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
Gene Synthesis Governance Meeting

April 9, 2019
St. Regis Hotel, Washington, DC

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

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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
NDU

Mallory Epting
HHS/ASPR

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JHU APL
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

Claire Marie Filone  
JHU APL

Kimberly Hofmeyer  
MITRE

Michael Fisher  
Federation of American Scientists

Michelle Holko  
Booz Allen Hamilton

Douglas Friedman  
Engineering Biology Research Consortium

James Holt  
US Department of Health & Human Services

Megan Frisk  
US Department of State

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Johns Hopkins Center for Health Security

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Office of Science & Technology Policy

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USAMRIID

Cyril Gay  
USDA-ARS

Jake Jordan  
NTI | bio

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Lumina Analytics

Joseph Kanabrocki  
University of Chicago

Ashley Grant  
MITRE

Andy Kilianski  
US Department of Defense

Gigi Gronvall  
Johns Hopkins Center for Health Security

Kanako Kitahara  
MHLW/HHS

Andrew Haddow  
General Dynamics Health Solutions at USAMRIID

Amanda Kobokovich  
Johns Hopkins Center for Health Security

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US Department of Homeland Security

Susan Koch  
US Department of Homeland Security

Joseph Hamel  
HHS/ASPR

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George Mason University

DeKeely Hartsfield  
US Department of Health & Human Services

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University of Delaware
Mary Lancaster
DTRA

Leila Langston
US Department of Energy

Elizabeth Lapatovich
Cherokee National Assurance at USAMRIID

Theresa Lawrence
HHS/ASPR

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George Mason University

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Georgetown University

Von McClee
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Michelle McKinney
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Booz Allen Hamilton

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ASPR/Division of International Health Security

Colby Newson
CSIS

Tiffany Nguyen
USAMRIID

Ali Nouri
Federation of American Scientists

Christopher O'Donnell
US Department of Homeland Security

Michael O'Keefe
DOD (LMI A&AS Spt)

Kristin Omberg
PNNL

Michael Parker
McDaniel College

Michael Patterson

Dana Perkins
US Department of Health & Human Services

Trevor Petrel
Battelle

Perri Pleeter
DHS S&T CAPO

Jody Proescher
JHU APL

Lauren Quattrochi
MITRE

Kevin Ramkissoon
NIH

Georgia Ray

Craig Reed
Inspirion Bio

Laura Regan
OSD

Bill Rhodes
US Senate, HSGAC
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<tr>
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<td>Christina Sanders</td>
<td>National Intelligence University</td>
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