

GWG2020 | July 23rd – 25th, 2020
Genome Engineering: Future-Now Therapies

THURSDAY, JULY 23

Welcome and Introduction

9:00 – 9:15 AM Dr. Gregory Gores, Executive Dean of Research, Mayo Clinic
Dr. David A. Largaespada, President GWG

SESSION 1 - Editing Innovations

9:15 – 9:20 Session Introduction by Session Chair: Dr. Maura McGrail
Session Tech: Thomas J. Cradick

9:20 – 9:40 Dr. Andrew Anzalone Broad Institute

9:40 – 10:00 Dr. Branden Moriarity University of Minnesota

10:00 – 10:20 Dr. Deanna M. Church Inscripta

10:20 – 10:30 Session One Break-out Meetings (*Optional for attendees, required for presenters*)

SESSION 2 - Animal Editing

10:30 – 10:35 Session Introduction by Session Chair: Dr. Tad Sonstegard
Session Tech: Adam Sychla

10:35 – 10:55 Dr. Xiaolong Wang Northwest A&F University

10:55 – 11:15 Dr. Kristin Whitworth University of Missouri

11:15 – 11:30 Dr. Walter C. Low University of Minnesota

11:30 – 11:50 Flash Talks 1 (Pre-recorded)

11:50 – 12:00 Session Two Break-out Meetings (*Optional for attendees, required for presenters*)

Plummer Innovator Keynote Speaker

12:00 – 12:05 Introduction by *TBD*
Session Tech: Kit Leffler

12:05 – 12:50 Dr. Daniel Voytas, University of Minnesota

12:50 – 1:00 Q&A Session
Keynote break-out Q&A for any unaddressed questions: 02:20 - 02:30 PM

SESSION 3 - Plant Editing

1:00 – 1:05 Session Introduction by Session Chair: Dr. Feng Zhang
Session Tech: Dr. Yang Liu

1:05 – 1:25 Dr. Nat Graham Pairwise Plants, Inc

1:25 – 1:45 Dr. Heidi Kaeppler University of Wisconsin-Madison

1:45 – 2:05 Dr. Bing Yang University of Missouri

2:05 – 2:20 Flash Talks 2 (Pre-recorded)

2:20 – 2:30 Session Three Break-out Meetings (*Optional for attendees, required for presenters*)

POSTER SESSION 1

2:20 – 3:10 Attendees free to engage at this time, poster presenters of this session will have individual break-out meeting rooms within this time frame.

SESSION 4 - Meet the Editor - DNA Repair

3:10 – 3:15	Session Introduction by Session Chair: Dr. Matt Schellenberg	
	Session Tech: Anh Cong	
3:15 – 3:35	Dr. Dale Ramsden	UNC-Chapel Hill
3:35 – 3:55	Dr. Jeremy Stark	City of Hope
3:55 – 4:15	Dr. Britt Adamson	Princeton
4:15 – 4:35	Dr. Linda Jillianne Tsai	City of Hope
4:35 – 4:50	Brandon Simone	Mayo Clinic
4:50 – 5:00	Session Four Break-out Meetings (<i>Optional for attendees, required for presenters</i>)	

Global Responsible Use of Genome Writing Keynote Speaker

5:00 – 5:05	Introduction, Dr. Karl Clark	
	Session Tech: Kit Leffler	
5:05 – 5:35	Dr. Akitsu Hotta, Center for iPS Cell Research & Application (CiRA), Kyoto University	
5:35 – 5:45	Q&A Session	

Dinner Break

5:45 – 7:00

SESSION 5 - Ask a Scientist

7:00 – 7:10	Session introduction by Genome Writers Guild members Lynn Fellman & Adam Sychla	
	Session Tech: Adam Sychla	
7:10 – 7:25	Dr. Anil K. Challa, University of Alabama at Birmingham	
7:25 – 7:45	Dr. Alison Van Eenennaam, University of California-Davis	
7:45 – 8:30	Q&A moderated by Fellman and Sychla	

FRIDAY, JULY 24

SESSION 6 - COVID and Innovations

8:30 – 8:35	Session Introduction by Session Chair: Dr. Rianna Vandergaast Session Tech: Dr. Han Lee
8:35 – 8:55	Dr. Debojyote Chakraborty CSIR/IGIB
8:55 – 9:15	Dr. Rianna Vandergaast Imanis Life Sciences
9:15 – 9:30	Dr. Li Ou University of Minnesota
9:30 – 9:45	Dr. Lalitha Belur University of Minnesota
9:45 – 9:55	Session Six Break-out Meetings (<i>Optional for attendees, required for presenters</i>)

SESSION 7- Supporting the Public Trust

10:00 – 10:05	Session Introduction by Session Chair: GWG President-elect Adam Sychla Session Tech: Dr. Han Lee
10:05 – 10:25	Dr. Lluís Montoliu ARRIGE
10:25 – 10:45	Dr. Samantha Maragh NIST
10:45 – 11:05	Dr. Dennis Gastineau Mayo Clinic
11:05 – 11:20	Paige Della-Penna University of North Carolina
11:20 – 11:30	Session Seven Break-out Meetings (<i>Optional for attendees, required for presenters</i>)
11:30 – 11:45	Coffee Break

Minnesota House of Representatives Keynote Speaker

11:45 – 11:50	Session Introduction by Session Chair: Saad J. Kenderian Session Tech: Kit Leffler
11:50 – 12:20	Dr. Kelly Morrison, MN House Representative
12:20 – 12:45	Q&A Session

Lunch Break

12:45 – 1:30	Lunch Break
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SESSION 8- Genome Engineering Regulatory Landscape

1:30 – 1:35	Session Introduction by Session Chair: Dr. Perry Hackett Session Tech: Kit Leffler
1:35 – 1:55	Dr. Neil Hoffman USDA
1:55 – 2:15	Dr. Eric Bohnenblust EPA
2:15 – 2:35	Dr. Heather Lombardi FDA
2:35 – 2:40	Recess
2:40 – 3:00	Commercial producers appeal to regulators (5 min per company)
3:00 – 3:45	Q&A on Regulatory Topics
3:45 – 4:00	Flash talks 3 (Prerecorded)

POSTER SESSION 2

4:00 – 5:00	Attendees free to engage at this time, poster presenters of this session will have individual break-out meeting rooms within this time frame.
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SESSION 9- Innovations 2

5:00 – 5:05	Session Introduction by Session Chair: Han Lee?	
	Session Tech: Adam Sychla	
5:05 – 5:20	Cara E. Moravec	UW Madison
5:20 – 5:35	Bernice Thommandru	IDT
5:35 – 5:50	Kenta Yamamoto	UMN
5:50 – 6:00	Session Nine Break-out Meetings (<i>Optional for attendees, required for presenters</i>)	

Dinner Break

6:00 – 7:00	Dinner Break
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SESSION 10- Rosalind Franklin Award/Talk

7:00 - 7:10	Rosalind Franklin Society Introduction Mary Ann Liebert	
	Session Tech: Shilpa Narina	
7:10 – 7:20	RFS Medal Finalists Introduction by Erin Nolan	
	Awardee Announcement by Dr. Shondra Miller	
7:20 - 8:00	Rosalind Franklin Society Medal Laureate Lecture	
8:00 - 9:00	Women in Science Panel	

SATURDAY, JULY 25 (CME)

SESSION CME1- *Gene and Cell Therapy Symposium*

9:00 – 9:05	Session Introduction by Session Chair: Dr. Tania Jain Session Tech: Brooke Druliner
9:05 – 9:35	Dr. David Porter University of Pennsylvania
9:35 – 9:50	Dr. Tania Jain Johns Hopkins University
9:50 – 10:00	Naga Rallabandi Mayo Clinic
10:00 – 10:10	Session CME1 Break-out Meetings (<i>Optional for attendees, required for presenters</i>)

SESSION CME2- *T-cell Delivery Science & T-cell based Novel Therapies*

10:10 – 10:15	Session Introduction by Session Chairs: Dr. Giedre Krenciute & Dr. Beau Webber Session Tech: Emily Pomeroy
10:15 – 10:30	Dr. Adrian Bot Kite Pharma
10:30 – 10:45	Dr. Giedre Krenciute St Jude's
10:45 – 11:00	Dr. Mike Milone University of Pennsylvania
11:00 – 11:15	Dr Beau Webber University of Minnesota
11:15 – 11:25	Learning from Patient Heroes: Hero Number 1
11:25 – 11:35	Learning from Patient Heroes: Hero Number 2
11:35 – 11:45	Session CME2 Break-out Meetings (<i>Optional for attendees, required for presenters</i>)

11:45 – 12:00 **Flash talks 4 (Prerecorded)**

Keynote Speaker- Dr. Bruce Levine

12:00 – 12:05	Keynote Introduction by Session Chair: Session Tech: Kit Leffler
12:05 – 12:30	Dr. Bruce Levine University of Pennsylvania
12:30 – 12:45	Q&A Session

Lunch Break

12:45 – 1:30 **Lunch Break**

SESSION CME3- *Oncolytic Viruses*

1:00 – 1:05	Session Introduction by Session Chair: Dr. Autumn Schulze Session Tech: Adam Sychla
1:05 – 1:20	Dr. Eva Galanis Mayo Clinic
1:20 – 1:35	Dr. Autumn Schulze Mayo Clinic
1:35 – 1:50	Flash talks 5 (Prerecorded)
1:50 – 2:00	Session CME4 Break-out Meetings (<i>Optional for attendees, required for presenters</i>)

POSTER SESSION 3

2:00 – 3:00 Attendees free to engage at this time, poster presenters of this session will have individual break-out meeting rooms within this time frame.

SESSION CME4- Cell and Gene Therapy

3:00 – 3:05	Session Introduction by Session Co-Chairs: Dr. Scott Mclvor and Dr. Minetta Liu	
	Session Tech: Ankit Sabharwal	
3:05 – 3:20	Dr. Allan Dietz	Mayo Clinic
3:20 – 3:35	Dr. Mike Klichinsky	Carisma Therapeutics
3:35 – 3:50	James B. Papizan	St. Jude's
3:50 – 4:05	Dr. Minetta Liu	Mayo Clinic
4:05 – 4:20	Dr. Scott Mclvor	University of Minnesota
4:20 – 4:30	Session CME5 Break-out Meetings (<i>Optional for attendees, required for presenters</i>)	

Thank you and awards

4:30 – 5:00

Conference End – Adjourn

5:00