



# **THE ENDLESS FRONTIER**

## The Next 75 Years in Science

A Symposium on the Occasion of the 75th Anniversary of  
*Vannevar Bush's Science – The Endless Frontier*

National Academy of Sciences Building  
Fred Kavli Auditorium  
2101 Constitution Avenue, NW  
Washington, DC 20418

February 26, 2020

**7:30 am – 8:15 am    Registration/Continental Breakfast**

**8:15 am – 8:20 am    Welcome**

**Marcia McNutt**, President, National Academy of Sciences

**8:20 am – 8:30 am    Remarks**

**Senator Chris Van Hollen**, D – Maryland

**8:30 am – 8:40 am    Introductory Comments**

**Kelvin K. Droegemeier**, Director, White House Office of Science and Technology  
Policy

**Robert Conn**, President and CEO, The Kavli Foundation

**8:40 am – 8:50 am    Remarks**

**Senator Lamar Alexander**, R - Tennessee

**8:50 am – 9:30 am    Setting the Stage**

The Future of Science and Technology in the United States

**Rafael Reif**, President, Massachusetts Institute of Technology

The Vannevar Bush Legacy and the Enterprise that Unfolded: Where We Are, What Has Changed, and the Challenges Ahead

**France A. Córdoba**, Director, National Science Foundation

**9:30 am – 10:00 am    The Evolving Scientific Research Enterprise**

**Moderator:**

**Victor J. Dzau**, President, National Academy of Medicine

**Panelists:**

**Gabriella González**, Professor of Physics and Astronomy, Louisiana State University

**Alan Leshner**, Retired CEO, American Association for the Advancement of Science

**Shobita Parthasarathy**, Professor of Public Policy, University of Michigan

**10:00 am – 10:20 am    Q&A with Audience**

**10:20 am – 10:45 am    Break**

**10:45 am – 11:30 am    Science Engagement with the Public**

**Moderator:**

**Elizabeth Christopherson**, President and CEO, Rita Allen Foundation

**Opening Address:**

**Alan Alda**

**Panelists:**

**Cristin Dorgelo**, President and CEO, Association of Science and Technology Centers

**Mahmud Farooque**, Associate Director, Consortium for Science, Policy and Outcomes, DC and Clinical Associate Professor, School for the Future of Innovation in Society, Arizona State University  
**Sheila Jasanoff**, Pforzheimer Professor of Science and Technology Studies, Harvard University

**11:30 am – 12:00 pm Q&A with Audience**

**12:00 pm – 1:00 pm Boxed Lunch in Great Hall**

**1:00 pm – 1:40 pm America's Unique Advantage: The Role of Government and Philanthropy in Supporting Our Research Enterprise**

**Moderator:**

**Harvey Fineberg**, President, Gordon and Betty Moore Foundation

**Opening Remarks:**

**Robert Conn**, President and CEO, The Kavli Foundation

**Panelists:**

**Adam F. Falk**, President, Alfred P. Sloan Foundation  
**Eric D. Isaacs**, President, Carnegie Institution for Science  
**Shirley Ann Jackson**, President, Rensselaer Polytechnic Institute  
**Mary Woolley**, President, Research!America

**1:40 pm – 2:00 pm Q&A with Audience**

**2:00 pm – 2:40 pm Evolution of the Government-University Research Partnership**

**Moderator:**

**Mary Sue Coleman**, President, Association of American Universities

**Speakers:**

**Kristen J. Baldwin**, Deputy Director for Strategic Technology Exploitation and Protection, U.S. Department of Defense  
**Ronald Daniels**, President, Johns Hopkins University  
**Chris Fall**, Director, Office of Science, U.S. Department of Energy  
**Carrie Wolinetz**, Associate Director for Science Policy and Director of Office of Science Policy, National Institutes of Health

**2:40 pm – 3:00 pm    Q&A with Audience**

**3:00 pm – 3:30 pm    Break**

**3:30 pm – 4:40 pm    From Basic Research to Innovation and Economic Growth, and the Next  
75 Years**

**Moderator:**

**John L. Anderson**, President, National Academy of Engineering

**Opening Addresses:**

**Norman R. Augustine**, Retired Chairman and CEO, Lockheed Martin Corporation

**Simon Johnson**, Ronald A. Kurtz (1954) Professor of Entrepreneurship and  
Professor, Global Economics and Management, MIT Sloan School of  
Management

**Panelists:**

**Robbert Dijkgraaf**, Director, Institute for Advanced Study

**Freeman A. Hrabowski**, President, University of Maryland, Baltimore County

**Laurie Leshin**, President, Worcester Polytechnic Institute

**Shirley Tilghman**, President Emerita, Princeton University

**4:40 pm – 5:00 pm    Q&A with Audience**

**5:00 pm – 5:15 pm    Concluding Remarks**

**Marcia McNutt**, President, National Academy of Sciences

**5:15 pm – 6:00 pm    Reception in Great Hall**