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UNIVERSITY OF
SOUTH CAROLINA
Center for Research in Nutrition and Health Disparities

Newsletter: May Edition

Enhanced nutrition and health disparities research synergy

Nutrition Center News

Upcoming Visit from USDA Administrator



On Friday, May 23 the Center for Research in Nutrition and Health Disparities at the University of South Carolina will host USDA administrator [Audrey Rowe](#).

Rowe is the Administrator for the [Food and Nutrition Service \(FNS\)](#) at the U.S. Department of Agriculture (USDA) in Washington, D.C. FNS provides children and families in need with better access to food and a more healthful diet through its 15 nutrition assistance programs and nutrition education efforts.

This event will focus on eating a healthy, balanced diet; improving food security through federal nutrition programs; developing effective messaging to improve reach for federal nutrition programs; and a variety of other topics including community organizing to improve access to healthier food systems, and issues related to state and federal policies.

This event will take place from 10:00am - 12:30pm at the Columbia Metropolitan Convention Center.

Click the link to register for the event:

<http://www.eventbrite.com/e/ensuring-food-security-and-healthy-weight-promising-policies-and-practices-tickets-11428507975>

In this Newsletter:

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Upcoming Grant Opportunities

NIH

Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R01)

<http://grants.nih.gov/grants/guide/pa-files/PA-14-177.html>

Application Due Date(s) : June 5, October 5 (standard)

Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R21)

<http://grants.nih.gov/grants/guide/pa-files/PA-14-176.html>

Application Due Date(s) : June 16, October 16 (standard)

School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes (R03)

<http://grants.nih.gov/grants/guide/pa-files/PA-13-099.html>

Application Due Date(s) : June 16, 2014

Innovative Programs to Enhance Research Training (IPERT) (R25)

<http://grants.nih.gov/grants/guide/pa-files/PAR-14-170.html>

Application Due Date(s) : June 9, 2014; January 25, 2015; January 25, 2016

William T. Grant Foundation

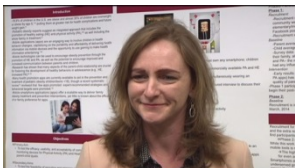
William T. Grant Scholars Program

http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t_grant_scholars

Application Due Date: July 9, 2014

Nutrition Center Affiliates in the Media!

Recent Features of our Affiliates



Dr. **Sonya Jones**, Director of the Center for Research in Nutrition and Health Disparities, and the Nutrition Center's Annual Symposium was recently featured on WSPA-TV. Click [here](#) to see the interview.

Dr. **James R. Hébert**, director of the Cancer Prevention and Control Program (CPCP) at the Arnold School, was a guest speaker for the March 24 "Chefs on the 'Shoe!" The event, established in 2012, honors the memory of USC McCutchen House Chef Jules Pernel and raises funds for scholarships for USC's School of Hospitality, Retail and Tourism Management. For more information click [here](#).

Dr. **Andrew Kaczynski** is leading a study to examine park distribution across Greenville County. To read more, click [here](#).

Dr. **Russell Pate** is featured in an article about the benefit of light physical activity during the workday. Click [here](#) to read the article.

Dr. **Jan Probst**, director of the S.C. Rural Health Research Center, was a featured guest on a program produced by Carolina Business Review, which aired on Educational TV. The program, titled "Mental Health Policy in the Carolinas," aired in two parts, with the first being March 27 and April 3. If you missed either of the programs, click to find [Part I](#) and [Part II](#).

Dr. **Patricia Sharpe** featured in NCCOR annual report audio. Sharpe's study,

recently funded by a \$2.1 million grant by the National Institutes of Health, is focusing on food shopping behaviors and access to food in Spartanburg and Florence in an effort to better understand how the community environment impacts food choices, access and health. The annual report of the National Collaborative on Childhood Obesity features a study by Dr. Patricia Sharpe of the Prevention Research Center. Click [here](#), then click on the "Increasing knowledge to find solutions" link to hear the audio.

Dr. **Brie Turner-McGrievy** is featured in an article about the benefits of a no-grain diet. Click [here](#) to read the article.

Nutrition Center Events

The last seminar of the semester

Join us for the final seminar this semester on Friday, May 2!

Two graduate students will present their research on using technology in health and nutrition, followed by a moderated discussion on this topic.

Rejin James, graduate student in Computer Science and Engineering
An Application for Keeping Track in Food Item Expiration

Food, honestly, is too precious to waste. Food wastage is a very serious issue prevalent in the world today. American households alone throw out an equivalent of \$165 billion worth of food each year. People often forget to consume food they purchased before the expiration date; or sometimes they over-purchase food, then throw them away. Hence, this thesis aims to prevent food wastage with the help of a smart phone application that helps keep track of food item expiration dates and gives you notification alerts when it is about to expire. It implements a barcode scanner for automatic product name discovery as well as optical character recognition (OCR) for automatic food expiration discovery.

Danielle Schoffman, graduate student, Health Promotion, Education and Behavior
Apps for Family Obesity Treatment and Prevention

Mobile smartphone applications (apps) offer a scalable way to deliver family obesity treatment and prevention interventions, yet little is known about the efficacy of or family preference for apps. The aim of the present study is to test the efficacy, usability, and acceptability of commercial apps and mobile monitoring devices for Physical Activity (PA) and Healthy Eating (HE) with parent-child dyads. Using a two phase design, parent-child dyads are enrolled in a 4-week mobile intervention to test a set of apps and monitoring devices, then share their experiences and preferences during a post-program structured interview. Elements of the study design, including participant recruitment, measurement of outcomes, and preliminary results will be discussed.

Friday, May 2, 2014

PLEASE NOTE - room change

Discovery I, Community Engagement Room 331
2:00 - 3:00pm

Recent Nutrition Center Grants

Dr. **Angela Liese** was awarded an ASPIRE I grant entitled *Provider access, glycemic control and metabolic health in youth with diabetes: Does it matter where you live?* (\$14,995).

Dr. **Brie Turner-McGrievy** was awarded an ASPIRE I grant entitled *Refining and Pilot Testing Social Networks for Encouraging Healthy Behaviors: The Social Pounds Off Digitally (Social POD) study* (\$14,995).

Nutrition Center Affiliated Scholars Recent Publications

(alphabetical order, by first author; no ePubs before print)

Cuenca-García M, Artero EG, Sui X, Lee DC, **Hébert JR**, **Blair SN**. Dietary indices, cardiovascular risk factors and mortality in middle-aged adults: findings from the Aerobics Center Longitudinal Study. *Ann Epidemiol*. 2014 Apr;24(4):297-303.e2. doi: 10.1016/j.annepidem.2014.01.007. Epub 2014 Jan 24. PMID:24529647

Fleischer NL, Merialdi M, van Donkelaar A, Vadillo-Ortega F, Martin RV, Betran AP, Souza JP. Outdoor air pollution, preterm birth, and low birth weight: analysis of the world health organization global survey on maternal and perinatal health. *Environ Health Perspect*. 2014 Apr;122(4):425-30. doi: 0.1289/ehp.1306837. Epub 2014 Feb 4. PMID:24508912

Greiner KA, Friedman DB, **Adams SA**, Gwede CK, Cupertino P, Engelman KK, Meade CD, **Hébert JR**. Effective recruitment strategies and community-based participatory research: community networks the program centers' recruitment in cancer prevention studies. *Cancer Epidemiol Biomarkers Prev*. 2014 Mar;23(3):416-23. doi: 10.1158/1055-9965.EPI-13-0760. PMID:24609851 | PMCID:PMC3971731

Harmon BE, **Blake CE**, **Thrasher JF**, **Hébert JR**. An evaluation of diet and physical activity messaging in african american churches. *Health Educ Behav*. 2014 Apr;41(2):216-24. doi: 10.1177/1090198113507449. Epub 2013 Nov 6. PMID:24195841 | PMCID:PMC3967747

Ko LK, **Turner-McGrievy GM**, Campbell MK. Information processing versus social cognitive mediators of weight loss in a podcast-delivered health intervention. *Health Educ Behav*. 2014 Apr;41(2):197-206. doi: 10.1177/1090198113504413. Epub 2013 Sep 30. PMID:24082027

Mitchell J, **Probst J**, Brock-Martin A, Bennett K, **Glover S**, Hardin J. Association between clinical decision support system use and rural quality disparities in the treatment of pneumonia. *J Rural Health*. 2014 Apr;30(2):186-95. doi: 10.1111/jrh.12043. Epub 2013 Aug 12. PMID:24689543

Moore JB, **Beets MW**, Morris SF, Kolbe MB. Comparison of objectively measured physical activity levels of rural, suburban, and urban youth. *Am J Prev Med*. 2014 Mar;46(3):289-92. doi: 10.1016/j.amepre.2013.11.001. PMID:24512868

Ritchey J, Zhang H, Karmaus W, **Steck SE**, Sabo-Attwood T. Linearity assessment methods for sex steroid hormones and carrier proteins among men in the National Health and Nutrition Examination Survey (NHANES III). *Steroids*. 2014 Apr;82:23-8. doi: 10.1016/j.steroids.2013.12.006. Epub 2014 Jan 9. PMID:24412759

Rousu MC, **Thrasher JF**. Examining the relationship between psychosocial and behavioral proxies for future consumption behavior: self-reported impact and bidding behavior in an experimental auction study on cigarette labeling. *Health Educ Res*. 2014 Apr;29(2):183-94. doi: 10.1093/her/cyt114. Epub 2014 Jan 7. PMID:24399267 | PMCID:PMC3959201

Saunders RP, Wilcox S, Baruth M, Dowda M. Process evaluation methods, implementation fidelity results and relationship to physical activity and healthy eating in the Faith, Activity, and Nutrition (FAN) study. *Eval Program Plann.* 2014 Apr; 43:93-102. doi: 10.1016/j.evalprogplan.2013.11.003. Epub 2013 Dec 10. PMID: 24394548

Schuller K, **Probst J**, Hardin J, Bennett K, Martin A. Initial impact of Medicare's nonpayment policy on catheter-associated urinary tract infections by hospital characteristics. *Health Policy.* 2014 Apr; 115(2-3): 165-71. doi: 10.1016/j.healthpol.2013.11.013. Epub 2013 Dec 5. PMID: 24361201

Steck SE, Butler LM, Keku T, Antwi S, Galanko J, Sandler RS, Hu JJ. Nucleotide excision repair gene polymorphisms, meat intake and colon cancer risk. *Mutat Res.* 2014 Apr; 762:24-31. doi: 10.1016/j.mrfmmm.2014.02.004. Epub 2014 Mar 7. PMID: 24607854

Thompson B, **Hébert JR**. Involving disparate populations in clinical trials and biobanking protocols: experiences from the community network program centers. *Cancer Epidemiol Biomarkers Prev.* 2014 Mar; 23(3): 370-3. doi: 10.1158/1055-9965.EPI-14-0118. No abstract available. PMID: 24609845

Turner-McGrievy GM, Tate DF. Are we sure that Mobile Health is really mobile? An examination of mobile device use during two remotely-delivered weight loss interventions. *Int J Med Inform.* 2014 May; 83(5): 313-9. doi: 10.1016/j.ijmedinf.2014.01.002. Epub 2014 Feb 2. PMID: 24556530

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