

NIST – FDA GENOME EDITING WORKSHOP

APRIL 23-24, 2018

NIST, 100 BUREAU DRIVE, GAITHERSBURG, MD 20899
BLDG. 101, GREEN AUDITORIUM

AGENDA

DAY 1 – Monday, April 23	
8:00 am	Check-in at registration desk
9:00 am	Opening Remarks Sheng Lin-Gibson, Ph.D. , Acting Division Chief, Biosystems and Biomaterials Division, NIST Raj Puri, Ph.D. , Division Director, Cellular and Gene Therapies Division, FDA
9:10 am	Introduction to NIST Genome Editing Consortium Samantha Maragh, Ph.D. , Leader, NIST Genome Editing Program
9:25 am	NIST Measurement Assurance Perspective Anne Plant, Ph.D. , NIST Fellow
9:45 am	FDA Regulatory Perspective Anna Kwilas, Ph.D. , Biologist, Center for Biologics Evaluation and Research (CBER) Stella Lee, Ph.D. , Biologist, Center for Veterinary Medicine (CVM) Zivana Tezak, Ph.D. , Associate Director for Science and Technology, Center for Devices and Radiological Health (CDRH)
10:30 am	NIH Somatic Cell Genome Editing Program Colin Fletcher, Ph.D. , Program Director, NIH/NHGRI
10:40 am	BREAK
10:50 am	Keynote: Reading an Edited Genome Fyodor Urnov, Ph.D. , Deputy Director, Altius Institute for Biomedical Sciences
11:30 am	Panel Short Talks Matt Porteus, M.D., Ph.D. , Assoc. Professor, Dept. Pediatrics, Stanford University Edward Rebar, Ph.D. , VP Technology, Sangamo Therapeutics Tom Barnes, Ph.D. , Senior VP Innovation, Intellia Therapeutics Will Eyestone, Ph.D. , Senior Project Manager, Xeno R&D, Revivacor Inc. Craig Mickanin, Ph.D. , Director-Chemical Biology & Therapeutics, Novartis Institutes for Biomedical Research
12:20 pm	Panel Discussion
12:40 pm	LUNCH BREAK (for purchase at NIST cafeteria)
1:30 pm	Lexicon Brett Robb, Ph.D. , Scientific Director, RNA & Genome Editing, New England Biolabs

1:50 pm	Assays Qualification
	Samantha Maragh, Ph.D. , Leader, NIST Genome Editing Program Shengdar Tsai, Ph.D. , Assistant Member, Dept. of Hematology St. Jude Children's Hospital Kevin Holden, Ph.D. , Head of Synthetic Biology, Synthego Corporation
2:25 pm	Data & Metadata
	Kendell Clement, Ph.D. , Research Fellow, MGH/Harvard Medical School
2:45 pm	BREAK
3:00 pm	Discussion of key questions
3:30 pm	Breakout Session Round 1
	Assay Qualification: Green Auditorium; Data & Metadata: Portrait Room; Lexicon: LR C
4:20 pm	Breakout Session Round 2
	Assay Qualification: Green Auditorium; Data & Metadata: Portrait Room; Lexicon: LR C
5:00 pm	Wrap up of Day 1
5:15 pm	Adjourn
5:30 pm	Shuttle departure from NIST to Hilton Gaithersburg

DAY 2 – Tuesday, April 24	
8:30 am	Check-in at registration desk
9:00 am	Welcome Day 2
9:10 am	Tech Talk 1: Developing Meganucleases for Clinical Applications
	Derek Jantz Ph.D. , CSO, Precision Biosciences
9:25 am	Tech Talk 2: Methods for Gene Editing Measurement and Off-Target Discovery
	Christopher Wilson Ph.D. , Sr. Director, Lead Discovery, Editas Medicine
9:40 am	Tech Talk 3: dGH Analysis Tools for Gene Editing
	Christopher Tompkins Ph.D. , President & General Manager, KromaTiD Inc.
9:55 am	Tech Talk 4: Fiber Vision Molecular Combing Platform
	Aaron Bensimon Ph.D. , CEO, Genomic Vision
10:10 am	BREAK
10:30 am	Lexicon breakout sessions report with discussion
	Brett Robb, Ph.D. , Scientific Director, RNA & Genome Editing, New England Biolabs
11:00 am	Assay Qualification breakout session report with discussion
	Samantha Maragh, Ph.D. , Leader, NIST Genome Editing Program
11:30 am	Data & Metadata breakout session report with discussion
	Kendell Clement, Ph.D. , Research Fellow, MGH/Harvard Medical School
12:00 pm	Summary and closing remarks
12:30 pm	Adjourn
1:30 – 3:30 pm	Closed NIST Genome Editing Consortium Meeting (Portrait Room)
3:45 pm	Shuttle departure from NIST to Hilton Gaithersburg