Funding Recipients and Laboratories

1. SLAC National Accelerator Laboratory
   Menlo Park, California
2. Lawrence Berkeley National Laboratory
   Berkeley, California
3. Pacific Northwest National Laboratory
   Richland, Washington
4. The Ames Laboratory
   Ames, Iowa
5. Fermi National Accelerator Laboratory
   Batavia, Illinois
6. Argonne National Laboratory
   Argonne, Illinois
7. Oak Ridge National Laboratory
   Oak Ridge, Tennessee
8. Thomas Jefferson National Accelerator Facility
   Newport News, Virginia
   Princeton, New Jersey
10. Brookhaven National Laboratory
    Upton, New York
Science is about service—about a commitment to expanding human knowledge and driving discovery—and can drive innovation, technology development, and economic progress. This commitment, coupled to unique, world-class capabilities, is what makes the Department of Energy’s (DOE’s) Office of Science an indispensable pillar of America’s leadership in science and technology. We are the nation’s largest supporter of basic research in the physical sciences, the steward of ten national laboratories, and the lead federal agency supporting fundamental research for energy.
Office of Science researchers are at the forefront of discovery. They are unveiling secrets of the basic building blocks of matter, such as quarks, neutrinos, and the Higgs boson. They are also peering deep into space, seeking understanding of the dark matter and dark energy that seem to dominate the universe and yet remain mysterious.

World-class scientific tools can drive world-shaping discoveries. The Office of Science accelerates discovery with the world’s largest array of major scientific user facilities including particle colliders, large-scale X-ray light sources, and sophisticated facilities for nanoscience research. Users have access to some of the world’s most powerful supercomputers, which are enabling technological innovation while speeding insights into everything from the fundamental chemistry of combustion to the geophysics of earthquakes.

Discovery

Office of Science researchers are at the forefront of discovery. They are unveiling secrets of the basic building blocks of matter, such as quarks, neutrinos, and the Higgs boson. They are also peering deep into space, seeking understanding of the dark matter and dark energy that seem to dominate the universe and yet remain mysterious.

World-class scientific tools can drive world-shaping discoveries. The Office of Science accelerates discovery with the world’s largest array of major scientific user facilities including particle colliders, large-scale X-ray light sources, and sophisticated facilities for nanoscience research. Users have access to some of the world’s most powerful supercomputers, which are enabling technological innovation while speeding insights into everything from the fundamental chemistry of combustion to the geophysics of earthquakes.

Innovation

Discovery science provides an enduring foundation for technological innovation. Over forty Fortune 500 companies and dozens of small businesses use our facilities each year, leveraging these unique capabilities to enable advances in areas ranging from drug discovery to the design of vehicles, aircraft, and jet engines.

Our intensely bright X-ray light sources proved crucial in the development of a drug against...
malignant melanoma, and have revealed insights into illnesses such as Alzheimer’s disease, hepatitis, and the common cold.

Our researchers have unlocked a genetic key to understanding mercury contamination in the food chain, invented novel 3D-printed microbatteries that hold promise for device miniaturization, and created new materials including super-tough glasses and super-strong steels. They have coaxed microbes to create biofuels and cut hazardous lead from common solder. Their innovations in accelerator science and technology have yielded tools that improved airport security, redefined cancer therapy, and brought safe water to millions. Today they are focused on pushing computing speeds to an extreme scale, creating batteries with radically better performance, and unlocking the promise of fusion energy, among many other goals.

Learn More

Office of Science researchers are working on lasting solutions to our most complex challenges in energy, national security, and the environment. Learn more about our achievements so far, and what is yet to come, at science.energy.gov.