

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

**Making the Living World Engineerable
Science, Practice, and Policy**

National Academy of Sciences Building
Lecture Room
2101 Constitution Avenue, NW
Washington, DC 20418

November 16, 2016

AGENDA

7:30 am	Continental Breakfast
----------------	------------------------------

8:00 am	Welcome
----------------	----------------

Jef Boeke, Workshop Planning Committee Chair

8:10 am	Keynote: <i>A Federal Strategy in Support of An Emerging Field – Lessons from History</i>
----------------	--

Robert E. Kahn, Corporation for National Research Initiatives

8:45 am	Session 1: <i>Drivers of Innovation: Benefits and Applications</i>
----------------	---

Moderator: **Drew Endy**,* Stanford University

Speakers: **Patrick Brown**, Impossible Foods
Scott Fahrenkrug, Recombinetics
Elizabeth Sattely, Stanford University
Kevin Esvelt, Massachusetts Institute of Technology
Jef Boeke,* NYU Langone Medical Center

10:45 am	Break
-----------------	--------------

11:00 am	Session 2: <i>Changes in Technology and Practice</i>
-----------------	---

Moderator: **Lalitha Sundaram**, Arsenic Biosensor Collaboration

Speakers: **Todd Peterson**, Synthetic Genomics, Inc
Ben Shen, Scripps Research Institute
Bill Efcavitch, Molecular Assemblies
Rob Carlson, Bioeconomy Capital

12:15 pm	<i>From Science and Technology to Effective Policy</i>
Stephen Hilgartner , Cornell University	
12:45 pm	Lunch
1:45 pm	<i>Session 3: Implications of Scientific Advances and Changes in Technology and Practice (Challenges/Opportunities)</i>
Moderator: Hank Greely ,* Stanford University Speakers: Emma Frow , Arizona State University Laurie Zoloth , Northwestern University Jeantine Lunshof , University Medical Center, Groningen Kathleen Vogel , North Carolina State University	
3:15 pm	Break
3:30 pm	<i>Session 4: Policy Levers: A Strategy for Moving Forward (Regulations and other Approaches)</i>
Moderator: Shobita Parthasarathy ,* University of Michigan Speakers: Lionel Clarke , UK Synthetic Biology Leadership Council Robbie Barbero , White House Office of Science and Technology Policy Luis Campos , University of New Mexico Jane Calvert , University of Edinburgh Jason Delborne , North Carolina State University	
4:45 pm	Remarks from the Floor
5:30 pm	Adjourn

*Member of Workshop Planning Committee

Funding for this event was provided by the U.S. Department of Homeland Security, the Federal Bureau of Investigation, and Agilent Technologies.