MONDAY, APRIL 5
Arrival and Registration

TUESDAY, APRIL 6
Welcome and Keynote Session (Joint)
Amy P. Abernethy†, Food and Drug Administration, USA
Moving toward a Tech-Savvy, Patient-Centric Future for Drug Development and Regulation
Peter Lee†, Microsoft Research, USA
Reimagining Biomedicine as a Digital Ecosystem

Digital Inputs in Health Care (Z2)
Nancy Jean Cox, Vanderbilt University Medical Center, USA
Integrating Genomics with Traditional EMR Data at Scale
Rahul C. Deo, Brigham and Women’s Hospital, USA
Machine Learning to Increase Information Content
Speaker to be Announced
Short Talks Chosen from Abstracts

Use of Machine Learning in Drug Discovery and Drug Repurposing (Z1)
Speaker to be Announced
Karen Akinsanya, Schrödinger, USA
Prime Time for in-silico Drug Development: From the Cloud to the Patient
Short Talks Chosen from Abstracts

Digital Outputs in Healthcare (Z2)
Benjamin Scirica, Brigham and Women's Hospital, USA
Remote Chronic Clinical Care through Digitally-Enabled Workflow Re-Design
Ann Marie Navar, Duke University Medical Center, USA
Outcomes in Digital Health
Adam Gazzaley†, University of California, San Francisco, USA
Digital Therapeutics
Short Talks Chosen from Abstracts

How Does Digital Health Technology Change the Drug Development? (Z1)
Chris Benko, Koneksa Health, USA
Technology Enabled Opportunities to Improve Clinical Endpoints for Proof of Concept through Registration
Marcella Ruddy, Regeneron Pharmaceuticals, Inc., USA
From Science to Application: Digital Biomarkers to Accelerate Drug Development
Qi Liu, Food and Drug Administration, USA
Use of Sensors and Mobile Technology in Drug Development
Short Talks Chosen from Abstracts

Poster Session 1

WEDNESDAY, APRIL 7
Creating and Validating New Datasources for Healthcare (Z2)
Speaker to be Announced
Omer T. Inan, Georgia Institute of Technology, USA
Building Sensors for Novel Variables
Sara Browne, University of California, San Diego, USA
Digital Tools for Medication Compliance
Speaker to be Announced
Short Talks Chosen from Abstracts

Utilizing Real-World Data to Advance Drug Development and Precision Medicine (Z1)
Sean Hennessy, University of Pennsylvania Perelman School of Medicine, USA
The Past, Current and Future of Pharmacoepideiology
Rebecca Miksad, Flatiron Health, Inc, USA
Real world data: Accelerating drug development in the digital age.
Michael Fried, Target PharmaSolutions, USA
Evolving Impact of Real-World Evidence
David Martin†, Food and Drug Administration, USA
The FDA MyStudies App: Patient Centered Outcomes Research Trust Fund Enabler for Distributed Clinical Trials and Real World Evidence Studies
Short Talks Chosen from Abstracts

Multi-Omic Precision Medicine in the Digital Age (Joint)
Jonathan Hirsch, Syapse, USA
EHR and Genomics Data
Lawrence H. Schwartz, Columbia University Medical Center, USA
Radiomics and AI
Jack A. Gilbert, University of California, San Diego, USA
Understanding the Microbiome-Drug Nexus in the Age of Digital Health
Short Talks Chosen from Abstracts

Poster Session 2

THURSDAY, APRIL 8
Putting it all Together-Active use Cases (Z2)
Tim Shaw, University of Sydney, Australia
Digital Technologies Supporting New Models of Care
Todd Johnson, Optum, USA
Digital Innovation with a Payer

* Session Chair † Invited but not yet accepted     Program current as of March 13, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
KEYSTONE SYMPOSIA  
on Molecular and Cellular Biology

Digital Paths to Improve Human Health (Z2)
Scientific Organizers: Calum A. MacRae and Miah Wander
Supported by the Directors' Fund

Drug Development in the Digital Age (Z1)
Scientific Organizers: Chris Benko and Qi Liu
April 5-8, 2021 • Snowbird Resort • Snowbird, UT, USA
Supported by the Directors' Fund


Speaker to be Announced
Digital Innovation in Pharma
Andrea (Andy) Coravos, Elektra Labs, USA
Regulatory Framework for Digital Health

Short Talks Chosen from Abstracts
Virtualization of Clinical Trials (Z1)
Anne Heatherington, Takeda Pharmaceuticals, USA
Improving Efficiency of Clinical Trials through Technology: A Target Rich Environment
Lara Mangravite, Sage Bionetworks, USA
Open-AD: A Radically Open approach to Diversity the AD Drug Portfolio
Lisa A. Shipley, Merck Research Laboratories, USA
Optimizing Pharmacology with Novel Data Sources
Jon Duke†, Georgia Institute of Technology, USA
Synthetic Cohorts in Oncology Clinical Development

Creating the Environment for Digital Healthcare (Z2)
Speaker to be Announced
Sherri Rose†, Harvard Medical School, USA
Measuring and Managing Risk in Healthcare

Speaker to be Announced
Short Talks Chosen from Abstracts
Al, Data Sharing and Ethical Considerations (Z1)
Daniel Rubin, Stanford University, USA
Data Sharing through Distributed Learning
Marsali Hancock, EP3 Foundation, USA
Let’s Get Technical: How to Bridge Cross-Sector and Cross-Border Data Silos

Short Talks Chosen from Abstracts
Centering Technology on the Patient (Z2)
April W. Armstrong†, University of Southern California, USA
User Interfaces and Digital Engagement
Speaker to be Announced
Andrea Grimes Parker†, Georgia Institute of Technology, USA
Ensuring Inclusion in the Digital Health Revolution

Short Talks Chosen from Abstracts
Patient Focus (Z1)
Lynn Barghout Jafar†, Loulou Foundation, UK
Advancing Research Together for CDLK5 Deficiency: Patients, Parents, Academia and Industry

Yvonne Yu-Feng Chan, Otsuka Pharmaceuticals, USA
Digitalized Medicines in the Digital Medicine Era
Speaker to be Announced
Short Talks Chosen from Abstracts
Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Z2)
Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Z1)

FRIDAY, APRIL 9
Departure

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