November 14, 2017

The undersigned are writing to urge you to forge a bipartisan agreement that raises the Defense and non-Defense Discretionary (NDD) budget caps and provides meaningful funding increases for our nation’s science agencies.

Crafting and securing passage of an annual budget that reflects the best interests of America and Americans is undoubtedly one of the most challenging and important responsibilities Congress faces each year. We firmly believe that the 115th Congress cannot fulfill this responsibility unless the sequestration budget caps imposed under the 2011 Budget Control Act are raised.

The counter-strategic impact of the budget caps is nowhere more apparent than in the science arena. The National Science Foundation (NSF), Department of Energy (DOE), Department of the Interior (DOI), National Institute of Standards and Technology (NIST), National Oceanographic and Atmospheric Administration (NOAA), Department of Agriculture (USDA), Department of Defense (DOD), National Institutes of Health (NIH) and our nation’s other science departments and agencies support the pre-commercial research needed to mitigate the effects of natural disasters, meet Americans’ energy needs, pursue homeland and cybersecurity, overcome deadly and costly diseases, pre-empt threats to our nation’s food and antibiotic supplies, and advance other top priority objectives of the American people. Underinvestment places lives, property, our economy, and ultimately our very future as a nation and people at risk.

As it stands, federal investment in research and development (R&D) is at an historic low relative to GDP, steadily declining from nearly 2 percent at the height of the Space Race to 0.79 percent in FY16. The U.S. ranks tenth among developed nations in R&D spending as a percentage of GDP. China is achieving astonishing average annual growth in R&D spending, at 18.3%. This compares to 1.4% across other upper-middle-income countries.

The stakes are alarmingly high. If other nations continue this trajectory while our nation lags behind, we will cede far more than our science leadership: our global economic leadership and with it our level of influence in other key areas of international engagement are also bound to falter.
Beyond the reasons outlined above, the return on federal R&D – whether measured in quantitative or qualitative terms -- dwarfs our nation’s current investment in it. To secure our nation for the future and capture this untapped potential, we request that Congress act promptly to raise the caps and devote additional resources to bolstering federal science funding.

Thank you for considering our views, and for your service to our nation

Sincerely,

Mary Woolley, President and Chief Executive Officer, Research!America
Allyson K. Anderson Book, Executive Director, American Geosciences Institute
Matthew R. Bailey, President, National Association for Biomedical Research
Robert Barsley, Board Chair, Council of Scientific Society Presidents
Stefano Bertuzzi, Chief Executive Officer, The American Society for Microbiology
Sarah Brookhart, Executive Director, Association for Psychological Science
Melissa Carol Martin, President, American Association of Physicists in Medicine
Thomas Connelly Jr., Executive Director/Chief Executive Officer, American Chemical Society
Beth Cunningham, Executive Officer, American Association of Physics Teachers
Martin Frank, Executive Director, The American Physiological Society
Thomas Grumbly, President, Supporters of Agricultural Research Foundation
Rush Holt, Chief Executive Officer, American Association for the Advancement of Science
Kate Kirby, Chief Executive Officer, American Physical Society
Frank Krause, Executive Director and Chief Executive Officer, Federation of American Societies for Experimental Biology
Felice Levine, Executive Director, American Educational Research Association
Katherine S. McCarter, Chief Executive Officer and Publisher, Ecological Society of America
Christine McEntee, Executive Director/Chief Executive Officer, American Geophysical Union
Alan C. Mix, President, The Oceanography Society
Wendy A. Naus, Executive Director, Consortium of Social Science Associations
Catherine O’Riordan and Gigi Swartz, Interim Co-CEOs, American Institute of Physics
Elizabeth Rogan, Chief Executive Officer, OSA-The Optical Society
Marty Saggese, Executive Director, Society for Neuroscience
Keith L. Seitter, Executive Director, American Meteorological Society
Paula Skedsvold, Executive Director, Federation of Associations in Behavioral and Brain Sciences
Crispin B. Taylor, Chief Executive Officer, American Society of Plant Biologists
Jamie Vernon, Executive Director, Sigma Xi
Keith Yamamoto, Chair, Coalition for the Life Sciences