TACHL was fortunate to partner with the MUSC Health Innovation Center to solicit and support app development ideas that were submitted by MUSC employees. We reviewed over 125 highly innovative ideas. Three of these ideas were ultimately selected for funding. The campaign was so successful that we hope to repeat it in future years. Special thanks go out to Catherine Flanagan, who coordinated the campaign. We are excited to begin working on the three ideas that were selected for funding:

**Dr. Aaron Lesher:** MUSC Children’s Hospital offers specialized burn treatment for patients throughout SC. Care often requires repeated dressing changes at home, leading to patient and parent anxiety as well as multiple trips to the burn clinic to assess healing and prevent complications. We will use mobile technology to improve burn care in the home by connecting patients and families with expert burn nurses and physicians at MUSC.

**Jenny Winkelmann and The MUSC Children’s Hospital Pediatric Injury Prevention Advisory Committee** will partner with TACHL to develop an MUSC app that delivers injury prevention education to new parents. The app will feature education via brief messaging that will be made available based on users’ preferred format (e.g., once-a-day texts, pushed content). The app will pave the way for a more comprehensive app that addresses a broader pediatric age range.

**Cynthia McConnell:** Overwhelmingly, the most frequently submitted ideas were wayfinding apps. Essentially, this consists of a navigation application for MUSC and its diverse visitors. TACHL will develop and integrate an app to demonstrate feasibility of a system that helps MUSC visitors find where to park, where to walk (both indoors and outdoors), engage visitors with relevant location-based content. This has high potential to boost satisfaction of visitors on the MUSC campus.

**TACHL CAPABILITIES AND RECENT PUBLICATIONS**

TACHL, COM and CON mHealth research were well represented at latest Society of Behavioral Medicine Meeting in Washington DC.


- Dr. Frank Treiber was a speaker for a symposium: *Promoting Practical Adherence Interventions at the Patient, Provider, and System Levels*. His presentation was: mHealth-enabled patient and provider-centered medical regimen adherence solutions for uncontrolled hypertension. *Annals of Behavioral Medicine*, 2016; 50(Suppl 1), S48.


**SPOTLIGHT**

Dr. Brian Bunnell, TACHL’s postdoctoral fellow in CON, was awarded an NIMH F32 grant: *Technology Based Solutions to Improve Quality of Care in Child Mental Health Treatment*. The problem he is trying to solve is a top priority in the child mental health field. Many effective treatments emphasize skill building where providers teach new skills to families and assign “homework” activities to encourage practice of these skills in the home. Child outcomes are associated with the degree to which homework activities are used and completed during treatment. This F32 grant is the first step in Dr. Bunnell’s plans to develop novel technology-based tools to strengthen families’ understanding and use of skills that are commonly taught by providers in treatment. These tools will simplify for providers the process of assigning practice exercises, and will help families track and engage in these exercises at home. His primary mentors on this award are Drs. Ken Ruggiero, Frank Treiber, and Lynne Nemeth.