

CENTER FOR RESEARCH IN  
**NUTRITION AND HEALTH DISPARITIES**  
UNIVERSITY OF SOUTH CAROLINA

November 2013 Newsletter

**Nutrition Center Affiliates in the News!**

**Recently funded studies include:**

**Study Title, Amount:** "Maternal Methylmercury Exposure through Rice Ingestion and Offspring Development, Preliminary Study," \$394,974

**Principal Investigator:** Dr. **Sarah Rothenberg**  
**Agency:** National Institutes of Health

**Study Title, Amount:** "Evaluating geographical accessibility of health services and facilities among women with and without gestational diabetes," \$19,970

**Principal Investigator:** Dr. **Jihong Liu**, Department of Epidemiology and Biostatistics  
**Agency:** USC Office of the Provost, Social Science Program

**Study Title, Amount:** "Developing and Pilot Testing Agent-Mediated Social Networks for Modeling Healthy Behaviors," \$29,625

**Principal Investigator:** Dr. **Brie Turner-McGrievy**, Department of Health Promotion, Education, and Behavior

**Study Title, Amount:** "Dietary Contributions to Inflammation in Youth with Type I Diabetes: Which dietary guideline is best?," \$10,000

**Principal Investigator:** Dr. **Angela Liese**, Department of Epidemiology and Biostatistics  
**Agency:** USC School of Medicine, Centers of Biomedical Research Excellence (COBRE)

**Study Title, Amount:** "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," \$14,797

**Principal Investigator:** Dr. **Christine Blake**, Department of Health Promotion, Education, and Behavior  
**Agency:** USC Office of Vice President of Research

**Proposal Title, Amount:** "Positioning USC for National Prominence in Food Security and Food Access Research," \$99,969

**Principal Investigator:** Dr. **Angela Liese**, Department of Epidemiology and Biostatistics  
**Agency:** USC Office of Vice President for Research

**Proposal Title, Amount:** "Snacking in Young Children: Parental Definitions, Goals, and Feeding Practices," \$62,581

**Principal Investigator:** Dr. **Christine Blake**, Department of Health Promotion, Education, and Behavior  
**Agency:** Temple University

**Study Title, Amount:** "Relation between fasting plasma glucose, insulin and periodontal microorganisms," \$3,000

**Principal Investigator:** Dr. **Anwar Merchant**, Department of Epidemiology and Biostatistics



**Center's scholars receive more than \$1 million in recent grants**

The awards come as the Center is celebrating its 10th anniversary and a change in leadership.

Dr. **Angela Liese**, a professor in the Department of Epidemiology and Biostatistics, has served as director since 2008. Liese recently received an ASPIRE-II grant, which is intended to establish USC as a national thought-leader in policy relevant research on childhood food security and food access. Liese has served as director of the Center for Research in Nutrition and Health Disparities since 2008. Dr. Sonya Jones recently was named the center's director; Liese is leading an ASPIRE-II grant (Advanced Support Program for Integration of Research Excellence-II), funded by the USC Vice President's Office for Research to support research involving at least two or more colleges/schools at the University.

Dr. **Sonya Jones**, recently appointed director of the Center for Research in Nutrition and Health Disparities, said the grants represent the growing influence of the Center and the work of its affiliated scholars.

## OTHER AFFILIATE NEWS

### Brie Turner-McGrievy on Obesity Society Workshop Committee

Dr. **Brie Turner-McGrievy** is on the planning committee for the preconference workshop, "Mobile Health Boot Camp for Pediatric Obesity." The Nov. 12 workshop in Atlanta is being held in conjunction with ObesityWeek 2013, the inaugural scientific and educational conference for obesity health care professionals.

The workshop will focus on the use of mobile health (mHealth) for the prevention and treatment of pediatric obesity. To learn more about ObesityWeek, visit <http://asmbs.org/2011/06/obesity-week-2013/>

### Global Health Initiatives

The Arnold School of Public Health is developing a Web presence on our global health initiatives. We are seeking information about faculty research, education and outreach programs; student awards and research on the subject of global health, as well as study abroad and volunteer participation; and other success stories, including those from alumni. Please email Karen Petit, [kpetit@mailbox.sc.edu](mailto:kpetit@mailbox.sc.edu), to share your information.

Nutrition Center Affiliate Scholars that are involved in international research include:

Dr. **Sarah Rothenberg**, Department of Environmental Health Sciences; Drs. **Steve Blair** (also Exercise Science), **Nancy Fleischer**, **James Hébert**, **Angela Liese**, **Jihong Liu**, **Anwar Merchant** and **Myriam Torres**, Department of Epidemiology and Biostatistics; Drs. **Mark Davis** and **Russell Pate**, Department of Exercise Science; Drs. **Edward Frongillo** and **Jim Thrasher**, Department of Health Promotion, Education, and Behavior, and Dr. **Jan Probst**, Department of Health Services Policy and Management.

### Prevention Research Center: 20 years of achievement!

When Dr. **Patricia Sharpe** recently received a prestigious RO1 grant from the National Institutes of Health to fund a study on food deserts in two S.C. communities, the award became one more achievement in the 20-year history of the Prevention Research Center at the Arnold School of Public Health. Its founding as one of the CDC's first PRC programs has ushered in an era of success in translating research results into real-world programs and public health practice and policy, said Dr. **Sara Wilcox**, the fourth director to lead the Arnold School's PRC.

### Upcoming Meetings and Events

#### **Nutrition Center Capacity Building Meeting**

Meeting Time: 9:30am- 10:30am

Location: PHRC Room 519 (conference room)

Meeting Topic: New Faculty Hires

Meeting Facilitators: Christine Blake and Rachel Davis

Refreshments: Colombian snack (courtesy of Miriam Torres)



The Obesity Society (TOS) has selected Dr. **Steven Blair**, a professor in the Departments of Exercise Science and Epidemiology and Biostatistics at the Arnold School of Public Health, as the recipient of its Mickey Stunkard Lifetime Achievement Award.

This award recognizes Blair who, like Dr. Albert (Mickey) Stunkard, has made a lifetime of outstanding contributions to the field of obesity through scholarship, mentorship and education. The awards ceremony takes place at Obesity Week, Nov. 11 – 16.

# Did You Know?



The Nutrition Center's podcasts have been downloaded more than 4,160 times from iTunes University? These podcasts include talks from the Nutrition Center's seminar series and symposiums. Access our podcasts through iTunes University by following the "Center for Research in Nutrition and Health Disparities". You can download iTunes University by following this link or through the app store on a mobile device <http://itunes.apple.com/us/app/itunes-u/id490217893?ls=1&mt=8>.

## New Grant Funding Opportunities:

### NIH:

- **PAR-13-375**  
Nutrigenetics and Nutrigenomics Approaches for Nutrition Research (R01)  
<http://grants.nih.gov/grants/guide/pa-files/PAR-13-375.html> (Due Dates: March 20, 2014; March 19, 2015; March 22, 2016)
- **RFA-OD-13-011**  
Tobacco Control Regulatory Research (R01)  
<http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-13-011.html> (Due Dates: January 15, 2014; June 17, 2014, January 16, 2015)  
**Related opportunities:**  
Tobacco Control Regulatory Research (R03) [RFA-OD-13-012](#)  
Tobacco Control Regulatory Research (R21) [RFA-OD-13-010](#)

### NSF:

- **Solicitation 13-543**  
Smart and Connected Health (SCH)  
<http://www.nsf.gov/pubs/2013/nsf13543/nsf13543.htm#prep> (Due Dates: Annually in October and December)
- **Solicitation 12-614**  
Interdisciplinary Behavioral and Social Science Research (IBSS)  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504832](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504832) (Due December 3, 2013)

### RWJF:

- **Health Policy Fellows**  
[http://www.healthpolicyfellows.org/fellowship\\_howtoapply.php](http://www.healthpolicyfellows.org/fellowship_howtoapply.php) (Due November 13, 2013)

### USDA:

- **USDA-NIFA-AFRI-004368**  
AFRI NIFA Fellowships Grant Program  
National Institute of Food and Agriculture — Department of Agriculture  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=245873> (LOI Due December 12, 2013, Final Due Feb 20, 2014)

If you would like submission assistance with the above announcements, or any others, please contact Susan Klie at [sklie@mailbox.sc.edu](mailto:sklie@mailbox.sc.edu) or 777-6363.

**Nutrition Center Affiliated Scholars Recent Publications:**  
(alphabetical order, by first author; no ePubs before print)

Baruth M, **Wilcox S**. Multiple behavior change among church members taking part in the faith, activity, and nutrition program. *J Nutr Educ Behav*. 2013 Sep-Oct;45(5):428-34. doi: 10.1016/j.jneb.2013.03.002. Epub 2013 Jun 13. PMID:23769297 | PMCID:PMC3770824

Baruth M, **Wilcox S**, Schoffman DE, Becofsky K. Factors associated with disability in a sample of adults with arthritis. *Disabil Health J*. 2013 Oct;6(4):377-84. doi: 10.1016/j.dhjo.2013.04.008. Epub 2013 Jun 12. PMID:24060261

Becofsky K, Baruth M, **Wilcox S**. Physical functioning, perceived disability, and depressive symptoms in adults with arthritis. *Arthritis*. 2013;2013:525761. doi: 10.1155/2013/525761. Epub 2013 Sep 5. PMID:24093063 | PMCID:PMC377208

**Beets MW**, Huberty J, Beighle A. Systematic observation of physical activity in afterschool programs: preliminary findings from movin' afterschool intervention. *J Phys Act Health*. 2013 Sep;10(7):974-81. Epub 2012 Nov 5. PMID:23132829

**Blake CE, Bell BA**, Freedman DA, Colabianchi N, **Liese AD**. The Eating Identity Type Inventory (EITI). Development and associations with diet. *Appetite*. 2013 Oct;69:15-22. doi: 10.1016/j.appet.2013.05.008. Epub 2013 May 20. PMID:23702262 | PMCID:PMC3746737

Cai B, Lawson AB, Hossain M, Choi J, Kirby RS, **Liu J**. Bayesian semiparametric model with spatially-temporally varying coefficients selection. *Stat Med*. 2013 Sep 20;32(21):3670-85. doi: 10.1002/sim.5789. Epub 2013 Mar 25. PMID:23526312 | PMCID:PMC3744634

**Hébert JR**, Wirth M, Davis L, Davis B, Harmon BE, Hurley TG, Drayton R, Angela Murphy E, Shivappa N, **Wilcox S**, **Adams SA**, Brandt HM, **Blake CE**, Armstead CA, **Steck SE**, **Blair SN**. C-reactive protein levels in african americans: a diet and lifestyle randomized community trial. *Am J Prev Med*. 2013 Oct;45(4):430-40. doi: 10.1016/j.amepre.2013.05.011. PMID:24050419 | PMCID:PMC3779347

Henderson VP, Massion AO, Clemow L, Hurley TG, Druker S, **Hébert JR**. A randomized controlled trial of mindfulness-based stress reduction for women with early-stage breast cancer receiving radiotherapy. *Integr Cancer Ther*. 2013 Sep;12(5):404-13. doi: 10.1177/1534735412473640. Epub 2013 Jan 28. PMID:23362338 | PMCID:PMC3758444

Huberty J, Dinkel D, **Beets MW**, Coleman J. Describing the use of the internet for health, physical activity, and nutrition information in pregnant women. *Matern Child Health J*. 2013 Oct;17(8):1363-72. doi: 10.1007/s10995-012-1160-2. PMID:23090284

Huberty J, **Beets M**, Beighle A. Effects of a Policy-Level Intervention on Children's Pedometer-Determined Physical Activity: Preliminary Findings From Movin' Afterschool. *J Public Health Manag Pract*. 2013 Nov-Dec;19(6):525-8. doi: 10.1097/PHH.0b013e31829465fa. PMID:23676476

Jilcott Pitts SB, Edwards MB, **Moore JB**, Shores KA, Drowatzky Dubose K, McGranahan D. Obesity is inversely associated with natural amenities and recreation facilities per capita. *J Phys Act Health*. 2013 Sep;10(7):1032-8. PMID:24051536

Johannsen NM, Swift DL, Lavie CJ, Earnest CP, **Blair SN**, Church TS. Categorical Analysis of the Impact of Aerobic and Resistance Exercise Training, Alone and in Combination, on Cardiorespiratory Fitness Levels in Patients With Type 2 Diabetes: Results from the HART-D study. *Diabetes Care*. 2013 Oct;36(10):3305-12. doi: 10.2337/dc12-2194. Epub 2013 Jul 22. PMID:23877979 | PMCID:PMC3781553

Lamichhane AP, Warren J, Puett R, Porter DE, Bottai M, Mayer-Davis EJ, **Liese AD**. Spatial patterning of supermarkets and fast food outlets with respect to neighborhood characteristics. *Health Place*. 2013 Sep;23:157-64. doi: 10.1016/j.healthplace.2013.07.002. Epub 2013 Jul 16. PMID:23933445

Li L, Borland R, Fong GT, **Thrasher JF**, Hammond D, Cummings KM. Impact of point-of-sale tobacco display bans: findings from the International Tobacco Control Four Country Survey. *Health Educ Res.* 2013 Oct;28(5):898-910. doi: 10.1093/her/cyt058. Epub 2013 May 2. PMID:23640986 | PMCID:PMC3772332

**Liese AD**, Barnes TL, Lamichhane AP, **Hibbert JD**, Colabianchi N, Lawson AB. Characterizing the food retail environment: impact of count, type, and geospatial error in 2 secondary data sources. *J Nutr Educ Behav.* 2013 Sep-Oct;45(5):435-42. doi: 10.1016/j.jneb.2013.01.021. Epub 2013 Apr 11. PMID:23582231 | PMCID:PMC3713101

**Liu J**, Sui X, Lavie CJ, **Hébert JR**, Earnest CP, Zhang J, **Blair SN**. Association of coffee consumption with all-cause and cardiovascular disease mortality. *Mayo Clin Proc.* 2013 Oct;88(10):1066-74. doi: 10.1016/j.mayocp.2013.06.020. Epub 2013 Aug 15. PMID:23953850

McCracken JL, Friedman DB, Brandt HM, **Adams SA**, Xirasagar S, Ureda JR, Mayo RM, Comer K, Evans M, Fedrick D, Talley J, Broderick M, **Hébert JR**. Findings from the Community Health Intervention Program in South Carolina: implications for reducing cancer-related health disparities. *J Cancer Educ.* 2013 Sep;28(3):412-9. doi: 10.1007/s13187-013-0479-8. PMID:23645547 | PMCID:PMC3755099

Moliner-Urdiales D, Artero EG, Lee DC, España-Romero V, Sui X, **Blair SN**. Body adiposity index and all-cause and cardiovascular disease mortality in men. *Obesity (Silver Spring).* 2013 Sep;21(9):1870-6. doi: 10.1002/oby.20399. Epub 2013 May 29. PMID:23512375 | PMCID:PMC3695010

**Moore JB**, **Beets MW**, **Barr-Anderson DJ**, Evenson KR. Sedentary time and vigorous physical activity are independently associated with cardiorespiratory fitness in middle school youth. *J Sports Sci.* 2013 Oct;31(14):1520-5. doi: 10.1080/02640414.2013.793378. Epub 2013 May 28. PMID:23713515

Mottl AK, Lauer A, Dabelea D, Maahs DM, D'Agostino RB Jr, Dolan LM, Gilliam LK, Lawrence JM, Rodriguez B, Marcovina SM, Imperatore G, Kanakatti Shankar R, Afkarian M, Reynolds K, **Liese AD**, Mauer M, Mayer-Davis EJ; SEARCH for Diabetes in Youth Study Group. Albuminuria according to status of autoimmunity and insulin sensitivity among youth with type 1 and type 2 diabetes. *Diabetes Care.* 2013 Nov;36(11):3633-8. doi: 10.2337/dc13-0568. Epub 2013 Jul 11. PMID:23846811

Patel K, Sui X, Zhang Y, Fonarow GC, Aban IB, Brown CJ, Bittner V, Kitzman DW, Allman RM, Banach M, Aronow WS, Anker SD, **Blair SN**, Ahmed A. Prevention of heart failure in older adults may require higher levels of physical activity than needed for other cardiovascular events. *Int J Cardiol.* 2013 Oct 3;168(3):1905-9. doi: 10.1016/j.ijcard.2012.12.053. Epub 2013 Feb 4. PMID:23380700

Pitts SB, Carr LJ, Brinkley J, Byrd JL 3rd, Crawford T, **Moore JB**. Associations between neighborhood amenity density and health indicators among rural and urban youth. *Am J Health Promot.* 2013 Sep-Oct;28(1):e40-3. doi: 10.4278/ajhp.120711-ARB-342. Epub 2013 Apr 30. PMID:23631452

Pumkam C, **Probst JC**, Bennett KJ, Hardin J, Xirasagar S. Health care expenditures among working-age adults with physical disabilities: Variations by disability spans. *Disabil Health J.* 2013 Oct;6(4):287-96. doi: 10.1016/j.dhjo.2013.03.002. Epub 2013 Apr 23. PMID:24060251

**Rothenberg SE**, Yu X, Zhang Y. Prenatal methylmercury exposure through maternal rice ingestion: insights from a feasibility pilot in Guizhou Province, China. *Environ Pollut.* 2013 Sep;180:291-8. doi: 10.1016/j.envpol.2013.05.037. Epub 2013 Jun 22. PMID:23800416

Schoffman DE, **Turner-McGrievy G**, **Jones SJ**, **Wilcox S**. Mobile apps for pediatric obesity prevention and treatment, healthy eating, and physical activity promotion: just fun and games? *Transl Behav Med.* 2013 Sep;3(3):320-5. doi: 10.1007/s13142-013-0206-3. PMID:24073184 | PMCID:PMC3771006

Snyder FJ, Acock AC, Vuchinich S, **Beets MW**, Washburn IJ, Flay BR. Preventing negative behaviors among elementary-school students through enhancing students' social-emotional and character development. *Am J Health Promot.* 2013 Sep-Oct;28(1):50-8. doi: 10.4278/ajhp.120419-QUAN-207.2. Epub 2013 Mar 7. PMID:23470183 | PMCID:PMC3766436

St George SM, **Wilson DK**, Schneider EM, Alia KA. Project SHINE: Effects of Parent-Adolescent Communication on Sedentary Behavior in African American Adolescents. *J Pediatr Psychol*. 2013 Oct;38(9):997-1009. doi: 10.1093/jpepsy/jst027. 2013 May 17. PMID:23685450 | PMCID:PMC3785219

Thomas TL, Owens OL, Friedman DB, **Torres ME, Hébert JR**. Written and spoken narratives about health and cancer decision making: a novel application of photovoice. *Health Promot Pract*. 2013 Nov;14(6):833-40. doi: 10.1177/1524839912465749. Epub 2012 Nov 20. PMID:23171652 | PMCID:PMC3580129

**Turner-McGrievy GM**, Tate DF. Weight loss social support in 140 characters or less: use of an online social network in a remotely delivered weight loss intervention. *Transl Behav Med*. 2013 Sep;3(3):287-94. doi: 10.1007/s13142-012-0183-y. PMID:24073180 | PMCID:PMC3771014

**Wilcox S**, Altpeter M, Anderson LA, Belza B, Bryant L, Jones DL, Leith KH, Phelan EA, Satariano WA. The healthy aging research network: resources for building capacity for public health and aging practice. *Am J Health Promot*. 2013 Sep-Oct;28(1):2-6. doi: 10.4278/ajhp.121116-CIT-564. PMID:24000962

Youmans E, **Burch J, Moran R**, Smith L, Duffus WA. Disease Progression and Characteristics of HIV-infected Women With and Without a History of Criminal Justice Involvement. *AIDS Behav*. 2013 Oct;17(8):2644-53. doi: 10.1007/s10461-011-0057-1. PMID:21983697

Zhang Q, **Jones S**, Ruhm CJ, Andrews M. Higher Food Prices May Threaten Food Security Status among American Low-Income Households with Children. *J Nutr*. 2013 Oct;143(10):1659-65. doi: 10.3945/jn.112.170506. Epub 2013 Aug 14. PMID:23946342