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PROFILE

Amy Luke is a nutritional epidemiologist with training in energy metabolism and the use of stable isotopes for the measurement of energy expenditure. Her research focuses on the environmental and genetic determinants of obesity and hypertension in populations of African and Mexican origin. Dr. Luke is the department's director of resident research and has a joint appointment in the Department of Family Medicine.

EDUCATION

Bachelor of Science (Highest Distinction) <i>University of Maine at Orono</i> Food and Nutrition	1984
Doctorate of Philosophy <i>University of Chicago</i> Human Nutrition & Nutritional Biology	1994

HONORS AND AWARDS

Totman Scholarship <i>University of Maine</i>	1980, 1981, 1983
Life Sciences & Agriculture Scholarship	1983
Phi Kappa Phi Honor Society	1983
Award for Excellence in Postgraduate Biomedical Research <i>Clinical Sciences, University of Chicago</i>	1990
Member, NIH ad hoc Study Section, Small Business, Natl Inst. Aging	2003
Member, NIH special emphasis panel Study Section, Health of Pop.	2004-2005
Member, NIH Kidney, Nutrition, Obesity & Diabetes Study Section	2005-2007

RECENT PUBLICATIONS

1. Rush EC, Crowley J, Freitas IF, **Luke A**. Validity of hand to foot measurement of bioimpedance: standing compared with lying position. *Obesity* 14:252-257, 2006.
2. Kotowski IK, Pertsemlidis A, **Luke A**, Cooper RS, Vega GL, Cohen JC, Hobbs HH. A spectrum of *PCSK9* alleles contributes to plasma levels of LDL-cholesterol. *Am J Human Genet* 78:410-422, 2006.
3. **Luke A**, Durazo-Arvizu R, Cao G, Adeyemo A, Tayo B, Cooper RS. Positive association between resting energy expenditure and weight gain in a lean adult population. *Am J Clin Nutr* 83:1076-1081, 2006.
4. Kramer H, Saranathan A, **Luke A**, Durazo-Arvizu R, Cao G, Hou S, Cooper R. Increasing BMI and obesity in the incident ESRD population. *J Am Soc Nephrol* 17:1453-1459, 2006.
5. Chang YPC, Liu X, Ikeda M, Kim JDO, Layton M, Weder A, Cooper R, Kardia S, Rao DC, Hunt S, **Luke A**, Boerwinkle E, Chakravarti A. Multiple essential hypertension susceptibility genes on chromosome 1q. *Am J Human Genet* e-pub

Dec 20, 2006.

6. **Luke A**, Chavez N, Rolle I, Cao G, Flores M, Macias N, Barquera S, Durazo-Arvizu RA. Comparison of dietary patterns in the Mexican and Mexican-American populations. *Salud Pub Mex* 49:E107-E108, 2007.
7. Hicks C, Zhu X, Wu X, **Luke A**, Kan D, Cooper RS. A genome-wide scan analysis of loci linked to serum adiponectin concentration in two populations of African descent. *Obesity* 15:1207-1214, 2007.
8. Kramer H, **Luke A**. Obesity and kidney disease: a big dilemma. *Curr Opin Nephrol Hypertens* 16:237-241,2007.
9. **Luke A**, Durazo-Arvizu RA. Association between obesity and chronic disease risk in children. *Salud Pub Mex* 49:E224-E228, 2007.
10. **Luke A**, Dugas L, Kramer H. Ethnicity, energy expenditure and obesity: are the observed black/white differences meaningful? *Curr Opin Endocrinol Diabetes Obes* 14:370-373, 2007.
11. Saunders CL, Chiodini B, Sham P, Lewis CM, Collier DA, Abkevick V, Adeyemo AA, de Andrade M, Arya R, Berenson GS, Blangero J, Borecki IB, Chagnon YC, Chen Y, Comuzzie AG, Deng HW, Duggirala R, Feitosa MF, Froguel P, Hanson RL, Hebebrand J, Huezo-Dias P, Kissebah AH, Li W, **Luke A**, Martin LJ, Nash M, Ohman M, Palmer LJ, Peltonen L, Perola M, Price RA, Redline S, Srinivasan SR, Stern MP, Stone S, Wijmenga C, Wu X. Meta-analysis of genome-wide linkage studies in body mass index and obesity. *Obesity* 15:2263-75, 2007.
12. Cappuccio FP, Kerry SM, Adeyemo AA, **Luke A**, Amoah AGB, Bovet P, Connor MD, Forrester T, Gervasoni JP, Kimbally Kaki G, Plange-Rhule J, Thorogood M, Cooper RS. Body weight and blood pressure: a collaborative analysis of 18,072 participants from Africa and the African diaspora. *Epidemiology* (in press).
13. **Luke A**, Durazo-Arvizu RA, Cao G, Forrester T, Wilks R, Schoeller DA, Cooper RS. Activity, adiposity and weight change in Jamaican adults. *West Ind Med J* (in press).
14. Dooley Y, Kenton K, Cao G, **Luke A**, Durazo-Arvizu R, Kramer H, Brubaker L. Urinary incontinence prevalence among black, white and Mexican-American women: results from the National Health and Nutrition Examination Survey (NHANES) 2001-2004. *J Urology* (in press).
15. Cooper JA, Watras AC, **Luke A**, Dobratz J, Earthman CP, Schoeller DA. Assessing validity and reliability of resting metabolic rate in six gas analysis systems. *J Am Diet Assoc* (in press).

RECENT EXPERIENCE

Research Assistant Professor <i>Department of Preventive Medicine and Epidemiology Stritch School of Medicine, Loyola University</i>	1997-2000
Assistant Professor <i>Department of Preventive Medicine and Epidemiology Stritch School of Medicine, Loyola University</i>	2001-2005
Associate Professor <i>Department of Epidemiology & Preventive Medicine and Family Medicine Stritch School of Medicine, Loyola University</i>	2005-
Adjunct Professor <i>Department of Preventive and Social Medicine University College Hospital, University of Ibadan, Ibadan, Nigeria</i>	2007-