



National Human  
Genome Research  
Institute

## Integrating Genomic Sequencing into Clinical Care: CSER and Beyond

DoubleTree by Hilton Hotel  
Bethesda, MD  
September 28, 2015

### MEETING OBJECTIVES:

1. To summarize and evaluate key scientific contributions of the Clinical Sequencing Exploratory Research (CSER) Program.
2. To identify and prioritize scientific opportunities and questions for the next 5-10 years that would address informed integration of genomic sequencing into clinical care.
3. To identify optimal organizational features of a potential follow-up program.

### Opening Remarks

8:15-8:30am	Call to order and introductions	Lucia Hindorff
8:30-8:50am	Setting the Context <i>15 min. presentation, 5 min. Q&amp;A.</i>	Eric Green
8:50-9:05am	NHGRI's Genomic Medicine Portfolio <i>10 min. presentation, 5 min. Q&amp;A.</i>	Teri Manolio
9:05-9:15am	Recommendations from NHGRI's 2014 Workshop: Future Opportunities for Genome Sequencing & Beyond	Carolyn Hutter
9:15-9:40am	CSER: Veni, Vidi, and a Roadmap to Vici <i>20 min. presentation, 5 min. Q&amp;A</i>	Katrina Goddard
9:40-9:50am	NHGRI Perspective on CSER and Overview of Meeting Topics	Lucia Hindorff

## **Presentations and Discussion**

*All topics below include consideration of relevant ELSI issues*

9:50-10:40am	Facilitating Development of a Shared Evidence Base for Healthcare Systems	Moderators: Dan Roden, Ian Krantz Challenges/ opportunities: Heidi Rehm (10 min.) Reaction: Dan Masys (10 min.) Group Discussion: 25 min. Summary: Dan Roden (5 min.)
10:40-11:00am	<i>Break</i>	
11:00-11:50am	Interpreting Variants / Actionability	Moderators: Debra Leonard, Levi Garraway Challenges/ opportunities: Gail Jarvik (10 min.) Reaction: Elaine Lyon (10 min.) Group Discussion: 25 min. Summary: Debra Leonard (5 min.)
11:50am-12:40pm	Assessing Clinical Utility	Moderators: Mary Relling, Arul Chinnaiyan Challenges/ opportunities: Robert Green (10 min.) Reaction: Euan Ashley (10 min.) Group Discussion: 25 min. Summary: Mary Relling (5 min.)
12:40-1:10pm	Working lunch (pick up lunches)	
1:10-2:00pm	Patient-centered Research: From Consent to Outcomes	Moderators: Chanita Hughes Halbert, Ben Wilfond Challenges/ opportunities: Steve Joffe (10 min.) Reaction: Matt Might (10 min.) Group Discussion: 25 min. Summary: Chanita Hughes Halbert (5 min.)

2:00-2:50pm	Increasing Ancestral, Socioeconomic and Clinical Diversity	Moderators: Pilar Ossorio, Greg Cooper Challenges/ opportunities: Jim Evans (10 min.) Reaction: Carlos Bustamante (10 min.) Group Discussion: 25 min. Summary: Pilar Ossorio (5 min.)
2:50-3:40pm	Healthcare Utilization, Economics and Value	Moderators: Katrina Armstrong, Sharon Plon Challenges/ opportunities: Dave Veenstra (10 min.) Reaction: Pat Deverka (10 min.) Group Discussion: 25 min. Summary: Katrina Armstrong (5 min.)
3:40-4:00pm	<i>Break</i>	
4:00-5:30pm	Meeting Summary and Prioritizing Future Opportunities in the Next 5-10 years  <i>15 minutes for summary slides, 75 minutes moderated discussion</i>	Summary slides: Lucia Hindorff and Carolyn Hutter  Moderators: Bob Nussbaum and Lucila Ohno-Machado
5:30-5:45pm	Closing comments	Eric Green
5:45pm	Adjourn	