



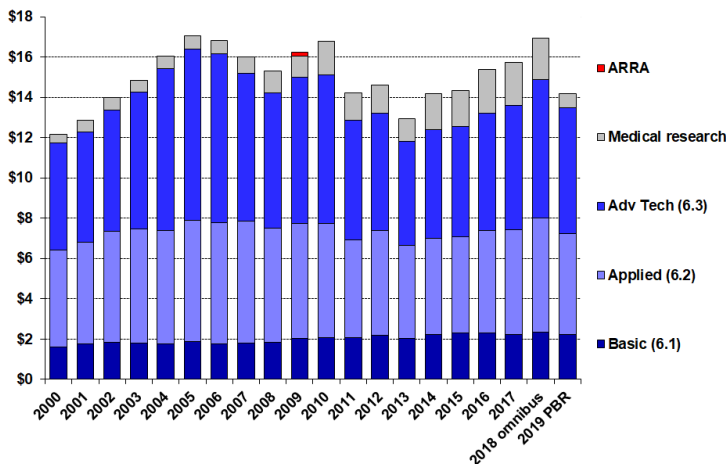
Department of Defense Research

Department of Defense (DOD)-funded basic research has contributed significantly to our nation’s economic and national security. DOD relies on technological innovation as a force multiplier, and cutting-edge advances have helped make our military the best-equipped and most effective in the world. Addressing complex military challenges requires innovative technologies and the development of these technologies depends on the sustained investments in scientific and engineering basic research performed at U.S. universities.

AAU urges Congress to provide at least \$2.436 billion for Department of Defense (DOD) 6.1 basic research in FY19

AAU recommends Congress provide the following FY19 funding levels, as recommended by the Pentagon:

Trends in DOD Science & Technology
in billions of constant FY 2018 dollars



Source: AAAS analyses of DOD budget documentation, and appropriations bills and reports. FY 2019 is the request. Medical Research is appropriated outside RDT&E funding title; appropriated as applied research pre-1999. © 2018 AAAS

Source: AAAS, 2018

- **\$107.43 million** for the National Defense Education Program (NDEP); and
- **\$60.7 million** for NDEP’s Science, Mathematics, and Research for Transformation (SMART) Program.

AAU recommends Congress invest \$3.438 billion in the Defense Advanced Research Projects Agency (DARPA). Historically, DARPA invests in high-risk, high-reward research that leads to extraordinary technological advances with both military and civilian applications, like the Internet and GPS.

DOD 6.1 basic research programs help train the next generation of U.S. scientists and engineers. Research grants and contracts support not only cutting-edge research, but also graduate research assistantships. Undergraduate scholarships and graduate fellowships funded by the National Defense Science and Engineering Graduate (NDSEG) Fellowships program help attract and retain top U.S. citizens for study in fields vital to addressing national security challenges.

Department of Defense basic and applied research underpins the innovative health treatments and technologies that help save lives on the battlefield and speed recovery from injuries.