

NUCLEIC ACIDS

Production of DNA and RNA Biotherapeutics

SAVANNAH, GEORGIA USA

MAY 8–10, 2023

Chaired By:



Lawrence C. Thompson, PhD
Pfizer, Inc.



Lili Belcastro, PhD
Bristol-Myers Squibb Company

SUNDAY • MAY 7, 2023

4:00 pm – 7:00 pm **Welcome Reception and Registration** in the Foyer and Pulaski Patio, First Floor

MONDAY • MAY 8, 2023

7:00 am – 8:00 am **Registration and Breakfast** on the Pulaski Patio, First Floor

8:00 am – 8:30 am **Meeting Overview** in Pulaski, First Floor

8:30 am – 9:10 am *DNA Technologies for Non-Viral Gene Delivery for CAR T-cells*
Sophie Sichel, PhD
Bristol-Myers Squibb Company

9:10 am – 9:20 am **Water Break**

9:20 am – 10:00 am *mRNA — Analytical Solutions to Support Adoption of This Modality*
Fouad Atouf, PhD
US Pharmacopeial Convention (USP)

10:00 am – 10:30 am **Morning Break** in the Exhibit Hall

10:30 am – 11:00 am **Technology Workshop**
Pending

*All of the presentations shown in the program are included with your registration fee.
Times are Eastern Daylight Time (EDT).*

MONDAY (continued) • MAY 8, 2023

11:00 am – 11:10 am

Water Break

11:10 am – 11:40 am

Technology Workshop
Pending

11:40 am – 1:10 pm

Lunch in the Exhibit Hall • (Poster Session from 12:30 – 1:10 pm)

1:10 pm – 1:50 pm

New Tools for Discovering and Mapping Nucleic Acid Modifications

Peter Dedon, MD, PhD
Massachusetts Institute of Technology (MIT)

1:50 pm – 2:00 pm

Water Break

2:00 pm – 2:40 pm

RNA Wars: RNA Viruses Versus the RNA Biology of the Cell

Jeffrey Wilusz, PhD
Colorado State University

2:40 pm – 3:10 pm

Afternoon Break in the Exhibit Hall

3:10 pm – 3:50 pm

Establishing a High-Throughput CE-SDS Platform for Multiple Applications on Gene Therapy Analytics

Wei-Chiang Chen, PhD
Sanofi US

3:50 pm – 4:00 pm

Water Break

4:00 pm – 5:00 pm

Development of mRNA Vaccines at Lightspeed... A Regulatory Perspective

Walter Richard Pelt, II
followed by a Panel Discussion with:
Walter Richard Pelt, II, Michael Parks, Adrienne K. Stafford, and Andrew S. Nelson
Pfizer, Inc.

6:00 pm – 8:00 pm

Reception in the Exhibit Hall

TUESDAY • MAY 9, 2023

7:30 am – 8:30 am

Breakfast in the Exhibit Hall

8:30 am – 9:10 am

Fieldable Automated DNA Synthesis Technology

John Nelson, PhD
GE Research

9:10 am – 9:20 am

Water Break

9:20 am – 10:00 am

Samantha Maragh, PhD
National Institute of Standards & Technology (NIST)

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TUESDAY (continued) • MAY 9, 2023

10:00 am – 10:30 am **Morning Break** in the Exhibit Hall

10:30 am – 11:10 am **Khaled Yamout**
TriLink BioTechnologies, part of Maravai LifeSciences

11:10 am – 11:20 am **Water Break**

11:20 am – 12:00 noon **Speaker Pending**

Free Afternoon with Recommended Group Activities

Lunch on your own!

12:00 noon – 6:00 pm

- **Guided Trolley Tour of Historic Savannah** •
- **Guided Walking Tour of Bonaventure Cemetery** •

See the registration desk to sign up for activities (first come, first served)!

6:00 pm – 9:00 pm **Banquet** at the historic Green-Meldrim House

WEDNESDAY • MAY 10, 2023

7:30 am – 8:30 am **Breakfast** in the Exhibit Hall

8:30 am – 9:00 am **Technology Workshop**
Pending

9:00 am – 9:10 am **Water Break**

9:10 am – 9:40 am **Technology Workshop**
Pending

9:40 am – 10:10 am **Morning Break** in the Exhibit Hall

10:10 am – 10:50 am **Lawrence C. Thompson, PhD**
Pfizer, Inc.

10:50 am – 11:00 am **Water Break**

11:00 am – 11:40 am *DNA Matrices for mRNA Production*
Christoph Kröner, PhD
BioNTech

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WEDNESDAY (continued) • MAY 10, 2023

11:40 am – 11:50 am

Water Break

11:50 am – 12:30 pm

Marco Blanchette, PhD
Eclipse BioInnovations

12:30 pm – 1:30 pm

Lunch in the Exhibit Hall • **(Poster Session from 1:00 – 1:30 pm)**

1:30 pm – 2:10 pm

NGS for Adventitious Agent Detection and Critical Quality Attribute Assessment: Considerations and Outcomes
Qiu Ruan, PhD
Genedata, Inc.

2:10 pm – 2:20 pm

Water Break

2:20 pm – 3:00 pm

Highlights from the Molecular Toolkit for E. coli Cell Bank, DNA Plasmid, and mRNA Product Characterization
Christopher J. Wang
Merck & Co., Inc.

3:00 pm – 3:30 pm

Afternoon Break on the Pulaski Patio, First Floor

3:30 pm

Meeting Adjourns

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Due to circumstances beyond the control of meeting organizers, this program is subject to change without notice.

REV 01/10/2023