

Alysha Everett, MS

Pre-Doctoral Student | Department of Nutrition Sciences
University of Alabama at Birmingham
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Research Interests

Fetal, infant and maternal health; placental transport; intergenerational health disparities; developmental origins of obesity

Education

University of Alabama at Birmingham, Birmingham, AL 2020 - Present
Doctor of Philosophy in Department of Nutrition Sciences

University of Alabama at Birmingham, Birmingham, AL 2019 – 2021
Master of Science in Department of Nutrition Sciences

Oregon State University, Corvallis, OR 2014 – 2018
Bachelor of Science in Department of BioHealth Science
Bachelor of Science in Department of Nutrition Science
Minor in Chemistry

Research Experience

Master's Research 2019 – 2021
Department of Nutrition Sciences, University of Alabama at Birmingham
Principal Investigator: Dr. Paula Chandler-Laney, PhD

- Experience in research involving infant and maternal health.
- Trained to calibrate the PeaPod to measure infant body composition.
- Completed secondary analysis of data from the PEARLS study (PI: Baskin) for thesis: "Race, feeding practices, and infant growth". The objective of this study was to investigate whether race differences in infant feeding practices are associated with differences in weight gain observed in non-Hispanic black and non-Hispanic white infants.

Undergraduate Research Intern Spring 2018
Department of Nutrition Sciences, Oregon State University
Principal Investigator: Dr. Sean Newsom, PhD
Worked in Translational Metabolism Research Laboratory for 4 months. Performed data entry for a knock-out study measuring mitochondrial respiration of mice. Worked with data entry programs such as DatLab, Jump and Prism.

Publications

Martin S, Zhang L, Callahan M, Bahorski J, Lewis C, Hidalgo B, Durant N, Moore B, **Everett A**, Aslibekyan S, Harper L, Battarbee A, Habegger K, Sertie R, Yi N, Garvey WT, Chandler-Laney P. Association of maternal obesity, with and without gestational diabetes, with mother-child body composition and cardiometabolic health 4-10 years after pregnancy. *Obesity Science and Practice*.

Manuscripts Submitted

Chandler-Laney P, Biggio JR, Tipre M, Carson TL, Bae S, **Everett AB**, Baskin ML. Relationship between Race and Gestational Weight Gain in Pregnancy and Early Life in the South Birth-Cohort Study. *Submitted to Maternal and Child Health*.

Moore BA, Callahan ML, Martin SL, **Everett A**, Garvey WT, Chandler-Laney P. Associations among physical activity, adiposity, and insulin resistance in children exposed *in utero* to maternal obesity with and without gestational diabetes. *Submitted to Pediatric Exercise Science*.

Everett AB, Tipre M, Carson TL, Blanchard C, Baskin ML, Chandler-Laney P. Race, Feeding Practices and Infant Weight Gain During the First 6 Weeks of Life. *Submitted to American Journal of Perinatology*.

Manuscripts in Preparation

Everett AB, Martin SL, Moore BA, Fouts A, Garvey WT, Chandler-Laney P. Leptin resistance in children at high versus low risk for obesity and associations with maternal leptin. *Manuscript in preparation; will be submitted to Pediatric Obesity*.

Everett AB, Callahan M, Chandler-Laney P. Maternal appetite during pregnancy and its effect on gestational weight gain and neonatal outcomes. *Manuscript in preparation; will be submitted to Eating Behaviors*.

Everett AB, Pavela G, Habegger K, Chandler-Laney P. The effect of a high fat diet during gestation in rodent dams on offspring leptin resistance and weight and adiposity change. *Manuscript in preparation*.

Abstracts and Poster Presentations

Abstracts Submitted

Posters Presented

Everett A, Moore BA, Martin SL, Garvey WT, Chandler-Laney P. "Child risk for obesity and leptin resistance" Alpha Eta Society Research Day, Birmingham, AL. February 2022

Everett A, Moore BA, Martin SL, Garvey WT, Chandler-Laney P. “Leptin Resistance is Present in Children Born to Women with Gestational Diabetes and is Associated with Cardiovascular Disease Risk Factors” Developmental Origins of Health and Disease, Virtual. November 2021

- 3-minute oral presentation

Everett A, Martin SL, Moore BA, Callahan ML, Chandler-Laney P. “Maternal-Child Leptin and Adiponectin are Positively Correlated Independent of Child Adiposity” The Obesity Society, Virtual. November 2021

- E-poster presentation

Moore BA, Callahan ML, Martin SL, **Everett A**, Garvey WT, Chandler-Laney P. “Sedentary Behavior and Physical Activity in Children at High versus Low Risk for Obesity” The Obesity Society, Virtual. November 2021

- E-poster presentation

Everett A, Callahan ML, Chandler-Laney P. “Appetite in Pregnancy, Gestational Weight Gain and Infant Birth Weight” The Obesity Society, Virtual. November 2020

- E-poster presentation

Moore BA, Callahan ML, Martin SL, **Everett A**, Garvey WT, Chandler-Laney P. “Gestational Diabetes and Obesity and Child Physical Activity, Adiposity and Insulin Sensitivity” The Obesity Society, Virtual. November 2020

- E-poster presentation

Everett A, Jerome M, Tipre M, Blanchard C, Carson T, Chandler-Laney P, Baskin M. “Do feeding practices explain race differences in infant body weight?” Health Disparities Research Symposium, Birmingham AL. April 2020

- Abstract was accepted however the conference was cancelled due to Covid-19

Memberships

Developmental Origins of Health and Disease (DOHaD) Student Membership 2021 - Present

The Obesity Society (TOS) Student Membership 2020 - Present

Certificates

CIRTL Associate 2021
University of Alabama at Birmingham

Awards and Scholarships

Nutrition Obesity Research Center (NORC) T32 Predoctoral Training Grant 2021 - Present
University of Alabama at Birmingham

Blazer Graduate Research Fellowship 2020 - 2021
University of Alabama at Birmingham

Pac-12 Athletics All-Academic Honors Oregon State University	Spring 2017
Athletic Scholarship Oregon State University	2014 - 2018
Provost Scholarship Oregon State University	2014 - 2018

Workshops, Symposiums and Seminars

The Neurobiology of Eating Behavior in Obesity: Mechanisms and Therapeutic Targets Symposium Nutrition Obesity Research Center at Harvard	2022
NIH Obesity Research Task Force (ORTF) Seminar Series: Moving beyond BMI: Exploring the Heterogeneity of Obesity National Institute of Health	2022
Annual Translational and Transformative Informatics Symposium (ATTICS) University of Alabama at Birmingham	2022
Strengthening Causal Inference in Behavioral Obesity Research Workshop Indiana University	2021
Advanced Nutrition Obesity Research Center Seminar Series University of Alabama at Birmingham	2019 - Present

Other Experience

ABRCMS Poster Judge	Spring 2022
Developmental Origins Journal Club University of Alabama at Birmingham	2022 - Present
Nutrition Obesity Research Center (NORC) Walking Journal Club University of Alabama at Birmingham	2021 - Present
Teaching Assistant, TA University of Alabama at Birmingham	2021 - Present

Work with Dr. Doug Moellering to assist with various course activities for Nutritional Biochemistry (NTR 618). Responsibilities include grading papers, interacting with students on discussion boards, revising old assignments, developing new lecture content and exam questions.

Benton County Community Health Center, Job Shadow
Corvallis, OR

September 2015 – December 2015

Worked directly with the Head of Pharmacy in organization of prescriptions and performing other administrative duties. Interacted with patients and met protocol to explain medications currently being prescribed. Collaborated with technicians to decide what the best medications for a patient are based on doctor recommendations and health records.

Community Outreach

Saddleback Church Missions Ministry, Missionary

August 2019

Liberia, Costa Rica

Received training and certification prior to trip departure and taught classes in hygiene and health to participants from all across Liberia, Costa Rica. At completion of the class, members were certified and encouraged to host classes for members of their own communities. A portion of the class consisted of broad nutritional education, such as the importance of a well-balanced diet, a brief discussion of macronutrients, and the importance of hydration.