



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

**A seminar about mobile technologies in health
presented by:**

**Rejin James, Masters candidate, College of Engineering and Computing
&**

Danielle Schoffman, PhD candidate, Health Promotion, Education and Behavior

Friday, May 2, 2014

2:00 PM – 3:00 PM

[Discovery I](#), Room 331

An Application for Keeping Track of Food Item Expiration

Rejin James

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 they can have, 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.

Apps for Family Obesity Treatment and Prevention Interventions

[Danielle Schoffman](#)

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, and 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.

This is a free seminar and all faculty, staff, students, and guests are welcome to attend.

Contact Susan Klie at sklie@mailbox.sc.edu or 803-777-6363 for more information

<http://nutritioncenter.sph.sc.edu/>