

# 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

##### Speaker 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

##### Speaker to be Announced

**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 Ogin**, University of California, San Francisco, USA  
*eCohorts and eTrials*

**Jessica L. Mega†**, Verily Life Sciences, USA  
*The Baseline Study*

**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

#### 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

##### Speaker to be Announced

**Bakul Patel†**, Food and Drug Administration, USA  
*Digital Acceleration*

**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?

##### Speaker 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