiple Dimensions of Poor Sleep among Adult Women. *SLEEP*. 2019; doi: 10.1093/sleep/zsz108. [PMID 31260523]. Editor's Choice.
- Gaston SA, Park YM, **McWhorter KL**, Sandler DP, Jackson CL. Multiple Poor Sleep Characteristics and Metabolic Abnormalities Consistent with Metabolic syndrome among White, Black, and Hispanic/Latina Women: Modification by Menopausal Status. *Diabetology & Metabolic Syndrome*. 2019; 11:17. [PMID 30815038]
- **McWhorter KL**, Bowers K, Dolan L, Deka R, Jackson CL, Khoury J. Assessing the Impact of Excessive Gestational Weight Gain among Women with Type 1 Diabetes and Overweight/Obesity in their Adolescent and Young Adult Offspring: A Pilot Study. *Frontiers in Endocrinology, section: Diabetes During and Beyond Pregnancy: A Life Course Perspective*. 2018; 9:713. [PMID 30559715]
- **McWhorter KL**, Bowers K, Dolan L, Deka R, Jackson CL, Khoury J. The Impact of Excessive Gestational Weight Gain and Pre-pregnancy Body Mass Index on the Prevalence of Large-for-Gestational Age Infants Among Women with Type I Insulin-Dependent Diabetes: A Cross-Sectional Population Study. *BMJ Open*. 2018; 8(3):e019617. [PMID 29602844]
- Kawakita T, Bowers K, **McWhorter KL**, Rosen B, Adams M, et al. Characterizing Gestational Weight Gain According to Institute of Medicine Guidelines in Women with Type I Diabetes Mellitus: Association with Maternal and Perinatal Outcome. *American Journal of Perinatology*. 2016; 33(13):1266-1272. [PMID 27398703]



### Non-Peer-Reviewed Publications

- Schmidlin K, **McWhorter KL**, Kelley AL., Levin L, Smith AM. Redefining Total and Peak Ragweed Pollen Season for the Practicing Allergist. *Supplement to Annals of Allergy, Asthma, and Immunology*. 2013;111:A17

### Book Chapter

- McWhorter, KL. Obesity Acceptance: Body Image and Clinical Risk Factors. *Cardiac Diseases*. Intech Open. 17 September 2020. DOI: 10.5772/intechopen.93540.

### Poster Presentations

#### INTERNATIONAL

- Park JC, Yu J, **McWhorter KL**, Liu J, Lee HS, Lee SS, Han K. Income Fluctuation and Risk of Incident Type 2 Diabetes: A Nationwide Population-Based Cohort Study. 2022 International Congress of Diabetes and Metabolism. Seoul, Korea.
- **McWhorter KL**, Brokamp C, Jackson CL, Ryan P. (2020, August) Cumulative Early-Life Traffic-Related Air Pollution Exposure and Sleep Disturbance Consistent with Sleep Disordered Breathing among 12-Year-Old Children. 32<sup>nd</sup> Annual Conference of the International Society for Environmental Epidemiology. *Virtual Conference*.
- Khoury J, Bowers K, Ghulam E, Szczesniak R, Dolan L, Deka R, Ehrlich S, Jackson CL, **McWhorter KL**. (May 2019) The Association Between Gestational Weight Gain Patterns in Early Pregnancy and Delivery of a Large-for-Gestational Age Infant Among Women with Type I Diabetes Mellitus. Presented by Jane C. Khoury. The 10<sup>th</sup> International Symposium on Diabetes, Hypertension, Metabolic Syndrome and Pregnancy. Florence, Italy.

#### NATIONAL

- **McWhorter KL**, Borie C, Sesay, N. (2023, April) Quality Improvement of a Short-Term Shoulder to Shoulder Global Study Abroad Experience Program in Santo Domingo, Ecuador. Consortium of Universities for Global Health (CUGH). Washington D.C.
- **McWhorter KL**, Haynes E. (2022, April) The Relationship between Secondhand Tobacco smoke and Sleep Health in Rural Appalachian Children. Programs to Increase Diversity among Individuals Engaged in Health-Related Research (PRIDE) – Cardiovascular Disease Comorbidities, Genetics and Epidemiology (CVG-CGE) Annual Meeting. *Virtual Conference*.
- **McWhorter K**, Okafor I, Stephens P, Bellew S, Bellew K. (2020, October) Challenging College Experiences and Sleep Difficulty Among Students at a Faith-Based University. American Public Health Association Annual Meeting. Caucus on Public Health and the Faith Community. *Virtual Conference*.
- **McWhorter KL**, Parks CL, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. (2018, June) Traumatic Childhood Experiences, Poor Sleep and Chronic Fatigue Syndrome among Adult Women. Presented by Chandra L. Jackson. 32<sup>nd</sup> Annual Meeting of the Associated Professional Sleep Societies, LLC. Baltimore, MD.

- **McWhorter KL**, Parks CL, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. (2018, June) Racial Differences in Traumatic Childhood Experiences and Suboptimal Sleep among Adult Women. Presented by Chandra L. Jackson. 32<sup>nd</sup> Annual Meeting of the Associated Professional Sleep Societies, LLC. Baltimore, MD.
- **McWhorter KL**, Bowers K, Dolan LM, Jackson CL, Deka R, Khoury JC. (2018 June) The Association Between Gestational Weight Patterns in Early Pregnancy and Large-for-Gestational Age Infants Among Women with Type I Diabetes. Presented by Katherine Bowers. Society for Epidemiological Research Annual Meeting. Baltimore, MD.
- Gaston, SA, **McWhorter KL**, Park YM, Sandler DP, Jackson CL. (2018, April) Poor Sleep and Metabolic Syndrome Risk among White, Black, and Hispanic/Latina Women in the United States. National Institute of Diabetes and Digestive and Kidney Disease–Network of Minority Research Investigators 16th Annual Workshop. Bethesda, MD.
- **McWhorter KL**, Parks CL, Gaston SA, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. (2018, April) Traumatic Childhood Experiences and Risk of Type 2 Diabetes Mellitus among White, Black and Hispanic/Latina Women: The Sister Study. National Institute of Diabetes and Digestive and Kidney Disease–Network of Minority Research Investigators 16th Annual Workshop. Bethesda, MD.
- Gaston AS, **McWhorter KL**, YM Park, Sandler DP, Jackson CL. (2018, March) Suboptimal Sleep and Metabolic Syndrome Risk among White, Black, and Hispanic/Latino Women in the United States. The American Heart Association Epidemiology and Prevention | Lifestyle and Cardiometabolic Health 2018 Scientific Sessions. New Orleans, LA.
- **McWhorter KL**, Bowers K, Dolan LM, Jackson CL, Deka R, Khoury JC. (2017, October) The Impact of Gestational Weight Gain on Overweight and Obesity among Adolescent and Young Adult Offspring of Women with Type I Insulin-Dependent Diabetes: A Pilot Study. Presented by Jane C. Khoury. The 15<sup>th</sup> Biennial Meeting of the Diabetes in Pregnancy Study Group of North America. Washington, DC.
- **McWhorter KL**, Bowers K, Dolan LM, Jackson CL, Deka R, Khoury JC. (2017, June) Impact of Excessive Gestational Weight Gain and Prepregnancy BMI on the Prevalence of Large-for-Gestational-Age Infants in Two Cohorts of Women With Type I Insulin-Dependent Diabetes. American Diabetes Association 77<sup>th</sup> Scientific Sessions. San Diego, CA.
- **McWhorter KL**. Bowers K, Dolan LM, Jackson CL, Deka R, Khoury JC. (2017, April) Impact of Excessive Gestational Weight Gain and Prepregnancy BMI on the Prevalence of Large-for-Gestational-Age Infants in Two Cohorts of Women With Type I Insulin-Dependent Diabetes. National Institute of Diabetes and Digestive and Kidney Disease–Network of Minority Research Investigators. Bethesda, MD.

#### LOCAL

- **McWhorter KL**, Abney J, Ellis AR. (2023, April) Creative *MediaVoice* Projects May Aid in Invoking Empathy among Undergraduate Students, Prompting More Action Taken on a Personal Level in Addressing the UN Sustainable Development Goals Post-Graduation. The University of Kentucky College of Public Health Showcase. Lexington, KY.

- **McWhorter KL**, Abney J, Pulley G. (2023, April) Virtual Immersion in a Higher Education Setting May Invoke Empathy and Compassion among Undergraduate Students from Diverse Academic Disciplines. The University of Kentucky College of Public Health Showcase. Lexington, KY.
- Gaston AS, **McWhorter KL**, Jackson CL. (2018, February) Mono-isobutyl Phthalate Concentrations may Moderate Associations between Birth Weight and Overweight as well as Obesity in U.S. Adolescents. EDC Conference. Research Triangle Park, NC.
- **McWhorter KL**, Parks CL, D'Aloisio AA, Rojo-Wissar DM, Sandler DP, Jackson CL. (2018, February) Racial Differences in Traumatic Childhood Experiences and Suboptimal Sleep among Adult Women. Do early life stressors contribute to epigenetic changes? Center for Human Health and the Environment 2nd Annual Symposium: Epigenetics, Environment, and Human Health. Raleigh, NC.
- YM Park, Jackson CL, White AJ, **McWhorter KL**, Weinberg CR, DP Sandler. (2017, November) Sleep characteristics and risk of incident metabolic abnormalities in women: findings from the Sister Study. NIEHS 15<sup>th</sup> Annual Science Days. Research Triangle Park, NC.
- Pinney SM., Windham GC., Herrick R., **McWhorter KL**, Xie C, Fassler CS, Hiatt RA, Stewart SL, Kushi LH, Biro FM. (2016, December) Investigating the Relationship between Perfluorooctanoate and Body Mass Index in Young Girls in the Greater Cincinnati and San Francisco Bay Area. NIEHS Environmental Health Science FEST. Durham, NC.
- Pinney S, **McWhorter KL**. (2014, November) Changes in estrogen and other hormones around the time of breast development. Biomedical Sciences Research Day and Graduate Fair, Breast Cancer Symposium. Cincinnati, OH.
- **McWhorter KL**, Gadang V, Jaeschke A. Role of Insulin in Hepatic Lipid Disorders. (2011, September) 2011 Physician Scientist Training Program End of Summer Poster Session. Cincinnati, OH.
- **McWhorter KL**, Li Q, Gudmundsdottir A. (2010, October) Role Synthesis of the PhotoRemovable Protecting Group:(E)-methyl 4-hydroxy-4-(4-methoxy-2,5-dimethylphenyl) but-2-enoate. Oesper Poster Session, University of Cincinnati. Cincinnati, OH.

## Reviewer

### Journal

Diabetes, Obesity, and Metabolism  
 Journal of Appalachian Health  
 BMJ Open  
 JBMC Maternal Health, Neonatology and Perinatology  
 Journal of Obstetrics and Gynecology  
 SLEEP  
 Journal of General Internal Medicine  
 Sleep Health  
 PLOS ONE  
 BMC Public Health  
 International Journal of Obesity

## Abstracts

2023 Consortium of Universities for Global Health (CUGH) 2023 Conference, Washington D.C., USA.  
2021 International Society for Environmental Epidemiology (ISEE) 2022 Conference. Athens, Greece.

## External

2022 CDC/NIOSH Science and Service Awards - Alice Hamilton Award for Epidemiology and Surveillance  
2022 APHA Proposed Policy Statements – Epidemiology Section Governing Council

## Academic Teaching

### **Courses Taught**

#### University of Kentucky

Introduction to Global Health – CPH776, graduate  
Global Public Health – CPH476G, 2 sections, undergraduate  
Insects Affecting Humans and Animals – ENT/BIO/CPH561, (under)graduate\*  
Interprofessional Collaboration and Team Skills (iCATS)\*- required core curriculum (2022, 2023)  
Interprofessional Teamwork in Global Health – PPS983\*- Shoulder-to-Shoulder Global Ecuador Experience  
*\*Courses collaboratively taught*

#### Asbury University (Online 8-week course and undergraduate unless otherwise indicated)

Engaging the Liberal Arts: What is the purpose of education? – LA100  
Trends and Policy in Health Care – HCA275  
Community and Environmental Health – HED282-*in-seat, 16 weeks*  
Community and Environmental Health – HED282  
Introduction to Public/Population Health – HCA250  
Faith and Health Care – HCA202  
Health Care Services – HED293  
Epidemiology I – HCA350  
Epidemiology II – HCA352  
Applied Statistics for Health Sciences – HCA300  
Global Health – HCA450  
Health, Aging & Society – HCA360

#### University of Cincinnati

Introduction to Epidemiology-Teaching Assistant – BE7076/PH7030

### **Courses Developed**

#### Asbury University

Trends and Policy in Health Care – HCA275  
Community and Environmental Health – HED282  
Introduction to Public/Population Health – HCA250  
Faith and Health Care – HCA202  
Health Care Services – HCA102  
Epidemiology I – HCA350  
Epidemiology II – HCA352

Applied Statistics for Health Sciences – HCA300  
 Global Health – HCA450  
 Health, Aging & Society – HCA360

**Courses In-Progress/Under revision**

University of Kentucky

Global Cancer Epidemiology – CPH310, (under)graduate: Spring 2024  
 Applied Epidemiology – CPH365, special topics, (under)graduate, *expected* Spring 2024  
 Study Abroad in Croatia Summer Program – CPH (course number unknown), *expected* Summer 2024

**Programs In-Progress**

University of Kentucky

Applied Epidemiology Badge  
 Global Health Virtual Learning Experience

**Guest Lecturer**

University of Kentucky

2022 Fundamentals of Environmental Health (CPH320), “Global Health and Climate Change”  
 2021/2022 Global Health Delivery (MDE803), “Universal Health Coverage”, College of Medicine

Asbury University

2021/20/19 Introduction to Scientific Research Seminar (CHE/BIO399)

University of Cincinnati

2014 Research Methods for Human Population Studies (BE/PH 8082)

**Academic Advising**

Asbury University

- 7 Public Health students
- 7 Health Promotion & Wellness students

**Dissertation/Capstone Committee**

<b>Dates Start / End</b>	<b>Name</b>	<b>Committee position</b>	<b>Research</b>	<b>Education Institution</b>	<b>Position</b>
2023-2024	Hilda Okeyo	Member	Heart failure and diabetes self-management (physical activity/sedentary behaviors) among Black/African Americans	University of Kentucky	DNP
2022-2023	Shane Reeves	Member	Characterize and better understand patients with Non-Ketotic Hyperglycinemia (also called Glycine Encephalopathy)	University of Kentucky	MD/MPH
2022-2023	Rebecca Day	Chair	Maternal depression and safe baby sleep practices in a low-resource community: <i>A Randomized Control Trial in Ecuador</i>	University of Kentucky	MPH



## Research Mentorship

<b>Dates Start / End</b>	<b>Name</b>	<b>Major</b>	<b>Research</b>	<b>Education Institution</b>	<b>Position</b>
2023	Savannah Bush	Public Health	Resettlement factors that contribute or hinder refugee self-sufficiency in the Greater Lexington Area <ul style="list-style-type: none"> <li>• CPH395 – Independent Research, Fall and Spring semesters, 2023-2024</li> </ul>	University of Kentucky	Senior
2022	Carolee Coleman	Human Health Science	The Relationship between Self-Reported Sleep Disruption and Heart Failure Outcomes in a Rural Adult Population. The REMOTE Study <ul style="list-style-type: none"> <li>• Poster Presentation: Showcase of Undergraduate Scholars 2022</li> </ul>	University of Kentucky	Junior
2020 – 2021	Sydney May	Biology	Family history of cardiovascular (CV) events and personal history of CV events. The Heart Health Study <ul style="list-style-type: none"> <li>• Poster/paper: Annual SEARCH Symposium 2021 – Student Showcase</li> </ul>	Asbury University	Senior
2020 – 2021	Sarah Wesson	Biology	Adherence to a healthy lifestyle and change in risk of CVD. The Heart Health Study <ul style="list-style-type: none"> <li>• Poster/paper: Annual SEARCH Symposium 2021 – Student Showcase</li> </ul>	Asbury University	Senior
2020 – 2021	Rachel Lopez	Biology	A prevention screening program in patients with type 2 diabetes (T2DM) in an underserved population <ul style="list-style-type: none"> <li>• Poster/paper: Annual SEARCH Symposium 2021 – Student Showcase</li> <li>• Refuge Clinic – oral presentation</li> </ul>	Asbury University	Senior
2019 – 2020	Ijeoma Okafor	Biology	Challenging Campus Experiences, Sleep Disturbance, and Mental Health Among College Students at a Faith-Based University <ul style="list-style-type: none"> <li>• Poster presentation: Annual SEARCH Symposium 2020</li> <li>• Accepted to MPH Program, Boston University, Fall 2020</li> </ul>	Asbury University	Senior
2020 – 2021	Nara Lee	College Prep High School	Factors Influencing Peak Athletic Performance	West Jessamine High School	Senior
2018, summer	Kacey Fang	Cognitive Sciences	Poor Sleep Characteristics and T2DM Risk: Does the Relationship Vary by Race/Ethnicity among Women in the Sister Study? <ul style="list-style-type: none"> <li>• “Big Picture, Small Talk” – 1 of 3 summer student presentation winners</li> <li>• 2<sup>nd</sup> Place (tie) for best undergraduate poster</li> </ul>	Yale University	NIEHS Summer Internship Program student

## Adjunct Faculty Management & Administration

- Three (3) adjunct faculty in the Public Health and Health Promotion & Wellness Bachelor of Science Programs – Asbury University

## Media

- 2023 Celebration of National Public Health Week: “Why NPHW is special and why this year’s theme, “Centering and Celebrating Culture in Health” is important?, College of Public Health account <https://www.instagram.com/reel/CqsTRa3gZBW/?igshid=MTc4MmM1YmI2Ng%3D%3D>
- 2023 Celebration of National Public Health Week: “Why is NPHW special to me?” College of Public Health account <https://www.instagram.com/reel/CqsUPORA4Qy/?igshid=MTc4MmM1YmI2Ng%3D%3D>
- 2023 Celebration of National Public Health Week: *MOVE YOUR BODY!*”, College of Public Health account [https://www.instagram.com/reel/CqrL\\_cyAoDx/?igshid=MTc4MmM1YmI2Ng%3D%3D](https://www.instagram.com/reel/CqrL_cyAoDx/?igshid=MTc4MmM1YmI2Ng%3D%3D)
- 2023 Daily series of UK faculty highlighted for Black History Month, University of Kentucky. [https://twitter.com/universityofky/status/1624463045916237825?s=46&t=Lw\\_c4R1TqNa4NDwIvpTRYQ](https://twitter.com/universityofky/status/1624463045916237825?s=46&t=Lw_c4R1TqNa4NDwIvpTRYQ)
- 2022 Colville, Grace. “Shoulder to Shoulder Health Brigade Brings Education to Communities in Ecuador: College of Public Health.” *College of Public Health | University of Kentucky*. <https://cph.uky.edu/news/shoulder-shoulder-health-brigade-brings-education-communities-ecuador>. [Shoulder to Shoulder Global celebrates 15 years of making a difference | UKNow \(uky.edu\)](https://www.uky.edu/news/shoulder-shoulder-global-celebrates-15-years-of-making-a-difference)
- 2022 Welcome to Global Health!, Global Health Graduate Certificate Director, University of Kentucky <https://youtu.be/mQrvKGDeZkE>
- 2020 COVID-19 Update Panel member, Asbury University <https://www.instagram.com/tv/CB5085HlrIM/?igshid=11g19by9jwsug>

## University Service

### University of Kentucky

- 2023 UK-Endorsed Disaster Relief/Recover Trip to Puerto Rico, 7 students, Lead Faculty
- 2023-2025 Health Care Colleges Council (HCCC), College of Public Health alternate representative
- 2023 UK Experiential Learning Network, member
- 2023 Executive Director of Education Abroad Search Committee, member
- 2023 Gates Cambridge Scholarship, Mock Interviewer for 2 UK Finalists
- 2022-date Practice & Community Engagement Committee, Chair
- 2022-date Shoulder to Shoulder Global Executive Committee
- 2022-date Undergraduate Research Experience In Environmental Health Sciences Program (SURES) Internal Advisory Committee Member, Weekly Speaker
- 2021-date Shoulder to Shoulder Global Medical Brigade, Santa Domingo, Ecuador, Public Health Faculty Lead
- 2021-date International Advisory Council, Public Health Faculty Representative
- 2021-date Global Health Advisory Council, Public Health Faculty Representative
- 2021-2022 Undergraduate Committee, Preventive Medicine and Environmental Health Faculty Member

### Asbury University

- 2020-2021 COVID-19 Prepared for the Residential Education Program (PREP)
- 2020-2021 COVID-19 Executive PREP team
- 2020 COVID-19 Intercultural New Student Orientation Team



## **Academic Service**

### University of Kentucky

- 2023 Search Committee Member: Executive Director of Education Abroad and Exchanges
- 2023 Chaperone: DEAL (Discover, Experience, Apply, and Learn) Day, Kentucky Department for Public Health and the University of Kentucky College of Public Health
- 2023 Judge: Global Health Case Competition, UK International Center
- 2022 Room Facilitator: Global Health Case Competition, UK International Center

### Asbury University

- 2021 Emcee: What is the COVID-19 Vaccine? Panel Discussion, Sigma Zeta Club
  
- 2019 Invited Panelist: “Sleep and Nutrition. Achieving Wholeness in a Busy World”  
Invited Panelist: “Health, Wellness & Promotion”, Servant Leadership Panel Discussion

### National Institute of Environmental Health Sciences

- 2018 Trainee: Research Mentor 4-Week Training Class  
Summer Journal Club Leader: National Institutes of Health Summer Internship Program, 21 Students  
Contributing Author: The Environmental Factor

### University of Cincinnati

- 2017 Presenter: Molecular Epidemiology in Children’s Environmental Health, Biennial External Advisory Board Meeting
- 2016/15/14  
Session speaker: McNair’s Scholars Symposium
  
- 2014 Workshop Participant: GATE: Get Up and Go! Your First TA Assignment – Tools to create an optimum learning environment
  
- 2013 Biostatistics Journal Club Leader: Initiated, organized, and led the first Biostatistics Journal, Dept of Environmental Health, Club in the Division of Biostatistics and Epidemiology  
Faculty Leader: Mario Medvedovic, Ph.D.
  
- 2013/11  
Panelist and Facilitator: Women in Science and Engineering (WISE) Graduate Panel
  
- 2013 Session speaker: STARS Scholars Program

## **Community Service**

### University of Kentucky

- 2023 Instructor: National Public Health Week: *Move Your Body!*
- 2022 Panelist: Healthcare Professional Panel w/ Hues in Medicine (A BIPOC Panel Discussion)
- 2021 Speaker: Integrating Faith Into Your Fitness Journey, University of Kentucky Women’s Forum

### Word Made Flesh International

- 2021 Advisory Council Member

Asbury University

2021 Speaker: Faith & Fitness: “What Role Does God Play in My Fitness Journey?”

2020 Panelist: 3<sup>rd</sup> Annual Embrace Conference, Hospitality and Racial Reconciliation

Speaker: Biblical Gender Equity Club Meeting, “Biblical Gender Equity and Racial Reconciliation”

2019-April, August

Speaker: “My Personal Journey”, Faculty Stories Breakout Sessions

Speaker: “The Costs and Benefits of Being Among the ‘Fearsome Few’ or the ‘Only One’”,

Intercultural Affairs Leadership Encourage Retreat

Lexington, KY

2019-present

Trainer: American Council on Exercise (ACE)-Certified Personal Trainer

NIEHS

2018 Session speaker: Duke Talent Identification Program (TIP), 16 students

Mentor: Community College Summer Enrichment Program (CCSEP) and Summer Opportunities to Advance Research (SOAR) (3 students)

2017 Mentor: Bennett College Speed Mentoring (20 students)

Alpha Kappa Alpha Sorority Inc. (non-member)

2016/15

Session speaker: Fitness and Exercise (8-week ASCEND series, Achievement, Self-Awareness, Communication, Engagement, Networking and Developmental Skills Program

Cincinnati, OH

2015 Session Facilitator: Alpha Kappa Alpha Sorority, Inc., Know Your Body! 2- Day Kids Fitness

Speaker: Women in Science and Engineering (WISE), EPA, One-Day Symposium

Bootcamp Instructor: “Let’s Move Cincinnati” Bootcamp, New Jerusalem Community Center, ~50 participants