

Genome Editing Standards Workshop NIST Hosted, ASGCT partnered

May 2, 2016

Microsoft Corporation

Chevy Chase, Maryland

Agenda

- 8:30 - 9:00** **Check-in & Continental Breakfast**
- 9:00 - 9:15 Welcome / Introduction to the day
Samantha Maragh (NIST)
- 9:15 - 9:45 Beyond Reproducibility in Biomedical Measurements
Anne Plant (NIST)
- 9:45 - 10:30 **Keynote address:** Defining and Improving the Specificities of Genome-Editing Nucleases
J. Keith Joung (Massachusetts General Hospital / Harvard Medical School)
- 10:30 - 10:45** **Break**
- 10:45 - 11:15 Regulatory Perspective
Lilia Bi (FDA)
- 11:15 - 11:30 Perspective from industry on measurement needs.
TBD
- 11:30 - 12:15 **Panel Discussion:** Measurement Assurance Needs for Genome Editing
Panelists: Lilia Bi (FDA), Vic Myer (Editas), Mark Behlke (IDT), Martin Aryee (Harvard), J. Keith Joung (Mass. General Hospital/Harvard), Reynald Lescarbeau (Intellia)
- 12:15 - 12:30 Charge for Breakout Sessions: Identifying Barriers, Gaps & Solutions
Samantha Maragh (NIST)
- 12:30 - 12:45** **Lunch pick-up (provided)**

12:45 - 1:45

Breakout Sessions Round 1 - during working lunch

- 1) Needs for confidence in off-target measurements
- 2) Needs for confidence in genome editing pipeline assessment and comparability
- 3) Data/Informatics Standards Considerations

1:45 - 2:00

Breakout session switch

2:00 - 3:00

Breakout Sessions Round 2

- 1) Needs for confidence in off-target measurements
- 2) Needs for confidence in genome editing pipeline assessment and comparability
- 3) Data/Informatics Standards Considerations

3:00 - 3:15

Break

Moderator Samantha Maragh (NIST)

3:15 - 4:00

Reports from breakout sessions (~15 mins each)

4:00 - 4:45

Open Discussion: Addressing identified measurement/standards barriers, gaps and solutions

4:45 - 5:00

Follow up actions / future meetings discussed

5:00 - 6:00

Networking Reception