The past few years have witnessed a revolution in the understanding of health and disease, engendered by the sequencing of the human genome. Personalized medicine hopes 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. Personalized medicine 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.

Personalized medicine is poised to transform healthcare over the next several decades. It also offers the possibility of improved health outcomes and has the potential to make healthcare more cost-effective.

This year, our conference focuses on the exciting area of epigenetics, or genetic change above and beyond the DNA sequence level, with profound implications for personalized medicine, pharmacogenomics, aging and oncology. Come witness the transformation as it is happening. The conference is held at the South San Francisco Conference Center, to allow for broader participation, and to celebrate the Department’s partnership with the City of South San Francisco—the hub and the birthplace of biotechnology.
The Time is Now

2012 Conference 24 May

Conference Program At-A-Glance

8:00  Breakfast
     Master of Ceremonies: David Ewing Duncan
     University of California, Berkeley, & BiotechNation

8:50  Introductory Remarks
     Michael A. Goldman, Ph.D., Professor & Chair, Department of Biology, SF State University
     Sheldon Axler, Ph.D., Dean, College of Science & Engineering, SF State University
     Sue V. Rosser, Ph.D., Provost & Vice President for Academic Affairs, SF State University

9:00  Keynote: Personalized Medicine and the Epigenetics of Common Disease
     Michael Snyder, M.D., Ph.D., Chair/Director, Department of Genetics & Stanford Center for Genomics and Personalized Medicine, Stanford University

9:50  Keynote: Epigenetics – Epigenetic Pathways Modulating Aging
     Brian Kennedy, Ph.D., CEO, Buck Institute for Research on Aging

10:30 Break

10:50 Epigenetics of Human Adult Stem Cell Aging and Life Extension
     Victoria Lunyak, Ph.D., Associate Professor, Buck Institute for Research on Aging

11:40 Of Mice, Men, and Prostate Cancer
     Colin Collins, Ph.D., & Yuzhuo Wang, Ph.D., Vancouver Prostate Centre

12:30 Lunch & Networking

1:20 Panel: Advances in Diagnostics & Medicines
     Steven M. Anderson, Ph.D., Chief Scientific Officer of Oncology and Genetics, LabCorp
     Jorge A Leon, Ph.D., President/CEO, Leomics Associates, Inc.
     Tom Anderton, JD, Vice President, Intellectual Property & Legal Affairs, Presidio Pharmaceuticals, Inc.

2:10 Epigenetic Approaches to Cancer Therapy
     Kyle J. MacBeth, Ph.D., Celgene Corporation

3:00 Break

3:20 Panel: Realizing Epigenomic Medicine
     Cristina Gentilini, Ph.D., Commercial Research Scientist, Swedish Biomimetics 3000
     Richard M. Lawn, Ph.D., Executive Director, Translational Medicine, SomaLogic, Inc.
     Arturo Orjalo, Ph.D., Research Scientist, Biosearch Technologies, Inc.

4:10 Closing Keynote: Personalized Medicine and the Epigenomics Frontier
     Jorge A Leon, Ph.D., President/CEO, Leomics Associates, Inc.

5:00 Closing Remarks:
     Kevin Mullin, Former Mayor, City of South San Francisco

5:15 Reception

7:30 Close
Conference Organizing Team:

**Arlene Essex**  
Fiscal Analyst  
SF State College of Science & Engineering

**Michael A. Goldman, Ph.D.**  
Professor & Chair  
SF State Department of Biology

**Ken Hitchner**  
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**Sally G. Pasion, Ph.D.**  
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**John Wulf**  
President  
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Watch for Personalized Medicine 6.0 in 2013! Visit our website or contact us for information about the conference or to be a sponsor.

[http://personalizedmedicine.sfsu.edu](http://personalizedmedicine.sfsu.edu)

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The Department of Biology at SF State University

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