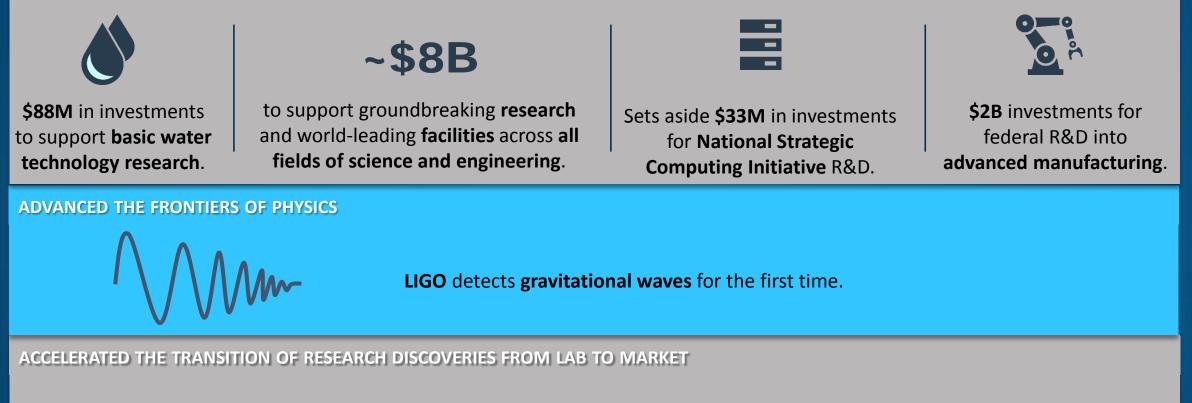
DIRECTOR'S REPORT

NATIONAL SCIENCE BOARD AUGUST 9, 2016



SELECT NSF REFERENCES IN "100 EXAMPLES OF PRESIDENT OBAMA'S LEADERSHIP IN SCIENCE, TECHNOLOGY, AND INNOVATION"

ENACTED A HISTORIC INCREASE IN RESEARCH AND DEVELOPMENT, AND MAINTAINED IT AS A PRIORITY DESPITE TIGHT FISCAL CONSTRAINTS





Expansion of I-Corps entrepreneurship training program has been adopted in 10 Federal agency partnerships.

ISSUED A NATIONAL BIOECONOMY STRATEGY



Engineering Directorate to invest in **bio and bio-inspired manufacturing** that will catalyze innovations in **energy conversion technologies and health care**.

ENCOURAGED BROAD PARTICIPATION AND EQUITY IN STEM EDUCATION



\$109M to improve undergraduate STEM Education.



Invests **\$16M** in alliances to develop new ways to **increase diversity in STEM.**

CREATED A NETWORK OF "SMART CITIES"



Over **\$35M** in **Smart Cities** grants.



Plans to invest **\$74M** to support the **BRAIN Initiative**.

INVESTED IN TECHNOLOGIES TO REVOLUTIONIZE UNDERSTANDING OF THE HUMAN BRAIN

ENHANCED U.S. EARTH-OBSERVING CAPABILITIES



Supports a **multi-site**, **national network** to gather and synthesize **data on the impacts of climate change**, **land-use change**, **and invasive species**.



Began construction on a **sensor network** to measure the physical, chemical, geological, and biological variables in the **ocean and on the seafloor**.

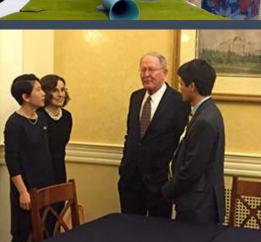
THE WHITE HOUSE AND CAPITOL HILL



2016 Community College Innovation Challenge



Senate Science Forum









5th Anniversary of National Robotics Initiative

Medal of Science Ceremonies



GLOBAL ENGAGEMENT



5th Annual Meeting, Global Research Council, New Delhi





Times Higher Education Asia Universities Summit, Hong Kong

2016 KAVLI PRIZE LAUREATES



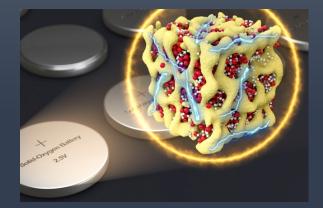
Kavli Prize



ADVANCING SCIENCE AND THE HISTORY OF SCIENCE



Advanced Wireless Research Initiative



Nanolithia Cathode Battery



TOMS/OMI CCMI Chem-Dyn-Vo Vol-Clean

Former NSF Director Neal Lane

Healing of the Antarctic Ozone Layer

LIGO Detects a 2nd Black Hole Merger

