

User Facilities

One of Brookhaven's primary missions is to design, construct and operate state-of-the-art research facilities for use by the worldwide scientific community.



Brookhaven's National Synchrotron Light Source

Institutions, such as universities and industry, send researchers to Brookhaven to conduct non-proprietary or proprietary work at these facilities.

Research at the user facilities encompasses a broad range of sciences. For example, physicists at the Relativistic Heavy Ion Collider explore the nature of matter, while researchers at the National Synchrotron Light Source study the structure of materials.

Brookhaven's User Facilities

- National Synchrotron Light Source
- Relativistic Heavy Ion Collider
- Alternating Gradient Synchrotron
- Double MP-type Tandem Accelerator
- Scanning Transmission Electron Microscopy

For more information about technology-transfer programs at Brookhaven, contact the Laboratory's Office of Intellectual Property and Industrial Partnerships at:

- phone: (631) 344-7338
- e-mail: ott@bnl.gov
- web site: www.bnl.gov



A superconducting magnet at Brookhaven's Collider Center

A View of Brookhaven

Brookhaven National Laboratory is a multipurpose research laboratory funded by the U.S. Department of Energy. Located on a 5,300-acre site on Long Island, New York, the Laboratory operates large-scale facilities for studies in physics, chemistry, biology, medicine, applied science, and advanced technology.

Brookhaven's 3,000 scientists, engineers, and support staff are joined each year by more than 4,000 visiting researchers from around the world.



An aerial view of Brookhaven Lab



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BROOKHAVEN
NATIONAL LABORATORY

managed for the U.S. Department of Energy
by Brookhaven Science Associates, a company
founded by Stony Brook University and Battelle



*Technology Transfer:
Partnerships with Industry*



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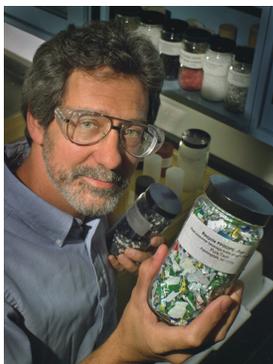
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Working With Industry

Brookhaven National Laboratory's quest for basic knowledge can lead to practical applications. Brookhaven invites industry to develop and market the Laboratory's patented inventions, as well as participate in its research. Such partnerships with industry benefit the U.S. economy and the national well-being.

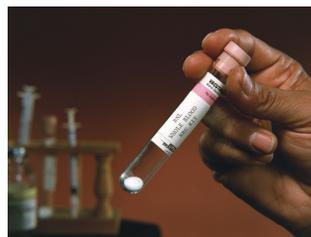
Intellectual Property Licensing

Brookhaven actively seeks licensees for Laboratory inventions that demonstrate commercial potential. Brookhaven Science Associates (BSA), the contractor that manages the Laboratory for the U.S. Department of Energy, patents these inventions. Licenses on these patented technologies can be



exclusive, for a specific field of use, or for a specific geographical area. The potential licensee must present plans for commercialization of the inventions.

There are more than 100 technologies in BSA's licensing portfolio. These inventions are in diverse areas, including molecular biology, medical devices, pharmaceuticals, optics, instrumentation, novel materials, environmental remediation, and energy production.



A number of products have been commercialized under licenses from BSA, including a red blood cell-labeling kit, which is currently being used worldwide in over two million medical

procedures each year; an asbestos-digesting foam, which chemically digests asbestos fibers, transforming them into harmless materials while retaining their fire-retardant and insulating qualities; and a hazardous-waste treatment technology that significantly reduces the potential for releasing stored waste into the environment.

Sponsored Research

Brookhaven maintains a work-for-non-federal partners program under which it enters into agreements with private industry, universities, state and local governments, and non-profit foundations to conduct research on behalf of the sponsor in fields in which the Laboratory has unique capabilities. Three options are available for sponsored research agreements:



Grants

A sponsor can make a grant to Brookhaven indicating that the funds be used to support basic research in a general area of Laboratory expertise. In this type of agreement, the sponsor plays no part in the direction of the research and is not entitled to rights to the research results. Nevertheless, the sponsor has access to information generated during the conduct of the research, through discussions with Laboratory researchers, and through the Laboratory's publication of scientific papers.

Non-proprietary Research

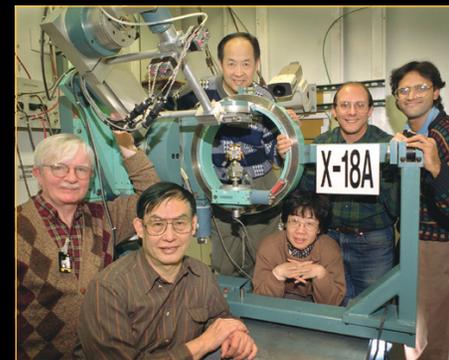


In a non-proprietary research agreement, the sponsor and Brookhaven define a research project to be conducted by Brookhaven and funded by the sponsor. Under such an agreement, Brookhaven retains the right to publish research results. Such projects require prior approval from the U.S. Department of Energy.

Proprietary Research

In a proprietary research agreement, the sponsor and Brookhaven define a research project to be conducted by Brookhaven and funded by the sponsor. Under such an agreement, the sponsor has the option to take title to any inventions made by Brookhaven during the sponsored-research program and to control the research data generated under the program. Such projects require prior approval from the U.S. Department of Energy.

Collaborative Research: CRADAs



Established by federal legislation, Cooperative Research and Development Agreements (CRADAs) promote the transfer of scientific expertise and technology from federal laboratories to industry. CRADAs provide a mechanism under which Brookhaven conducts collaborative research with industry.

Both Brookhaven and the CRADA partner can provide personnel, services, facilities, or equipment for the specified research. Brookhaven's work under a CRADA can be supported with funding from the U.S. Department of Energy, the industry-participant, Brookhaven Science Associates' licensing income, or any combination of these. Rights to inventions and other intellectual property developed under a CRADA are negotiated as part of the CRADA.

Brookhaven's CRADA projects are in diverse fields, including nuclear medicine, electronics, new materials, and environmental remediation, thus reflecting the breadth of research at the Laboratory.

