

CURRICULUM VITAE  
**ROBERT BALTASAR HOOD, PhD MPH BS**

Emory University  
Rollins School of Public Health  
Department of Epidemiology  
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**EDUCATION**

PhD	2020	The Ohio State University, College of Public Health, Division of Epidemiology, Columbus, OH Graduate Interdisciplinary Specialization: <i>Biomedical Clinical and Translation Science</i> Dissertation: <i>Hepatitis C virus and maternal and child health in the United States</i> GPA: 3.940 / 4.000
MPH	2015	The University of Georgia, College of Public Health, Department of Epidemiology & Biostatistics, Athens, GA Thesis: <i>An Ecological analysis of US counties; Particular matter concentration and lung &amp; bronchial cancer incidence</i> GPA: 4.000 / 4.000
BS	2014	Baldwin Wallace University, Department of Biology & Department of Public Health, Berea, OH GPA: 3.636 / 4.000

**PROFESSIONAL EXPERIENCE**

Jan 2022-Present	Postdoctoral Trainee Fellow, Emory University, Rollins School of Public Health, Department of Epidemiology, Atlanta, GA
Sept 2020-Dec 2021	Postdoctoral Research Fellow, Emory University, Rollins School of Public Health, Department of Epidemiology, Atlanta, GA
Jul 2020	Regional Coordinator, ODH/OSU Coronavirus Study, Ohio Department of Health & The Ohio State University College of Public Health, Columbus, OH
Jan 2020-Aug 2020	Graduate Research Associate, Lancaster K-Group, The Ohio State University, College of Public Health, Columbus, OH
Jan 2019-Aug 2020	Graduate Research Associate, Ohio Policy Evaluation Network, The Ohio State University, College of Public Health, Columbus, OH
Dec 2017-Jul 2018	Graduate Associate, Opioid Innovation Fund, The Ohio State University, College of Public Health, Columbus, OH
Aug 2017-Jul 2018	Graduate Research Associate, Ohio Policy Evaluation Network, The Ohio State University, College of Public Health, Columbus, OH
Jun 2017-Aug 2017	Graduate Research Associate, Center for Excellence in Regulatory Tobacco Science, The Ohio State University, Columbus, OH

Aug 2015-Jul 2016	Graduate Research Assistant, Workplace Health Group, The University of Georgia, College of Public Health
May 2015-Jul 2015	Student Intern, Regional Trauma Advisory Committee for Trauma Region 10, Athens Regional Medical Center, Athens, GA
Jan 2015-Dec 2015	Trainee, Cancer Working Group, The University of Georgia, College of Public Health, Athens, GA
Aug 2014-Jul 2015	Graduate Assistant, Student Affairs, The University of Georgia, College of Public Health, Athens, GA
Nov 2013-Jul 2014	Student Intern, Baldwin Wallace University, Department of Public Health, Berea, OH
Dec 2012	Student Research Assistant, Rural Community Health Assessment for Lubec, Maine, Baldwin Wallace University, Department of Public Health, Berea, OH

## **HONORS & AWARDS**

2017-Present	Delta Omega Public Health Honor Society βχ Chapter
2018-2019	OSU College of Public Health Fellowship
2016-2017	OSU Graduate School Fellowship
2015	UGA 15 from Fall 2015
2014	Cum Laude, Baldwin Wallace University
2010-2014	Baldwin Wallace University Trustee Fellowship

## **PUBLICATIONS**

### ***Published***

- Hyder A, Smith M, Sealy-Jefferson S, **Hood RB**, Chettri S, Dundon A, Underwood A, Bessett D, Norris AH. Community Based Systems Dynamics for Reproductive Health: An Example from Urban Ohio, USA. *Progress in Community Health Partnerships: Research, Education, and Action*. 2022.
- Hood RB**, Liang D, Tang Z, Kloog I, Schwartz J, Laden F, Jones D, Gaskins AJ. Length of PM<sub>2.5</sub> Exposure and Alterations in the serum metabolome among women undergoing infertility treatment. *Environmental Epidemiology*. 2022;6(1):e191.
- Hood RB**, Liang D, Chiu YH, Sandoval-Insausti H, Chavarro JE, Jones D, Hauser R, Gaskins AJ. Pesticide residue intake from fruits and vegetables and alterations in the serum metabolome of women undergoing infertility treatment. *Environment International*. 2022;160:107061.
- Kadir M, **Hood RB**, Minguez-Alarcon L, Maldonado-Carceles AB, Ford JB, Souter I, Chavarro JE, Gaskins AJ. Folate intake and ovarian reserve among women attending a fertility center. *Fertility & Sterility*. 2022;117(1):171-180.

5. Smith M, Turner AN, Chakraborty P, **Hood RB**, Bessett D, Gallo MF, Norris AH. Opinions about abortion among reproductive-age women in Ohio. *Sexuality Research & Social Policy*. 2021;1-13.
6. Gaskins AJ, Tang Z, **Hood RB**, Ford J, Schwartz JD, Jones DP, Laden F, Liang D. Periconception air pollution, metabolomic biomarkers, and fertility among women undergoing assisted reproduction. *Environment International*. 2021;15:106666.
7. **Hood RB**, James P, Fong KC, Minguez-Alarcon L, Coull BA, Schwartz J, Kloog I, Laden F, Gaskins AJ. The influence of fine particulate matter on the association between residential greenness and ovarian reserve. *Environmental Research*. 2021;197:111162.
8. **Hood RB**, Cash RE, Chrzan K, Mercer C, Rivard MK, Panchal AR. Cancer among emergency medical services professionals: a cross-sectional evaluation of self-reported cancer. *Journal of Emergency Medical Services*. 2012;43(6).
9. Chakraborty P, Gallo MF, Nawaz S, Smith M, **Hood RB**, Chettri S, Bessett D, Norris AH, Casterline J, Turner AN. Use of nonpreferred contraceptive methods among women in Ohio. *Contraception*. 2012;103(5):328-335.
10. **Hood RB**, Norris AH, Huber-Krum S, Garver S, Chapotera G, Turner AN. Food insecurity and adverse pregnancy outcomes among rural Malawian women *International Journal of Gynecology and Obstetrics*. 2022;156(2):309-315.
11. Norris AH, Chakraborty P, Lang K, **Hood RB**, Hayford S, Keder L, Bessett D, Smith MH, Hill J, Broscoe M, Norwood C, McGowan ML. Abortion access in Ohio's changing legislative context, 2010-2018. *American Journal of Public Health*. 2020;110(80):1228-1234.
12. **Hood RB**, Turner AN, Huber-Krum S, Lancaster KE, Mwapasa V, Pindexter T, Nampanjeni P, Esber A, Norris AH. For human papillomavirus self-sampling, stated willingness does not correspond with subsequent uptake by rural Malawian women. *Sexually Transmitted Diseases*. 2020;47(4):275-279.
13. Chakraborty P, Norris AH, Huber-Krum S, Garver S, **Hood RB**, Banda V, Esber A, Reese PC, Krysiak R, Turner AN. An assessment of risk factors for HSV-2 infection in Malawian women using two classifications for the HerpeSelect 2 test. *Sexually Transmitted Diseases*. 2020;47(3):192-196.
14. **Hood RB**, Smith E, Early RB, Weber Z, Ross SB, Rosemurgy AS, Harris RE. Rates of benign heart tumors diagnosed in Florida hospitals: 1988-2012. *Florida Public Health Review*. 2019;16(1):147-151.
15. **Hood RB**, Early RB, Weber Z, Schwartzbaum JA, Ross SB, Rosemurgy AS, Harris RE. Epidemiology of Creutzfeldt-Jakob in Floridian Men and Women: 1988-2012. *American Journal of Biomedical Science and Research*. 2019;6(4):312-315.

#### **Accepted**

16. Li Z, Sarnat JA, Liu K, **Hood RB**, Chang C, Hu X, Tran V, Greenwald R, Chang H, Russell A, Yu T, Jones D, Liang D. Evaluation of the Use of Saliva Metabolome as a Surrogate of Blood Metabolome in Assessing Internal Exposures to Traffic-Related Air Pollution. *Environmental Science & Technology*.

## **CONFERENCE PRESENTATIONS**

### ***Oral Presentation***

1. **Hood RB**, Liang D, Chavarro JE, Chiu YH, Gaskins AJ. Pesticide residue in fruits and vegetables and alterations in serum metabolome among women undergoing assisted reproduction. Metabolomics Association of North America (MANA), Virtual, October 2021.
2. **Hood RB**, Chavarro J Hart JE, Rosner B, Laden F, Gaskins AJ. Exposure to particulate matter air pollution and age of menarche in a nationwide cohort of US girls. International Society for Environmental Epidemiology (ISEE), New York, NY, August 2021.

### ***Poster Presentation***

1. **Hood RB**, Liang D, Ford J, Souter I, Jones D, Hauser R, Gaskins AJ. Characterizing the follicular fluid metabolome: quantifying the correlation across follicles and with the serum metabolome. Metabolomics Association of North America (MANA), Virtual, October 2021.
2. **Hood RB**, Liang D, Tang Z, Kloog I, Schwartz J, Laden F, Jones D, Gaskins AJ. Duration of PM<sub>2.5</sub> exposure and alterations in the serum metabolome. International Society for Environmental Epidemiology (ISEE), New York, NY, August 2021.
3. Gaskins AJ, **Hood RB**, Minguéz-Alarcon L, Ford J, Souter I, Laden F, Hart JE. Personal exposure to particulate matter air pollution and outcomes of ovarian stimulation: a pilot study in Massachusetts, US. International Society for Environmental Epidemiology (ISEE), New York, NY, August 2021.
4. Kadir M, **Hood RB**, Minguéz-Alarcon L, Maldonado AB, Ford JB, Souter I, Chavarro JE, Gaskins AJ. Folate intake and ovarian reserve among women attending a fertility center. Society for Pediatric & Perinatal Epidemiologic Research (SPER). Virtual, June 2021.
5. Chakraborty P, Chettri S, Gallo MF, Smith M, **Hood RB**, Casterline J, Turner AN. Correlates of never-use of long-acting reversible contraception among adult, reproductive-aged women who have used contraception in Ohio. Society for Family Planning (SFP), Baltimore, DM. October 2020.
6. Chakraborty P, Gallo MF, Smith M, **Hood RB**, Nawaz A, Norris AH, Casterline J, Turner AN. Reasons for non-use of preferred contraceptive method among contracepting women in Ohio. Society for Family Planning (SFP), Baltimore, DM. October 2020.
7. **Hood RB**, Cash RE, Chrzan Km Mercer C, Rivard MK, Panchal AR. Cancer among Emergency medical services professionals: Cross-sectional evaluation of self-reported cancer. National Association of EMS Physicians (NAEMSP), Sand Diego, CA. January 2020.
8. Norris AH, Chakraborty P, Lang K, **Hood RB**, Hayford S, Keder L, Bessett D, Norwood C, McGowan M. Abortion access in Ohio's changing legislative context. Society of Family Planning (SFP), Los Angeles, CA. October 2019.
9. **Hood RB**, Felix A. Neighborhood disadvantage is associated with liver cancer treatment and survival. American Association for Cancer Research; The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved. San Francisco, CA. September 2019.
10. Chakraborty P, Norris AH, Huber-Krum S, Garver S, **Hood RB**, Banda V, Turner AN. An assessment of Risk factors for HSV-2 Infection in Malawian Women using Tow Classifications of the HerpeSelect 2

Test. International Society for Sexually Transmitted Diseases Research (ISSTD), Vancouver, Canada. July 2019.

11. **Hood RB**, Turner HA, Huber S, Lancaster KE, Mwapasa V, Pindexter T, Nampaneni P, Esber A, Norris AH. Acceptability and Uptake of self-collected vaginal samples for HPV testing in rural Malawi. International Union Against Sexually Transmitted Infections (IUSTI), Dublin, Ireland. June 2018.
12. **Hood RB**, Early RB, Weber Z, Schwartzbaum J, Ross S, Rosemurgy A, Harris R. Diverging rates of Creutzfeldt-Jakob Disease in Floridian men and women: 1988-2012. Ohio Public Health Association (OPHA), Columbus, OH. May 2018.
13. **Hood RB**, Stenc T, Vidika A, Nath S, Nath L, Banik S, Romeo J, Cook T. Self-reported health status and barriers to self-management of chronic diseases among an underserved community in rural Maine: Preliminary findings. American Public Health Association (APHA), Boston, MA, November 2013.

## **TEACHING ACTIVITIES**

### ***Graduate Level Teaching***

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|-------------------|--|
| Aug 2015-Dec 2015 | <b>Tutor</b> , Principles of Biostatistics II, The University of Georgia, College of Public Health, Instructor: Dr. Ye Shen          |
| Aug 2015-Dec 2015 | <b>Tutor</b> , Principles of Epidemiology II, The University of Georgia, College of Public Health, Instructor: Dr. Sarah Wagner-Robb |

### ***Undergraduate Level Teaching***

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|-------------------|---|
| Aug 2019-Dec 2019 | <b>Primary Instructor</b> , Honors Case Study in Public Health, The Ohio State University, College of Public Health                                 |
| Jan 2019-May 2019 | <b>Teaching Assistant</b> , Introduction to Global Health, The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston |
| Jan 2018-May 2017 | <b>Teaching Assistant</b> , Introduction to Global Health, The Ohio State University, College of Public Health, Instructor: Dr. Amy Ferketich       |
| Jan 2016-May 2016 | <b>Primary Instructor</b> , Advanced Data Management, Baldwin Wallace University, Department of Public Health                                       |
| Jan 2016-May 2016 | <b>Primary Instructor</b> , Introduction to Public Health, Baldwin Wallace University, Department of Public Health                                  |
| Jan 2015-May 2015 | <b>Teaching Assistant</b> , Introduction to Public Health, The University of Georgia, College of Public Health, Instructor: Dr. Nina Cleveland      |
| Aug 2014-Dec 2014 | <b>Teaching Assistant</b> , Introduction to Public Health, The University of Georgia, College of Public Health, Instructor: Dr. Nina Cleveland      |
| Aug 2012-Dec 2012 | <b>Tutor</b> , Principles of Biology I, Baldwin Wallace University, Department of Biology, Instructor: Dr. Jacqueline Morris                        |
| Jan 2011-May 2011 | <b>Lab Assistant</b> , Principles of Biology I, Baldwin Wallace University, Department of Biology, Instructor: Dr. Jacqueline Morris                |

## **Guest Lectures**

- Nov 2018 Presented "**Environmental Health**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Nov 2018 Presented "**Environmental Polices; Class Activity & Discussion**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Nov 2018 Presented "**Maternal Morbidity & Mortality**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Nov 2018 Presented "**Global Climate Change**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Nov 2018 Presented "**Overlooked Public Health Problems**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Sept 2018 Presented "**Sustainable Development Goals**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Sept 2018 Presented "**Communicable Disease**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Sept 2018 Presented "**Noncommunicable Disease**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Sept 2018 Presented "**Health Status Indicators**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Mar 2018 Presented "**Maternal Morbidity & Mortality**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Mar 2018 Presented "**Global Climate Change**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Mar 2018 Presented "**Overlooked Public Health Problems**" to Public Health undergraduate course PBHLTH 2010 "Introduction to Global Health", The Ohio State University, College of Public Health, Instructor: Dr. Susan Olivo-Marston
- Oct 2015 Presented "**Graniteville South Carolina accident: Modeling environmental disasters**" to Public Health graduate course DMAN 7400 "Public Health Crises and Disaster Management", The University of Georgia, College of Public Health, Instructor: Dr. Nina Cleveland

## MENTORSHIP

### ***Undergraduate***

Singh S. Research Thesis: *Do firefighters and police officers in the state of Ohio have a higher incidence of certain cancer types compared to the general population?* Adviser: Olivo-Marston S. Committee Members: Adetona O, **Hood RB**. The Ohio State University, College of Public Health. April 2021.

## RESEARCH SUPPORT

### ***Ongoing Research Support***

T32ES012870 Marsit (PI) 07/2004-06/2022  
Graduate and Postdoctoral Training in Environmental Health Science and Toxicology  
The primary goal of the T32 training program is to provide training for the next generation of leaders in the field of environmental health sciences through training in multi- and transdisciplinary research.  
Role: Postdoctoral Trainee Fellow  
Source: National Institute of Environmental Health Sciences (NIEHS)

### ***Completed Research Support***

R00ES026648 Gaskins (PI) 02/2019-04/2022  
Maternal Exposure to Air Pollution and Early Pregnancy Outcomes  
The overall goal of the Maternal Exposure to Air Pollution and Early Pregnancy Outcomes study is to advance the science around air pollution during early pregnancy, and the complex metabolic pathways underlying this exposure and ultimately impact pregnancy outcomes.  
Role: Postdoctoral Research Fellow  
Source: National Institute of Environment Health Sciences (NIEHS)

CCTS Summer Scholarship Hood/Felix (PIs) 05/2019-08/2019  
Neighborhood Deprivation Index and Health Disparities in Liver Cancer  
Liver cancer is a growing concern in the United States. The effects of neighborhood deprivation have not been explored with relations to cancer and more specifically liver cancer. This study explored the effects of neighborhood deprivation in liver cancer characteristics, treatment course, and mortality. The study enhanced my skills and knowledge of methods and cancer research.  
Role: Co-PI  
Source: OSU Center for Clinical & Translational Science

## OTHER ACADEMIC EXPERIENCES

Sept 2020-Present	<b>Mentor</b> , Emory Undergraduate Journal Club, Emory University, Atlanta, GA
July 2020-Present	<b>Young Alumni Chair/Board Member</b> , College of Public Health Alumni Society, The Ohio State University, College of Public Health, Columbus, OH
May 2017-Dec 2020	<b>Committee Member</b> , Case Study Competition Committee, The Ohio State University, College of Public Health, Columbus, OH
Oct 2019-Jun 2020	<b>Committee Member</b> , College of Public Health Search Committee, The Ohio State University, College of Public Health, Columbus, OH
Oct 2019-Jun 2020	<b>Committee Member</b> , College of Public Health Policy & Advocacy Committee, The Ohio State University, College of Public Health, Columbus, OH

Aug 2019-June 2020	<b>Student Representative</b> , College of Public Health Alumni Society, The Ohio State University, College of Public Health, Columbus, OH
Apr 2019-May 2020	<b>President</b> , Public Health Graduate Student Association, The Ohio State University, College of Public Health, Columbus, OH
Feb 2017-May 2020	<b>Coach</b> , National Public Health Scholar Bowl Team, The Ohio State University, College of Public Health, Columbus, OH
Jul 2018-Jun 2019	<b>Committee Member</b> , Harm Reduction Training Committee, The Ohio State University, College of Public Health, Columbus, OH
Jul 2018-Jun 2019	<b>Committee Member</b> , Harm Reduction Conference Planning Committee, The Ohio State University, College of Public Health, Columbus, OH
May 2018-Mar 2019	<b>Vice-President</b> , Public Health Graduate Student Association, The Ohio State University, College of Public Health, Columbus, OH
Mar 2015-Apr 2016	<b>Coach</b> , National Public Health Scholar Bowl Team, Baldwin Wallace University, Department of Public Health, Berea, OH
Dec 2014-Dec 2015	<b>President</b> , Graduate Public Health Association, The University of Georgia, College of Public Health, Athens, GA
Aug 2014-Nov 2014	<b>General Member</b> , Graduate Public Health Association, The University of Georgia, College of Public Health, Athens, GA

## **PROFESSIONAL MEMBERSHIP & OTHER EXPERIENCE**

### ***Professional Societies & Working Groups***

2022-Present	International Society for Environmental Epidemiologists (ISEE)
2021-Present	Metabolomics Association of North America (MANA)
2018-2020	Ohio Public Health Association (OPHA)
2018-2019	Society for Epidemiological Research (SER)
2014-2015	Council of State & Territorial Epidemiologists (CSTE)
2013-2014	American Public Health Association (APHA)

### ***Journal Editorial Board***

2018-2020	Ohio Journal of Public Health
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