WORKSHOPS (Wednesday, March 6th)

BIT SIG COURSE: Using the Insight Platform to Rapidly Create Innovative Smartphone Based Assessments and Just-in-Time Adaptive Interventions
Chair: Michael Businelle
2:30 PM to 5:00 PM

BIT-IPC SIG COURSE: Learning How to Effectively Communicate Your Science (Data Visualizations, Communicating with Traditional Media, and Using Social Media)
Chair: Jennifer Funderburk, Dani Arigo
2:30 PM to 5:00 PM

DHC WORKSHOP: Creating and Delivering a Powerful Pitch: Expanding your Arsenal of Presentation Skills
Chair: Ellen Beckjord, Danielle Blanch-Hartigan
8:30 AM to 2:15 PM

DHC WORKSHOP: Playing in the Co-designer’s Toybox-Learning, Applying, and Taking Home the Techniques
Chair: Ellen Beckjord, Amber Blackwood, Kristin McCall-Kiley
8:30 AM to 2:15 PM

DHC WORKSHOP: Creating and Delivering a Powerful Pitch: Expanding your Arsenal of Presentation Skills
Chair: Ellen Beckjord, Danielle Blanch-Hartigan
8:30 AM to 2:15 PM

DHC WORKSHOP: A Practical Guide to Creating Effective Digital Health Programs with Behavioral Science
Aline Holzwarth, Jennifer McLaughlin, Tim Horan
8:30 AM to 2:15 PM
ROUNDTABLES AND MEETINGS

Behavioral Informatics and Technology SIG presents "Tech Madness"
Breakfast Roundtable
Thursday, March 7, 7:00 to 7:50 AM

Behavioral Informatics and Technology SIG Business and Networking Meeting
Midday Meeting
Friday, March 8, 11:00 AM to 12:00 PM

SYMPOSIA

Measuring Proximal Factors Associated with Change in Weight-Related Behaviors with Advanced Technology
Chair: Rebecca Crochiere
Presenters: Kat Ross, Dani Arigo, and Rebecca Crochiere
Discussant: J. Graham Thomas
Thursday, March 7, 8:00 to 9:15 AM

Using technology to deliver mind-body interventions: Benefits, challenges, and future directions
Chair: Stephanie Sohl
Presenters: Ana-Maria Vranceanu, Jennifer Huberty, Peter Giacobbi
Discussant: Amanda Shallcross
Thursday, March 7, 8:00 to 9:15 AM

Non-Conscious Processes Regulating Physical Activity and Eating Behaviors
Chair: Jaclyn Maher
Presenters: Jaclyn Maher, David Conroy, Theresa Marteau, Pashcal Sheeran
Discussant: Alison Phillips
Thursday, March 7, 8:00 to 9:15 AM

Using Patient-Generated Data in the Electronic Health Record (EHR) to Facilitate Behavior Change: Opportunities & Challenges
Chair: Julie Wright
Presenters: Devin Mann, Sarah Chokshi, Lisa Cadmus-Bertram
Discussant: Marissa Burgermaster
Friday, March 8, 8:00 to 9:15 AM
Digital Health Council and Behavioral Informatics and Technology SIG Present:
Digital Health for Mental Health: Academia, Patients, and Industry Partnering
Toward Solutions
Chair: Danielle Blanch-Hartigan
Presenters: Danielle Blanch-Hartigan, Emil Chiauzzi, Jessica Lipschitz, and David K. Ahern
Thursday March 7, 2:15 to 3:30 PM

Novel methods of conceptualizing and assessing health habits using intensive longitudinal data
Chair: Tammy Stump
Presenters: Bonnie Spring, Yuelin Li, L. Alison Phillips
Discussant: Alex Rothman
Friday, March 8, 8:00 to 9:15 AM

Digital Health in the Wild: How Do We Help People with Mental Health Disorders Utilize Technology in their Treatment?
Chair: Emil Chiauzzi
Presenters: Emil Chiauzzi, John Torous, and Theresa Nguyen
Discussant: Chad Rethorst
Friday, March 8, 8:00 to 9:15 AM

Novel diet interventions that use self-monitoring technology for feedback: study design and evaluation considerations
Chair: Susan Schembre
Presenters: Susan Schembre, Dori Steinberg, Carol Boushey, Michelle Jospe, and Brie Turner-McGrievy
Discussant: Tanya Agurs-Collins
Friday, March 8, 8:00 to 9:15 AM

The Evolving Digital Media Landscape and its Impact on Population Health
Chair: John Allegrante
Presenters: Lorien Abrome, Victoria McCullough, Gary Bennett, and Joe Smyser
Friday, March 8, 1:00 to 2:00 PM

Aging with Technology: Importance of Technology to the Future of Geriatric Health Promotion Research and Practice
Presenters: Cam Escoffery, Stacey Miemiec, Derek Hevel, Sean Mullen
Friday, March 8, 2:15 to 3:30 PM
Connecting Behavioral Health, mHealth and Social Media through Ethics Values and Taking Action
Chair: Sherri Sheinfeld-Gorin
Presenters: Chanita Hughes-Halbert, Jessica Vitek
Friday, March 8, 2:15 to 3:30 PM

Using Ecological Momentary Assessment to Investigate Contextual Factors Impacting Affective-Response to Physical Activity
Chair: Jaclyn Maher
Presenters: Matthew Kwan, Jaclyn Maher, Amanda Staiano
Discussant: Matthew Buman
Friday, March 8, 2:15 to 3:30 PM

Social Processes in Daily Life: What Do They Mean for Women’s Weight Control Behaviors?
Chair: Kristin Heron
Presenters: Rachel MacIntyre, Tyler Mason, and Dani Arigo
Discussant: Genevieve Dunton
Saturday, March 9, 8:00 to 9:15 AM

It Would Be Fun, They Said: Co-designing a Digital Behavioral Intervention
Chair: Ellen Beckjord
Presenters: Amber Blackwood, Valerie Silfee, Renee Thomas
Saturday, March 9, 8:00 to 9:15 AM
PANEL DISCUSSIONS

Digital Health Council and Behavioral Informatics and Technology SIG Present: Interdisciplinary, Collaborative Models of Designing, Implementing, and Evaluating Digital Behavior Change Interventions
Chair: Madalina Sucala
Presenters: Donna Spruijt-Metz, Madalina Sucala, Katarzyna Wac
Thursday March 7, 1:00 to 2:00 PM

Digital Health Council and Behavioral Informatics and Technology SIG Present: Digital Health: The Year in Review
Chair: Danielle Jake-Schoffman
Presenters: Ellen Beckjord, Jessica Breland, Catherine Serio
Thursday March 7, 1:00 to 2:00 PM

Digital Health Council and Student SIG Present: Tales from the Trenches - What Is Life REALLY Like in the Private Sector?
Chair: Kate Wolin, ScD, Interactive Health
Presenters: Jylana Sheats, Chandra Osborn, PhD, Heather Patrick, Cynthia Castro Sweet, Kate Wolin
Friday March 8, 1:00 to 2:00 PM

Chair: Pei-Yun Sabrina Hsueh
Presenters: Emil Chiauzzi, Pei-Yun Sabrina Hsueh, Sherri Sheinfeld Gorin, Ashley Clayton
Friday March 8, 1:00 to 2:00 PM

Citizen Science & Patient Voice in Research: An Informatics Perspective
Presenters: Pei-Yun (Sabrina) Hsueh, Emil Chiauzzi, Carolyn Petersen, Sherri Sheinfeld Gorin, Nnamdi Ezeanochie, Julie Wright, Amy Janke, Ji-Young An, Robin Austin
Friday, March 8, 1:00 to 2:00 PM
PAPER SESSIONS

Development of a Decision-making Checklist Tool to Support Selecting Technology in Digital Health Research
Camille Nebeker, Rebecca Bartlett Ellis, John Torous
Thursday, March 7, 11:00 AM to 12:15 PM

Just-in-Time Adaptive Intervention for weight loss: Predictive accuracy, engagement and efficacy
Evan M. Forman, Stephanie P. Goldstein, Rebecca J. Crochiere, Meghan L. Butryn, Adrienne S. Juarascio, Gerald M. Martin
Thursday, March 7, 11:00 AM to 12:15 PM

Psychosocial Variables Mediate Efficacy of Exercise Video Games vs Standard Exercise: Results from Wii Heart Fitness
Presenter: Beth Bock
Thursday, March 7, 11:00 AM to 12:15 PM

Examining Variations of Digital Behavior Change Techniques for Physical Activity Using an Adaptive Intervention Design
Presenter: Nicole Brainard
Thursday, March 7, 11:00 AM to 12:15 PM

Early weight loss in a standalone mHealth intervention predicting treatment success
Michele L. Patel, Christina M. Hopkins, Gary G. Bennett
Thursday, March 7, 11:00 AM to 12:15 PM

The effect of parental technology rules on early teen social media use and sleep
Jonathan D'Angelo, Megan A. Moreno
Thursday, March 7, 11:00 AM to 12:15 PM

Behavior-tracking technology use among weight loss maintainers and regainers in the National Weight Control Registry
Stephanie P. Goldstein, Carly M. Goldstein, Dale S. Bond, Rena R. Wing, & J. Graham Thomas
Friday, March 8, 3:45 to 5:00 PM

Developing a Computer Algorithm to Automate Behavioral Coding and Analysis of Clinical Transcripts
April Idalski Carcone, Mehedi Hasan, Gwen Alexander, Ming Dong et al.
Friday, March 8, 3:45 to 5:00 PM
Applying the AI Technique of Reinforcement Learning to Optimize Obesity Treatment
Evan M. Forman, Stephanie G. Kerrigan, Meghan L. Butryn, Adrienne S. Juarascio, Stephanie M. Manasse, Santiago Ontanon
Friday, March 8, 3:45 to 5:00 PM

Momentary Changes in Affective/Physical States Differentially Predict Dietary Lapse Based on Lapse Location
Rebecca J. Crochiere, Stephanie M. Manasse, Evan M. Forman
Friday, March 8, 3:45 to 5:00 PM

Mobile Distress Screening in Cancer Patients
Philip I. Chow, Fabian Camacho, Erin Kennedy, & Wendy F. Cohn
Friday, March 8, 3:45 to 5:00 PM

The Take a Break RCT: A Gamified brief experience for low motivation smokers.
Thomas Houston
Paper Session 35: Leading The Way In Cancer Care & Prevention With Digital Health Tools
Friday, March 8, 3:45 to 5:00 PM

The Moderating Effect of Stress on the Dynamic between Daily Activity Levels and Sleep
Yue Liao, Michael Robertson, Sydney O’Connor, Genevieve Dunton
Paper Session 36: Improving Understanding Of The Interplay Between Physical Activity, Sedentary Behavior, Sleep & Wellness
Friday, March 8, 3:45 to 5:00 PM
POSTERS – WEDNESDAY, MARCH 6, 6:30 to 7:30 PM

Assessing Physical Activity among Midlife Women with CVD Risk Markers: Differences between Accelerometer Cut Point Methods
Dani Arigo, Jacqueline Mogle, Megan Brown, Savannah Roberts, Kristen Pasko, Meghan Butryn, and Danielle Symons Downs

On-line Patient Portal Use among Emerging Adults: A Cross-Sectional Survey
Julie A. Wright and Julie Volkman.

African American adult’s perspectives on apps for weight loss: high interest in culturally-tailored features
Danielle E. Jake-Schoffman, Jared M. Goetz, Jessica L. Bibeau, Molly E. Waring, Sherry L. Pagoto

An Examination Of The Relationship Between Motivation, Physical Activity And Wearable Activity Monitor Use
Ciarán P Friel, Carol E Garber, Joseph Ciccolo

Multilevel modeling of objectively measured physical activity and sleep data from overweight and obese individuals
Andrea Winne, Yue Liao, Michael C Robertson, Le A Thuan, Karen Basen-Engquist

A novel approach to modeling objectively-measured physical activity: multi-state modeling of intensive longitudinal data
Michael C Robertson, Charles Green, Yue Liao, Karen Basen-Engquist

Text messaging intervention best practices: Optimizing sign-up and retention
Sarah Cha, Michael S. Amato, Megan Jacobs, Amanda L. Graham

Systematic Literature Review of Participant Engagement in Facebook Delivered Behavioral Interventions
POSTERS – THURSDAY, MARCH 7, 6:30 to 7:30 PM

Adolescent and Parent Recommendations for News Media to Reduce Bullying
Karen Pletta, Aubrey Gower, Megan A. Moreno

Applying Ecological Momentary Assessment to a Mobile Application for Smoking Cessation: The Impact on Engagement
Kara Wiseman, Kisha Coa, Laura Vercammen, Yvonne Prutzman

Understanding news media coverage on bullying and cyberbullying
Aubrey Gower, Tracy Vaillancourt, Heather Brittain, Karen Pletta, Megan A. Moreno

Unlocking the Value of Formative Research: Informing an Effective Behavior Change Intervention for Peri-Operative Smoking and Alcohol Cessation
Nnamdi Ezeanoche, Jylana L. Sheats, Heather Cole-Lewis, Chun Wang, Jennifer Turgiss

Less sleep, more unsuccessful quit attempts? The association between sleep adequacy and quit attempts among smokers.
Annalise McDonald, Mayuko Ito Fukunaga, Angela Patterson, Greg Seward, Julie Flahive, Daniel Amante, Joseph Conigliaro, Thomas Houston

E-Cigarettes versus NRT: Differing perceptions among smokers.
Rajani S. Sadasivam, Ariana Kamberi, Daniel Amante, Jeanne Morley, Joseph Conigliaro, Thomas K. Houston

Will a machine learning algorithm increase message relevance of computer tailoring to African American smokers?
Rajani Sadasivam, Catherine Nagawa, Angela Patterson, Thomas Houston

Integrating continuous glucose monitoring and diet tracking data to ease the burden of self-monitoring in diabetes management.
Susan Schembre, Yue Liao, Rick Weiss, Ali Cinar

Factors impacting acceptability and feasibility of a digital pain assessment platform among pain patients and providers
Katrina F. Mateo, Priya Kumar, Laura Pugliese, Stan Kachnowski
POSTERS – FRIDAY, MARCH 8, 6:30 to 7:30 PM

Instagram & Body Positivity Among Female Adolescents & Young Adults
Lauren Kelly, Sara Daneshjoo, Megan A. Moreno

Acceptability of Multi-device Requirements and Tailoring in mHealth Research: Employing MTurk in Implementation Science
Frank Materia & Josh Smyth

Feasibility of a social network approach using gamification and mobile technology to increase physical activity among adults
Courtney Monroe, Marco Geraci, Gabrielle Turner-McGrievy, Sarah Edney

Key recruitment and retention strategies for a pilot web-based intervention to decrease obesity risk among minority youth
Grisselle DeFrank, Sarina Singh, Katrina F. Mateo, Laura Harrison, May May Leung

Psychosocial, behavioral, and BMI outcomes of an interactive web-based comic tool to decrease obesity risk among minority youth
May May Leung, Laura Harrison, Katrina F. Mateo, Sandra Verdaguer, Katarzyna Wyka

Usage, usability and acceptability of a web-based interactive comic tool to decrease obesity risk among urban minority youth
Laura Harrison, Marlo Dublin, Katrina F. Mateo, Sandra Verdaguer, May May Leung

A web-based tool to improve feeding and the home food environment by parents of minority youth at-risk for childhood obesity
Katrina F. Mateo, Laura Harrison, Marlo Dublin, Katarzyna Wyka, May May Leung

A home-based IoT platform for remote senior patient monitoring: A value assessment study among seniors and geriatric providers
Katrina F. Mateo, Priya Kumar, Laura Pugliese, Stan Kachnowski

The moderating effects of stress on the dynamic between daily activity levels and sleep
Yue Liao, Michael C Robertson, Sydney O'Connor, Genevieve F Dunton

Investigating the association between maternal support and children’s healthy eating using Ecological Momentary Assessment
Bridgette Do, Chih-Hsiang Yang, Nanette Lopez, Gayla Margolin, and Genevieve F. Dunton
POSTERS – SATURDAY, MARCH 9, 10:30 to 11:30 AM

Consistent self-monitoring in a commercial app-based intervention for weight loss: Results from a randomized trial
Michele L. Patel, Taylor L. Brooks, Gary G. Bennett

Do smokers use mind and body techniques? Association with quit behaviors
Julie Flahive, Bei Chang, Daniel J. Amante, Rajani Sadasivam, Thomas Houston

What did African-American smokers write to their peers? Themes derived from African-American Smokers Peer-written Smoking Cessation Messages
Catherine Nagawa, Brennan Dagle, Angela Patterson, Thomas Houston, Rajani Sadasivam
OTHER RELATED SESSIONS/PRESENTATIONS

Open Science and Behavioral Medicine: What, Why, and How Should we Engage?
Master Lecture - Friday, March 8th, 1:00 pm to 2:00 pm
Chair: Eric Hekler
Presenters: John Wilbanks, Bradford Hesse, and Abby King

Practical Steps for Increasing Openness and Reproducibility in Behavioral Medicine Research (workshop will introduce open source tools such as osf.io)
Chair: David Conroy; Presenter: Ian Sullivan (Center for Open Science)
2:30 to 5:00pm

Positive Affective Response to Exercise among Individuals Entering a Behavioral Weight Control Program
Melissa Stansbury, Delia West, Becca Krukowski, Colleen McBride, Jean Harvey
Wednesday, March 6th, 6:30pm to 7:30pm

Do Night Owls or Early Birds Enroll in a Behavioral Weight Loss Program?
Delia West, Rebecca Krukowski, Melissa Stansbury, Chelsea Larsen, Jean Harvey
Wednesday, March 6th, 6:30pm to 7:30pm

What’s in Your Pantry? The Home Food Environment and Weight Loss in a Behavioral Lifestyle Intervention
Chelsea Larsen, Delia West, Becca Krukowski, Jean Harvey
Wednesday, March 6th, 6:30pm to 7:30pm