

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
<i>Samantha Maragh (NIST)</i> |
| 9:15 - 9:45 | Beyond Reproducibility in Biomedical Measurements
<i>Anne Plant (NIST)</i> |
| 9:45 - 10:30 | Keynote address: Defining and Improving the Specificities of Genome-Editing Nucleases
<i>J. Keith Joung (Massachusetts General Hospital / Harvard Medical School)</i> |
| 10:30 - 10:45 | Break |
| 10:45 - 11:15 | Regulatory Perspective
<i>Lilia Bi (FDA)</i> |
| 11:15 - 11:30 | Perspective from industry on measurement needs.
<i>Edward Rebar (Sangamo Biosciences)</i> |
| 11:30 - 12:15 | Panel Discussion: Measurement Assurance Needs for Genome Editing
<i>Panelists: Lilia Bi (FDA), Vic Myer (Editas), Mark Behlke (IDT), Martin Aryee (Harvard), J. Keith Joung (Mass. General Hospital/Harvard), Reynald Lescarbeau (Intellia)</i> |
| 12:15 - 12:30 | Charge for Breakout Sessions: Identifying Barriers, Gaps & Solutions
<i>Samantha Maragh (NIST)</i> |
| 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