

NIST and Technology Transfer

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Government Transfer Technology

- Large investment in mission focused research, including basic research - \$140 billion
- Missions range from space flight at NASA, defense industries, energy production, health care and many others
- Useful as an economic engine for innovation and growth of new businesses
- We consider an expansive view of technology transfer
 - Patenting/Licensing
 - Technical publications
 - Collaborations – formal and informal
 - Public Domain software

Goal of U.S. Technology Transfer: Availability and Use of Innovations



Government

- Research/Invent
- Regulate
- Public benefit
- Consumer



Private Industry

- Develop
- Manufacture
- Distribute
- Market
- Sell
- Requires private capital



Policy Coordination

- The U.S. Department of Commerce provides policy coordination and promulgation of technology transfer regulation
 - NIST leads the Interagency Workgroup for Technology Transfer (11 agencies)
 - Annual reports for the President, the Congress, and OMB on utilization of technology transfer by DOC and across all agencies
 - NIST has a statutory role as the “Host Agency” for the Federal Laboratory Consortium for Technology Transfer (~300 labs)
-

Lab to Market

FY 2015 President's Management Agenda – [Lab-to-Market Cross-Agency Priority Goal](#) established to improve & accelerate technology transfer



GOAL ACTIONS

- (1) Optimize the management, discoverability, and ease-of-license of 100,000+ Federally-funded patents
- (2) Increase the utilization of Federally-funded research facilities by entrepreneurs and innovators
- (3) Ensure that relevant Federal institutions and employees are appropriately incentivized to prioritize R&D commercialization
- (4) Identify steps to develop human capital with technology transfer experience
- (5) Maximize the economic impact of the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs

Federal Funds

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Challenge.gov

SMALL BUSINESS INNOVATION RESEARCH (SBIR)

- Stimulate technological innovation
- Use small business to meet Federal R&D needs
- Foster and encourage participation by women and socially and economically disadvantaged persons in technological innovation
- Increase private-sector commercialization of innovations derived from Federal R&D

<http://www.sbir.gov/solicitations>

http://tsapps.nist.gov/techtransfer/

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Browse NIST technologies available for licensing, commercialization and research collaboration. Some of these technologies are patented during the patenting process. Other technologies are available without a patent.

Information on how to request a license, license templates, and the license application, are available [HERE](#).

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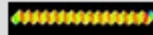
Bioscience & Health



these are a few of the many areas where NIST research serves the needs of the bioscience and health care community.

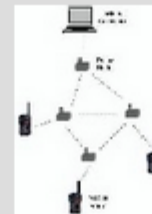
New medical diagnostic tests, improving the quality and cost-effectiveness of health care electronic records, reference materials for laboratory test methods, faster screening of promising vaccines,

Building & Fire Research



The mission of the building and fire research programs at NIST is to anticipate and meet the measurement science, standards, and technology needs of the U.S. building and fire safety industries in areas of critical national need.

Information Technology



applications.

Advancing the state-of-the-art in IT in such applications as cyber security and biometrics, NIST accelerates the development and deployment of systems and conducts research to develop the measurements and standards infrastructure for emerging information technologies and

Manufacturing



develop innovative products and processes, and expand their markets.

NIST helps manufacturers of all kinds--shipbuilding to semiconductor makers--streamline their operations, improve quality, reduce environmental impacts,

http://www.federallabs.org/

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What is the Available Technologies Search Tool?

The FLC Available Technologies tool provides a free one-stop shop to locate licensing opportunities for a particular type of technology anywhere in our nationwide system of federal labs and research centers. We are continually adding participating agencies and laboratories to the tool to enhance this search capability. We use a customized advanced Google search to scan the available technologies and quickly return relevant results so searching doesn't require any specialized language knowledge.

Below the search feature you'll see quick buttons to print or download a PDF of your first 50 search results. You can also obtain a login to the site and save your queries to easily run again in the future.

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e.g. carbonfiber composite [Advanced Search v](#)

FLCBusiness.com

The image shows a screenshot of the FLCBusiness.com website. The top navigation bar is dark blue with the logo 'FLCBusiness beta' on the left and links for 'Home', 'About', 'The Process', 'Search', and 'Contact' on the right. The main content area has a light blue background with the title 'LEVERAGE FEDERAL LABORATORY RESOURCES' in large, bold, black letters. Below the title is the tagline 'Building better business through Technology Transfer'. Three circular icons are arranged horizontally: 'SEARCH' with a magnifying glass icon, 'ENGAGE' with a speech bubble icon, and 'GROW' with a bar chart icon. Below this is a section titled 'Available SEARCHES' in blue text. Underneath are four rectangular buttons: 'Laboratories' (grey button with a building icon), 'Funding Programs' (blue button with a money bag icon), 'Facilities & Equipment' (blue button with a flask icon), and 'Programs' (blue button with a handshake icon).

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LEVERAGE FEDERAL LABORATORY RESOURCES

Building better business through Technology Transfer

SEARCH
ENGAGE
GROW

Available
SEARCHES

Laboratories Funding Programs Facilities & Equipment Programs

Summary

- Role of technology transfer is to encourage private business development
- Rely on partnerships
- Continued emphasis on technology and innovation

Thank You

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