

Nutrition Center Affiliated Scholars Recent Publications:

Summer 2010

Heiney SP, **Adams SA**, Wells LM, Johnson H. Evaluation of conceptual framework for recruitment of African American patients with breast cancer. *Oncol Nurs Forum*. 2010 May;37(3):E160-7. PMID: 20439201

Sui X, Lee DC, Matthews CE, **Adams SA**, Hébert JR, Church TS, Lee CD, **Blair SN**. Influence of cardiorespiratory fitness on lung cancer mortality. *Med Sci Sports Exerc*. 2010 May;42(5):872-8. PMID: 19996990

Guinn CH, **Baxter SD**, Royer JA, Hardin JW, Mackelprang AJ, Smith AF. Fourth-grade children's dietary recall accuracy for energy intake at school meals differs by social desirability and body mass index percentile in a study concerning retention interval. *J Health Psychol*. 2010 May;15(4):505-14. PMID: 20460407

Beets MW, Foley JT. Comparison of 3 different analytic approaches for determining risk-related active and sedentary behavioral patterns in adolescents. *J Phys Act Health*. 2010 May;7(3):381-92. PMID: 20551496

Beets MW. A step in the right direction: commentary on expected values for pedometer-determined physical activity in youth. *Res Q Exerc Sport*. 2010 Jun;81(2):123-4; discussion 125-6. PMID: 20527296

Agiovlasitis S, Collier SR, Baynard T, Echols GH, Goulopoulou S, Figueroa A, **Beets MW**, Pitetti KH, Fernhall B. Autonomic response to upright tilt in people with and without Down syndrome. *Res Dev Disabil*. 2010 May-Jun;31(3):857-63. PMID: 20307953

Banda JA, Clouston K, Sui X, **Hooker SP**, Lee CD, **Blair SN**. Protective health factors and incident hypertension in men. *Am J Hypertens*. 2010 Jun;23(6):599-605. PMID: 20224555

Warren TY, Barry V, **Hooker SP**, Sui X, Church TS, **Blair SN**. Sedentary behaviors increase risk of cardiovascular disease mortality in men. *Med Sci Sports Exerc*. 2010 May;42(5):879-85. PMID: 19996993

Mertz KJ, Lee DC, Sui X, Powell KE, **Blair SN**. Falls among adults: the association of cardiorespiratory fitness and physical activity with walking-related falls. *Am J Prev Med*. 2010 Jul;39(1):15-24. PMID: 20547276

Kesäniemi A, Riddoch CJ, Reeder B, **Blair SN**, Sørensen Tia. Advancing the future of physical activity guidelines in Canada: an independent expert panel interpretation of the evidence. *Int J Behav Nutr Phys Act*. 2010 May 11;7:41. PMID: 20459785

Mattocks C, Hines M, Ness A, Leary S, Griffiths A, Tilling K, **Blair SN**, Riddoch C. Associations between sex-typed behaviour at age 31/2 and levels and patterns of physical activity at age 12: the Avon Longitudinal Study of Parents and Children. *Arch Dis Child*. 2010 Jul;95(7):509-12. PMID: 20504842

IN THE NEWSNC SEED GRANT RECIPIENTS

Congratulations to the 2010 Nutrition Center Seed Grant recipients! This year we have two recipients:

Dr. Maryah Fram for her proposal, "Experiences of hunger by children in Hispanic families in South Carolina" and

Dr. Christine Blake for her proposal, "Developing a model to assess label impact on parent demand for child beverages"

Congratulations to both!

New Affiliated Scholars

Please join us in welcoming our newest Nutrition Center Affiliated Scholars:

- Sarah Battersby
- Lyndie Forthofer
- Melayne McInnes
- Orgal Ozturk

Promotions!

Congratulations to **Angela Liese** (NC Director), **Jan Probst** (NC Steering Group member & AS), and **Sara Wilcox** (NC AS)!!!

The President has recommended to the Board of Trustees that they all be promoted to Full Professor! Congratulations!

Borawski EA, Brooks A, **Colabianchi N**, Trapl ES, Przepyszny KA, Shaw N, Danosky L. Adult use of cigars, little cigars, and cigarillos in Cuyahoga County, Ohio: a cross-sectional study. *Nicotine Tob Res.* 2010 Jun;12(6):669-73. PMID: 20418382

Frongillo EA, Cantor MH, MacMillan T, Issacman TD, Sherrow R, Henry M, Wethington E, Pillemer K. Who are the recipients of Meals-on-Wheels in New York City? A profile of based on a representative sample of Meals-on-Wheels recipients, part II. *Care Manag J.* 2010;11(2):129-39. PMID: 20560524

Saha KK, Tofail F, **Frongillo EA**, Rasmussen KM, Arifeen SE, Persson LA, Huda SN, Hamadani JD. Household food security is associated with early childhood language development: results from a longitudinal study in rural Bangladesh. *Child Care Health Dev.* 2010 May;36(3):309-16. PMID: 20184593

Weiser SD, Tuller DM, **Frongillo EA**, Senkungu J, Mukibi N, Bangsberg DR. Food insecurity as a barrier to sustained antiretroviral therapy adherence in Uganda. *PLoS One.* 2010 Apr 28;5(4):e10340. PMID: 20442769

Frongillo EA, Cantor MH, MacMillan T, Issacman TD, Sherrow R, Henry M, Wethington E, Pillemer K. Who are the recipients of Meals-on-Wheels in New York City?: A profile of based on a representative sample of Meals-on-Wheels recipients, Part I. *Care Manag J.* 2010;11(1):19-40. PMID: 20426317

Crouter SE, Kuffel E, Haas JD, **Frongillo EA**, Bassett DR Jr. Refined two-regression model for the ActiGraph accelerometer. *Med Sci Sports Exerc.* 2010 May;42(5):1029-37. PMID: 20400882

Davis JR, Wilson S, Brock-Martin A, **Glover S**, Svendsen ER. The impact of disasters on populations with health and health care disparities. *Disaster Med Public Health Prep.* 2010 Mar;4(1):30-8. PMID: 20389193

Reed JA, Einstein G, Hahn E, **Hooker SP**, Gross VP, Kravitz J. Examining the impact of integrating physical activity on fluid intelligence and academic performance in an elementary school setting: a preliminary investigation. *J Phys Act Health.* 2010 May;7(3):343-51. PMID: 20551490

Lobelo F, **Liese AD**, Liu J, Mayer-Davis EJ, D'Agostino RB Jr, Pate RR, Hamman RF, Dabelea D. Physical activity and electronic media use in the SEARCH for diabetes in youth case-control study. *Pediatrics.* 2010 Jun;125(6):e1364-71. PMID: 20457683

Snell-Bergeon JK, West NA, Mayer-Davis EJ, **Liese AD**, Marcovina SM, D'Agostino RB Jr, Hamman RF, Dabelea D. Inflammatory markers are increased in youth with type 1 diabetes: the SEARCH Case-Control study. *J Clin Endocrinol Metab.* 2010 Jun;95(6):2868-76. PMID: 20371668

Liese AD, Lawson A, Song HR, **Hibbert JD**, Porter DE, **Nichols M**, **Lamichhane AP**, Dabelea D, Mayer-Davis EJ, Standiford D, Liu L, Hamman RF, D'Agostino RB Jr. Evaluating geographic variation in type 1 and type 2 diabetes mellitus incidence in youth in four US regions. *Health Place.* 2010 May;16(3):547-56. PMID: 20129809

Liese AD, **Nichols M**, Hodo D, Mellen PB, Schulz M, Goff DC, D'Agostino RB. Food intake patterns associated with carotid artery atherosclerosis in the Insulin Resistance Atherosclerosis Study. *Br J Nutr.* 2010 May;103(10):1471-9. PMID: 20092665

Wilcox S, Laken M, Parrott AW, Condrasky M, **Saunders R**, **Addy CL**, Evans R, Baruth M, Samuel M. The faith, activity, and nutrition (FAN) program: design of a participatory research intervention to increase physical activity and improve dietary habits in African American churches. *Contemp Clin Trials.* 2010 Jul;31(4):323-35. PMID: 20359549

Probst JC, Baek JD, Laditka SB. The relationship between workplace environment and job satisfaction among nursing assistants: findings from a national survey. *J Am Med Dir Assoc.* 2010 May;11(4):246-52. Epub 2010 Mar 6. PMID: 20439043

Shapiro CJ, Smith BH, Malone PS, Collaro AL. Natural experiment in deviant peer exposure and youth recidivism. *J Clin Child Adolesc Psychol*. 2010 Mar;39(2):242-51. PMID: 20390815

Huang SJ, Hung WC, **Sharpe PA**, Wai JP. Neighborhood environment and physical activity among urban and rural schoolchildren in Taiwan. *Health Place*. 2010 May;16(3):470-6. PMID: 20137996

Sharpe PA, Burroughs EL, Granner ML, **Wilcox S**, Hutto BE, Bryant CA, Peck L, Pekuri L. Health Educ Impact of a community-based prevention marketing intervention to promote physical activity among middle-aged women. *Behav*. 2010 Jun;37(3):403-23. PMID: 19875639

Mordukhovich I, Rossner P Jr, Terry MB, Santella R, Zhang YJ, Hibshoosh H, Memeo L, Mansukhani M, Long CM, Garbowski G, Agrawal M, Gaudet MM, **Steck SE**, Sagiv SK, Eng SM, Teitelbaum SL, Neugut AI, Conway-Dorsey K, Gammon MD. Associations between polycyclic aromatic hydrocarbon-related exposures and p53 mutations in breast tumors. *Environ Health Perspect*. 2010 Apr;118(4):511-8. PMID: 20064791

Hales D, Evenson KR, Wen F, **Wilcox S**. Postpartum physical activity: measuring theory of planned behavior constructs. *Am J Health Behav*. 2010 Jul-Aug;34(4):387-401. PMID: 20218751

Mathews AE, Laditka SB, Laditka JN, **Wilcox S**, Corwin SJ, Liu R, Friedman DB, Hunter R, Tseng W, Logsdon RG. Older adults' perceived physical activity enablers and barriers: a multicultural perspective. *J Aging Phys Act*. 2010 Apr;18(2):119-40. PMID: 20440026

Griffin SF, **Wilcox S**, Ory MG, Lattimore D, Leviton L, Castro C, Carpenter RA, Rheaume C. Results from the active for life process evaluation: program delivery fidelity and adaptations. *Health Educ Res*. 2010 Apr;25(2):325-42. PMID: 19325031 [

Wright MS, **Wilson DK**, Griffin S, Evans A. A qualitative study of parental modeling and social support for physical activity in underserved adolescents. *Health Educ Res*. 2010 Apr;25(2):224-32. PMID: 18703530

ADDITIONAL EXPERIMENTAL BIOLOGY PRESENTATIONS:

Baxter SD, Guinn CH, Royer JA, Hardin JW, Mackelprang AJ, Smith AF. Investigation of fourth-grade children's dietary recall accuracy and their achievement test scores (ATS). Oral (podium) presentation at Experimental Biology, Anaheim, CA, April, 2010.

Baxter SD, Guinn CH, Royer JA, Hardin JW, Mackelprang AJ, Devlin CM, Smith AF. Socioeconomic status and measures of dietary recall accuracy for fourth-grade children. Poster presentation at Experimental Biology, Anaheim, CA, April, 2010.

Baxter SD, Royer JA, Mackelprang AJ, Devlin CM, Guinn CH, Hardin JW. Participation of 1,725 fourth-grade children in the School Breakfast Program (SBP) and National School Lunch Program (NSLP): Comparing study records to parental responses on consent forms. Poster presentation at Experimental Biology, Anaheim, CA, April, 2010.

UPCOMING EVENTS:

Healthy Carolina Farmers Market: The Healthy Carolina Farmers Market is a convenient way for USC students, faculty and staff to shop for fresh, healthy, locally grown products.

Market dates for the Summer are **every Tuesday from 10-2pm June 1st-August 3rd**. Location is next to the Russell House.

Highlights from the Nutrition Center NIH Grantwriting Workshop: Responding to the new review criteria and Guidelines

Panel Dawn Wilson-King, Wilfred Karmaus, Suzi Baxter, Angela Liese

1. Prior to grant review it is important to remember how critical a cover letter is. YOU should choose the review group/study section to which your proposal should be sent. YOU should choose the institute (different paylines). YOU should choose the program officer (will be your cheerleader at council meeting). If you don't get what you ask for, ask that it be changed. Your SRO is important, too since they choose who reviews your proposal, too.
2. How do you get the project officer excited about your project? Ask hard questions, be efficient with their time, find someone with similar research interests.
3. About paylines: Different Institutes pay at different percentile rankings of proposals. NICHD pays at around 8th percentile while NIDDK pays at 12th. Over the course of the year, Institutes become less restrictive about payline so that proposals submitted in Feb and reviewed in spring will have better paylines.
4. New Criteria since June 09.
 - a. Impact Score: 1-9. The range of discussion varies for the type of Investigator. New Investigators are typically discussed at the level slightly above the top 50%. Experienced Investigators are discussed at the level slightly less than 50%.
 - i. Typically need a 1-2 to get funding. Impact score is about what's the potential of this project to have long term significant impact on public health." sustained powerful influence on the field"
 - b. Significance: how will this science improve PH
 - c. Investigators: remember this is team science; don't be intimidated by this one; get good consultants.
 - d. Innovation: what new is offered.
 - e. Approach:
 - f. Environment
5. Short form: R01 12 pages; R21 6 pages
 - a. 1 PAGE Aims: write impact into aims page. Write one sentence on significance and innovation in aims, too. 1 aim/year MAX.
 - b. Significance
 - c. Innovation
 - d. Approach
 - i. Investigative team first part here; integrate preliminary studies here
 - ii. Use a graphic to help reader find things in approach.
 - iii. Cite limitations of approach throughout.
 - iv. For each aim write a rationale, strategy, expected result, critique
 - v. End with power calculation and timeline