



# Integrative Conference on Technology, Social Media, and Behavioral Health

Program Book

November 3, 2017

Friends and colleagues,

We are delighted to welcome you to our second *Integrative Conference on Technology, Social Media, and Behavioral Health*. This cross-disciplinary event provides an opportunity to bring together individuals from across the University of Pittsburgh's Schools of the Health Sciences, the Joseph M. Katz Graduate School of Business, the School of Information Sciences, UPMC, Carnegie Mellon University, area foundations, and the local health care start-up community. Starting with our National Innovation Contest, we have an exciting agenda of plenary presentations and breakout sessions that will conclude with a Networking Reception and software demonstrations on Friday afternoon. We hope our Conference will introduce you to exciting new ideas and provide an opportunity for you to create new collaborations with colleagues from across the region and nationally.

Last October, the *Journal of the American Medical Association* published a Viewpoint paper that described the central barrier to developing cost-lowering health care technology in the U.S. as the "inventor's dilemma." The authors wrote, "The inventor's dilemma is that creating a product that improves health is not enough." To succeed, the product "must also be able to generate a healthy return on investment (and) the surest way to generate (it) is to increase health care spending, not reduce it" ([\*JAMA\*. 2015;314:1447-48](#)). Among the solutions they proposed to help solve the inventor's dilemma was the use of prizes to entice creative thinkers to develop novel strategies that address this issue.

The Center for Behavioral Health and Smart Technology is delighted to host its first National Innovation Contest to solve the inventor's dilemma. Launched in July 2016, we modeled our "open innovation" Contest after the University of Pittsburgh's highly popular series of Pitt Innovation Challenges (PInCh) led by Dr. John Maier, PInCh Program Director, and supported by the University's Clinical and Translational Science Institute (CTSI). We assembled a distinguished judging panel of UPMC executives, entrepreneurs, and venture capitalists who evaluated a variety of creative short videos submitted by applicants from across the U.S., and invited those they judged most meritorious to submit brief written proposals that were then evaluated in a second judging round. We awarded \$2,500 to the inventors of the 5 submissions rated highest, and invited them to pitch their solutions to you and to our judges at the Final Round of our Contest who will select the winner that will take home an additional \$7,500. We hope you will get an opportunity to interact with our Finalists at the Conference and view their solutions at our Networking Reception.

We would like to acknowledge and thank the support provided for this Conference by a grant from the Provost's Social Science Research Initiative; to Dr. Maier and to our 27 National Innovation Contest judges; to our sponsors listed in the back of this program; and to you for spending your valuable time with us. We look forward to invigorating conversations!

The Conference Organizing Committee

*Bruce L. Rollman, MD, MPH*

*Rabikar Chatterjee, PhD*

*Dmitriy Babichenko*

*J. Jeffrey Inman, PhD, MBA*

*Lora E. Burke, PhD, MPH*

*Michael B. Spring, PhD*

	<b>3<sup>rd</sup> Integrative Conference on Technology, Social Media, and Behavioral Health</b> <b>Friday, November 3, 2017</b>		
8:00 am - 8:50 am	<b>Registration and Continental Breakfast</b> Ballroom A <i>Sponsored by UPMC Health Plan and Work Sponsors</i>		
8:50 am -10:15 am	<b>Welcome and Morning Plenary Session</b> Ballroom B		
	<p><b>Welcome:</b> <b>Bruce L. Rollman, MD, MPH</b> UPMC Endowed Professor of General Internal Medicine Professor of Medicine, Psychiatry, Biomedical Informatics, and Clinical and Translational Science Director, Center for Behavioral Health and Smart Technology University of Pittsburgh School of Medicine</p> <p><b>Welcoming Remarks:</b> <b>Rob A. Rutenbar, PhD</b> Senior Vice Chancellor for Research University of Pittsburgh</p> <p><b>Keynote Speaker:</b> <b>David Mohr, PhD</b> <i>Title of Dr. Mohr's Talk- In contact with him about this</i> Director, Center for Behavioral Intervention Technologies (CBITs) Northwestern University Feinberg School of Medicine</p> <p style="text-align: center;"><i>Dr. Mohr's Presentation is sponsored by the Clinical + Translational Science Institute</i></p>		
10:15 am - 10:30 am	<b>Coffee &amp; Tea Break</b> <i>Sponsored by Katz-UPMC Executive MBA Healthcare Program</i>		
	<b>Breakout Sessions #1</b>		
10:30 am - 11:45 am	<b>Mobile Smart Sensing</b> Ballroom A  <u>Moderator:</u> <b>John S. Maier, PhD, MD</b> Program Director, Pittsburgh Innovation Challenge (PInCh)  <u>Panelists:</u> <b>Louis-Philippe Morency, PhD</b> <i>Multimodal Behavior Sensing for Mental Health</i> Assistant Professor, Language Technology Institute Carnegie Mellon University  <b>Charles Jonassaint, PhD</b> <i>GPS Mobility Monitoring in Sickle Cell Disease</i> Assistant Professor of Medicine, and Clinical and Translational Science  <b>Carissa A. Low, PhD</b> <i>Using Smartphone and Wearable Sensors to Improve Cancer Outcomes</i> Asst. Professor of Medicine	<b>Electronic Trial Recruitment</b> Ballroom B  <u>Moderator:</u> <b>Daniel Buysse, MD</b> UPMC Endowed Professor of Sleep Medicine, Psychiatry, and Clinical and Translational Science  <u>Panelists:</u> <b>Heather Theoret Rockwell, MPW</b> <i>Pitt+Me:</i> Recruitment Facilitator, Clinical and Translational Science Institute  <b>Katelyn Collinger, MA</b> Recruitment Facilitator <b>&amp;</b> <b>Sue Clifton, MEd</b> <i>TrialSpark: Enrollment via Social Media</i> Recruitment Facilitator, Clinical and Translational Science Institute  <b>Bruce L. Rollman, MD, MPH</b> <i>Epic EMR Best Practice Alerts: Point-of-Care Patient Enrollment</i>	<b>Case Studies</b> <b>Katz Executive Healthcare MBA</b> Ballroom B  <u>Moderator:</u> <b>Carrie Leana, PhD, MBA</b> Director, Healthcare Executive MBA George H. Love Professor of Organizations and Management  <u>Panelists:</u> <b>Jerry May, PhD</b> <i>Data-based tools for tracking and predicting the quality of glycemic control in diabetic patients</i> Professor of Business Administration  <b>Peggy Liu, PhD</b> <i>Leveraging Consumer Insights on Healthy Food Choices</i> Asst. Prof of Business Administration

11:45 am - 1:00 pm	<b>Networking Lunch, All Guests</b> Ballroom A <i>Sponsored by the University of Pittsburgh School of Computing and Information</i>		
1:00 pm - 2:15 pm	<b>Afternoon Plenary Session</b> Ballroom B  Welcome: <b>Paul R. Cohen, PhD</b> Founding Dean, School of Computing and Information University of Pittsburgh  Speaker Introduction: <b>Dmitriy Babichenko</b> Professor of Practice School of Computing and Information University of Pittsburgh  Keynote Speaker <b>Jesse Schell</b> <i>Games for Health: Challenges and Opportunities</i> CEO, Schell Games Pittsburgh, PA  <i>Jesse Schell's Presentation is sponsored by the Innovation Institute</i>		
2:15 pm - 3:30 pm	<b>Breakout Sessions #2</b>		
3:30 pm - 3:45 pm	<b>Coffee &amp; Tea Break</b> <i>Sponsored by Katz-UPMC Executive MBA Healthcare Program</i>		

**Games for Health**  
Ballroom A

Moderator:  
**Dmitriy Babichenko**  
Professor of Practice  
School of Computing and Information

Panelists:  
**Jessica Hammer, PhD**  
*Improving collaboration between game designers and health researchers*  
Assistant Professor  
Human-Computer Interaction Institute  
Carnegie Mellon University

**Lorin Grieve, PharmD**  
Instructor

&

**Olufunmilola Abraham, PhD**  
Assistant Professor of Pharmacy and Therapeutics  
*Alchemy Knights (A2OTC)*  
U. Pitt School of Pharmacy

**Geoffrey Kurland, MD**  
*A Video Game to Improve Drug Adherence in Asthmatic Children*  
Professor, Pediatric Pulmonary Medicine, Allergy, and Immunology

**Artificial Intelligence for Behavioral Health**  
Ballroom B

Moderator:  
**Michael Spring, PhD**  
Associate Professor,  
School of Computing and Information

Panelists:  
**Carol Smith, MS**  
*AI for Behavioral Health: Machine Learning Demystified*  
Sr. Design Manager, IBM Watson

**James Joshi, PhD**  
*Security and Privacy in Mobile and Web-based Interventions*  
Professor, School of Computing and Information

**Chronic Disease Management**  
Gold Room

Moderator:  
**Eva Szigethy, MD PhD**  
Associate Professor of Psychiatry, Pediatrics and Medicine

Panelists:  
**Ellen Beckjord, PhD, MPH**  
*Odyssey for Chronic Disease*  
Director, Population Health Program Design & Engagement Optimization  
UPMC Health Plan

**Bambang Parmanto, PhD**  
*Modular and Adaptive mHealth for Chronic and Complex Conditions*  
Professor, School of Health and Rehabilitation Sciences

**Ji Yeon Choi RN, PhD**  
*Telerehabilitation to Engage Lung Transplant Recipients in Exercise*  
Assistant Professor,  
U. Pitt School of Nursing

3:45 pm - 4:50 pm

## Intro to the Innovation Institute

Ballroom B

Speaker Introduction: **J. Jeffrey Inman, PhD, MBA**  
Associate Dean for Research and Faculty  
Albert Wesley Frey Professor of Marketing and Professor of Business  
Administration, Marketing, and Business Economics  
Joseph M. Katz Graduate School of Business

**Carrie Leana, PhD, MBA**  
Director, Healthcare Executive MBA  
George H. Love Professor of Organizations and Management  
Professor of Business Administration, Medicine, & Public and International Affairs  
Joseph M. Katz Graduate School of Business

Speaker: **Evan Facher, PhD, MBA**  
*From Campus to Commercialization- How Pitt's Innovations Reach the Marketplace*  
Interim Director  
University of Pittsburgh Innovation Institute

Games4Health Awards Presentations

**Babs Carryer, MPM**  
Director of Education and Outreach, Innovation Institute  
University of Pittsburgh

4:50 pm - 5:00 pm

## Concluding Remarks

Ballroom B

Bruce L. Rollman, MD, MPH

5:00 pm - 6:45 pm

## Networking Wine Reception and Smart Technology Demonstrations

Ballroom A

*Sponsored by the UPMC Aging Institute*

### Table #

1. Candice L. Biernesser, LCSW, MPH      **Brite: A Suicide Prevention App for Youth**  
University of Pittsburgh School of Public Health, UPMC Western Psychiatric Institute and Clinic

Brite is a smartphone app which aims to support suicidal youth as they transition from inpatient to outpatient care.

2. Carissa Low, PhD      **DASH (Detecting Activity to Support Healing)**  
University of Pittsburgh School of Medicine

DASH is a smartphone and smartwatch intervention to increase physical activity before and after cancer surgery by prompting brief walks when prolonged sedentary bouts are detected.

3. Dana Rofey, PhD      **EmCARE**  
University of Pittsburgh Department of Psychiatry, Adolescent Medicine

EmCARE uses electronic mobile technology to connect adolescents and young adults with routine provider engagement. It is an SMS-based system for young adults presenting to the emergency department to engage them in routine primary care.

4. Mayank Goel, PhD      **FitByte: Automated Diet Monitoring using Wearable Devices**  
Abdelkareem Bedri, PhD  
Human-Computer Interaction Institute, Carnegie Mellon University

FitByte is a wearable device that uses accelerometers placed near the user's ear to detect their chewing activity. The system then uses signal processing and machine learning to infer the exact times of the day when user eats their snacks and meals, and aids the user in maintaining an accurate diary of their diet.

5. Megan Oser, PhD **Lantern**  
Brigham and Women's Hospital Department of Psychiatry  
  
Lantern is an app that aims to provide effective, engaging mobile experiences that are rooted in proven methods for reducing anxiety and better managing stress. Based on Cognitive Behavioral Therapy, Lantern offers daily exercises tailored to specific needs and access to a professional coach to give support and feedback.
5. Oliver Lindhiem, PhD **LemurDx**  
Jordan Harris, BS  
University of Pittsburgh Department of Psychiatry  
  
LemurDx is a software system for smartwatches that uses state-of-the-art sensor technology and machine learning algorithms to measure hyperactivity and enhance the objectivity and precision of ADHD diagnoses.
6. William S. Evans, PhD, CCC-SLP **Optimizing speed-accuracy tradeoffs in aphasia language rehabilitation**  
University of Pittsburgh Department of Communication Sciences and Disorders  
  
This demo is a novel feedback algorithm that will be used to help veterans with aphasia learn to maximize response accuracy while minimizing response time in an adaptive computer-based language treatment.
7. Holly A. Swartz, MD **RAY (Rhythms and You)**  
University of Pittsburgh Department of Psychiatry  
  
RAY is a web-based self-help program for bipolar disorder that teaches participants to increase the regularity of their daily rhythms in order to improve their mood.
8. Charles Jonassaint, PhD, MHS **Sensometer App**  
Center for Behavioral Health + Smart Technology  
University of Pittsburgh School of Medicine  
  
Sensometer App is a simple GPS activity space tracking and EMA push survey app for Android and iOS.
9. Andrew Watson, MD **Vivify**  
UPMC, Department of Surgery  
  
Remote patient monitoring with our vendor partner Vivify is an extension of our clinical care into the patient's home. Using simple technology we can work with patients for symptom management and behavioral health to coordinate and manage their long term care and acute psychosocial issues.

# Conference Organizing Committee

## **Bruce L. Rollman, MD, MPH**

UPMC Endowed Professor of General Internal Medicine  
Professor of Medicine, Psychiatry, Biomedical Informatics,  
and Clinical and Translational Science  
Director, Center for Behavioral Health and Smart Technology  
Division of General Internal Medicine  
University of Pittsburgh School of Medicine  
[rollmanbl@upmc.edu](mailto:rollmanbl@upmc.edu)

*8:50 am Welcome and Morning Plenary Session & 4:50 pm Concluding Remarks*



Dr. Rollman's research focuses on developing novel interventions to treat mood and anxiety disorders in non-psychiatric settings. He has been principal investigator on six NIH-funded R01 clinical trials including the *Online Treatment for Mood and Anxiety Disorders Trial* presently evaluating the impact of incorporating a computerized cognitive behavioral therapy program and Internet support group into a collaborative care intervention; and the *Hopeful Heart Trial* testing the effectiveness of a "blended" collaborative care model for treating both heart failure and depression simultaneously. Dr. Rollman has also served as a co-investigator and consultant on numerous other research projects and published nearly 100 scientific papers, including first-authored papers in the *New England Journal of Medicine* and the *Journal of the American Medical Association*, and has 4 U.S. patents for health-related inventions. As a result of these and other projects, and through over 20 years of primary care practice, he has become highly experienced with state-of-the-art techniques for treating mood and anxiety disorders in non-psychiatric settings, mental health services research, and the conduct of pragmatic trials.

## **Dmitriy Babichenko**

Professor of Practice  
Director, Learning Technologies Labs  
Department of Informatics and Networked Systems  
School of Computing and Information  
[dmb72@pitt.edu](mailto:dmb72@pitt.edu)

*1:00 pm Afternoon Plenary Session & 2:15 Games for Health*



Dmitriy Babichenko is a Professor of Practice at the School of Information Sciences at the University of Pittsburgh, with the secondary appointment at the School of Pharmacy. Mr. Babichenko has extensive industry experience in educational software design and development, learning technologies, IT project management, and web systems architecture design. Since joining SIS in 2013, Mr. Babichenko has taught undergraduate courses in programming and information systems analysis, design and implementation, databases, and games design. In 2015 he founded a Learning Technologies Laboratory at the School of Information Sciences, a lab dedicated to development of serious games, learning technologies, and undergraduate research.

**Lora E. Burke, PhD, MPH, FAHA, FAAN**

Professor of Nursing and Epidemiology  
Clinical Translational Science Institute  
Former Director, Hub for Excellence in eHealth Research  
University of Pittsburgh School of Nursing  
[Lbu100@pitt.edu](mailto:Lbu100@pitt.edu)



Lora E. Burke is Professor of Nursing and Epidemiology at the University of Pittsburgh. Dr. Burke has a long-standing interest in behavioral strategies to improve adherence to treatment regimens targeting cardiovascular disease risk reduction and long-term weight loss. Her NIH-funded research involves a series of clinical trials testing behavioral strategies to support lifestyle changes and using technology to validate self-report measures and also deliver interventions. Dr. Burke also serves as a senior faculty member on several T32 training grants (genomics, technology use in chronic disorders, cancer survivorship, and epidemiology of aging and sleep) and is actively engaged in national leadership roles in the American Heart Association.

**Rabikar Chatterjee**

Associate Dean for Masters and Executive Programs  
Gulf Oil Foundation Professor of Business  
Katz Graduate School of Business  
University of Pittsburgh  
[Rabikar@pitt.edu](mailto:Rabikar@pitt.edu)



Rabikar Chatterjee earned his PhD in marketing at the University of Pennsylvania's Wharton School. He has served on the faculties of the University of Michigan's Business School and Purdue University's Krannert Graduate School of Management. He has also been a visiting professor at various universities in Australia, India, and Korea. Prior to his career in academia, he had eight years of industry experience in engineering, project management, sales management, marketing, and strategic planning positions. Dr. Chatterjee's research, teaching, and consulting interests lie in the area of customer-focused development and management of products and services, particularly those with a technology orientation. His research has focused on models of market response to new products, with applications in forecasting, product design, and pricing. His articles have appeared in such journals as *Management Science*, the *Journal of Marketing Research*, and *Psychometrika*. He has served as an associate editor in the marketing department of *Management Science* and a member of the Editorial Board of *Marketing Science*. Dr. Chatterjee has received numerous awards for his teaching and research, and consulted with or conducted executive workshops for such companies as Alcoa, DBT, Fiserve, PNC Bank, US West (now Qwest), and Westinghouse.



**J. Jeffrey Inman, PhD, MBA**

Associate Dean for Research and Faculty  
Albert Wesley Frey Professor of Marketing  
Joseph M. Katz Graduate School of Business  
University of Pittsburgh  
[jinman@katz.pitt.edu](mailto:jinman@katz.pitt.edu)

*3:45 pm Intro to the Innovation Institute*



Dr. Jeffrey Inman is the Associate Dean for Research and Faculty at the Katz Graduate School of business at the University of Pittsburgh and the Albert Wesley Frey Professor of Marketing. He joined the faculty of the Katz Graduate School of Business in 2000 and in 2008 assumed the position of Associate Dean of Research and Faculty. His research focuses on behavioral science and consumer decision-making. He is President of the Society for Consumer Psychology, former President of the Association for Consumer Research, and will be Editor-in-Chief of the *Journal of Consumer Research* beginning January 1, 2018. Dr. Inman serves on the editorial boards of several leading marketing journals including the *Journal of Consumer Research*, *Marketing Science*, and the *Journal of Consumer Psychology*. He teaches courses in consumer analytics, a doctoral seminar in Market Behavior, and teaches patient experience in the UPMC-Katz Physician Leadership Program. Dr. Inman has published over 50 journal articles, most of which have appeared in the top marketing journals (*Journal of Marketing Research*, *Journal of Marketing*, *Journal of Consumer Research*, and *Marketing Science*). He received his BSME from General Motors Institute (now Kettering University), his MBA from Indiana University, and his Ph.D. from the University of Texas.

**Michael B. Spring, PhD**

Associate Professor  
University of Pittsburgh School of Information Sciences  
[spring@pitt.edu](mailto:spring@pitt.edu)

*2:15 pm Artificial Intelligence for Behavioral Health*



Dr. Spring's research involves models and principles for design of human-computer interaction, visualization, virtual information spaces, and cybersecurity. With support from NCI, NIH, NIMH, Medicare, and the Veterans Administration, he has developed web sites to support people with schizophrenia, and various forms of cancer as well as caregivers for individuals with traumatic brain injury. Current research efforts involve ontology mapping for semantic web applications, data mining of social web applications, secure location based services, and the automated development of secure websites to support medical research. In addition to writing two books, Dr. Spring has authored over 100 articles and book chapters in the areas of document processing, collaborative authoring, information technology standardization, visualization, virtual reality, and medical applications of web and mobile technology; and, recently completed a term as elected President of The Senate of the University of Pittsburgh.

## Conference Speaker Biographies

### **Olufunmilola Abraham, PhD, MS, BPharm**

Assistant Professor

School of Pharmacy, Pharmacy and Therapeutics

School of Medicine, Pediatrics, Biomedical Informatics, and Clinical and Translational Science

[olufunmilola.abraham@pitt.edu](mailto:olufunmilola.abraham@pitt.edu)

*2:15 pm Games for Health*



Dr. Abraham's research focuses on applying human factors and systems engineering approaches to develop novel pharmacist-led and technology-based interventions to improve health outcomes and medication safety for vulnerable populations. She partners with health care professionals in a variety of community settings to understand processes and technologies that impact medication safety, quality of care, and adherence to medications. Dr. Abraham's research has been supported by funding agencies such as the AcademyHealth, Community Pharmacy Foundation, Pennsylvania Pharmacists Association, and the University of Pittsburgh Clinical Translational Science Institute. Dr. Abraham has authored nearly 30 scientific papers, including first-authored papers in the *Journal of the American Medical Informatics Association* and the *BMJ Quality & Safety*. Her latest research focuses on developing a transformational OTC medication safety game (A2OTC - Abraham Adolescent OTC Medication Safety) which is designed to educate adolescents and increase adolescent-pharmacist communication about safe and appropriate use of OTC medications in community pharmacies.

### **Ellen Beckjord, PhD, MPH**

Director, Population Health Program Design & Engagement Optimization

Insurance Services Division

[beckjorde@upmc.edu](mailto:beckjorde@upmc.edu)

*2:15 pm Chronic Disease Management*



Dr. Beckjord trained in clinical psychology at the University of Vermont, where she worked with cancer survivors and their families delivering evidence-based behavioral medicine interventions from time of diagnosis through end-of-life care. After completing her internship at the Vanderbilt-VA internship consortium, she entered the National Cancer Institute's Cancer Prevention Fellowship Program and spent her first year of fellowship getting a Masters in Public Health focused on Epidemiology and Biostatistics. Dr. Beckjord did her post-doctoral research in the Health Communication and Informatics Research Branch within the Division of Cancer Control and Population Sciences. From NCI, Dr. Beckjord spent three years in research consulting with RAND Corporation before spending nearly five years at the University of Pittsburgh and Hillman Cancer Center, where she received a Career Development Award to develop and test a context-aware mobile application for smoking cessation. In February 2015, she joined the UPMC Health Plan as Director of Population Health Program Design and Engagement Optimization. Her current work is focused on behavioral informatics and population health; specifically, the use of mobile technology to promote health, wellness, and health behavior change. She is particularly interested in the role of consumer generated health data in an informatics-enabled learning health care system.

**Daniel J. Buysse, MD**

UPMC Professor of Sleep Medicine  
Professor of Psychiatry and Clinical and Translational Science  
University of Pittsburgh School of Medicine  
Department of Psychiatry  
[buyssej@upmc.edu](mailto:buyssej@upmc.edu)  
*10:30 Electronic Trial Recruitment*



Daniel Buysse is the UPMC Professor of Sleep Medicine and Professor of Psychiatry and Clinical and Translational Science at the University of Pittsburgh. His research focuses on sleep assessment; the pathophysiology and treatment of insomnia; interactions between sleep and circadian rhythms; and the impact of sleep on health. Dr. Buysse has received research funding from the National Institute of Mental Health, the National Institute on Aging, and the National Heart, Lung, and Blood Institute. He has published over 300 peer-reviewed articles and over 100 book chapters or review articles. He is Past President of the American Academy of Sleep Medicine; recipient of the Nathaniel Kleitman Distinguished Service Award from the American Academy of Sleep Medicine and the Mary A. Carskadon Outstanding Educator Award from the Sleep Research Society; and is Deputy Editor of *SLEEP*.

**Sue Clifton, MEd**

Research Recruitment Facilitator  
Clinical and Translational Science Institute  
University of Pittsburgh  
[cliftons@pitt.edu](mailto:cliftons@pitt.edu)  
*10:30 am Electronic Trial Recruitment*



Sue Clifton is a recruitment facilitator with the University of Pittsburgh Clinical and Translational Science Institute (CTSI). She received both her BA and MEd from the University of Pittsburgh. Sue worked as service provider in the community mental health system and spent 13 years as a research program coordinator for psychiatric genetic studies. Together with colleagues, Sue manages a pilot research project exploring the efficacy of Trialspark as a recruitment tool.

**Babs Carryer, MPM**

Director of Education & Outreach  
Innovation Institute  
University of Pittsburgh  
[bcarryer@innovation.pitt.edu](mailto:bcarryer@innovation.pitt.edu)

*3:45 pm Games4Health Awards Presentations*



Babs Carryer is Director of Education & Outreach for the University of Pittsburgh's Innovation Institute. Her role encompasses programs to encourage and support innovation and entrepreneurship across campus to all students, faculty, researchers and clinicians. Babs has given talks and seminars on entrepreneurship around the world and developed the "Lab to Market" seminar for hundreds of Fulbright Scholars. Babs is a serial entrepreneur, writer and educator. She blogs about entrepreneurship on NewVenturist. For 15 years, Babs helped to build the entrepreneurial ecosystem at Carnegie Mellon University. As President of Carryer Consulting, Babs has worked with hundreds of companies and startups to grow their businesses. Babs is a co-founder of LaunchCyte, with a portfolio of five companies which have commercialized university technologies into marketplace products. She is a co-founder of the Pittsburgh Chapter of Women in Bio and is current President of the local chapter of Sisters in Crime. Babs has a Masters in Public Management from Heinz College at CMU and a BA from Mills College in CA. Babs is author of a startup murder mystery "HD66 - search for a cure, or a killer?" and "Startup Briefs," both available on Amazon.

**Katelyn Collinger, MA**

Research Recruitment Facilitator  
University of Pittsburgh Clinical and  
Translational Science Institute  
[KAC320@pitt.edu](mailto:KAC320@pitt.edu)

*10:30 am Electronic Trial Recruitment*



Katelyn Collinger is a recruitment facilitator at the University of Pittsburgh Clinical and Translational Science Institute (CTSI). Prior to joining CTSI in 2016, Ms. Collinger worked as a therapist in the mental health field and as a research coordinator for psychiatry-related studies at Sunnybrook Health Services in Toronto, Canada and the University of Pittsburgh. Katelyn received her BA from the University of Pittsburgh and an MA in Community Counseling from Slippery Rock University.

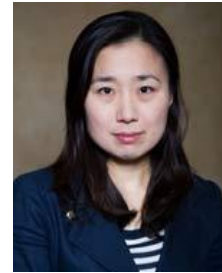
**JiYeon Choi, PhD, RN**

Assistant Professor

Department of Acute and Tertiary Care  
University of Pittsburgh School of Nursing

[Jic11@pitt.edu](mailto:Jic11@pitt.edu)

*2:15 pm Chronic Disease Management*



Dr. Choi's current research seeks to develop strategies to improve self-management of exercise and promote physical activity in lung transplant recipients in the home setting.

Partnered with her multidisciplinary team, she designed a telerehabilitation-based home exercise program for lung transplant recipients (LTRs) that is being tested in LTRs discharged from UPMC. In addition, Dr. Choi's has initiated research designed to identify strategies to improve outcomes following critical illness in patients and caregivers, with a focus on trajectories of their physical and psychological outcomes. She is the recipient of research awards from Rehabilitation Nursing Foundation, American Nurses Foundation, International Society of Heart and Lung Transplantation. Dr. Choi earned her BSN from Yonsei University South Korea, her MN from the University of Washington, Seattle and her PhD in Nursing from the University of Pittsburgh.

**Evan Facher, PhD, MBA**

Interim Director

University of Pittsburgh Innovation Institute

[efacher@innovation.pitt.edu](mailto:efacher@innovation.pitt.edu)

*3:45 pm Intro to the Innovation Institute*

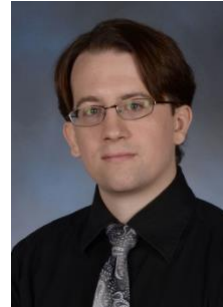


Evan Facher is Interim Director of the University of Pittsburgh's Innovation Institute. He oversees a comprehensive suite of services for Pitt Innovators, from protecting intellectual property to the commercialization of new discoveries through licensing and/or new enterprise development. He manages a collection of educational programming, mentoring and networking for Pitt faculty, students and partners. Dr. Facher oversaw the Innovation Commercialization organization that, over the past 3.5 years, has obtained 950 invention disclosures, executed 383 licenses/options, obtained 248 issued patents, spun out 39 new companies based on University technology and received a prestigious NSF I-Corps Site award. Formerly, Dr. Facher was President/CEO of SironRX Therapeutics, a private, clinical-stage company developing novel drug therapies. He also worked in Bayer Healthcare's medical device division as General Manager of its Pittsburgh Interventional business, where he oversaw a corporate strategy group that twice received Malcolm Baldrige award level reviews in addition to running the M&A team. Dr. Facher started his career as Senior Manager Business Development at the biotechnology company Athersys, where he was a business development leader creating partnerships with global pharmaceutical companies. Dr. Facher has been involved with corporate fundraisings of ~\$100 million from venture, strategic partner and grant sources as well as serving as a leader in company acquisitions and business development activities of over \$600 million. He holds a Ph.D. in Human Genetics from the University of Pittsburgh and an MBA from Case Western Reserve University and a B.S. from the University of Miami (FL).

**Lorin B. Grieve, PharmD**

Instructor of Pharmacy and Therapeutics  
Instructor of Information Sciences  
University of Pittsburgh School of Pharmacy  
[lbg6@pitt.edu](mailto:lbg6@pitt.edu)

*2:15 pm Games for Health*



Dr. Grieve’s research and practice focus is on the conflux of educational experiences and game design. Through a lens of instructional design, they have enhanced the experience in classes at the School of Pharmacy and the School of Computer and Information Science. One such class, Drug Discovery and Development, is unique in being one of the few fully-gamified experiences on campus. Through the application of game design principles, Dr. Grieve has made strides in enhancing student comfort and ability in what have been labeled the “21st Century Skills”. These skills include critical thinking, collaboration, communication, and creativity. They are currently working on a PhD studying methods of quantitatively assessing student learning and ability in regards to these skills.

**Jessica Hammer, PhD**

Assistant Professor  
Human-Computer Interaction Institute / Entertainment Technology Center  
Carnegie Mellon University  
[hammerj@andrew.cmu.edu](mailto:hammerj@andrew.cmu.edu)

*2:15 pm Games for Health*



Jessica Hammer is an assistant professor at Carnegie Mellon University, jointly appointed between the HCI Institute and the Entertainment Technology Center. Her research combines game design with qualitative and quantitative research techniques to understand how games impact human behavior. In addition to work on games for smoking reduction and sexual health, she explores how behavioral health researchers and game designers can collaborate more effectively. She has been recognized internationally for her research, including being named as a Young Scientist by the World Economic Forum. She is also an award-winning game designer.

**Charles Jonassaint, PhD MHS**

Assistant Professor of Medicine,  
And Clinical and Translational Science

[jonassaintcr@upmc.edu](mailto:jonassaintcr@upmc.edu)

*10:30 am Mobile Smart Sensing*



Dr. Jonassaint's research aims to reduce health care disparities by using multimedia technology to deliver evidence-based interventions to underserved populations. His research has focused on patients with sickle cell disease (SCD), a condition that disproportionately affects those of African descent and is associated with significant disparities in both funding and treatment. Dr. Jonassaint recently completed his training in epidemiology at Johns Hopkins University where his research helped identify maladaptive psychological and biological stress responses that contribute to poorer health among underserved populations. He is now working with an interdisciplinary team of investigators here at the University of Pittsburgh to help address these risk factors through the development and testing of mobile health interventions. Dr. Jonassaint is currently funded through an NHLBI K23 grant to lead a program of research in sickle cell disease focused on designing, cost-effective, scalable, mobile technology-delivered, stress and pain management interventions that patients can easily access on their own mobile phones or tablets. He is the co-inventor of an SCD specific self-management app called SMART: The Sickle Cell Disease Mobile Application to Record Symptoms via Technology. Testing of SMART has led to three publications and is now being used in four funded studies at three institutions.

**James Joshi, PhD**

Professor, School of Computing and Information

*2:15 pm Artificial Intelligence for Behavioral Health*

\*\*Waiting for bio

**Geoffrey Kurland, MD**

Professor of Pediatrics  
Division of Pediatric Pulmonary Medicine,  
Allergy, and Immunology  
Children's Hospital of Pittsburgh  
[Geoffrey.kurland@chp.edu](mailto:Geoffrey.kurland@chp.edu)  
*2:15 pm Games for Health*



Dr. Kurland, a clinical educator, is the Medical Director of the Flexible Bronchoscopy Service and the Pediatric Lung Transplant center at Children's Hospital. He is also the Medical Director of the Flexible Bronchoscopy Service and the Pediatric Lung Transplant center at Children's Hospital. His teaching of medical students, Pediatric Residents, and Fellows in Pediatric Pulmonology remain an important focus in his career. His interests in Pediatric Pulmonology include more common clinical entities such as Cystic Fibrosis, Asthma, and Bronchopulmonary Dysplasia. He is also the Medical Director of the Flexible Bronchoscopy Service and the Pediatric Lung Transplant center at Children's Hospital. His teaching of medical students, Pediatric Residents, and Fellows in Pediatric Pulmonology remain an important focus in his career. He has spoken internationally on such topics as Pediatric Lung Transplantation, Pediatric Interstitial Lung Disease, and Pediatric Flexible Bronchoscopy. He is a long-time member of the faculty of an international course teaching flexible bronchoscopy. He has also learned over time that compliance with medical treatments is one of the keys to the well-being of patients with chronic illnesses such as asthma. The Asthma game, which Dr. Kurland, along with his associates Drs. Erick Forno and Allyson Larkin, developed with members of Simcoach Games had its origins in his introduction (by his wife, Kristen Kurland!) to Jessica Trybus, Chief Games Officer of Simcoach. Ms. Trybus is also a member of the Special Faculty at Carnegie Mellon University's Entertainment Technology Center (ETC). Dr. Kurland readily acknowledges that Ms. Trybus and the Simcoach Games team deserve much of the credit for the game's development.

**Carrie R. Leana, PhD, MBA**

George H. Love Professor of Organizations and Management  
Professor of Business Administration, of Medicine, and of Public & International  
Affairs  
Director, Center for Healthcare Management  
University of Pittsburgh  
[leana@katz.pitt.edu](mailto:leana@katz.pitt.edu)  
*3:45 pm Intro to the Innovation Institute*



Carrie Leana is the George H. Love Professor of Organizations and Management at the University of Pittsburgh, Director of the University of Pittsburgh's Center for Healthcare Management and serves on the Board of Directors of the Aging Institute. Dr. Leana was a resident scholar at the Rockefeller Foundation's Bellagio Center and at the Russell Sage Foundation. She is a Fellow of the Academy of Management, a Senior Fulbright Scholar, an Aspen Institute Faculty Pioneer awardee, and has held visiting academic appointments worldwide. Her training and research are in the area of organization science. It is field based and has been conducted in such settings as steel mills, public schools, insurance firms, aerospace contractors, police departments, childcare centers and skilled nursing facilities, and is supported by the National Science Foundation, the Alfred P. Sloan Foundation, and the Wallace Foundation. Dr. Leana has published two books and over 100 papers on such topics as employment relations, compensation practices, and social capital development. Her current research is focused on financial precarity and well-being. Dr. Leana is active in community affairs and has received numerous public service awards. She serves on the Board of Governors of the Academy of Management, the pre-eminent association for organizational scholars with over 20,000 members spanning 115 countries.



**Peggy J. Liu, PhD**

Assistant Professor of Business Administration – Marketing and Business Economics  
University of Pittsburgh Joseph M. Katz Graduate School of Business

[peggy.liu@pitt.edu](mailto:peggy.liu@pitt.edu)

*10:30 am Katz Executive Healthcare MBA*



Professor Liu's research focuses on consumer behavior, particularly as it relates to consumer welfare and well-being. She primarily conducts research in three substantive areas, with a common theoretical focus on quality versus quantity aspects of consumption (e.g., "what" vs. "how much" to consume). Her research has appeared in *Journal of Marketing Research*, *Journal of Marketing*, *Management Science*, *Organizational Behavior & Human Decision Processes*, *Personality & Social Psychology Bulletin*, and multiple public health and medical journals. As part of her research on food decision-making, Professor Liu has worked with multiple members of the food industry, ranging from large, national food companies to small restaurants, to help design win-win solutions that promote healthier eating while also addressing company profit goals. She has also co-authored op-eds in The Washington Post's Monkey Cage blog about her research on public policy issues.

**Carissa A. Low, PhD**

Assistant Professor of Medicine and Psychology  
University of Pittsburgh School of Medicine

[lowca@upmc.edu](mailto:lowca@upmc.edu)

*10:30 am Mobile Smart Sensing*



Dr. Low's research focuses on interactions between behavior, biology, and patient-centered outcomes in the context of cancer. She is particularly interested in the use of mobile technology to detect and target risk states during cancer treatment, including sedentary behavior, worsening symptoms, psychological stress, and social isolation. Current projects include a prospective study harnessing smartphones and wearable sensors to predict readmission after cancer surgery; a pilot study testing whether smartphone and wearable sensor data can detect changes in patient-reported stress and symptoms during chemotherapy; a laboratory study using wearable physiological sensors to characterize positive and negative emotional states; and a randomized controlled trial testing a technology-mediated sedentary behavior intervention before and after cancer surgery.

**John S. Maier, MD, PhD**

Program Director  
Pitt Innovation Challenge (PInCh)  
Assistant Professor of Family Medicine  
Director of Research and Development  
University of Pittsburgh School of Medicine  
[jmaier@pitt.edu](mailto:jmaier@pitt.edu)  
*10:30 am Mobile Smart Sensing*



Dr. Maier is the Program Director and guiding force behind the Pitt Innovation Challenge (PInCh) and its various spin-off competitions including ProtoHype and the Pain Research Challenge sponsored by Pitt’s Clinical and Translational Science Institute (CTSI). After completing his PhD in Physics and MD at the University of Illinois at Urbana-Champaign, Dr. Maier served as a member of the housestaff in the UPMC Shadyside Family Medicine Residency program. Afterwards, he worked as the leader of biomedical research and a member of the management team for the ChemImage Corporation in Pittsburgh. In 2011, Dr. Maier joined the Department of Family Medicine at the University of Pittsburgh where he presently serves on its executive committee and provides leadership and support to projects that span the range from comparative effectiveness research to health care system delivery innovation in community based settings in addition to PInCh. Dr. Maier is also a co-inventor on over 50 US patents and co-author on 14 peer-reviewed publications and numerous other scientific proceedings, abstracts and presentations.

**Jerrold H. (Jerry) May, PhD**

Professor of Business Analytics and Operations  
Katz Graduate School of Business  
[jerrymay@katz.pitt.edu](mailto:jerrymay@katz.pitt.edu)  
*10:30 am Katz Executive Healthcare MBA*



Jerry’s current research interests focus on data –driven predictive and descriptive analytics modeling in healthcare, and on the implementation of such models. Since 2010 he has been the principal investigator on a series of contracts funded by the Veterans Healthcare Administration. He and his group work closely with the Veterans Engineering Resource Center and with clinicians to help propose, develop, and facilitate innovative solutions to healthcare delivery challenges in the VHA.

**David Mohr, PhD**

Director, Center for Behavioral Intervention Technologies  
Professor of Preventive Medicine  
Northwestern University Feinberg School of Medicine  
[d-mohr@northwestern.edu](mailto:d-mohr@northwestern.edu)

*8:50 am Welcome and Morning Plenary Session*



David C. Mohr, Ph.D., trained as a psychologist, is Professor of Preventive Medicine in the Northwestern University Feinberg School of Medicine, with appointments in Departments of Psychiatry and Medical Social Sciences. He is also the Director of Northwestern University's Center for Behavioral Intervention Technologies (CBITs; [www.cbits.northwestern.edu](http://www.cbits.northwestern.edu)). Dr. Mohr's work lies at the intersection of behavioral science, technology, and clinical research, focusing on the design and implementation of interventions that harness wireless and web-based technologies to promote mental health and wellness. While there has been much research over the past decades demonstrating the potential for digital mental health, real-world implementation has been elusive. The overarching goal of this work is to sustainably implement digital mental health interventions in real-world care settings. Dr. Mohr's research has been consistently funded for more than 25 years by the National Institutes of Health, numerous other federal agencies, and foundations, resulting in over 185 peer-reviewed publications, and more than 25 book chapters.

**Louis-Philippe Morency, PhD**

Assistant Professor  
Carnegie Mellon  
[morency@cs.cmu.edu](mailto:morency@cs.cmu.edu)

*10:30 am Multimodal Behavior Sensing for Mental Health*



Louis-Philippe Morency is Assistant Professor in the Language Technology Institute at Carnegie Mellon University where he leads the Multimodal Communication and Machine Learning Laboratory (MultiComp Lab). He was formerly a Research Assistant Professor in the Computer Sciences Department at University of Southern California and a Research Scientist at The USC Institute for Creative Technologies. Professor Morency received his Ph.D. and Master degrees from MIT Computer Science and Artificial Intelligence Laboratory. His research focuses on building the computational foundations to enable computers with the abilities to analyze, recognize and predict subtle human communicative behaviors during social interactions. In particular, Professor Morency was lead co-investigator for the multi-institution effort that created SimSensei and MultiSense, two technologies to automatically assess nonverbal behavior indicators of psychological distress. He is currently chair of the advisory committee for The ACM International Conference on Multimodal Interaction and associate editor at IEEE Transactions on Affective Computing.

**Bambang Parmanto, PhD**

Professor, School of Health and Rehabilitation Sciences

[parmanto@pitt.edu](mailto:parmanto@pitt.edu)

*2:15 pm Chronic Disease Management*



Bambang Parmanto is a Professor of Health Information Management at the University of Pittsburgh. He is the Director of Rehab Engineering Research Center on ICT Access and the Principal Investigator of a project on self-management for individuals with chronic and complex conditions using mobile health (mHealth). He leads the Health and Rehabilitation Informatics (HARI) research group at the University of Pittsburgh. His research interests have been telehealth, mobile health, and cybernetic approaches to health intervention (predictive, preventive, personalized, precise, persuasive, and participatory).

**Heather Rockwell, MPW**

Research Recruitment Facilitator

Clinical and Translational Science Institute

University of Pittsburgh

[htr2@pitt.edu](mailto:htr2@pitt.edu)

*10:30 am Electronic Trial Recruitment*



Ms. Rockwell has extensive experience in clinical trials, marketing, and science writing. In her current role as a Recruitment Facilitator at The Clinical and Translational Science Institute (CTSI), Ms. Rockwell works with research teams to promote their studies using the Pitt+Me® Research Recruitment Program. Prior to joining CTSI, Ms. Rockwell worked in multiple roles at the NSABP, as a clinical research assistant at UPMC Hillman Cancer Center, and as a marketing and communications project leader at Precision Therapeutics. Ms. Rockwell earned Bachelor of Arts degrees in anthropology and political science from the University of Pittsburgh, and a Master's of Professional Writing from Chatham University.

**Rob A. Rutenbar, PhD**

Senior Vice Chancellor for Research

University of Pittsburgh

[rutenbar@pitt.edu](mailto:rutenbar@pitt.edu)

*8:50 am Welcome and Morning Plenary Session*

\*\*Waiting on bio



**Jesse Schell**

CEO, Schell Games

Distinguished Professor, Entertainment Technology  
Center

Carnegie Mellon University

[jesse@schellgames.com](mailto:jesse@schellgames.com)

*1:00 pm Afternoon Plenary Session*



Jesse Schell is the CEO of Schell Games, a team of one hundred people who strive to make the world's greatest educational and entertainment games, including Yale Medical's PlayForward, Elm City Stories, Water Bears VR, SuperChem VR, the Daniel Tiger's Neighborhood games, and Happy Atoms. Schell Games also creates pure entertainment content, such as the award-winning VR game, I Expect You To Die, and the comedy space game Orion Trail. Jesse serves as Distinguished Professor of the Practice of Entertainment Technology at Carnegie Mellon University. Jesse has worked on a wide variety of innovative game and simulation projects for both entertainment and education, but he is best known for his award-winning book *The Art of Game Design: A Book of Lenses* and his predictions about the future of gaming technology. He is a previous chair of the International Game Developers Association, and former Creative Director of the Disney Virtual Reality Studio.

**Carol Smith, MS**

Senior Design Manager and UX Researcher,  
IBM Watson Discovery Services and Watson Knowledge Studio  
Editorial Board, Journal of Usability Studies (JUS)  
World Information Architecture Day, Co-Chair,  
Pittsburgh Celebration (2016-2018)

[carologic@gmail.com](mailto:carologic@gmail.com)

*2:15 pm Artificial Intelligence for Behavioral Health*



Carol Smith is a user experience researcher and Senior Design Manager at IBM Watson where she leads a team of designers creating and improving tools to build cognitive computing systems. Ms. Smith holds an MS in Human-Computer Interaction from DePaul University and volunteers in the UX community. In her 16 year career, she has successfully led health care related projects for government agencies, non-profits, health insurance organizations and multiple hospital systems. Ms. Smith was appointed to the prestigious IBM Health Corps program to support the American Cancer Society in improving access to cancer treatment in Sub-Saharan Africa and she is passionate about leveraging design thinking and ethical AI in health care. Ms. Smith is recognized globally as a leader in user experience design and previously served as the Vice President of the User Experience Professionals Association (UXPA), an organization that supports those around the world who advocate for user experience. Her contributions are included in published user experience related books and in magazines. Ms. Smith enjoys mentoring and sharing her knowledge and has presented over 90 talks and workshops around the world.

**Eva M Szigethy, MD, PhD**

Professor of Psychiatry, Pediatrics and Medicine  
Director, Visceral Inflammation and Pain Center  
Division of Gastroenterology  
University of Pittsburgh School of Medicine  
Co-Director, IBD Total Care Program  
Behavioral Consultant to UPMC Enterprises

[szigethye@upmc.edu](mailto:szigethye@upmc.edu)

*2:15 pm Chronic Disease Management*



Dr. Szigethy's research and clinical efforts have focused on using empirical approaches to diagnose and treat mental health conditions in medical settings. She has received NIH funding to study the etiology and treatment of anxiety, depression and sleep disturbance in adolescents and adults with inflammatory bowel disease (IBD). Armed with these results, she initiated multiple behavioral clinics integrated into pediatric and adults setting. Dr. Szigethy has been instrumental in designing and implementing subspecialty medical homes, integrating medical and psychiatric care into medical settings. Within the IBD Total Care Program, a joint venture with the UPMC Health Plan and the first IBD specific subspecialty medical home, patients have seamless access to IBD team members, including IBD-dedicated social workers, nurse practitioner, dietitians, and supplemental care services aimed at improving quality of life. This targeted care coordination plus the incorporation of health technology lead to fewer hospital visits and improved quality of life. Dr. Szigethy authored over 50 peer reviewed publications, many reviews, and chapters. Recently, Dr. Szigethy was recognized for her innovation in her life-time work with IBD patients by winning the prestigious Sherman Prize. Dr. Szigethy served as a behavioral consultant with UPMC Enterprising where she helps to identify innovative behavioral health start-ups and provides them with opportunities for research and development partnerships within UPMC and beyond.

## Networking Wine Reception and Smart Technology Demonstrations

Ballroom A

### Table #

10. Candice L. Biernesser, LCSW, MPH  
University of Pittsburgh School of Public Health, UPMC Western Psychiatric Institute and Clinic  
**Brite: A Suicide Prevention App for Youth**  
Brite is a smartphone app which aims to support suicidal youth as they transition from inpatient to outpatient care.
11. Carissa Low, PhD  
University of Pittsburgh School of Medicine  
**DASH (Detecting Activity to Support Healing)**  
DASH is a smartphone and smartwatch intervention to increase physical activity before and after cancer surgery by prompting brief walks when prolonged sedentary bouts are detected.
12. Dana Rofey, PhD  
University of Pittsburgh Department of Psychiatry, Adolescent Medicine  
**EmCARE**  
EmCARE uses electronic mobile technology to connect adolescents and young adults with routine provider engagement. It is an SMS-based system for young adults presenting to the emergency department to engage them in routine primary care.
13. Mayank Goel, PhD  
Abdelkareem Bedri, PhD  
Human-Computer Interaction Institute, Carnegie Mellon University  
**FitByte: Automated Diet Monitoring using Wearable Devices**  
FitByte is a wearable device that uses accelerometers placed near the user's ear to detect their chewing activity. The system then uses signal processing and machine learning to infer the exact times of the day when user eats their snacks and meals, and aids the user in maintaining an accurate diary of their diet.
14. Megan Oser, PhD  
Brigham and Women's Hospital Department of Psychiatry  
**Lantern**  
Lantern is an app that aims to provide effective, engaging mobile experiences that are rooted in proven methods for reducing anxiety and better managing stress. Based on Cognitive Behavioral Therapy, Lantern offers daily exercises tailored to specific needs and access to a professional coach to give support and feedback.
15. Oliver Lindhiem, PhD  
Jordan Harris, BS  
University of Pittsburgh Department of Psychiatry  
**LemurDx**  
LemurDx is a software system for smartwatches that uses state-of-the-art sensor technology and machine learning algorithms to measure hyperactivity and enhance the objectivity and precision of ADHD diagnoses.
16. William S. Evans, PhD, CCC-SLP  
University of Pittsburgh Department of Communication Sciences and Disorders  
**Optimizing speed-accuracy tradeoffs in aphasia language rehabilitation**  
This demo is a novel feedback algorithm that will be used to help veterans with aphasia learn to maximize response accuracy while minimizing response time in an adaptive computer-based language treatment.
17. Holly A. Swartz, MD  
University of Pittsburgh Department of Psychiatry  
**RAY (Rhythms and You)**  
RAY is a web-based self-help program for bipolar disorder that teaches participants to increase the regularity of their daily rhythms in order to improve their mood.
18. Charles Jonassaint, PhD, MHS  
Center for Behavioral Health + Smart Technology  
University of Pittsburgh School of Medicine  
**Sensometer App**  
Sensometer App is a simple GPS activity space tracking and EMA push survey app for Android and iOS.
19. Andrew Watson, MD  
UPMC, Department of Surgery  
**Vivify**  
Remote patient monitoring with our vendor partner Vivify is an extension of our clinical care into the patient's home. Using simple technology we can work with patients for symptom management and behavioral health to coordinate and manage their long term care and acute psychosocial issues.

\*\* ADD MORE DEMOS HERE



**Thank you to our Sponsors!**

UPMC HEALTH PLAN



**AGING INSTITUTE**

of UPMC Senior Services and the University of Pittsburgh



## Pre-Registered Conference Attendees

Last Name	First Name	Institution/Company Name
Ahonen	Lia	University of Pittsburgh Department of Psychiatry
Alahmadi	Malek	**
Albert	Steven	University of Pittsburgh Behavioral and Community Health Sciences
Alexander	Karen	Duquesne University School of Nursing
Anderson	Amy	Center for Behavioral Health and Smart Technology
Argenas	Amanda	University of Pittsburgh Department of Critical Care Medicine
Ashmore	Elisabeth	University of Pittsburgh
Babichenko	Dmitriy	University of Pittsburgh School of Computing and Information
Bae	Sang Won	Carnegie Mellon University School of Computer Science
Bayer	Halley	Carnegie Mellon University
Bechtold	Jody	University of Pittsburgh
Beckjord	Ellen	UPMC Health Plan
Bell	Kevin	University of Pittsburgh Department of Orthopaedic Surgery
Biernesser	Candice	University of Pittsburgh Department of Psychiatry
Blythe	Kathryn	University of Pittsburgh
Bodnar	Lisa	Magee Women's Research Institute
Bovbjerg	Dana	University of Pittsburgh Department of Psychiatry
Bryan	Nicki	FUJIFILM Medical Systems
Bui	Thuy	University of Pittsburgh Department of General Internal Medicine
Bukowski	Mark	TowersWatson
Burke	Lora	University of Pittsburgh School of Nursing
Butler	Rachel	University of Pittsburgh Department of Critical Care Medicine
Buyny	Marianne	UPMC/WPIC
Buysse	Daniel	University of Pittsburgh Department of Psychiatry
Cahalane	Jack	University of Pittsburgh Department of Psychiatry
Cajita	Mia	University of Pittsburgh
Caridad	Kevin	Cognitive Behavior Institute
Carr	Casey	ATC Healthcare **
Carryer	Babs	University of Pittsburgh Innovation Institute
Chandrasekaran	Ashok	Qualaris Healthcare Solutions
Chatterjee	Rabikar	Joseph M. Katz Graduate School of Business
Chen	Xuemei	University of Pittsburgh**
Chung	Tammy	University of Pittsburgh Department of Psychiatry
Clifton	Sue	University of Pittsburgh Clinical and Translational Science Institute
Cohen	Susan	Joseph M. Katz Graduate School of Business
Cohen	Paul	University of Pittsburgh School of Computing and Information
Collinger	Katelyn	University of Pittsburgh Clinical and Translational Science Institute
De Castro	Laura	UPMC Department of Hematology

Last Name	First Name	Institution/Company Name
Demirci	Jill	University of Pittsburgh School of Nursing
Dey	Anind	Carnegie Mellon School of Computer Science
Doman	John	University of Pittsburgh
Duncan-Graham	Laura	PsychCare+ at UPMC
Durica	Krina	University of Pittsburgh
Escobar-Viera	Cesar	University of Pittsburgh Health Policy Institute
Evans	William	University of Pittsburgh School of Health and Rehabilitation Sciences
Facher	Evan	University of Pittsburgh Innovation Institute
Farzan	Rosta	University of Pittsburgh School of Information Sciences
Feinstein	Karen Wolk	Jewish Healthcare Foundation
Ferdiani	Barbara	UPMC Health Plan
Ferguson	Robert	University of Pittsburgh Cancer Institute
Flock	Mike	University of Pittsburgh Innovation Institute
Forbes	Erika	University of Pittsburgh Department of Psychiatry
Fu	Xinyu	Joseph M. Katz Graduate School of Business
Gall	Zack	Web Developer
Garbett	Emmett	**
Goel	Mayank	Carnegie Mellon University
Goldstein	Tina	University of Pittsburgh Department of Psychiatry
Gosney	Harold	University of Pittsburgh School of Information Sciences
Greenfield	Justin	Social worker (?) **
Guo	Jenny	Joseph M. Katz Graduate School of Business
Hagan	Teresa	University of Pittsburgh School of Nursing
Hanson	Josh	Idea Foundry
Harris	Jordan	UPMC Health Plan
Hayes	Sandy	**
Hierholzer	Will	University of Pittsburgh Clinical and Translational Science Institute
Hill	Brianna	University of Pittsburgh School of Information Sciences
Hmurovic	Jillian	Joseph M. Katz Graduate School of Business
Holber	Julia	Center for Behavioral Health and Smart Technology
Inman	Jeffrey	Joseph M. Katz Graduate School of Business
Irizarry	Taya	University of Pittsburgh School of Nursing
Jacobs	Kim	UPMC Health Plan
Jakicic	John	University of Pittsburgh Department of Health and Physical Activity
Johnson	Erika	Pittsburgh Center for Creative Reuse
Jonassaint	Charles	University of Pittsburgh Division of General Internal Medicine
Joshi	James	University of Pittsburgh School of Computing and Information
Kapoor	Wisha	University of Pittsburgh Division of General Internal Medicine
Karausky	Pat	University of Pittsburgh Clinical and Translational Science Institute
Karp	Jordan	University of Pittsburgh Department of Psychiatry
Keener	Matthew	UPMC Western Psychiatric Institute and Clinic

Last Name	First Name	Institution/Company Name
Kienholz	Michelle	University of Pittsburgh
Klein	Sara Jo	ONc-PoWER
Klingensmith	Ryan	UPMC Western Psychiatric Institute and Clinic
Kolko	Rachel	University of Pittsburgh Department of Psychiatry
Ladouceur	Cecile	University of Pittsburgh Department of Psychiatry
Laik	Joyaditya	Joseph M. Katz Graduate School of Business
Leana	Carrie	Joseph M. Katz Graduate School of Business
Lindhlem	Oliver	University of Pittsburgh Department of Psychiatry
Lipsett	Megan	COPIA Health
Liu	Peggy	Joseph M. Katz Graduate School of Business
Liu	Shin-dun	University of Pittsburgh School of Medicine
Low	Carissa	University of Pittsburgh School of Medicine
Lunt	Brian	The Being Well Center
Luyster	Faith	University of Pittsburgh School of Nursing
Magnani	Jared	University of Pittsburgh Department of Medicine
Maier	John	University of Pittsburgh Clinical and Translational Science Institute
Malito	Adelina	Center for Behavioral Health and Smart Technology
Matheo	Loreta	Children's Hospital of Pittsburgh of UPMC
Mayowski	Colleen	University of Pittsburgh Department of General Internal Medicine
Mazo	Ellen	Children's Hospital of Pittsburgh of UPMC
Meyer	Mark	UPMC Health Plan
Mohr	David	Northwestern University Feinberg School of Medicine
Moore	Tory	Ariel Precision Medicine
Morency	Louis-Philippe	Carnegie Mellon School of Computer Science
Noll	Robert	UPMC Health Plan
Norman	Marie	University of Pittsburgh Department of General Internal Medicine
Orndoff	Patricia	University of Pittsburgh
Oser	Megan	Lantern
Park	Joseph	University of Pittsburgh Graduate School of Public Health
Parmanto	Bambang	University of Pittsburgh School of Computing and Information
Porter	Bethany	University of Pittsburgh Department of Medicine
Radovic	Ana	Children's Hospital of Pittsburgh of UPMC
Ramos Rojas	Julian	Carnegie Mellon University Human-Computer Interaction Institute
Rockwell	Heather	University of Pittsburgh Clinical and Translational Science Institute
Rofey	Dana	University of Pittsburgh Department of Psychiatry
Rogers	Renee	University of Pittsburgh School of Education
Rollman	Bruce	University of Pittsburgh Department of General Internal Medicine
Rollman	Jeffrey	Rollman, Handorf & Conyers LLC
Rollman	Jane	University of Pittsburgh PittGiving

Last Name	First Name	Institution/Company Name
Roth	Alexis	Dornsife School of Public Health
Roth	Loren	University of Pittsburgh Department of Psychiatry
Rotondi	Armando	University of Pittsburgh Department of Critical Care Medicine
Ryan	Neal	University of Pittsburgh Department of Psychiatry
Salam	Fatma	UPMC Health Plan
Salk	Rachel	University of Pittsburgh Department of Psychiatry
Sandberg	Paul	PHRQL, Inc.
Satovich	Joe	UPMC Health Plan
Schell	Jesse	Schell Games, Carnegie Mellon Entertainment Technology Center
Schmeltz	Ralph	UPMC Division of Endocrinology, Diabetes & Metabolism
Shaaban	Sami	NuRelm
Shelly	Ben	Philips Healthcare
Shi	Qiaoni	Joseph M. Katz Graduate School of Business
Shrestha	Rasu	UPMC Enterprises
Sirotnin	Sergey	dbaza, inc.
Smith	Carol	IBM Watson
Smith	Lillian	Behavioral Oncology and Technology Lab
Spring	Michael	School of Computing and Information Sciences
Stahl	Sarah	University of Pittsburgh Department of Psychiatry
Suffoletto	Brian	University of Pittsburgh Department of Emergency Medicine
Sun	Ran	University of Pittsburgh School of Nursing
Swartz	Holly	University of Pittsburgh Department of Psychiatry
Szigethy	Eva	University of Pittsburgh Department of Psychiatry
Thiel	Brent	University of Pittsburgh Department of General Internal Medicine
Toscolani	Jodi	University of Pittsburgh Center for Autism
Trainer	Abby	University of Pittsburgh Clinical and Translational Science Institute
Tumuluru	Rameshwari	UPMC Western Psychiatric Institute and Clinic
Valenti	Shannon	University of Pittsburgh Clinical and Translational Science Institute
Voll	Megan	University of Pittsburgh
Walker	Jon	MedExpress
Wright	Aidan	University of Pittsburgh Department of Psychology
Wu	Qikun	Joseph M. Katz Graduate School of Business
Yingling	Michael	Washington University in St. Louis
Zelazny	Jamie	UPMC Western Psychiatric Institute and Clinic
Zhao	Siyan	Carnegie Mellon University Human-Computer Interaction Institute
Zimmer	Thomas	University of Pittsburgh Department of Psychiatry



---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---

---









UNIVERSITY OF PITTSBURGH

# **Katz-UPMC Executive MBA** in Healthcare

## **DEVELOPING THE FUTURE LEADERS IN HEALTHCARE**

---

### **SAVE THE DATES FOR OUR ONLINE INFORMATION SESSIONS:**

November 29, 2017, 10:00 a.m. EST

December 13, 2017, 10:00 a.m. EST

January 31, 2018, 10:00 a.m. EST

February 28, 2018, 10:00 a.m. EST

March 28, 2018, 10:00 a.m. EST

April 4, 2018, 10:00 a.m. EST

---

### **THROUGH THE KATZ-UPMC EXECUTIVE MBA PROGRAM IN HEALTHCARE YOU CAN:**

- + Earn your MBA in 19 months while working
- + Develop a broad peer network across healthcare areas
- + Focus on healthcare curriculum in every course
- + Learn alongside health professionals with significant experience

**KATZ** UNIVERSITY OF PITTSBURGH  
JOSEPH M. KATZ  
GRADUATE SCHOOL  
OF BUSINESS

**EXECUTIVE MBA HEALTHCARE**

Learn more and register for an info session:  
[www.katz.business.pitt.edu/emba/healthcare](http://www.katz.business.pitt.edu/emba/healthcare)