

NSF Smart and Connected Health Visioning Meeting

Monday, March 20, 2017, Barrister's Hall, Boston University School of Law ([Map Location](#))

8:00 am – 8:30 am	Continental Breakfast
8:30 am – 8:45 am	Welcome and Introductions Ioannis Ch. Paschalidis, PhD Professor, Department of Electrical and Computer Engineering, Director, Center for Information and Systems Engineering, Boston University
8:45 am – 9:15 am	Introductions All visioning members
9:15 am – 9:30 am	Creating a Vision for Next Generation Smart Health Wendy Nilsen, PhD Program Director, Smart and Connected Health National Science Foundation
9:30 am – 9:45 am	Break
9:45 am – 10:45 am	Personalizing Health: Using complex analytics, visualization and decision aides to advance health. Personalized medicine has become a buzz phrase in health, although transforming the complex data unique to the individual will require new tools and partnerships to realize its potential. Dimitris Bertsimas, PhD Boeing Leaders for Global Operations Professor Sloan School of Management, Massachusetts Institute of Technology Jennifer Dy, PhD Professor, Department of Electrical and Computer Engineering Northeastern University Dan Roth, PhD Professor, Department of Computer Science University of Illinois at Urbana-Champaign

Ida Sim, PhD, MD
Professor, School of Medicine
University of California, San Francisco

10:45 am – 11:00 am

Break

11:00 am – 12:00 pm

Small Group Breakouts – Personalizing Health
Three groups with moderators

12:15 pm – 1:15 pm

Working Lunch: Keynote
Kamal Jethwani, MD, MPH
Senior Director of Connected Health Innovation
Partners Healthcare

1:15 pm – 1:45 pm

Report Back from Small Groups

1:45 pm – 2:45 pm

Closing the Loop and the Internet of Things to improve health outcomes. The growth of sensing in the medical realm, as well as in the Internet of Things, has made new opportunities for closing the loop in health data and treatment and creating a learning health system. Connecting these data, devices and individuals will require novel expertise from multiple sectors.

Ed Damiano, PhD
Professor, Biomedical Engineering
Boston University

Donna Spruijt-Metz, MFA, PhD Director,
USC mHealth Collaboratory, Dornsife Center for Economic and Social Research,
University of California

David Kotz, PhD
Champion International Professor
Department of Computer Science at Dartmouth College

John Stankovic, PhD
BP America Professor, Department of Computer Science
University of Virginia

2:45 pm – 3:00 pm

Break

3:00 pm – 4:00 pm

Small Group Breakouts – Closing the Loop
Three groups with moderators

4:00 pm – 4:15 pm	Break
4:15 pm – 5:00 pm	Report Back from Small Groups
6:00 --	Networking Dinner – Details will be announced during the meeting.

Tuesday March 21, 2017, Boston University Trustees Ballroom ([Map Location](#))

8:00 am – 8:30 am	Continental Breakfast
8:30 am – 9:00 am	<p>Summary and Today’s Charge Sylvia Spengler, PhD Program Director, Information and Intelligent Systems National Science Foundation</p>
9:00 am – 10:00 am	<p>The new technology frontier in health: Shaping the connections between humans and technology. Critics have often noted that technology innovation in health and medicine has often lagged behind the other sectors. While the rationale for this timeframe is clearly multifaceted, it is clear that better collaboration and coordination is needed between computing, engineering, and health and medical researchers.</p> <p>Sherry Pagoto, PhD Professor, Medicine University of Massachusetts Medical School</p> <p>Katie Siek, PhD Associate Professor, Informatics and Director of Informatics Indiana University – Bloomington</p> <p>René Vidal, PhD Professor of Biomedical Engineering, Computer Science, Mechanical Engineering, & Electrical and Computer Engineering Johns Hopkins University</p> <p>Eric Wade, PhD</p>

Assistant Professor, Department of Mechanical, Aerospace and
Biomedical Engineering,
University of Tennessee, Knoxville

10:00 am – 10:15 am

Break

10:15 pm – 11:15 am

Small Group Breakouts

11:15 am – 12:00 pm

Report Back from Small Groups

Three groups with moderators

12:00 pm -- 1:00 pm

Working Lunch – Conclusion and Next Steps