

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Digital Health: From Science to Application (A5)

January 21-25, 2019 • Keystone Resort • Keystone, Colorado, USA

Scientific Organizers: Geoffrey S. Ginsburg, Sue Siegel and Eric D. Perakslis

Supported by the Directors' Fund

Abstract & Scholarship Deadline: October 2, 2018 / Abstract Deadline: October 24, 2018 / Discounted Registration Deadline: November 27, 2018

MONDAY, JANUARY 21

Arrival and Registration

TUESDAY, JANUARY 22

Welcome and Keynote Session

Sue Siegel, GE Ventures, USA
Digital: The Future is Now

The Science Behind Digital Technology

Miah Wander[†], Microsoft, USA
Talk Title to be Announced

Tuan Vo-Dinh, Duke University, USA
Novel Molecular Sensors and the Applications

Richard E. Kuntz, Medtronic, USA
The Science of Novel Sensing Devices

Short Talk(s) Chosen from Abstracts

Digital Health and Genomics Convergence

David Shaywitz, Takeda Ventures, Inc, USA
Overcoming the Data Science Implementation Challenge in Pharma R&D

Isaac Kohane, Harvard Medical School, USA
SMART Technologies and Health Care

James Lu, Helix, USA
Sequence Once, Query Often

Short Talk Chosen from Abstracts

Poster Session 1

WEDNESDAY, JANUARY 23

Applications of Digital Health to Personal Wellness

Erwin P. Böttinger, Hasso-Plattner-Institut für Digital Engineering gGmbH, Germany
Hasso-Plattner-Institut Digital Health Center: Creating Citizen-Centered Solutions for Better Health

Jason M. Langheier, Zipongo, USA
Digital Nutrition Management

Ida Sim, University of California, San Francisco, USA
Making Sense of Health Data

Short Talk(s) Chosen from Abstracts

Applications of Digital Health Technologies to Drug Development

Deborah Kilpatrick, Evidation Health Inc., USA
Digital Phenotyping and Post Approval Monitoring of Drugs

Eric D. Perakslis, Datavant, USA
Digital Biomarkers and More Efficient Clinical Drug Development

Andrea Coravos, Elektra Labs, USA
Digital Biomarkers, Sensors, Algorithms, and the Future of Research

Chris Benko, Koneksa Health, USA
Clinical Trials using Real World Data

Short Talk Chosen from Abstracts

Poster Session 2

THURSDAY, JANUARY 24

Keynote Address

Sumbul Ahmad Desai[†], Apple Inc., USA
The Next Frontier of Digital Health, Science, and Health

Developing Cohort Studies with Multiscale Multidimensional Data

Jeffrey Olgin, University of California, San Francisco, USA
eCohorts and eTrials

Robert Califf[†], Duke University, Verily Life Sciences, USA
Talk Title to be Announced

Eric Dishman, National Institutes of Health, USA
Accelerating Precision Health for All of Us: The All of Us Research Program

Short Talk(s) Chosen from Abstracts

Workshop and Panel: Strategies for Successful Digital Health Implementation

***Sanjeev Bhavnani**, Scripps Clinic Rancho San Diego, USA

***John Rumsfeld**, American College of Cardiology, USA

Specific Disease Applications of Digital Health

Thomas R. Insel, Mindstrong Health, USA
Transforming Brain Health

Helen L. Egger, New York University, USA
Autism and Beyond

Aenor Sawyer, University of California, San Francisco, USA
The Clinical-Digital Innovator

Short Talk Chosen from Abstracts

Poster Session 3

FRIDAY, JANUARY 25

Regulatory and Reimbursement Pathways

Patrick Conway[†], BlueCross BlueShield of North Carolina, USA
Talk Title to be Announced

Sean Khozin[†], Food and Drug Administration, USA
Talk Title to be Announced

Busy Burr, Humana, USA
The Future of Digital Health Innovation

Harold Paz, Aetna, USA
Digital Health and the Triple Aim

Short Talk(s) Chosen from Abstracts

Digital Health - What's the Value Proposition?

John Rumsfeld[†], American College of Cardiology, USA
Talk Title to be Announced

Paul McNamee[†], University of Aberdeen, UK
Talk Title to be Announced

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Calum A. MacRae, Brigham & Women's Hospital, USA
Biology Proximal Measures and Patient Trajectories

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

SATURDAY, JANUARY 26

Departure