

Leveraging a Rich Tradition of Premier Science and Technology

For sixty years, ensuring the nation's security has been the central theme of Los Alamos National Laboratory's mission. Through its work to preserve our nation's military and economic security and to make the world a better and safer place, the Laboratory has nurtured and sustained a world-class reservoir of scientific and technical talent. This expertise ranges from innovative biological research to modeling global climate, and from novel methods for examining material properties to helping explore the outer reaches of the solar system. The Laboratory also boasts what are arguably the greatest concentration of scientific computing power on the planet and the highest concentration of PhDs in the nation.

Forging Strategic Partnerships with Industry

Building strategic relationships with industry helps the Laboratory bring industrial innovation to its defense work while providing industry partners with access to cutting-edge research resources and talent. The Laboratory's Industrial Business Development (IBD) Division serves as the point of contact for strategic collaborations between private industry and the Laboratory's scientific and technical resources. Acting as a matchmaker between technology partners and Los Alamos technical staff, IBD offers a variety of mechanisms for partnering with the Laboratory including

- license agreements
- cooperative research and development agreements (CRADAs)
- industry funds-in (work-for-others) contracts
- personnel exchanges
- technical consulting and assistance
- access to unique research staff and user facilities.

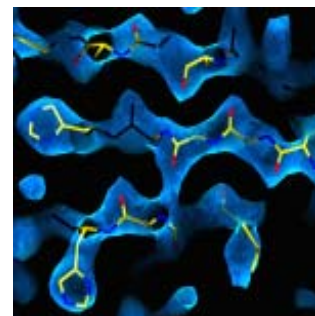
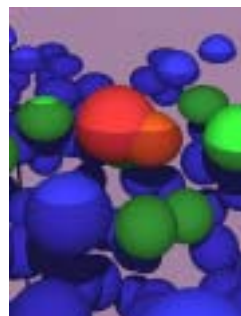
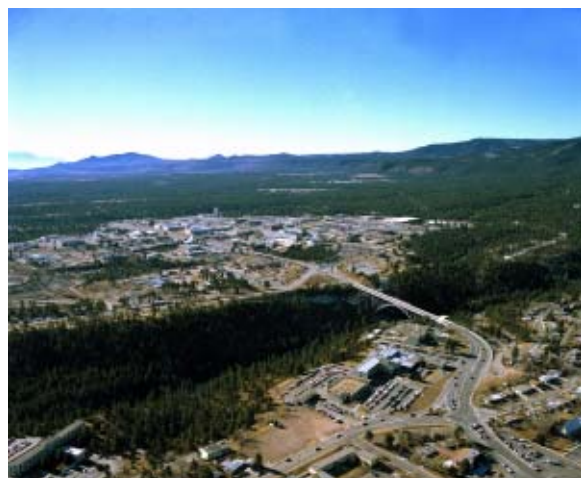
Protecting and Licensing the Laboratory's Intellectual Property

The Laboratory's ability to use the results of its own scientific research and to effectively meet its technology transfer mission depends on the protection of its intellectual property. IBD works closely with the Laboratory Counsel's Intellectual Property Office to manage the Laboratory's intellectual property through patents and copyrights. By licensing Laboratory technologies, IBD helps to create a vital link between the Laboratory and the private sector that leads to innovative and effective solutions to problems that affect both industry and the Laboratory. IBD negotiates, executes, and administers all commercial, non-commercial, and government-use licenses for the Laboratory on behalf of the University of California, for the Department of Energy.

Commercializing Laboratory Technologies and Helping Start-Up Businesses

IBD staff actively scout the Laboratory for emerging and leading-edge technologies that could be transferred to private industry. IBD works with Laboratory technical staff to assess, package, and market these opportunities to a variety of potential partners, including small business. In this way IBD stimulates regional business development by encouraging the commercialization of Laboratory technologies through spin-off, high-tech, startup businesses. The Laboratory has long partnered with small businesses to bring new products and processes to market. Because diversification of the northern New Mexico region is a critical part of its mission, the Laboratory strongly supports spin-off companies and other high-tech startups. IBD offers specific assistance to small businesses and entrepreneurs seeking to locate in the northern New Mexico business community through

- training and networking programs
- market assessments
- market and business planning assistance
- professional consulting services.



Above, the Laboratory complex is spread out over 43 square miles in the Jemez Mountains of northern New Mexico.

Left, REED-MD, ion implant simulator, calculates concentrations of dopants implanted in semiconductors.

Right, scientists create 3-D images of protein molecules using SOLVE, which has been licensed to more than 20 companies for commercial use in the biotechnology and pharmaceutical fields. In addition, nearly 400 licenses have been issued worldwide for noncommercial use of SOLVE.

For more information regarding IBD, please contact us at 505-665-9091 or visit us on the Web at www.lanl.gov/partnerships

LALP-02-089



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