Personalized Medicine
10.0

Has it changed your life?

South San Francisco Conference Center
Friday 2 June 2017
8:00am - 7:30pm

A San Francisco State University Biology Conference

http://personalizedmedicine.sfsu.edu
Personalized medicine seeks to use genetic variation to develop new diagnostic tests and treatments and to identify the sub-groups of patients for whom they will work best. This approach can also help determine which groups of patients are more prone to developing some diseases and, ideally, help with the selection of lifestyle changes and/or treatments that can delay onset of disease or reduce its impact.

This year, to celebrate our tenth anniversary conference on personalized medicine, we take a longer view, looking at how our lives have changed since the advent of personalized, precision and genomic medicine, and just how far we have yet to go. We revisit the topics we focused upon in previous years, including bioinformatics, oncology, epigenetics, the genomics of rare disease, nth generation sequencing technologies, the microbiome, and the unprecedented developments in gene therapy and genome editing. We examine the hard science, the clinical applications, the business potential, and the regulatory and ethical implications of personalized medicine in 2017. Where next for our society and our species?
Conference Program At-A-Glance

8.00
Registration / Breakfast & Networking

8:50
Opening Remarks
Michael A. Goldman, Ph.D., Professor & Chair, Department of Biology, SF State University
Keith J. Bowman, Ph.D., Dean, College of Science & Engineering, SF State University
Leslie E. Wong, Ph.D., President, San Francisco State University

9:00
Opening Keynote
Personalized Medicine: It sure changed our lives!
Amylynne Santiago Volker, President/Founder, Nicholas Volker One in a Billion Foundation

MModerator: Richard M. Lawn, Ph.D., Executive Director, Scientific Affairs, Audentes Therapeutics

9:35
Making Precision Medicine Socially Precise
Esteban G. Burchard, M.D., M.P.H., Harry Wm. and Diana V. Hind Distinguished Professor in Pharmaceutical Sciences II, Professor, Bioengineering & Therapeutic Sciences and Medicine, University of California, San Francisco

10:10
Personalized Medicine for a Longer Healthspan
James J. Kovach MD, JD, Director, Translational Entrepreneurship & Industry Research Alliances, UC Davis Health System

10:45
Break

11:05
Targeting Prostate Cancer
Colin Collins, Ph.D., Vancouver Prostate Centre

11:40
HIV and Personalized Medicine – A view over three decades
Christos J. Petropoulos, Ph.D., Vice President of Research and Development and Chief Scientific Officer, Monogram Biosciences, Vice President, LabCorp Inc.

12:15
Wrap-Up & Perspective

12:25
Lunch

1:15
Immuno-Oncology: Driving Safe Convertible CARs to Personal Benefit
David W. Martin, M.D., CEO, AvidBiotics

1:50
Changing Future Lives: Preparing the next generation of innovators
Ragnar von Schiber, Associate Director, Corporate Citizenship, Genentech, Inc.

2:10
The Microbiome in Complex Disease
Bernat Baeza Raja, Ph.D., Scientist II, Second Genome, Inc.

2:45
Personalized Medicine Targets the Genome: High-precision Gene Editing and Gene Regulation Using Designed Zinc Finger Proteins
Ed Rebar, Ph.D., Vice President, Technology, Sangamo Therapeutics, Inc.

3:20
Break

4:00
Donor-Derived Cell-Free DNA: An Accurate, Precise, and Dynamic Biomarker for Improved Patient Management for Solid Organ Transplantation
Marica Grskovic, Ph.D., Associate Director, Research & Development, CareDx, Inc.

4:35
Wrap-Up & Perspective

4:55
Closing Keynote
Genomic Medicine for Our Time
Charis Thompson, Ph.D., Chancellor’s Professor and Chair, Department of Gender and Women’s Studies, Center for Science, Technology, and Medicine in Society, University of California, Berkeley, and the London School of Economics

5:45
Closing Remarks
Kevin Mullin, Speaker Pro Tempore & Chair, Select Committee on Biotechnology, California State Assembly
Michael A. Goldman, Ph.D., Chair, Department of Biology at SF State

6:00
Reception – Student Posters

7:30
Close
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