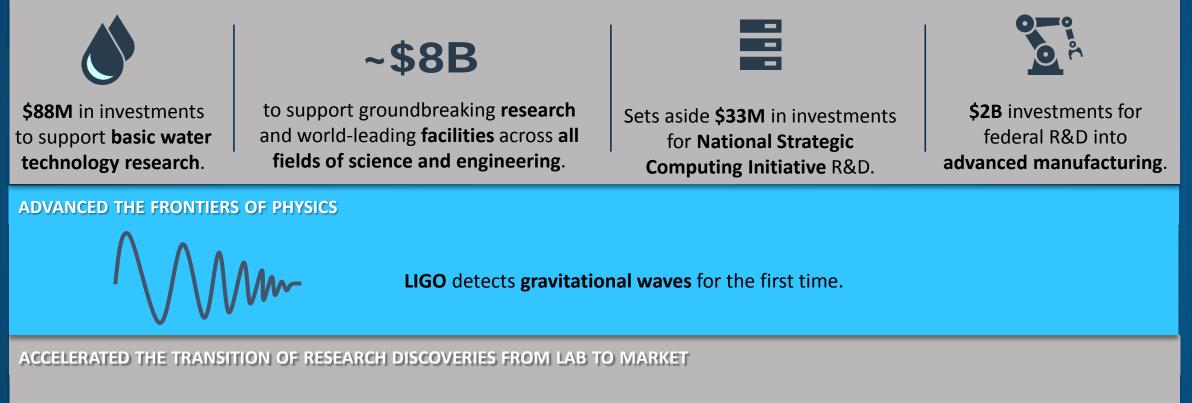
## DIRECTOR'S REPORT

# 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**.

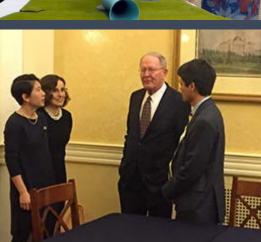
## THE WHITE HOUSE AND CAPITOL HILL



2016 Community College Innovation Challenge



Senate Science Forum









5<sup>th</sup> Anniversary of National Robotics Initiative

Medal of Science Ceremonies



### **GLOBAL ENGAGEMENT**



## 5<sup>th</sup> Annual Meeting, Global Research Council, New Delhi





Times Higher Education Asia Universities Summit, Hong Kong

#### 2016 KAVLI PRIZE LAUREATES



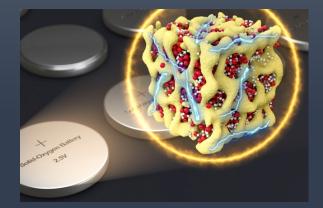
#### Kavli Prize



### **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 2<sup>nd</sup> Black Hole Merger



