Faculty

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Investigator, Howard Hughes Medical Institute
Stanford University
Stanford, California

Irvine, California

Keynote Speaker
Leroy Hood, M.D., Ph.D.
President, Institute for Systems Biology
Seattle, Washington
Dear Colleague,

We invite you to another exciting day and a half program on Friday, March 5 and Saturday, March 6, 2010 in beautiful San Diego, California. Once again, this year’s program will be held at The Neurosciences Institute Auditorium.

As you will see in the enclosed program, we are inviting a dynamic group of speakers who will cover a wide range of topics. Presentations will focus around the whole genomic sequencing of people during the Friday afternoon session and will be followed by our annual evening welcome reception at Scripps Translational Science Institute. On Saturday, we are excited to host the distinguished Dr. Leroy Hood as our keynote speaker. Dr. Hood is recognized as one of the world’s leading scientists in molecular biotechnology and genomics. Dr. Hood will address the group on The Future of Genomic Medicine.

Our goal is to continue to examine the salient progress and challenges in the field of genomics that will change medicine with concise presentations allowing ample time for interactive panel and participant discussions following each topic series.

We look forward to your participation and another successful conference,

Eric J. Topol, M.D. and Robert L. Strausberg, Ph.D.
Course Co-Directors

Educational Objectives
• Demonstrate the unmet needs of medicine today with respect to more targeted, individualized prevention and treatments.
• Discuss the opportunities of the genome, proteome, metabolome discovery to change medical practice as it exists today.
• Assess how changes and advances in technology are rapidly ushering in a whole array of new pathways for individualized medicine of the future.
• Explore specific strategies in cancer, cardiovascular and pharmacogenomic interventions.

Who Should Attend?
• Human geneticists
• Genomic scientists
• Researchers
• Physicians
• Health care professionals of all disciplines interested in the future of medicine, especially with respect to individualized therapies.

Scripps Translational Science Institute
Scripps Translational Science Institute (STSI), a bridge between the Scripps Health organization and The Scripps Research Institute, is transforming and integrating clinical and basic research by promoting interdisciplinary omics-based translational research efforts which advance the field of individualized personalized medicine. STSI is supported by the NIH flagship program, Clinical and Translational Science Award (CTSA). Besides Scripps, there are collaborations with the Burnham Institute for Medical Research, Children’s Hospital of Philadelphia, Genomics Institute of the Novartis Research Foundation, J. Craig Venter Institute, Salk Institute for Biological Studies, San Diego State University, San Diego Supercomputer Center and The Neurosciences Institute on the San Diego Mesa. The Institute emphasizes three dimensions of translation: i) traditional bench-to-bedside, ii) bedside-to-bench and back-to-bedside, and iii) bedside to the community medicine. STSI harnesses the excitement of today’s scientific advances to catapult tomorrow’s preventions, betterment of health, and the training of future leaders of academic medicine.

For more information on Scripps Health, visit www.scripps.org.
For more information on The Scripps Translational Science Institute (STSI), visit www.stsiweb.org.

The J. Craig Venter Institute
The JCVI is a not-for-profit research institute in Rockville, MD and La Jolla, CA dedicated to the advancement of the science of genomics; the understanding of its implications for society; and communication of those results to the scientific community, the public, and policymakers. Founded by J. Craig Venter, Ph.D., the JCVI is home to approximately 400 scientists and staff with expertise in human and evolutionary biology, genetics, bioinformatics/informatics, information technology, high-throughput DNA sequencing, genomic and environmental policy research, and public education in science and science policy. The legacy organizations of the JCVI are: The Institute for Genomic Research (TIGR), The Center for the Advancement of Genomics (TCAG), the Institute for Biological Energy Alternatives (IBEA), the Joint Technology Center (JTC), and the J. Craig Venter Science Foundation. The JCVI is a 501 (c) (3) organization.

For more information on the J. Craig Venter Institute, visit www.JCVI.org.
Program  Friday, March 5 and Saturday March 6, 2010

Friday, March 5, 2010
Noon  Registration and Lunch
12:30p.m. Welcome and Overview—Eric J. Topol, M.D.
12:35p.m. Genomic Medicine and Beyond—Greg Lucier

Session: Whole Genome Sequencing of People
Moderators: Robert L. Strausberg, Ph.D. and Nicholas J. Schork, Ph.D.

1:00p.m. Paired Normal and Tumor Sequencing
Elaine R. Mardis, Ph.D.
1:20p.m. Rapid Individual Sequencing
Stephen R. Quake, Ph.D.
1:40p.m. Multiple Individual Sequencing
Stephen F. Kingsmore, Ph.D.
2:00p.m. Whole Genome by Multiple Platforms
Samuel Levy, Ph.D.
2:20p.m. Refreshment Break, View Exhibits and Networking
2:50p.m. Exome Sequencing
Deborah Nickerson, Ph.D.
3:10p.m. Will Missing Heritability be Filled in by Sequencing?
Joseph Nadeau, Ph.D.
3:30p.m. Extrapolating Genomic Data for Prevention of Diseases
Sarah S. Murray, Ph.D.
3:50p.m. Structural Variants and Genomic Medicine
Stephen W. Scherer, Ph.D.
4:10p.m. Afternoon Panel Discussion and Q&A

Saturday, March 6, 2010

Saturday Morning Session
7:15a.m. Registration and Breakfast
7:45a.m. Welcome
  Eric J. Topol, M.D. and Robert L. Strausberg, Ph.D.

8:00a.m.  Keynote: The Future of Genomic Medicine
  Leroy Hood, M.D., Ph.D.

Session: Cancer Genomics
Moderators: Robert L. Strausberg, Ph.D. and Hakon Hakonarson, M.D., Ph.D.

9:00a.m.  Overview
  Robert L. Strausberg, Ph.D.
9:15a.m.  Genomic Landscape of Cancer
  Will Parsons, M.D., Ph.D.
9:30a.m.  Large-scale Cancer Clinical Genomics
  George D. Demetri, M.D.
9:45a.m.  Refreshment Break, View Exhibits and Networking
10:15a.m. Individualized Cancer Genomics
  Marco A. Marra, Ph.D.
10:30a.m. Pediatric Cancers
  Hakon Hakonarson, M.D., Ph.D.
10:45a.m. Morning Panel Discussion and Q&A
11:15a.m. 3rd Annual Scripps Genomic Medicine Award Presentation
11:30a.m. Lunch, View Exhibits and Networking

Saturday Afternoon Session I
Moderators: Nicholas J. Schork, Ph.D. and Bruce Beutler, M.D.

Noon  H1N1 Influenza
  Nancy J. Cox, Ph.D.
12:15p.m. Microbiome
  Karen E. Nelson, Ph.D.
12:30p.m. Genomics of the Host
  Bruce Beutler, M.D.
12:45p.m. MRSA
  Nicholas J. Schork, Ph.D.
1:00p.m. AIDS and Hepatitis C
  David B. Goldstein, Ph.D.
1:15p.m. Afternoon Panel I Discussion and Q&A
1:45p.m. Refreshment Break, View Exhibits and Networking
Afternoon Session II: Genomics Of Health And Aging
Moderators: Sarah S. Murray, Ph.D.
and Stephen W. Scherer, Ph.D.

2:15p.m. **Model Organism**
Andrew Dillin, Ph.D.

2:30p.m. **Genomics of Aging**
Nir Barzilai, M.D.

2:45p.m. **Mitochondria and Aging**
Doug C. Wallace, Ph.D.

3:00p.m. **Centenarians**
Thomas T. Perls, M.D., M.Ph.
and Paola Sebastiani, Ph.D.

3:15p.m. **Healthy Aging**
Eric J. Topol, M.D.

3:30p.m. **Afternoon Panel II Discussion and Q&A**

4:00p.m. **Refreshment Break, View Exhibits and Networking**

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Afternoon Session III: Pharmacogenomics
Moderators: Samuel Levy, Ph.D.
and Eric J. Topol, M.D.

4:30p.m. **Pediatric Pharmacogenomics**
Michael R. Hayden, MB, ChB, Ph.D.

4:45p.m. **Metformin**
Kathleen M. Giacomini, Ph.D.

5:00p.m. **Cardiovascular Pharmacogenomics**
Stephen B. Liggett, M.D.

5:15p.m. **Warfarin**
David A. Flockhart, M.D., Ph.D.

5:30p.m. **Pharmacogenomics Network**
Russ B. Altman, M.D., Ph.D.

5:45p.m. **Afternoon Panel III Discussion and Q&A**

6:15p.m. **Wrap-Up**

6:30p.m. **Adjourn**

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**Conference Location**

San Diego, California

Beautiful San Diego is California’s second largest city where blue skies keep watch over 70 miles of beaches and an almost perfect climate provides an idyllic setting for partaking in the many business and leisure activities. Nestled on the northern edge of San Diego is La Jolla. La Jolla means “The Jewel” in Spanish and it is the jewel of San Diego. Located just 15 minutes from downtown, it is known throughout the world for its beautiful beaches and year-round temperate weather. La Jolla is an exquisite combination of a southern European resort atmosphere and Southern California fun. In addition to fine restaurants, it is unique in that it maintains its quaint village atmosphere within a sophisticated cosmopolitan environment offering a varied selection of hotels, shopping, dining, events and attractions. Furthermore, San Diego is the model conference location as a city leading the nation in biomedical, high-tech and telecommunication industries.

[www.sandiego.org](http://www.sandiego.org)  [www.lajolla.com](http://www.lajolla.com)

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**Exhibit and Support Opportunities**

For information on exhibit and support opportunities during this and many other Scripps educational conferences, please contact Scripps Conference Services & CME at:

[www.scripps.org/conferenceservices](http://www.scripps.org/conferenceservices)
[med.edu@scrippshealth.org](mailto:med.edu@scrippshealth.org)
[858-652-5400](tel:858-652-5400)
Recommended Lodging

The Hilton La Jolla Torrey Pines

Located only one mile from the conference venue, this beautiful hotel overlooks the internationally famous Torrey Pines Golf Course and is home to the PGA Buick Invitational and the 2008 US Open Golf Tournament. With the Pacific Ocean as a backdrop, all rooms command a spectacular view of either the ocean and championship golf course, or a meticulously tended, lush garden.

Make your reservations early! A specially priced block of rooms is being held until February 12, 2010. After that time, reservations will be accepted on a space and rate availability basis only. Be sure to request the Scripps reduced rate of only $185 per night plus tax. This low rate also includes:

- Discounted self parking ($15)
- Complimentary guestroom internet service

Please make your own hotel reservations and request the Scripps rate of $185 (plus tax, based on availability) at:

The Hilton La Jolla Torrey Pines Hotel
10950 North Torrey Pines Road
La Jolla, California 92037

Reservations: 800-HILTONS (4458667)
Online at: www.lajollatorreypines.hilton.com
Hotel Direct: 858-558-1500
Fax: 858-450-4584

Be sure to use booking code SR12 when making your reservation.
Refund, Substitution and Cancellation Policy

The course tuition is refundable, minus a $40 processing fee, if your cancellation is received in writing no later than Friday, February 26 2010. Attendee substitutions are allowed, but notification must be made in writing by Friday, February 26, 2010. After this date, under no circumstances will refunds, credits, or substitutions be granted.

No refunds or credits will be given to "no shows." Scripps reserves the right to cancel this conference, in which case a full refund of your registration fee will be provided. We are unable to refund any travel costs (flight, hotel, etc.) in the case of Scripps cancellation.

The Future of Genomic Medicine III
Friday, March 5 and Saturday, March 6, 2010
The Neurosciences Institute Auditorium • San Diego, California

Registration Fee: $80
Complimentary registration for all students, residents and fellows
(Please enclose proof of status when registering.)

Registration includes the online learning module, course tuition, breakfast(s), lunch and refreshment breaks.

Upon registration you will receive information on how to access the online learning module. The objective of this module is to become familiar with the common terms, tools and current research being done in the area of genomic medicine.

Please note, this course does not offer Continuing Medical Education credits.

To Register
Online: www.scripps.org/conferenceservices
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Mailstop: SCRC 200
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