

## NUTRITION IN THE NEWS



**The Nutrition Center Affiliated Scholars continue their streak of success during a tough funding climate, with even more grants being awarded.**

- **Brie Turner-McGrievy, PhD**, was awarded the South Carolina Clinical and Translational Research Institute's (SCTR) Pilot Project Program grant, for her proposal "**Developing and Pilot Testing Agent-Mediated Social Networks for Modeling Healthy Behaviors**". This innovative research will be able to explore how social networks develop, support, and enhance healthy behaviors using collective data inputs.
- **Christine Blake, PhD**, was awarded a USC ASPIRE I proposal with co-investigators James Thrasher also from the department of Health Promotion, Education, and Behavior in the Arnold School of Public Health, Jiyeon Kim from Department of Retailing in the College of Hospitality, Retail & Sport Management, and Irmak Caglar from the Department of Marketing in Moore School of Business. It was funded by USC's Vice President for Research's office. The proposal entitled, "Using a novel experimental approach with eye tracking to examine how different front-of-package labels influence parents selection of foods and beverages for their children" will allow the team to develop, test, and refine an experimental protocol that will enable examination of the impact of different FOP nutrition rating systems on selection of healthier versus less healthy foods. "
- **Angela Liese, PhD**, was awarded a USC ASPIRE II proposal; "**Positioning USC for National Prominence in Food Security and Food Access Research**". It was also funded by USC's Vice President for Research's office. This grant aims to establish USC as a national thought-leader in policy-relevant research on childhood food security and food access.

#### **SNAP WAIVER DEBATE**

Dr. Ed Frongillo, Jr and Dr. Darcy Freedman have both played an active role in the SNAP waiver debate, at the State level.

#### **National Academy of Sciences Workshop on Research Opportunities for Child Hunger**

The National Research Council of the National Academies of Science Committee on Statistics Steering Committee for the Workshop, "Research Gaps and Opportunities on the Causes and Consequences of Child Hunger" invited both Dr. Sonya Jones and Dr. Edward Frongillo, Jr., to convene with other leaders in the field to set a direction for future child hunger research. The workshop was held 4/8 – 4/9 at the National Academy of Sciences in Washington, DC.

**The Nutrition Center 3<sup>rd</sup> Annual Symposium as a tremendous success, thanks to sponsors, speakers, and attendees. Powerpoints should be available on the website, over the next few days.**

**Affiliated Scholar gave great representation again this year at the Experimental Biology Conference. For more abstracts, click [here](#).**

Arthur AE, Peterson KE, **Hebert JR**, Chepeha DB, Duffy SA, Bellile EL, Taylor JMG, Wolk GT, Rozek LS. Characterization and stability of dietary patterns in the year following head and neck cancer diagnosis. FASEB J April 9, 2013 27:372.8

**Blake CE**, Rosemon TN, Torres-McGehhe T, **Frongillo EA**, Burke MP, Lenkerd A, Minton DM, Cable LTC S, **Glover SH**. Drill Sergeants' two contrasting approaches to "soldierization" and instilling healthy eating behaviors in soldiers. FASEB J April 9, 2013 27:231.4

Bougma K, Marquis GS, Aboud FE, **Frongillo EA**, Singla D, Harding KB, Lemma T, Samuel A, Serfu D. Iodine Deficiency and Child Development in Ethiopia. FASEB J April 9, 2013 27:845.4

**Burke MP, Jones SJ, Blake CE, Fra MS, Frongillo EA**. Very low food security among children is associated with daily energy intake and diet quality. FASEB J April 9, 2013 27:1054.6

Choi SK, **Frongillo EA, Fram MS**. Prediction of child health and nutrient intake by child versus parent reports of child food insecurity. FASEB J April 9, 2013 27:369.4

Escobar-Alegria JL, **Frongillo EA**. Sustainability of food-security policies during presidential transitions: Framework integrating socio-political and nutritional sciences. FASEB J April 9, 2013 27:620.2

Fishbein EM, **Fram MS, Fronillo EA**. Influence of leadership on the systematic identification of child food insecurity in schools. FASEB J April 9, 2013 27:1054.1

Garcia KY, **Frongillo EA**, Dresser AC, Orozco E, Rodriguez G. Understanding the formulation process of the Mexico and Spain school-feeding policies. FASEB J April 9, 2013 27:1055.7

Gonzalez W, **Frongillo EA, Thrasher JF**. Prospective analysis of the formulation of country-level plans of a regional health partnership. FASEB J April 9, 2013 27:1055.20

Hand GA, **Hebert JR**, Hill JO, **Blair SN**. Weight change and the matching of energy consumption and expenditure. FASEB J April 9, 2013 27:854.12

Nguyen PH, Avula R, Saha KK, Ali D, Tran LM, **Frongillo EA**, Rawat R, Ruel MT, Menon P. Do babies eat what mothers eat? The relationship between maternal and child dietary diversity in Bangladesh, Vietnam and Ethiopia. FASEB J April 9, 2013 27:243.7

Nguyen PH, Hoang LN, **Frongillo EA**, Hajeebhoy N, Menon P. Targeted technical assistance improves the quality of provincial nutrition plans in Vietnam between 2010 and 2012. FASEB J April 9, 2013 27:620.12

Steiner S, **Davis JM**, McClellan J, Murphy A. Quercetin decreases tumorigenesis in a mouse model of breast cancer. FASEB J April 9, 2013 27:862.30

Tabung F, **Steck SE**, Ma Y, Ockene JK, Shivappa N, **Hurley T, Liese AD, Zhang J**, Shikany JM, Park HL, Millen AE, Martin LW, Jiao L, Hou L, Agalliu I, Hingle M, Liu S, Rosa MC, **Hebert JR**. Validation of the Dietary Inflammatory Index in the Women's Health Initiative. FASEB J April 9, 2013 27:1b382

## Nutrition Center Affiliated Scholars Recent Publications (alphabetical order, by first author):

- Arthur AE, Peterson KE, Rozek LS, Taylor JM, Light E, Chepeha DB, **Hébert JR**, Terrell JE, Wolf GT, Duffy SA; UM Head and Neck SPORE Program. Pretreatment dietary patterns, weight status, and head and neck squamous cell carcinoma prognosis. *Am J Clin Nutr*. 2013 Feb;97(2):360-8. doi: 10.3945/ajcn.112.044859. PMID: 23269814
- Archer E, Shook RP, Thomas DM, Church TS, Katzmarzyk PT, **Hebert JR**, Mclver KL, Hand GA, Lavie CJ, **Blair SN**. 45-year trends in women's use of time and household management energy expenditure. *PLOS One*, 2013;8(2):e56620.
- Barr-Anderson DJ**, Sisson SB. Media use and sedentary behavior in adolescents: what do we know, what has been done, and where do we go? *Adolesc Med State Art Rev*. 2012 Dec;23(3):511-28. PMID: 23437685
- Baxter SD**, Guinn CH, Tebbs JM, Royer JA. There Is No Relationship between Academic Achievement and Body Mass Index among Fourth-Grade, Predominantly African-American Children. *J Acad Nutr Diet*. 2013 Apr;113(4):551-7. doi: 10.1016/j.jand.2013.01.004. PMID: 23522577
- Baxter SD**, Hitchcock DB, Guinn CH, Royer JA, **Wilson DK**, **Pate RR**, Mclver KL, Dowda M. A Pilot Study of the Effects of Interview Content, Retention Interval, and Grade on Accuracy of Dietary Information from Children. *J Nutr Educ Behav*. 2013 Apr 2. doi:pil: S1499-4046(13)00020-1. 10.1016/j.jneb.2013.01.016. PMID: 23562487
- Bradshaw PT, Khankari NK, Teitelbaum SL, Xu X, Fink BN, **Steck SE**, Gaudet MM, Kabat GC, Wolff MS, Neugut AI, Chen J, Gammon MD. Nutrient pathways and breast cancer risk: the long island breast cancer study project. *Nutr Cancer*. 2013 Apr;65(3):345-54. doi: 10.1080/01635581.2013.767364. PMID: 23530633
- Couch SC, Crandell JL, Shah AS, Dolan LM, **Merchant AT**, **Liese AD**, Lawrence JM, Pihoker C, Mayer-Davis EJ. Fructose intake and cardiovascular risk factors in youth with type 1 diabetes: SEARCH for diabetes in youth study. *Diabetes Res Clin Pract*. 2013 Mar 26. pii: S0168-8227(13)00091-0. doi: 10.1016/j.diabres.2013.03.013. PMID: 23540682
- Earnest CP, Johannsen NM, Swift DL, Lavie CJ, **Blair SN**, Church TS. Dose Effect of Cardiorespiratory Exercise on Metabolic Syndrome in Postmenopausal Women. *Am J Cardiol*. 2013 Apr 8. doi:pil: S0002-9149(13)00640-1. 10.1016/j.amjcard.2013.02.037. PMID: 23578351
- Guinn CH, **Baxter SD**, Royer JA, Hitchcock DB. Explaining the Positive Relationship Between Fourth-Grade Children's Body Mass Index and Energy Intake at School-Provided Meals (Breakfast and Lunch). *J Sch Health*. 2013 May;83(5):328-34. doi: 10.1111/josh.12035. PMID: 23517000
- Jackson AS, Sui X, O'Connor DP, Church TS, Lee DC, Artero EG, **Blair SN**. Longitudinal cardiorespiratory fitness algorithms for clinical settings. *Am J Prev Med*. 2012 Nov;43(5):512-9. doi: 10.1016/j.amepre.2012.06.032. PMID: 23079174
- Jukic AM, Lawlor DA, Juhl M, Owe KM, Lewis B, **Liu J**, Wilcox AJ, Longnecker MP. Physical activity during pregnancy and language development in the offspring. *Paediatr Perinat Epidemiol*. 2013 May;27(3):283-93. doi: 10.1111/ppe.12046. PMID: 23574417
- Lee IM, Bauman AE, **Blair SN**, Heath GW, Kohl HW, Pratt M, Hallal PC. Annual deaths attributable to physical inactivity: whither the missing 2 million? *The Lancet*,2013;381:992-3.
- Ma Y, **Hébert JR**, Manson JE, Balasubramanian R, Liu S, Lamonte MJ, Bird CE, Ockene JK, Qiao Y, Olendzki B, Schneider KL, Rosal MC, Sepavich DM, Wactawski-Wende J, Stefanick ML, Phillips LS, Ockene IS, Kaplan RC, Sarto GE, Garcia L, Howard BV. Determinants of racial/ethnic disparities in incidence of diabetes in postmenopausal women in the U.S.: The Women's Health Initiative 1993-2009. *Diabetes Care*. 2012 Nov;35(11):2226-34. doi: 10.2337/dc12-0412. PMID: 22833490

- Mitchell JA, **Pate RR**, España-Romero V, O'Neill JR, Dowda M, Nader PR. Moderate-To-vigorous physical activity is associated with decreases in body mass index from ages 9 to 15 years. *Obesity (Silver Spring)*. 2013 Mar;21(3):E280-93. doi: 10.1002/oby.20118. PMID: 23592682
- Osman A, **Walsemann KM**. Ethnic disparities in disability among middle-aged and older israeli adults: the role of socioeconomic disadvantage and traumatic life events. *J Aging Health*. 2013 Apr;25(3):510-31. doi: 10.1177/0898264313478653. PMID: 23533141
- Pate RR**, Daniels S. Institute of Medicine report on fitness measures and health outcomes in youth. *JAMA Pediatr*. 2013 Mar 1;167(3):221-2. doi: 10.1001/jamapediatrics.2013.1464. PMID: 23358923
- Pettitt DJ, Talton JW, **Liese AD**, Liu LL, Crimmins N, West NA, D' Agostino RB Jr, Kahn HS; SEARCH for Diabetes in Youth Study Group. Comparison of two waist circumference measurement protocols: the SEARCH for diabetes in youth study. *Pediatr Obes*. 2012 Dec;7(6):e81-5. doi: 10.1111/j.2047-6310.2012.00088.x. PMID: 22991230
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- Sieverdes JC, Wickel EE, Hand GA, Bergamin M, **Moran RR, Blair SN**. Reliability and validity of the Mywellness Key physical activity monitor. *Clin Epidemiol*. 2013;5:13-20.
- Shapiro CJ**. Behavioral kernels and brief interventions: teaching parents effective behavior management strategies. *N C Med J*. 2013 Jan-Feb;74(1):57-9. PMID: 2353038
- Szklo AS, **Thrasher JF**, Perez C, Figueiredo VC, Fong G, Almeida LM. Understanding the relationship between socioeconomic status, smoking cessation services provided by the health system and smoking cessation behavior in Brazil. *Cad Saude Publica*. 2013 Mar;29(3):485-95. PMID: 23532284
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