

Ketrell L. McWhorter, Ph.D., M.B.A., ACE-CPT, ACE-FNS

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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 *inequalities* in health and the urgent need to eradicate them.

E.xperiential: I teach in a very *experiential* 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 *novel* solutions to existing problems we face in the scientific community.

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

E.ngagement: I probe beyond yes/no answers and facilitate *engagement* 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	Intramural Research Training Award Fellow	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

Certifications

2019	Fitness Nutrition Specialist American Council on Exercise (ACE) Certification National Collegiate Athletic Association Accredited (NCAA) Program
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2019-2021 **Personal Fitness Trainer**
American Council on Exercise (ACE) Certification
National Collegiate Athletic Association Accredited (NCAA) Program

Academic Appointments

2021-date **Assistant Professor of Epidemiology** (tenure-track), Department of Epidemiology, College of Public Health, University of Kentucky, Lexington, KY

2021-date **Director of Global Health Graduate Certificate**, 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

2018-date **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 (Pb²⁺) 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

Academic Merit-Based Awards/Recognition

- 2021 **PR**ograms to **I**ncrease **D**iversity among **I**ndividuals **E**ngaged 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 Travel Grant - Award providing \$600 (travel) expenses for participating in the 32nd Annual International Society for Environmental Epidemiology 2020 Virtual Conference
- 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

2020-date	Lilly Fellows Program in the Humanities and the Arts	University Representative
2019-date	American Public Health Association (APHA) <i>Epidemiology Section</i>	Secretary
	<i>Early-Career Professionals Committee</i>	Member
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 (SER)	Member
2017-date	Genomics & Health Disparities Interest Group <i>National Institute of Health</i>	Member

Journal Reviewer

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

Fellowship Awards

Funding period	1/2014 – 1/2017
Project title	The Association Between Gestational Weight Gain and Weight Gain Patterns with Large-for-Gestational Age Outcomes Among Women with Type I Insulin-Dependent Diabetes
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 (Pb²⁺) 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 Lauran 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

- 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. (June 2020).** 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.

Invited Oral Presentations

- 2021 Invited Speaker, Teaching Pedagogy: Teaching Scientists *S.C.I.E.N.C.E.!* University of Kentucky College of Public Health, Lexington, KY. April 5, 2021.

- 2020 Invited Speaker, 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
- 2020 Invited Speaker, Wellness Matters Seminar. Nutrition Literacy and Health Eating. Asbury University, Wilmore, KY. March 5, 2020
- 2019 Invited Speaker, 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.
- 2014 Invited Speaker, Public Health in 2014: Outbreak Investigation Simulation. Xavier University, Department of Health Services Administration, Cincinnati, OH. September 24, 2014

Scientific Oral Presentations

- 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. 33rd 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. 33rd 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. 32nd 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 15th Annual Science Days. Research Triangle Park, NC. November 2, 2017.

Peer-Reviewed Publications

Original Reports

- 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

- **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. 32nd 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 10th International Symposium on Diabetes, Hypertension, Metabolic Syndrome and Pregnancy. Florence, Italy.

NATIONAL

- **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. 32nd 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. 32nd 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 15th 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 77th 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

- 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 15th 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.

Academic Teaching

Online 8-week course (unless otherwise indicated)

Courses Taught (Asbury University unless otherwise indicated)

Senior Independent Research BIO400X

Engaging the Liberal Arts: What is the purpose of education? LA 100

Trends and Policy in Health Care-HCA275 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

Introduction to Epidemiology-Teaching Assistant (BE7076/PH7030)

University of Cincinnati

Courses Developed (Asbury University unless otherwise indicated)

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

Guest Lecturer

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

Asbury University

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

Academic Advising

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

Research Mentorship

Asbury University students

Dates Start / End	Name	Major	Research	Education Institution	Position
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"> • Poster/paper: Annual SEARCH Symposium 2021 – Student Showcase 	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"> • Poster/paper: Annual SEARCH Symposium 2021 – Student Showcase 	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"> • Poster/paper: Annual SEARCH Symposium 2021 – Student Showcase • Refuge Clinic – oral presentation 	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"> • Poster presentation: Annual SEARCH Symposium 2020 • Accepted to MPH Program, Boston University, Fall 2020 	Asbury University	Senior

Non-Asbury University students

Dates Start / End	Name	Major	Research	Education Institution	Position
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"> • “Big Picture, Small Talk” – 1 of 3 summer student presentation winners • 2nd Place (tie) for best undergraduate poster 	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

Media

2020 COVID-19 Update Panel member
<https://www.instagram.com/tv/CB5085HlrIM/?igshid=11g19by9jwsug> Asbury University, Wilmore, KY

Academic Community Activities

2021 Public Health Faculty Representative
Shoulder to Shoulder Medical Brigade, Santa Domingo, Ecuador University of Kentucky,
Lexington, KY

2021 Emcee
What is the COVID-19 Vaccine? Panel Discussion,
Sigma Zeta Club Asbury University, Wilmore, KY

2020-present
Member,
COVID-19 Prepared for the Residential Education Program (PREP)
• Executive PREP team Asbury University, Wilmore, KY

2020 Member,
COVID-19 Prepared for the Residential Education Program (PREP)
• Response Team
• Intercultural New Student Orientation Team Asbury University, Wilmore, KY

2019 Invited Panelist
Sleep and Nutrition. Achieving Wholeness in a Busy World Asbury University, Wilmore, KY

Invited Panelist, “Health, Wellness & Promotion”
Servant Leadership Panel Discussion Asbury University, Wilmore, KY

2018 Research Mentor 4-Week Training Class
Trainee NIEHS, Research Triangle Park, NC

Summer Journal Club Leader
National Institutes of Health Summer Internship Program
21 Students NIEHS, Research Triangle Park, NC

Contributing Author
The Environmental Factor NIEHS, Research Triangle Park, NC

2017 Presenter
Molecular Epidemiology in Children’s Environmental Health
Biennial External Advisory Board Meeting University of Cincinnati,
Cincinnati, OH

2014 Workshop Participant
GATE: Get Up and Go! Your First TA Assignment –
Tools to create an optimum learning environment University of Cincinnati
Cincinnati, OH

2013 Biostatistics Journal Club Leader
 Initiated, organized and led the first Biostatistics Journal Club in the Division of Biostatistics and Epidemiology
 Faculty Leader: Mario Medvedovic, Ph.D. University of Cincinnati, Department of Environmental Health, Cincinnati, OH

Community Activities

2021 Word Made Flesh International Advisory Council, Wilmore, KY

2021 Speaker, Faith & Fitness: What Role Does God Play in My Fitness Journey? Asbury University, Wilmore, KY

2020 Panelist, 3rd Annual Embrace Conference Hospitality and Racial Reconciliation Asbury University, Wilmore, KY

Speaker, Biblical Gender Equity Club Meeting “Biblical Gender Equity and Racial Reconciliation” Asbury University, Wilmore, KY

2019 Speaker, “My Personal Journey” Faculty Stories Breakout Sessions Asbury University, Wilmore, KY

Speaker, “The Costs and Benefits of Being Among the ‘Fearsome Few’ or the ‘Only One’” Intercultural Affairs Leadership Encourage Retreat April, August Asbury University, Wilmore, KY

2019-present American Council on Exercise (ACE)-Certified Personal Trainer, Luce Physical Activities Center Personal trainer, Wilmore, KY

2018 Duke Talent Identification Program (TIP) 16 students Session speaker, NIEHS, Research Triangle Park, NC

Community College Summer Enrichment Program (CCSEP) and Summer Opportunities to Advance Research (SOAR) (3 students) Mentor, NIEHS Research Triangle Park, NC

2017 Bennett College Speed Mentoring (20 students) Mentor, NIEHS Research Triangle Park, NC

2016/15 Alpha Kappa Alpha Sorority, Inc. (Phi Psi Omega Chapter) Fitness and Exercise (8-week series) Achievement, Self-Awareness, Communication, Engagement, Networking and Developmental Skills Program Session speaker, Xavier University, Cincinnati, OH

2016/15/14 McNair’s Scholars Symposium Session speaker, University of

		Cincinnati, Cincinnati, OH
2015	Black Family Reunion, Alpha Kappa Alpha Sorority, Inc. <i>Know Your Body!</i> – 2- Day Kids Fitness Presentation	Session Facilitator, Cincinnati, OH
	Let's Move Cincinnati Bootcamp	Bootcamp workout instructor for ~50 participants, New Jerusalem Community Center, Cincinnati, OH
2013	STARS Scholars Program	Session speaker, University of Cincinnati, Cincinnati, OH
	Environmental Protection Agency (EPA) One-Day	Speaker for Women in Symposium Science and Engineering (WISE), Cincinnati, OH
2013/11	Women in Science and Engineering (WISE) Graduate Panel	Panelist and Facilitator, University of Cincinnati, Cincinnati, OH
2011	Rockdale Academy Elementary School Career Day	Speaker, Cincinnati, OH
2010	Bridging The Gap Panel Discussion	Panel member, Community Action Agency, Cincinnati, OH
	Aiken College and Career Conference	Speaker, Aiken High School, Cincinnati, OH
	University of Cincinnati Hospital Emergency Department	Volunteer, University of Cincinnati Hospital, Cincinnati, OH