



Gene Synthesis Governance Meeting Johns Hopkins Center for Health Security

**April 9, 2019
Astor Ballroom
St. Regis Hotel, Washington, DC**

AGENDA

- 8:30-9:00** **Coffee/Pastries in George Washington Room**
- 9:00-9:15** **Welcome and Introductory Remarks**
Tom Inglesby, Director, Johns Hopkins Center for Health Security
Tricia Delarosa, HHS Office of Preparedness and Response
- 9:15-9:30** **Gene Synthesis Policy Issues since 2010**
Gigi Kwik Gronvall, Senior Scholar, Johns Hopkins Center for Health Security
- 9:30-10:45** **Back to the Future: Gene Synthesis Technology Since 2010**
Moderator: Michael Montague, Senior Scholar, Johns Hopkins Center for Health Security
Nathan Hillson, Director of Synthetic Biology Informatics, Joint Bioenergy Institute, USA
Alexis Rovner, Co-founder and CEO of 64-x
- 10:45-11:15** **Coffee Break in Salon**
- 11:15-12:30** **Gene Synthesis Providers—Policy Issues Since 2010**
Moderator: Gigi Kwik Gronvall, Senior Scholar, Johns Hopkins Center for Health Security
Patrick Boyle, Head of Codebase, Gingko Bioworks
James Diggans, Director, Bioinformatics and Biosecurity, Twist Bioscience
Sarah R. Carter, Principal, Science Policy Consulting, LLC

- 12:30-1:00 **Break and Pick up Lunch in George Washington Room**
- 1:00-2:15 **Gene Synthesis Governance at the Local Level**
Moderator: Nancy Connell, Senior Scholar, Johns Hopkins Center for Health Security
Maria Chavez, Executive Director, Treasurer & Director of Community Engagement, BioCurious
Joseph Kanabrocki, Associate Vice President for Research Safety and Professor of Microbiology, University of Chicago
Edward H. You, Supervisory Special Agent, FBI
- 2:15-2:45 **Coffee Break**
- 2:45-4:00 **Ongoing Efforts to Increase DNA Synthesis Security**
Moderator: Gigi Kwik Gronvall, Senior Scholar, Center for Health Security
David Shepherd, Science and Technology Program Manager, US Department of Homeland Security
Trevor Petrel, Director of Advanced Technology Development, Battelle
Kristin Omberg, Technical Group Manager, Chemical and Biological Signatures Science, Pacific Northwest National Laboratory
- 4:00-4:45 **Paths Forward for Gene Synthesis Governance: Town Hall Discussion**
- 4:45-5:00 **Closing**



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Meeting Participants

Evan Appleton
Harvard Medical School

Jason Bannan
FBI

Kavita Berger
Gryphon Scientific

Luciana Borio
Former National Security Staff

Katie Bowman
National Academies of Sciences,
Engineering, and Medicine

Patrick Boyle
Codebase at Ginkgo Bioworks

Cindy Bruckner-Lea
Pacific Northwest National Lab

Peter Carr
MIT Lincoln Laboratory

Sarah Carter
Science Policy Consulting

Maria Chavez
BioCurious

Eileen Choffnes

Anita Cicero
Johns Hopkins Center for Health Security

Nancy Connell
Johns Hopkins Center for Health Security

Edward Cope
GMU Biodefense/Global Health Security

Hanson Cowan
CDC

Kathleen Danskin
HHS/ASPR

Patricia Delarosa
HHS/ASPR

Diane DiEuliis
NDU

James Diggans
Twist Bioscience

Jessica Dymond
JHU APL

Samuel Edwin
CDC

Gerald Epstein
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Mallory Epting
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Jared Evans
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Rachel Evans
JHU School of Public Health

Benjamin Hasselbring
CDC

Steven Evans
Retired, Dow AgroSciences

Patricia Hernandez
Sandia National Laboratories

Phil Ferro
National Security Council Staff

Nathan Hillson
Berkeley Lab

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Federation of American Scientists

Michelle Holko
Booz Allen Hamilton

Douglas Friedman
Engineering Biology Research Consortium

James Holt
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Megan Frisk
US Department of State

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USAMRIID

Cyril Gay
USDA-ARS

Jake Jordan
NTI | bio

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Lumina Analytics

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University of Chicago

Ashley Grant
MITRE

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US Department of Defense

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MHLW/HHS

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US Department of Homeland Security

Susan Koch

Tamika Knight
US Department of Homeland Security

Joseph Hamel
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Michael Krug
George Mason University

DeKeely Hartsfield
US Department of Health & Human Services

Aditya Kunjapur
University of Delaware

Mary Lancaster
DTRA

Tiffany Nguyen
USAMRIID

Leila Langston
US Department of Energy

Ali Nouri
Federation of American Scientists

Elizabeth Lapatovich
Cherokee National Assurance at USAMRIID

Christopher O'Donnell
US Department of Homeland Security

Theresa Lawrence
HHS/ASPR

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DOD (LMI A&AS Spt)

Betty Lee
US Department of Commerce

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George Mason University

Michael Parker
McDaniel College

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Michael Patterson

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US Department of State

Dana Perkins
US Department of Health & Human Services

Jason Matheny
Georgetown University

Trevor Petrel
Battelle

Von McClee
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Georgia Ray

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Inspirion Bio

Colby Newson
CSIS

Laura Regan
OSD

Bill Rhodes
US Senate, HSGAC

David Rockcliffe
National Science Foundation

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CDC

Barbara Rogers
CDC

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Battelle Memorial Institute

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GAO, Science, Technology, Assessment,
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Sara Tharakan

Althea Treacy
NIH

Dave Shepherd
US Department of Homeland Security

Jessica Tucker
NIH/Office of Science Policy

Shruti Sinkar

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MITRE

Halley Smith
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