
BIOGRAPHICAL SKETCH

NAME Ashley Shoemaker		POSITION TITLE(S) Pediatric Endocrinology Instructor	
eRA COMMONS USER NAME shoemaah			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
The College of William and Mary	B.S.	1998-2002	Biology
Virginia Commonwealth University (Richmond,	M.D.	2002-2006	Medicine
Johns Hopkins University (Baltimore, MD)		2006-2009	Pediatrics
Vanderbilt University (Nashville, TN)		2009-2012	Pediatric Endocrinology
Vanderbilt University (Nashville, TN)	M.S.C.I.	2010-2012	Master of Science in Clinical Investigation

A. Positions and Honors

Positions and Employment

2006-2007 Intern, Department of Pediatrics, Johns Hopkins University
 2007-2009 Resident, Department of Pediatrics, Johns Hopkins University
 2009-2012 Fellow, Department of Pediatrics, Division of Endocrinology, Vanderbilt University
 2012-Present Instructor, Department of Pediatrics, Division of Endocrinology, Vanderbilt University

Other Experience and Professional Member

2009 American Board of Pediatrics, Board Certified, General Pediatrics
 2010-Present Endocrine Society Member
 2010-Present Pediatric Endocrine Society Member
 2013-Present PES Obesity Committee Member
 2013 Pediatric Academic Societies Annual Meeting Abstract Reviewer
 2013 American Board of Pediatrics, Board Certified, Pediatric Endocrinology

Honors

2002-2006 Harry and Harriet Grandis Scholarship (full tuition merit scholarship)
 2005 Alpha Omega Alpha Honor Society
 2006 Dr. Sidney B Barham Scholarship
 2006 Elizabeth Joanne Harbison Memorial Award (pediatric award)
 2006 William Branch Porter Award (internal medicine clerkship award)
 2010 Endocrine Society Endocrine Trainee Day and Travel Award
 2011 Endocrine Society Clinical Fellow Travel Grant
 2011 Pediatric Endocrine Society Summer School
 2011 Vanderbilt Scholar in Diabetes Award
 2012 Pediatric Endocrine Society Travel Award
 2012 Finalist, 30th Annual Vanderbilt Research Forum Newman Award in Clinical Research
 2012 2nd place, VICTR Research Symposium

B. Selected peer-reviewed publications (in chronological order)

Peer Reviewed Manuscripts

1. **Shoemaker AH***, Joseph AW*, Germain-Lee EL. Increased Prevalence of Carpel Tunnel Syndrome in Albright Hereditary Osteodystrophy. *Journal of Clinical Endocrinology and Metabolism*, April 27, 2011. PMID 21525160. [PMCID: PMC3135204](#) *Co-first authors.
2. **Shoemaker AH**, Zienkiewicz J, Moore DJ. Clinical assessment of HNF1A and GCK variants and identification of a novel mutation causing MODY2. *Diabetes Research and Clinical Practice*, February 15, 2012. PMID: 22341299. [PMCID:PMC 3560353](#)
3. Fagan EL, Slone JS, **Shoemaker AH**, Black J, Berlin J, Engel ME. Neuroendocrine Carcinoma in an Adolescent Presenting with Hypercortisolemia. *Journal of Pediatric Hematology and Oncology*, April, 2012. [PMID 22441712](#)
4. **Shoemaker AH**, Bremer AA. Two teenage males with hypocalcemia and elevated parathyroid hormone levels. *Pediatric Annals* 2012 Apr 1;41(4):e1-5. [PMID: 22494214](#)
5. Simmons JH, **Shoemaker AH**, Roth CL. Treatment with glucagon-like-peptide-1 agonist Exendin-4 in a patient with hypothalamic obesity secondary to intracranial tumor. *Hormone Research in Pediatrics*, July 20, 2012. [PMID 22831918](#) <http://www.karger.com/Article/FullText/339469>
6. **Shoemaker AH**, Lomenick JP, Saville BR, Wang W, Buchowski MS, Cone RD. Energy Expenditure in Obese Children with Pseudohypoparathyroidism Type 1a. *International Journal of Obesity*, December 11, 2012. [PMID 23229731](#) <http://www.nature.com/ijo/journal/vaop/ncurrent/full/ijo2012200a.html>
7. Chan J, Lomenick JP, Buchowski MS, **Shoemaker AH**. Insulin resistance is not associated with thermogenic effect of a high-fat meal in obese children. *Nutrition Research* (2014), DOI 10.1016/j.nutres.2014.06.003 [PMCID: PMC4115362](#) [[Available on 2015/6/11](#)]
8. Wang L, **Shoemaker AH**. Eating behaviors in obese children with pseudohypoparathyroidism type 1a: a cross-sectional study. *International Journal of Pediatric Endocrinology*. Accepted August 14, 2014.

C. Research support.

ACTIVE:

1 K23 DK101689-01 (Shoemaker) 09/01/2014-06/30/2014

Early-onset Obesity and Cognitive Impairment in Children with Pseudohypoparathyroidism

The overarching hypothesis of these aims is that pseudohypoparathyroidism type 1a (PHP1a) is associated with cognitive impairment and poor executive function which, along with decreased energy expenditure, contributes to excess weight gain through increased sucrose preference and reward-based decision making.

Role: PI

VUMC 42849 (Shoemaker)

04/24/2014-04/25/2015

Zafgen, Inc

Randomized Double-Blind, Placebo Controlled, Phase 2a Trial of ZGN-440

(Subcutaneous Beloranib in Suspension)

A Novel Methionine Aminopeptidase 2 Inhibitor, in Obese Subjects with Hypothalamic Injury to Evaluate Weight Reduction and Safety over 4 weeks followed by an Optional 4-week Open-Label extension

Role: Site PI

UL1RR024975 (Bernard)

4/01/2012-3/31/2015

Vanderbilt CTSA grant

Project: Effects of Exenatide on Body Weight in Patients with Hypothalamic Obesity

We hypothesize that patients with abnormal hypothalamic function will be hypersensitive to the weight loss effects of the GLP-1 agonist exenatide. This project includes extensive metabolic phenotyping of 10 subjects

with hypothalamic obesity followed by treatment with exenatide for 50 weeks. The primary outcome is change in body weight from baseline.

This grant provides project support.

GR-08-21558-00 (Phillips III)

07/01/2014-6/30/2015

State of Tennessee

State Genetics Contract

The major goals of this project seek to reduce the frequency and the burden of genetic disorders in the middle Tennessee and adjoining regions by early diagnosis, treatment and education of affected individuals, their relatives and those at risk.

Role: Co-Investigator

COMPLETED:

5 KL2 TR000446-07 (Bernard)

12/01/2013-11/30/2014

NIH/NCATS

Vanderbilt Clinical and Translational Research Scholars

Project: Effects of Exenatide on Body Weight in Patients with Hypothalamic Obesity

The goal of this project is to conduct a pilot study using the GLP-1 analogue exenatide in patients with hypothalamic obesity due to tumors or other lesions in the hypothalamus. Participants undergo metabolic phenotyping and receive the study drug for 50 weeks. The primary outcome is change in body weight.

Role: Project PI

UL1RR024975 (Bernard)

04/19/2012-04/18/2014

Vanderbilt Institute for Clinical and Translational Research CTSA Grant

Project: Effects of Exenatide on Body Weight in Patients with Hypothalamic Obesity

This grant supported the clinical research costs of the above study.

Role: Project PI

UL1RR024975 (Bernard)

09/01/2010-08/30/2012

Vanderbilt Institute for Clinical and Translational Research CTSA Grant

Project: Melanocortin-3 Receptor Mutations as a Cause of Cushing's Syndrome in Humans

The goal of this grant was to use BioVU to look for deleterious mutations in the *MC3R* gene in patients with hypercortisolism.

Role: Project PI

Fellow's Development Research Grant (Shoemaker)

11/01/2010-07/01/2012

Endocrine Fellows Foundation

Project: Thermogenic Effect of Food in Children with Melanocortin Obesity Syndrome.

The goal of this grant was to study energy expenditure in children with abnormal melanocortin receptor signaling, including children with pseudohypoparathyroidism.

UL1RR024975 (Bernard)

09/01/2010-08/30/2012

NIH/NCRR

Vanderbilt CTSA Grant

Project: Thermogenic Effect of Food in Children with Melanocortin Obesity Syndrome.

This grant supported the clinical research costs of the above study.

Role: Project PI

T32HD060554 (Cooper)

07/01/2010-06/30/2012

NIH/Eunice Kennedy Shriver National Institute of Child Health

Department of Pediatrics Training Grant

Project: Conducting child health care research in vulnerable populations.

Role: Trainee

Fellow's Development Research Grant (Shoemaker)

11/01/2011-10/31/2012

Endocrine Fellows Foundation

Project: Effects of Exenatide on Body Weight in Patients with Hypothalamic Obesity

This grant supported clinical research costs of the study.

Vanderbilt Physician Scientist Development Program

07/01/2012-11/31/2013

Internal Grant Funds, Shoemaker Project:

Effects of Exenatide on Body Weight in Patients with Hypothalamic Obesity

Role: PI