

Patsy Brannon

Web Bio

Information

Biography

Teaching

Professional

Current Professional Activities

Dr. Brannon presently serves as a member of the Institute of Medicine Food and Nutrition B the IOM WIC Food Package Review Committee, the National Agricultural Research, Education, Extension and Economics Advisory Board, and the Steering Committee for the International Vitamin D Standardization Program. Key past service includes the Institute of Medicine Dietary Reference Intakes for Calcium and Vitamin D Committee, co-chairing the Federal Trans Agency Vitamin D Working Group as a Visiting Professor in the NIH Office of Dietary Supplements, the NIH Consensus Panel on Lactose Intolerance, the NIH State of the Science Panel on Multivitamin/mineral Supplements and Chronic Disease Prevention, National Institute of Diabetes, Digestive and Kidney Diseases Special Study Section, the NIH Nutrition Study Section, FASEB Science Policy Committee, past-chair of the American Society for Nutrition's Nutrition Council and Public Policy Committee, and past Chair of the Board of Human Sciences of the National Association of State Universities and Land Grant Colleges.

Research

Current Research Activities

Dr. Brannon's research focuses on the diet-gene regulation of the placenta and exocrine pancreas and vitamin D in pregnancy. Current research examines how maternal nutritional status regulates genes controlling growth of the placenta in cell and animal models. Understanding how maternal nutrition regulates the growth of the placenta will further our understanding of the mechanisms whereby intrauterine growth retardation and resulting fetal programming occur.

Extension

Current Extension Activities

Dr. Brannon's outreach extension centers on the Cornell Dietetics Program and continuing professional education for dietetic practitioners. As program leader of dietetics, she has the responsibility for coordinating this outreach programming.

Education

Education

Ph.D. 1979 - Cornell University, Nutritional Biochemistry

M.S. 1975 - Florida State University, Food and Nutrition Science

B.S. 1973 - Florida State University, Food and Nutrition Science

Courses

Courses Taught

NS 3220 Maternal and Infant Nutrition

NS 5550 Leadership in Dietetics

NS 6200 Translational Research and Evidence-based Policy and Practice in Nutrition

NS 6320 Regulation, Macronutrients and Metabolism

Websites

Administration

Administrative Responsibilities

Dr. Brannon is the Director of the Cornell Dietetic Internship.

Publications

Selected Publications

Jiang X, Jones S, Andrew B, Ganti A, Giallourou M, Brannon PM, Roberson M, Caudill M. (2014) Choline inadequacy impairs trophoblast function and vascularization in cultured human placental trophoblasts. *J Cell Physiol.* 229(8):1016-27.

Hansen JG, Tang W, Hootman K, Brannon, PM, Houston DK, Kritchevsky SB, Harris T, Garcia M, Lohman MK, Liu Y, De Boer I, Kesterhaum B, Robinson-Cohen C, Sissovik DS for MESA, Cassano PA (2014) Genetic and environmental predictors are associated with serum 25-hydroxyvitamin D in African-Americans in the Health, Aging and Body Composition Study. *J Nutr* (in press). (in press).

Brannon, P.M., Taylor, C. L, Coates, P.M. (2014) Use and Applications of Systematic Reviews in Public Health Nutrition. *Annu Rev Nutr* 34:401-19.

Brannon PM, Mayne ST, Murphy SP, Taylor CL (2014) Vitamin D supplementation in African Americans: dose-response. *Am J Clin Nutr.* 100(3):982-4.

Jiang X, Bar HY, Yan J, Jones, S, Brannon PM, West AA, Berry CA, Ganti A, Pressman E, Devapatle S, Vermeylen F, Wells, MT, Caudill MA . A higher maternal choline intake among third trimester pregnant women lowers placental and circulating concentrations of the antiangiogenic factor fms-like tyrosine kinase -1 (sFLT2). *FASEB J* 2013;27(3):1245-53.

Brannon PM. Key questions in vitamin D research. *Scand J Clin Lab Invest* 2012; 243 Suppl:154-62.