

**7:45 Breakfast and Registration**

**8:20 Welcome**

SESSION CO-CHAIRS: JONATHAN SEBAT (UCSD) AND TOM ALBERT (ROCHE)

**8:30 RICHARD LIFTON (YALE)**  
*"DISEASE GENE DISCOVERY AND CLINICAL DIAGNOSIS USING EXOME SEQUENCING"*

**9:00 NICO KATSANIS (DUKE UNIVERSITY MEDICAL CENTER)**  
*"Modeling the Morbid Human Genome"*

**9:30 ELIZABETH WINZELER (TSRI)**  
*"USING CHEMICAL GENETICS AND GENOMICS TO FIND NOVEL PATHOGEN TARGETS"*

**10:00 MICHAEL WIGLER (COLD SPRING HARBOR LABORATORY)**  
*"CANCER: ONE CELL AT A TIME"*

**10:30 BREAK**

**10:45 NICK ERIKSSON (23ANDME)**  
*"WEB-BASED, PARTICIPANT DRIVEN GENETIC RESEARCH"*

**11:15 CHRISTOPHER GLASS (UCSD)**  
*"BUILDING AND REGULATING MACROPHAGE- AND B CELL-SPECIFIC ENHANCERS"*

**11:45 STEPHAN SCHUSTER (PENN)**  
*"AFRICAN GENOMES: CHARTING HUMAN DIVERSITY"*

**12:15 BENJAMIN YU (UCSD)**  
*"A PATIENT HISTORY REVEALED BY RNA SEQUENCING OF HUMAN HAIR: A NEW MODEL FOR DISEASE DISCOVERY"*

**12:45 LUNCH**

SESSION CO-CHAIRS : BENJAMIN YU (UCSD) AND GENE YEO (UCSD)

**2:00 HOLLY TABOR (SEATTLE CHILDREN'S RESEARCH INSTITUTE)**  
*"INNOVATIVE APPROACHES TO INFORMED CONSENT AND RETURN OF RESULTS FOR EXOME AND WHOLE GENOME SEQUENCING"*

**2:30 JONATHAN SEIDMAN (HARVARD MEDICAL SCHOOL)**  
*"GENETIC ANALYSES OF INHERITED CARDIOMYOPATHIES"*

**3:00 DAVID PAGE (WHITEHEAD INSTITUTE)**  
*"SEX CHROMOSOME EVOLUTION AND MEDICINE"*

**3:30 TREY IDEKER (UCSD)**  
*"MAPPING THE GENETIC NETWORKS OF CANCER"*

**4:00 Break**

**4:15 Keynote Address:**

**ROBERT WATERSTON (UNIVERSITY OF WASHINGTON)**  
*"DECODING THE C. ELEGANS GENOME"*

**5:15 CLOSING REMARKS**