**Corrie M. Whisner, PhD**

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**EDUCATION**

**Purdue University,** West Lafayette, Indiana

Doctor of Philosophy in Nutrition Science, December 2011

Dissertation: Prebiotic Effects on Calcium Absorption and Bone Metabolism

Adviser: Connie M. Weaver, PhD

**Purdue University,** West Lafayette, Indiana

Bachelor of Science in Nutrition Science, May 2007

Honors thesis: Impact of Dietary Habits related to Beverage Acidity Intake on Dental Erosion and Bone Fragility Fractures

Adviser: Stacey L. Mobley, PhD

**PROFESSIONAL EXPERIENCE**

**Arizona State University**, Tempe, Arizona,

*Assistant Professor* August 2014 – Present

* Faculty member in the School of Nutrition and Health Promotion

**Cornell University**, Ithaca, New York

*Postdoctoral Fellow* September 2012 – July 2014

* USDA NIFA AFRI Postdoctoral Fellow in the Division of Nutritional Sciences; Mentor: Kimberly O. O’Brien, PhD

**Purdue University**, West Lafayette, Indiana

*Postdoctoral Associate* January 2012 – August 2012

* Project manager for metabolic studies and limited-term lecturer in the Department of Nutrition Science

*Graduate Research Assistant* August 2007 – December 2011

* Project supervisor for studies in calcium metabolism; Adviser: Connie M. Weaver, PhD

*Graduate Teaching Assistant* August 2009 – December 2011

* Teaching assistant for senior-level capstone course in nutrition communications

*Undergraduate Research Assistant* 2004-2007

* Lab assistant for biological sample processing and biochemical assays

**RESEARCH INTERESTS**

My research interests include: metabolic disturbances in nutrition-related diseases, lifestyle interventions to prevent or correct chronic disease, and how early exposure to dietary and metabolic factors can influence disease risk later in life. I am especially interested in studying the influential effects of dietary and hormonal mediators on osteoporosis and obesity risk during early life through adolescence.

**GRANTS**

Not funded **Title**: Vitamin D Supplementation and the Vaginal and Fecal Microbiome During Pregnancy

**Role**: Co-Investigator **Funding**: USDA Agriculture and Food Research Initiative

2012-2014 **Title**: Impact of maternal diet and dietary beliefs on fetal fat accretion and neonatal birth outcomes in pregnant adolescents

**Role**: Postdoctoral Fellow / Principal Investigator

**Funding**: USDA National Institute of Food and Agriculture

2012 **Title**: Dose-Response Effects of Soluble Corn Fiber (SCF) on Calcium Metabolism and Gastrointestinal Microflora in Adolescents

**Role**: Fellow, co-authored narrative, assembled budget

**Funding**: Tate & Lyle Health & Nutrition Sciences

**TEACHING EXPERIENCE**

**Purdue University, Department of Nutrition Science**  West Lafayette, IN

*Limited-Term Lecturer*

FN424: Nutrition Communications Spring 2012 29 Students Overall Instructor Average: 4.7 / 5.0

*Graduate Teaching Assistant*

FN424: Nutrition Communications Fall 2011 40 Students Overall Instructor Average: 4.6 / 5.0

FN424: Nutrition Communications Fall 2010 26 Students Overall Instructor Average: 4.7 / 5.0

FN424: Nutrition Communications Spring 2010 46 Students Overall Instructor Average: 4.2 / 5.0

FN424: Nutrition Communications Fall 2009 28 Students Overall Instructor Average: 4.6 / 5.0

FN424: Nutrition Communications Spring 2009 28 Students Overall Instructor Average: 4.7 / 5.0

**TEACHING INTERESTS**

My teaching interests include: vitamin and mineral metabolism, nutrition through the life cycle, nutrition communication techniques and application of behavior change theories

**HONORS AND AWARDS**

2014 Experimental Biology, Community and Public Health Nutrition Poster Competition, 2nd Place

2013 Experimental Biology, Vitamins & Minerals Research Session Poster Competition, 1st Place

2011 Graduate Teacher Certificate, Center for Instructional Excellence, Purdue Teaching Academy

2010-2011 Dr. Mary Fuqua, Fuqua Scholarship

2007-2008 Lynn Doctoral Fellowship

2007-2008 Mortar Board Fellowship

2007 NCAA Indoor Track and Field National Qualifier

2006 USTFCCCA All Academic Women’s Track and Field Team

2002-2005 Academic All Big Ten, Cross Country

2004-2006 Academic All Big Ten, Track and Field

**PUBLICATIONS**

**Refereed Journal Articles**

**Whisner CM**, Young BE, Cooper E, Queenan RA, Pressman EK, O’Brien KO. Sugar intake predicts fetal fat accretion in a diverse cohort of pregnant teens. 2014; Under review at Int J Obes.

**Whisner CM**, Young BE, Witter FR, Harris ZL, Queenan RA, Cooper EM, O’Brien KO. Reductions in heel bone quality across gestation are attenuated in pregnant adolescents with higher pre-pregnancy weight and greater increases in PTH across gestation. J Bone Miner Res. 2014;March 28 [Epub ahead of print]

**Whisner CM**, Martin BR, Nakatsu CH, McCabe GP, McCabe LD, Weaver CM. Soluble maize fiber affects short-term calcium absorption and retention in adolescent boys and girls: a randomized controlled trial using dual stable isotopic tracers. Br J Nutr. 2014;112:446-456.

**Whisner CM**, Martin BR, Schoterman MHC, Nakatsu CH, McCabe LD, McCabe GP, Wastney ME, van den Heuvel EGHM, Weaver CM. Galacto-oligosaccharides increase calcium absorption and gut bifidobacteria in young girls: a double blind cross-over trial. Br J Nutr. 2013;110(7):1292-1303.

**Book Chapters**

**Whisner CM**, Weaver CM. Galacto-oligosaccharides: Prebiotic effects on calcium absorption and bone health. In: Burkhart P, Dawson-Hughes B, Weaver CM [eds.]. Nutritional Influences on Bone Health – 8th International Symposium. Springer. 2013.

**Whisner CM, Weaver CM. Interactions of Probiotics & Prebiotics with Minerals. In:** Semih Otles [ed.]. **Probiotics and Prebiotics in the Triangle of Food, Nutrition and Health.** CRC Press. 2013.

**CONFERENCE PRESENTATIONS   
Whisner CM**, Martin BR, Clavijo A, Nakatsu CH, McCabe GP, van den Heuvel EGHM, Schoterman MHC, Weaver CM. Galactooligosaccharides: Effects on calcium absorption and gut microflora in young premenarcheal girls*. 8th International Symposium on Nutritional Aspects of Osteoporosis,* Lausanne, Switzerland, May 19, 2012.

**Whisner CM**, Martin BR, McCabe GP, McCabe LD, Weaver CM. Soluble corn fiber effects on calcium absorption and retention in adolescent girls and boys. *FASEB J.* 2012; 26: 373.4. Experimental Biology, San Diego, CA.

**Whisner CM**, Pressman EK, Young BE, Cooper E, Queenan RA, O’Brien KO. Adipokines and fetal fat accretion in pregnant teens. FASEB J. 2013;27:111.8 April, 2013. Experimental Biology, Boston, MA.

**REFEREED ABSTRACTS AND POSTERS   
Whisner CM**, Cooper EM, Pressman EK, O’Brien KO. Infant cord cortisol is impacted by birth size in

pregnant adolescents. Reproductive Sciences. 2014;21(3 supp):345A.

**Whisner CM**, Cooper BM, Pressman EK, O’Brien KO. A brief survey of digital media access among

pregnant teens. FASEB J. 2014;28:806.21.

**Whisner CM**, Nakatsu CH, Martin BR, McCabe LD, McCabe GP, Weaver CM. Soluble corn fiber (SCF)

modulates calcium absorption by altering colonic microbiota. FASEB J. 2013;27:1056.1.

**Whisner CM**, Pressman EK, Young BE, Cooper EM, Queenan RA, O'Brien KO. Does pre-pregnancy BMI, gestational weight gain and dietary intake in pregnant teens influence fetal fat accretion? Reproductive Sciences. 2013;20(3 supp):217A.

**Whisner CM,** Young BE, McNanley T, Queenan RA, Cooper E, Witter F, Harris ZL, O’Brien KO. An explanatory study to identify the role of calcium and vitamin D in fetal bone growth compared to maternal bone loss among pregnant adolescents. Vitamin D: Beyond Bone. New York Academy of Science, New York, NY, September 21, 2012.

**Whisner CM**, Martin BR, Clavijo A, Nakatsu CH, McCabe GP, van den Heuvel EGHM, Schoterman MHC, Weaver CM. Galactooligosaccharides: Effects on calcium absorption and gut microflora in young premenarcheal girls. *FASEB J.* 2012; 26: 625.5. Experimental Biology, San Diego, CA.

**Whisner CM**, Martin BR, McCabe GP, McCabe LD, Weaver CM. Soluble corn fiber effects on calcium absorption and retention in adolescent girls and boys. *Health and Human Sciences Chronic Disease Research Interest Group Poster Session*, Purdue University, April 22, 2012.

Martin BR, **Whisner CM**, Delaney L, Weaver CM. Race, diet, and body size contribute to skeletal parameters in female adolescents. *FASEB J*. 2012; 26: 378.3. Experimental Biology, San Diego, CA.

**Whisner CM**, Martin BR, Clavijo A, Nakatsu CH, McCabe GP, van den Heuvel EGHM, Schoterman MHC, Weaver CM. Soluble corn fiber effects on calcium absorption and retention in adolescent girls and boys. Interdepartmental Nutrition Program Poster Session, Purdue University, February 24, 2012.

**INVITED PRESENTATIONS**

Revolutionizing Nutrition Communications with Social Media. May Conference. Department of Nutrition Science, Purdue University, May 2012.

R.E.C.I.P.E. for Healthy Growing Children. Indiana Team Nutrition Grant Extension Education Program. Indiana, May 2009.

The Bone Zone: Fostering Good Habits for Healthy Bones in Youth. The Ohio State Farm Science Review. Columbus, OH, September 2008.

The Bone Zone: Fostering Good Habits for Healthy Bones in Youth. NASULGC: A University Science and Education Exhibition and Reception on Capitol Hill. Washington DC, March 2008.

**ACADEMIC COMMUNITY SERVICE**

Member, American Society for Nutrition (ASN) Public Information Committee (2014-2016)

Postdoctoral Student Blogger, American Society for Nutrition Blog (2013-2014)

Reviewer, FASEB Abstracts for Bioactives Research Interest Section (2013)

Postdoctoral Student Representative, ASN Vitamins and Minerals Research Interest Section (2012-2013)

**ACADEMIC SOCIETY MEMBERSHIPS**

American Society for Nutrition

International Association for Probiotics and Prebiotics Student and Fellows Association

American Society for Bone and Mineral Research

Sigma Xi

**REFERENCES**

**Kimberly O’Brien, PhD**

Professor

Division of Nutritional Sciences, Cornell University, Ithaca, NY 14853

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**Connie M. Weaver, PhD**

Distinguished Professor and Head of Nutrition Science

Department of Nutrition Science, Purdue University, West Lafayette, IN 47907

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**Berdine Martin, PhD**

Research Associate

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**Barbara Mayfield, MS, RD**

Continuing Lecturer

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