



FASEB

Federation of American Societies
for Experimental Biology

Representing Over 130,000 Researchers

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Federation of American Societies for Experimental Biology (FASEB)

Testimony of the

Federation of American Societies for Experimental Biology

Prepared for the

House Committee on Appropriations

Subcommittee on Energy and Water Development, and Related Agencies

Representative Marcy Kaptur, Chair

Representative Mike Simpson, Ranking Member

On

FY 2021 Appropriations for the Department of Energy Office of Science

The Federation of American Societies for Experimental Biology (FASEB) respectfully requests a minimum of \$7.4 billion in fiscal year (FY) 2021 for the Department of Energy Office of Science (DOE SC).

The DOE SC is the nation's largest funder of basic physical sciences research. Many transformative innovations and technologies can be traced to DOE SC research, including solar cells, superconductors, and nanotechnology.¹

This capacity for discovery stems in large part from DOE SC's network of national laboratories.² These world-class facilities house indispensable scientific instrumentation on a scale that other institutions, public or private, cannot match. Each year these laboratories serve more than 34,000 researchers from academia, government, and industry.³

Through the management of these facilities and other programs, DOE SC is a critical partner in advancing areas of national need. Agencies like NIH, NSF, and DOE SC work in concert to advance research in key areas including artificial intelligence and genomics.^{4,5} Thousands of projects funded by NIH and NSF utilize DOE facilities each year.

Recent budget increases at DOE SC have allowed for key facility upgrades.⁶ But for the U.S. to remain at the cutting-edge of science and technology, Congress must sustain and expand these investments in equipment and scientific infrastructure.⁷ A FY 2021 budget of \$7.4 billion (\$400 million above FY 2020) would enable continued facilities upgrades and support pathbreaking research in emerging areas such as quantum science.

FASEB FY 2021 recommendation: at least \$7.4 billion for DOE SC

¹ [*A Remarkable Return on Investment in Fundamental Research: 40 Years of Basic Energy Sciences at the Department of Energy, 2018*](#)

² [Office of Science National Laboratories, the DOE Laboratory System, U.S. Department of Energy](#)

³ [Office of Science Factsheet, FY 2019, U.S. Department of Energy](#)

⁴ [Artificial Intelligence and Technology Office, U.S. Department of Energy](#)

⁵ [Genomic Science Program, U.S. Department of Energy Office of Science](#)

⁶ [Thomas, Will. "DOE Accelerates Long-Awaited User Facility Upgrades." *FYI: Science Policy News from the American Institute of Physics*. Published 26 October 2018](#)

⁷ [BESAC Report on Facility Upgrades, U.S. Department of Energy Office of Science, 9 June 2016](#)