



Bulletin

Issue 1 | January 2019

Look for our next issue:
How does US investment in Basic Research stack up world-wide?

A recurring theme at the BFRST Introductory Meeting was that our adversaries are continuously evolving technologically to counter the US's advantage. Our technological advantage starts with R&D investments. Universities & academic institutions are integral to this process, and DoD funding including the VBFF is an important component. BFRST is in a unique position to help advise OSD: In this *basic research arms race* how should DoD best invest in its academic force?

We analyzed the information in the President's Budget Request for 2019 to understand how DoD is *currently* funding Basic Research. Each of the services, DARPA and the Chemical and Biological Defense Program (CBDB) fund Basic Research Programs, totaling \$2.23B (requested) in FY19.

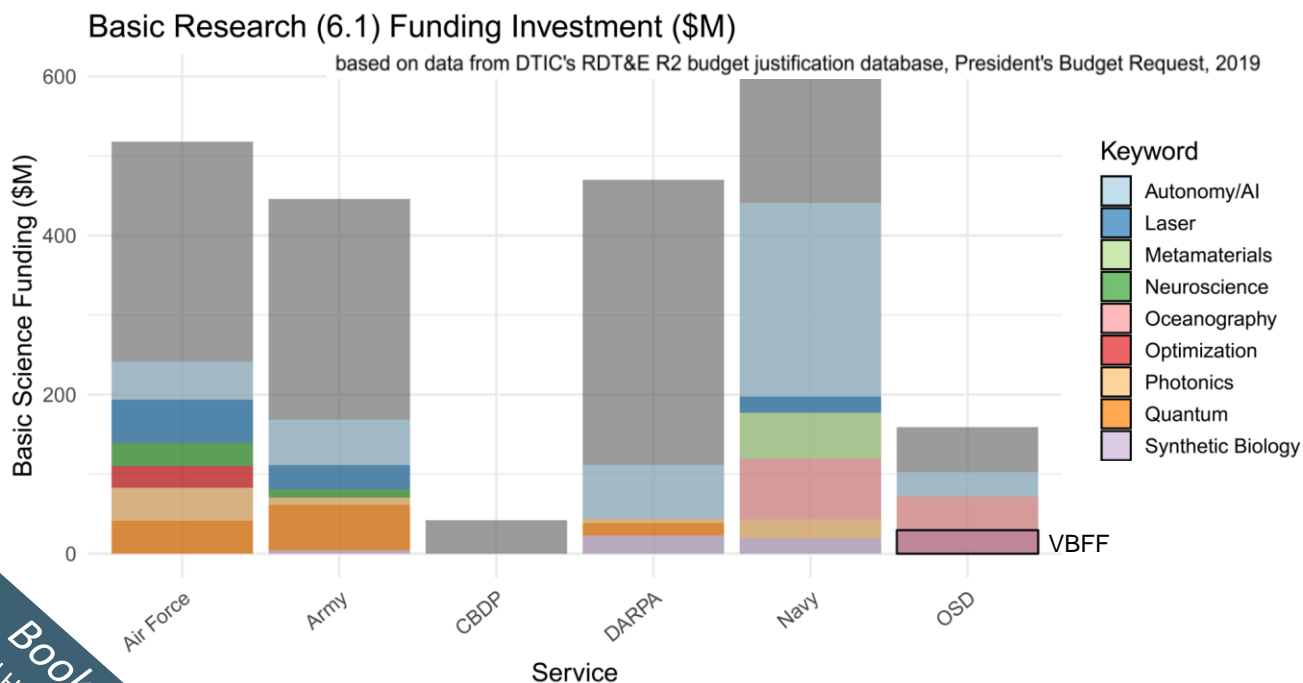
Resources

2018 National Defense Strategy

FY19 National Defense Authorization Act

National Strategic Overview for Quantum Information Science

"Basic research is scientific capital." Vannevar Bush



Results of a simple keyword search (using some BFRST relevant keywords) on described FY19 plans are shown above, with the total Basic Research budget for each organization in grey.

The data are inherently limited, however some insights can be gleaned (hello autonomy!) and many additional questions. We invite the Team to check out <http://www.ida.org/BFRST/basicresearch> for further details and a searchable database of 6.1 budget request data and look forward to sharing future analyses.

Book Recommendations
Admiral Haney recommends *Ghost Fleet*, a near-futuristic thriller about a twenty-first century version of the Cold War, by August Cole & P.W. Singer. We welcome additional fiction or non-fiction book & movie recs from the Team.