



Federal Laboratory Consortium
for Technology Transfer

2023

ANNUAL REPORT
TO THE PRESIDENT AND CONGRESS

federallabs.org







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Our commitment to advancing federal technology transfer was met with unprecedented engagement and growth, positioning the FLC for continued success and a lasting positive impact."

Whitney Hastings
FLC Chair

FLC EXECUTIVE BOARD

Whitney Hastings

National Cancer Institute
Department of Health and
Human Services

David Kistin

Sandia National Laboratories
Department of Energy

Linda Burger

National Security Agency
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Richard Paul

National Advisory Council Chair

Paul Zielinski

Federal Laboratory Consortium



**Scan to Learn More
About the FLC Board**



Letter From the FLC Chair

Fiscal 2023 was a transformative year for the Federal Laboratory Consortium (FLC). Our commitment to advancing federal technology transfer was met with unprecedented engagement and growth, positioning the FLC for continued success and a lasting positive impact on technology transfer and innovation.

Through targeted programming and promotions, we achieved a 56% increase in registrants for educational and partnership-focused events compared with 2022. These events — both in person and online — spread best practices and brought together public and private stakeholders to plant the seeds for future partnerships. Our flagship event, the National Meeting, broke in-person attendance records as the community eagerly reunited in person for the first time since 2019.

The FLC's digital presence flourished, extending our reach and impact exponentially. Across all platforms, our social media audience grew over 14% and viewers interacted with our content 43% more often than the previous year. Web traffic saw an extraordinary surge, with unique page views more than tripling from 2022 and unique visitors increasing nearly 250%. We also elevated communications to our membership, winning a silver AM&P Network EXCEL Award for newsletter redesign.

The swell of online traffic is thanks in part to the rollout of a sleek new design for LabTech in Your Life, an interactive feature designed to educate the public on the broad impact and value of federal technology transfer (T2). LabTech in Your Life is a virtual city where visitors discover dozens of everyday products invented in federal labs. The upgraded animation style and the addition of a hospital tour helped draw more than six times the page visits as in the previous year.

Finally, the FLC's leadership approved a Strategic Plan focused on expanding educational opportunities, deepening audience engagement, connecting federal labs with industry partners, and integrating a comprehensive diversity, equity, inclusion and accessibility policy to ensure that everyone can contribute to American innovation and economic growth.

This annual report outlines our organization's continued efforts on behalf of our member labs and their technology transfer partners. In accordance with 15 U.S. Code § 3710(e)(6) and on behalf of the members of the FLC, I am pleased to present the FLC 2023 Annual Report to the President and Congress.

Respectfully,

A handwritten signature in black ink, reading "Dr. Whitney Hastings". The signature is fluid and cursive, with a large initial "W".

Whitney Hastings
FLC Chair

FLC Organization

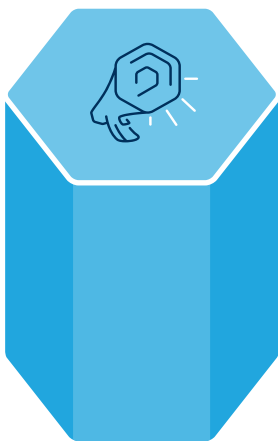
The FLC is the formally chartered, nationwide network of more than 300 federal laboratories, agencies and research centers that fosters commercialization best practices, strategies and opportunities for accelerating federal technologies out of the labs and into the marketplace.

Through American taxpayers' investment in federal laboratories' research and development (R&D) efforts, scientific and technological breakthroughs can take place and return dividends to our economy. New industries, businesses and jobs are just a few of the benefits that result when an innovation is brought to market, through a collaborative process called technology transfer, or T2. The FLC promotes its member labs and the T2 profession, educates labs and their prospective partners about the T2 process, and facilitates the partnerships that drive these achievements. Accordingly, the FLC's organizational structure reflects those three foundational pillars: Promote, Educate and Facilitate.

In 2023, FLC leadership approved a new Strategic Plan under a cooperative agreement with AUTM, a nonprofit leader supporting the development of academic technology transfer and research that changes the world and drives innovation forward. This comprehensive plan takes a multipronged approach to enhancing the innovation ecosystem while upholding the core values of collaboration, excellence, inclusivity and integrity.



For more information on the FLC, please visit www.federallabs.org.



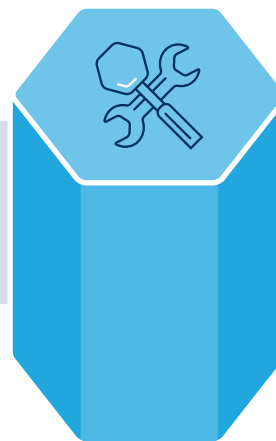
PROMOTE

Actively promote availability, benefit and value of federal laboratory assets through T2 to improve national economic prosperity and execution of lab missions.



EDUCATE

Provide progressive full-spectrum education and training (E&T) and networking opportunities for federal T2 professionals and key internal stakeholders.

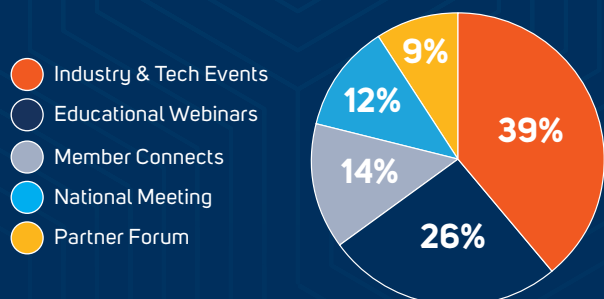


FACILITATE

Proactively engage and leverage partnerships that connect relevant private sector partners with individual federal laboratories to increase measurable outcomes.

2023 BY THE NUMBERS

ATTENDANCE AT FLC EVENTS



4,223
TOTAL REGISTERED
ATTENDEES

56%
INCREASE
COMPARED TO 2022

SOCIAL MEDIA GROWTH



AUDIENCE
GREW
14.2%
TOTAL
ENGAGEMENTS
GREW
17.5%

For each impression,
our audience engaged
43.7% more often
and clicked **48.8%**
more links on our
posts than during
the previous year.



WEBSITE TRAFFIC

Visitors to **federallabs.org**

Unique
Page Views

2022
104,547

2023
350,149

+335%

Individual
Users

2022
48,196

2023
119,118

+247%

NATIONAL AWARDS



WINNERS BY REGION



*Some categories include multiple agencies and regions, so the total will not match the number of winning nominations.

WINNERS BY AGENCY



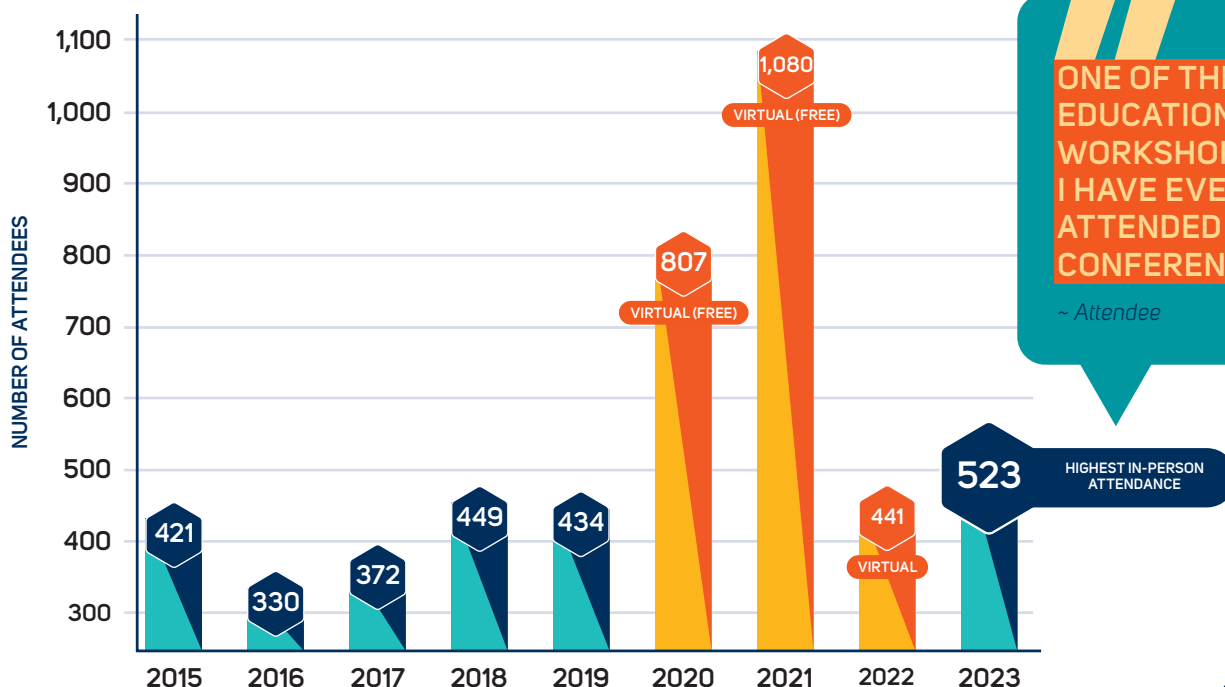
2023 NATIONAL MEETING

EPIC RETURN

For the first time since 2019, the biggest annual event in federal T2 was held in person. After three years of virtual events, a record number of in-person attendees gathered for educational workshops, insightful discussions and priceless opportunities to connect with colleagues and potential partners.



NATIONAL MEETING ATTENDANCE



SATISFACTION GUARANTEED

87% felt the event met or exceeded their expectations

95% considered it a valuable time investment

Networking

was the highest-rated element of the meeting

MEETING OF MANY

Attendees represented the government and the private sector, hailing from **35 states** (plus the District of Columbia) and **four countries across three continents.**



TRAINING DAY

Before the first session or opening keynote, more than two-thirds of registrants arrived a day early to attend training courses targeting a range of career paths and experience levels.

TOP-RATED COURSES

RANK

TITLE

1

Leadership and Communication

2

Marketing the Lab Inside and Out

3

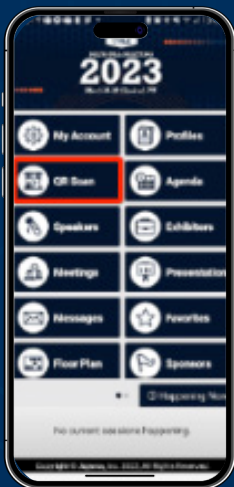
CRADA

4

Negotiation Tips for T2 Professionals

5

Intellectual Property for T2 Professionals



TAP TO CONNECT

Though the National Meeting is billed as an educational event, networking is a huge draw — especially after three years of virtual events. The FLC Connect app was key to helping attendees connect.

More than 70% used the app to send messages, schedule meetings and exchange virtual business cards.



**Innovating
to a brand
new beat**

FLC
NATIONAL MEETING
2023
March 28-30 | Cleveland, OH

FLC AWARDS

Celebrating Top-Tier T2

The annual FLC Awards are the most prestigious honors in federal technology transfer, recognizing exceptional collaboration, persistence and outside-the-box solutions. In 2023, hundreds of federal T2 professionals gathered for the first in-person Awards Ceremony in four years. While awardees went home with their trophies, their contributions to the profession and society made everyone a winner.

2023 Awards by the Numbers

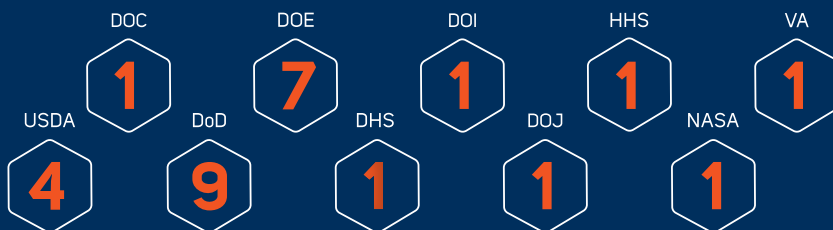
AWARDS SUMMARY



WINNERS BY REGION



WINNERS BY AGENCY



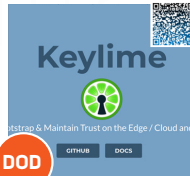
And the Winners Are ...

The 2023 class of FLC awardees included 24 winning teams and individuals representing 10 federal agencies and dozens of labs across the nation. The recipients were selected for their achievements in homeland security, food waste, preventive health and much more. **Scan the QR codes to learn more about each winner.**



DOD

MIT Lincoln Laboratory
Video Analysis Tool Accelerates Forensics for Homeland and Commercial Security



DOD

MIT Lincoln Laboratory
Security Verification Software Gives Cloud Users Extra Protection for Sensitive Data Commercial Security



DOD

Geotechnical and Structures Laboratory | U.S. Air Force Civil Engineer Center
Technology Offers a Fast, Economical and Durable Asphalt Repair Solution



DOD

U.S. Army Research Institute of Environmental Medicine | U.S. Army Medical Research & Development Command
Sensor-Based Tech Detects Heat Stress Before Complications Occur



DOE

Oak Ridge National Laboratory
Food Waste Conversion Process Has Environmental and Economic Potential



DOE

Oak Ridge National Laboratory
Advanced Communications Network Expands Utility of Remote-Controlled Drones



DOE

Pacific Northwest National Laboratory
Tracking Technology Increases Security of Radioactive Materials While in Transit



DOI

U.S. Geological Survey
New Method of Treating Ballast Water on Ships Can Reduce Spread of Invasive Species



VA

Department of Veterans Affairs
Wand-Based Camera Helps Patients Find Problem Skin Areas Before They Worsen



USDA NASA

Agricultural Research Service | Kennedy Space Center
Tech for Monitoring Crops in Space Could Also Benefit Agriculture on Earth



DOC HHS

National Institute of Standards and Technology | National Institutes of Health
Collaboration Streamlines the Transition and Updating of the iEdison Compliance System



DOE DOD

Sandia National Laboratories | U.S. Army Rapid Capabilities and Critical Technologies Office | Naval Sea Systems Command and Strategic Systems Programs
Partnerships Help Scale Hypersonic Weapons Tech



DOD

National Geospatial-Intelligence Agency
Technology Accelerator Helps Identify Local Industry Partners to Meet Lab's Unique Needs



DOE

Oak Ridge National Laboratory
Lab and Partners Re-Envision Their Region as a Nuclear Energy Hub



USDA

Aquatic Animal Health Research Unit
Development of Disease-Resistant Tilapia Boosts Aquaculture Profits



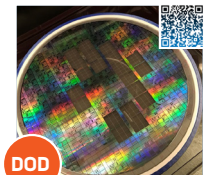
USDA

Agricultural Research Service, Midwest Area
Partnership Enhances Soil Drainage Process to Reduce Risk of Aquatic 'Dead Zones'



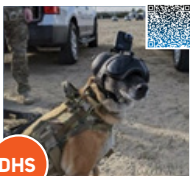
DOD DOE

U.S. Army Corps of Engineers | Pacific Northwest National Laboratory
Collaboration Helps Convert Harmful Algal Blooms Into Valuable Resources



DOD

U.S. Naval Research Laboratory
Navy Creates Licensing Program for Intellectual Property Protected Under Trade Secret Law



DHS

Science and Technology Directorate | U.S. Coast Guard Research & Development Center | U.S. Coast Guard Research, Development, Test & Evaluation and Innovation Program
Innovation Center Tests and Transitions Tech for Coast Guard Use



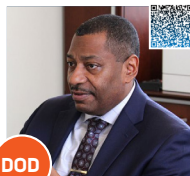
DOE

National Energy Technology Laboratory
Chris Bond: Engaging Researchers to Streamline T2 Processes and Amplify Lab Performance



DOJ

Federal Bureau of Investigation
Jonathan Spielman: Networking and Innovating to Build a T2 Program From the Ground Up



DOD

U.S. Army Combat Capabilities Development Command Chemical Biological Center
Eric Moore, PhD: Prioritizing and Promoting Tech Transfer and Promoting Tech Transfer Pays Off for Lab Director



DOD

National Security Agency
Karen Presley: Creating Opportunities to Share Knowledge in the FLC Community and Beyond



USDA

National Wildlife Research Center
John Eisemann: Advocating for Inclusivity, Regional Recognition and Connections With Industry

ACCESSIBLE EDUCATION

Live Virtual Learning

Education is at the heart of the FLC's mission because successful T2 professionals continually learn from one another. Educational webinars make professional development flexible and convenient, covering a range of topics for various experience levels — and they draw crowds, accounting for 26% of registrations for all FLC-hosted events in 2023.



12 **+20%**
webinars from 2022

1,094 **+10%**
registered attendees from 2022

TOP 3



The Bayh-Dole Act: 2023 Regulatory Update

474 REGISTERED

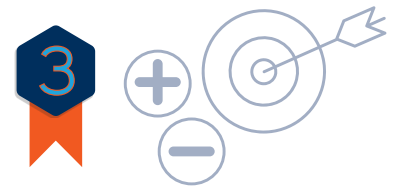
Overview of the March 2023 revisions to Bayh-Dole regulations and their impact on labs and stakeholders.



Anatomy of a Federal License Agreement

125 REGISTERED

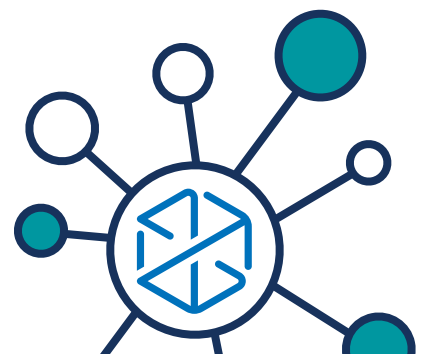
Explanation of federal license agreements, their key sections and the obligations for both parties.



Provisional Patent Decisions: How Provisional Patents Can Pay Off for Your T2 Office

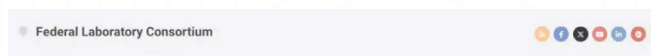
124 REGISTERED

Lesson on U.S. provisional application requirements, pros and cons, tips and related case law.



On-Demand Education

Webinars and events are recorded and added to the FLC Learning Center, a full-service educational hub with an expansive library of courses and essential resources. Launched in 2022, the Learning Center's offerings and traction continue to grow, reaching 713 users in 2023.



Discover Our Content



Need help ?

Path has some great support built right in. Just click on the question mark in the blue circle located in the bottom right of your screen. There are lots of great resources there, but if you can't find what you're looking for, reach out to FLC at athomson@federalabslabs.org



◀ **EXPLORE THE FLC LEARNING CENTER**

MOST POPULAR CONTENT

FLC Business Webinar

Overview of the FLC Business platform and tips for using the most powerful tool developed for federal lab resources.

Learn more about FLC Business on page 18.

Introduction to CRADAs

Course defining Cooperative Research and Development Agreements (CRADAs), their function and when to use them.

CAREER PATHWAYS

The T2 umbrella covers a lot of ground. To help busy T2 professionals find the information they need quickly and easily, the FLC's learning materials are categorized into four career pathways.



◀ **INTELLECTUAL PROPERTY MANAGEMENT**



◀ **OPERATIONS AND ADMINISTRATION**



◀ **AGREEMENTS**



◀ **MARKETING AND BUSINESS DEVELOPMENT**

DRIVING AWARENESS

Empowering Innovation, Inspiring Growth

The FLC's Promote team informs and empowers stakeholders across the innovation ecosystem to capitalize on the consortium's indispensable tools, resources and opportunities. At the same time, we bolster external support through content that teaches the public about the value and impact of federal T2 as a vital engine of innovation and economic growth.

WEBSITE TRAFFIC

Visitors to **federallabs.org**



Unique
Page Views

2022
104,547

2023
350,149

+335%

Individual
Users

2022
48,196

2023
119,118

+247%

SOCIAL MEDIA GROWTH

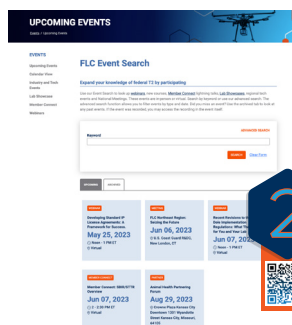
Audience grew **14.2%**

Total engagements grew **17.5%**

For each impression, our audience engaged **43.7% more often** and **clicked 48.8% more links** on our posts than during the previous year.



TOP 3 MOST VISITED PAGES



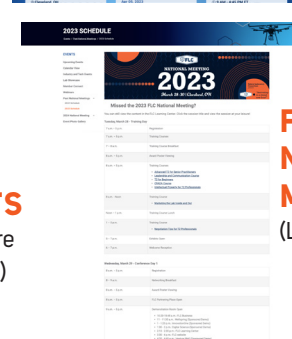
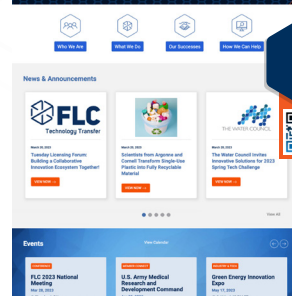
EVENTS
(Learn more on page 17.)

SHOW AND TELL

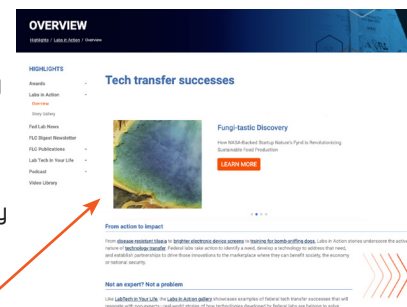
The Labs in Action series spotlights success stories in federal T2 — from improved security screening technology to innovative cancer treatments. To better engage visitors and bring these stories to life, the FLC added an eye-catching carousel to the web gallery and has incorporated more videos. The result: Unique page views more than tripled and visitors increased nearly **250%** from the previous year.



HOME PAGE



**FLC
NATIONAL
MEETING**
(Learn more on page 5.)



Tech Innovation Showcase

LabTech in Your Life is a virtual world that highlights the everyday products and technologies that were invented in federal labs. In 2023, the rollout of sleeker, more modern graphics and the addition of a virtual hospital helped bring the growing city to life. These improvements and increased promotional efforts contributed to a surge in page visits of more than 500% compared with the previous year.

TECHNOLOGIES ADDED IN 2023

 **53** HOUSE

 **35** AIRPORT

 **28** HOSPITAL



MRI ROOM

Superconducting Magnet Technology for Magnetic Resonance Imaging (MRI)

Fermilab | Department of Energy

In the 1970s, Fermilab developed powerful magnets that conduct electricity extremely efficiently. Today, these magnets are at the heart of essential MRI machines in hospitals worldwide.

EMERGENCY ROOM

BRCA1 Genetic Test

National Institute of Environmental Health Sciences (NIEHS)

National Institutes of Health
Department of Health and Human Services

Scientists at the NIEHS developed a simple genetic test to flag specific gene mutations — BRCA1 and BRCA2 — that come with a higher risk of hereditary breast and ovarian cancers. With a blood sample or oral rinse, this test allows patients to take preventive measures before cancer develops.



Drug-Eluting Peripheral Stent

National Institute on Aging

National Institutes of Health

Department of Health and Human Services

Stents open arteries to improve blood flow, making them a vital option for the millions of Americans with heart disease. The National Institute on Aging developed an improved stent coated with a drug that helps prevent blockages.

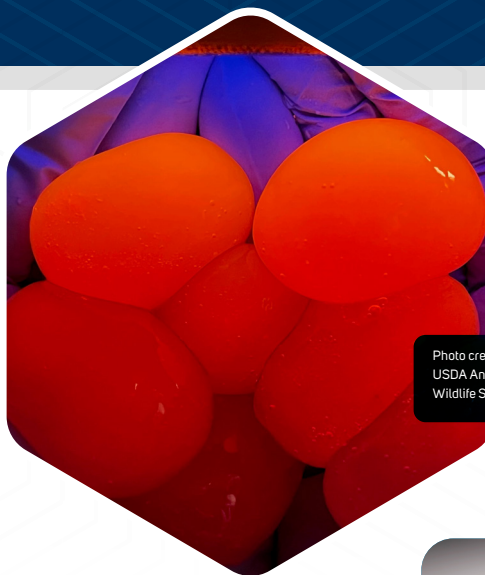
FLC PLANNER

Innovation on Display

Each picture tells a tale of tech transfer triumph.

The FLC Planner is a popular 14-month wall calendar that brings tech transfer to life through captivating images from federal labs, keeping the transformative impact of tech transfer in the spotlight all year round. The photos featured here were selected from 89 submissions to be featured in the 2024 Planner, highlighting the innovative work happening across the nation.

These photos give a glimpse of the groundbreaking tech transfer efforts taking place at our federal laboratories. **Scan the QR code to discover the story behind each image.**



USDA

National Wildlife Research Center

Protecting Deer from Bovine Tuberculosis

Photo credit: © Abigail Feuka and Hayden Hamby | USDA Animal and Plant Health Inspection Service, Wildlife Services

DOD

MIT Lincoln Laboratory (MIT LL)

Toroidal Propeller

Photo credit: © Glen Cooper | MIT LL



VA

National Cemetery Administration

Casket Transport and Lowering Device System



Photo credit: © Reginald Flexen | Riverside National Cemetery

DOE

Argonne National Laboratory

Aurora

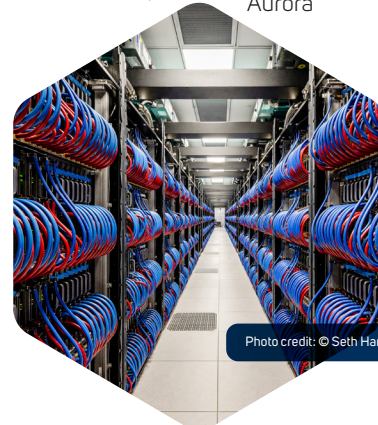


Photo credit: © Seth Hammond



Photo credit: © Laura Ward

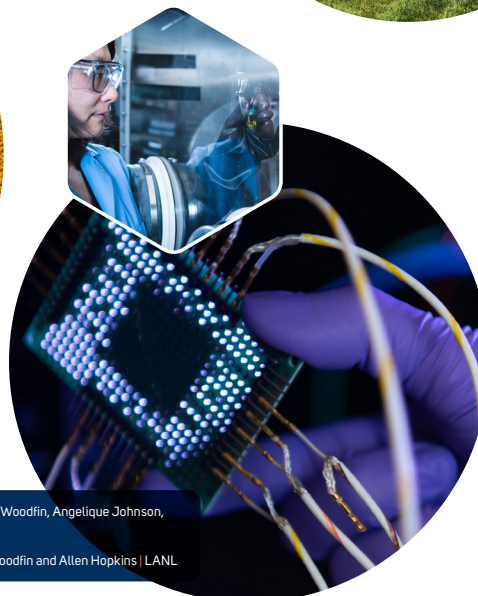
DOI

California Water Science Center

Evaluating Bee Pesticide Exposure From Sunflowers

Photo credit (main): © David Woodfin, Angelique Johnson, Allen Hopkins | LANL

Photo credit (inset): David Woodfin and Allen Hopkins | LANL



DOE

Los Alamos National Laboratory (LANL)

Low-Cost, High-Performance Scalable Optoelectronics

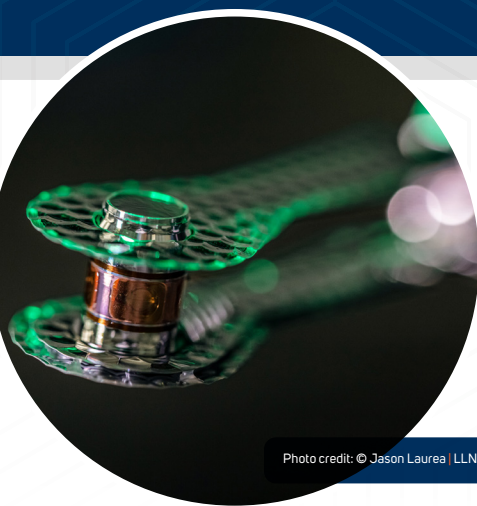


Photo credit: © Jason Laureia | LLNL

DOE

Lawrence Livermore National Laboratory (LLNL)

Fusion Ignition:
The Hohlraum



DOE

Idaho National Laboratory (INL)

Colorimetric Detection of
Actinides (CoDeAc)



Photo credit: © Chris Morgan | INL (both images)



Photo credit: © NIAID (both images)

HHS

National Institute of Allergy and Infectious Diseases (NIAID)

Self-Amplifying RNA Vaccine
for Crimean-Congo
Hemorrhagic Fever Virus

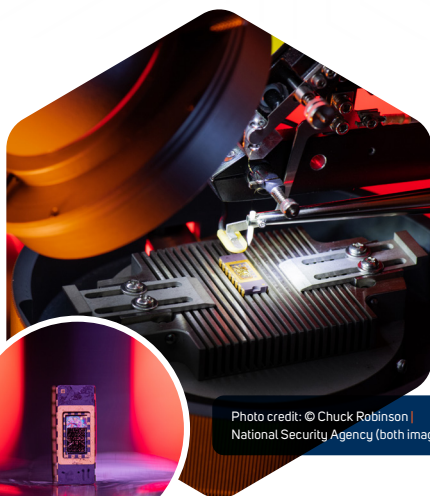


Photo credit: © Chuck Robinson |
National Security Agency (both images)

DOD

National Security Agency, Laboratory for Physical Sciences

Using Quantum
Materials to Improve
High-Performance
Computing Devices

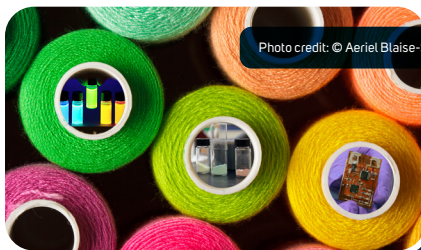
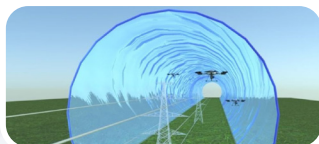


Photo credit: © Aerial Blaise-Storey

DOD

Chemical Biological Center

Colorimetric Sensing



DOD

Army Research Laboratory

Beyond Visual Line
of Sight Monitoring



Photo credit: © Manifold Robotics (both images)



Photo credit: © Kai-Shu Ling, PhD

USDA

U.S. Vegetable Laboratory

Helping Farmers Mitigate Emerging
Viral Disease in Greenhouse Tomatoes



Photo credit: © Art Howard |
U.S. Army Corps of Engineers

DOD

Cold Regions Research and Engineering Laboratory

Understanding the Climate
Effects of Atmosphere, Ice
and Ocean Interactions

BY THE NUMBERS

PHOTOS
INCLUDED

REGION

3	Far West
4	Mid-Atlantic
2	Mid-Continent
1	Midwest
2	Northeast
2	Southeast

PHOTOS
INCLUDED

AGENCY

2	Department of Agriculture
5	Department of Defense
4	Department of Energy
1	Department of Health and Human Services
1	Department of the Interior
1	Department of Veterans Affairs

Clearing the Road to Collaboration

The FLC revamped its FLC Business platform, a next-generation search tool for federal laboratory resources. FLC Business is the most comprehensive database of licensable technologies, laboratory facilities and equipment, patents, press releases, researchers and funding. The upgrade streamlined searches for improved functionality and raised the quality of the database's information by simplifying the process to update it. The result: a significant rise in page views and searches, strengthening this crucial connection point for potential partnerships and commercialization success.



◀ EXPLORE THE FLC BUSINESS PLATFORM

BY THE
NUMBERS

4,591
PAGE VIEWS

23% more
FLC Business searches than in 2022

Find licensable technologies, facilities, researchers and more across a variety of fields and federal agencies. Features allowing users to filter results by type, agency and lab make it easier to find the perfect partner.

Every project needs a different piece to complete the commercialization puzzle, so users can narrow results to fit their needs.

Click on a search result to find details about the technology and a point of contact, expediting your journey to collaboration.

The Federal Laboratory Consortium for Technology Transfer (FLC)

Industry Group • <https://federalabs.org/>

Profile Portfolio

Please search for any technology, laboratory, or facility that you would like to learn more about. For any questions, please contact info@federalabs.org.

Search

1 - 10 of 2,976,119

Resource Date Updated

Filters

▼ Category

- Licensing Opportunities 9.7K
- Research Grants 115.5K
- Publications 1.4M
- Patents 69.7K
- Clinical Trials 43K
- SEC Filings 4
- Web Documents 940.3K
- Press 310.9K

► Date

► Year

► Country

► State

► Person

► Organization Type

► Institution

► Company

Effect of Acetylcholinesterase Inhibitors on Bone Metabolism and Fracture Risk Factors Among Older Adults With Mild to Moderate Alzheimer's Disease

Clinical Trial ID: NCT06041789 Start Date: Aug. 31, 2024 Completion Date: Jun. 1, 2025 Phase: Phase 2 Study Type: Interventional Status: Not yet recruiting

People with Alzheimer's disease are at an increased risk of bone fracture. Some studies have shown that those taking donepezil have a lower rate of bone fractures, but the reasons for this are unknown. The purpose of this study is to measure the effect of donepezil treatment on bone metabolism factors including bone mineral density, bone turnover markers, and bone quality. Participants in this study will have a bone density test and have blood samples collected at the baseline study ...

Contact Info: Richard H Lee
Duke University National Institute on Aging
National Institutes of Health United States Department of Health and Human Services

Phase II Study of Glutaminase Inhibition and Chemoradiation in Advanced Cervical Cancer

Clinical Trial ID: NCT05521997 Start Date: Aug. 31, 2024 Completion Date: Nov. 7, 2030 Phase: Phase 2 Study Type: Interventional Status: Not yet recruiting

Advanced cervical cancer patients treated with standard of care (SOC) chemoradiation plus glutaminase inhibition with telaglesat (CB-839) will have increased progression-free survival (PFS) compared to historical rates for patients receiving SOC chemoradiation alone.

Contact Info: Julie K Schwarz, Stephanie Markovina, Andrea R Hagemann, Dineo Khabele, Lindsay M Kurck
Washington University in St. Louis National Cancer Institute
National Institutes of Health United States Department of Health and Human Services

Mobile Video Directly Observed Therapy (DOT) for Immunosuppression Medication Adherence in Adolescent Heart Transplant Recipients: Enhancing Technological Innovation and Strengthening the Role of Small Businesses in Meeting Needs of Adolescent ...

Clinical Trial ID: NCT05732778 Start Date: Aug. 31, 2024 Completion Date: Dec. 31, 2028 Phase: N/A Study Type: Interventional Status: Not yet recruiting

We will conduct a two-group randomized controlled trial to examine the eMocha DOT intervention with pediatric HT recipients. In this population, medication nonadherence remains a primary cause of late acute rejection (LAR) episodes, increased number of hospitalizations, graft failure, and patient mortality. Herein, we propose an innovative approach to promote medication adherence and improve patient and graft outcomes.

Contact Info: Dipankar Gupta, Paolo Rosconi, Svetlana B Shih, Mike Kilian
University of Florida, St. Joe's Health, National Heart, Lung and Blood Institute
National Institutes of Health United States Department of Health and Human Services

A Cluster-randomized Trial to Improve Use of High Intensity Statins for Vascular Protection

Clinical Trial ID: NCT0551701 Start Date: Aug. 31, 2024 Completion Date: May 31, 2025 Study Type: Observational Status: Not yet recruiting

ACHIEVE aims to increase statin usage among patients with ASCVD by having a pharmacist talk to patients and providers.

Year

2016 2017 2018 2019 2020 2021 2022 2023 2024

Organization Types

Research Institution (2.0K) University (507.1K)
Company (138.9K) Hospital (55.0K)
Foundation (55.8K) Investor (2.1K)
Other (2.1K)

Top Companies

View More

- Pfizer 7,644
- Moderna 4,225
- Johnson & Johnson 3,791
- SpaceX 3,685
- World Health Organization 2,171

Top Institutions

View More

- United States Department of Health and Human Services 1,063,016
- United States Department of Energy 720,517
- National Institutes of Health 470,015
- Pacific Northwest National Laboratory 421,976
- National Cancer Institute (NCI) 142,060

Top People

View More

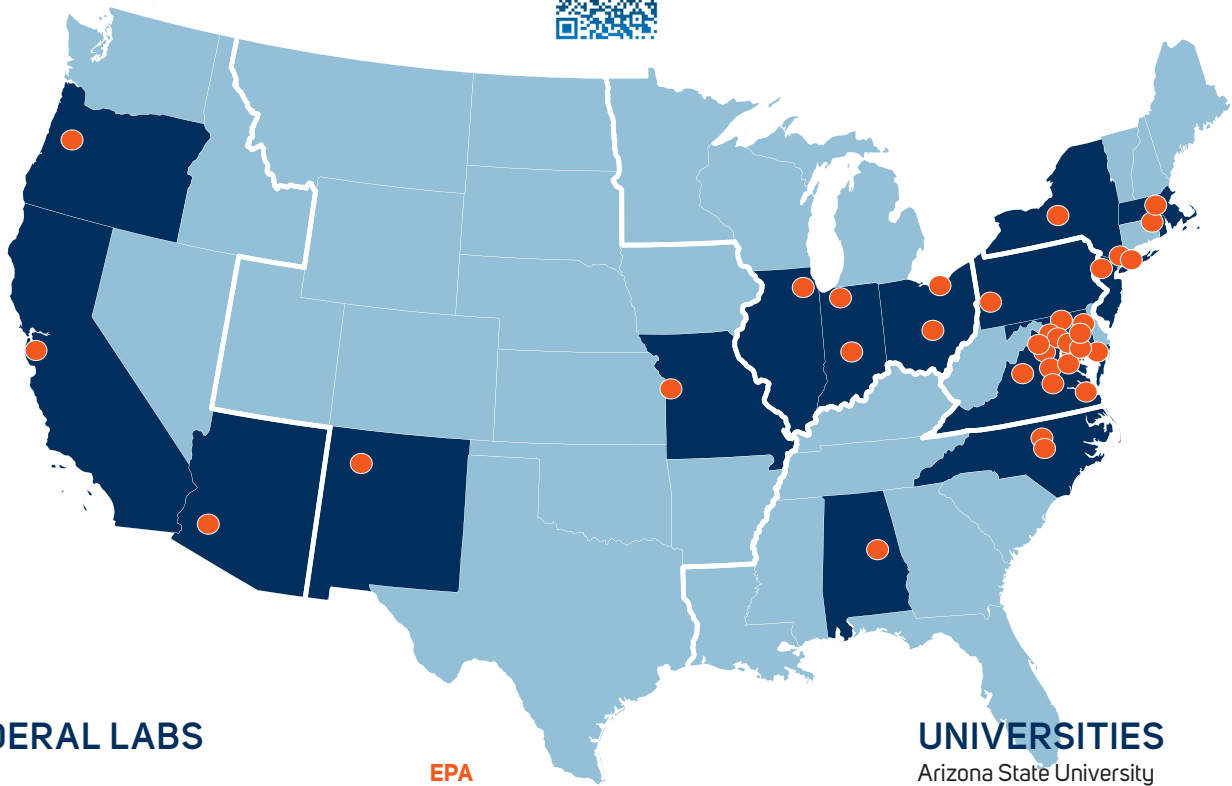
- Terry Law 123K
- Josh Atkins 115.7K
- Tujin Shi 93.6K

Innovative Program Connects Labs With Up-and-Coming Entrepreneurs

The Federal Lab Education Accelerator (FLEX) program bridges MBA students with federal labs, introducing the next generation of entrepreneurs to federal T2. Students participating in FLEX conduct market research on actual federal technologies, gaining invaluable experience. In return, federal labs receive insightful market assessments, creating a mutually beneficial exchange of knowledge and expertise. In the FLEX program's second year, the roster of labs and universities increased significantly, boosting the program's reach and impact exponentially.



◀ EXPLORE THE FLEX PROGRAM



FEDERAL LABS

CIA

CIA Labs

DOC

National Institute of Standards and Technology

DOD

Air Force Research Laboratory
National Reconnaissance Office
National Security Agency
Naval Surface Warfare Center, Crane Division
U.S. Army Combat Capabilities Development
Command Army Research Lab
U.S. Army Medical Research and
Development Command

DOE

Fermilab
National Energy Technology Laboratory
Los Alamos National Laboratory

EPA

HHS

National Cancer Institute
National Institute of Environmental
Health Sciences

DOI

U.S. Geological Survey

DOT

Federal Aviation Administration

NASA

Ames Research Center
Glenn Research Center
Goddard Space Flight Center
Langley Research Center

NSF

National Radio Astronomy Observatory

UNIVERSITIES

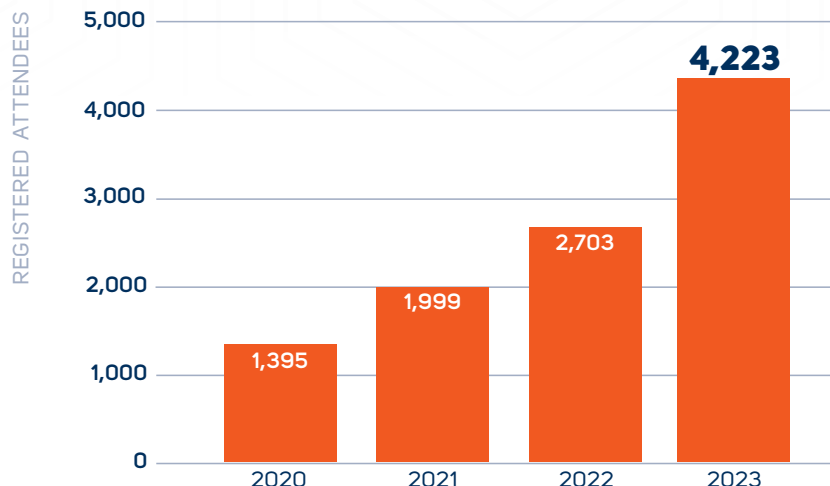
Arizona State University
Bentley University
Bowie State University
Brown University
Carnegie Mellon University
Columbia University
Cornell University
Duke University
The George Washington University
Georgetown University
Johns Hopkins University
New York University
Rutgers University
Stillman College
University of Maryland
University of Notre Dame

INDUSTRY ENGAGEMENT

Paving the Way for Partnerships

In federal T2, the right partnership can turn early tech into life-improving products — but labs and business professionals often need help finding each other. The FLC facilitates these vital collaborations through dynamic, targeted events where potential partners meet. In 2023, FLC-hosted events had **56% more registrants** than in the previous year.

ATTENDANCE AT FLC EVENTS



TOP 3 PARTNERSHIP-FOCUSED EVENTS

1

FLC NATIONAL MEETING

523 REGISTERED

The annual conference is both educational and partnership-oriented — but since it was the first National Meeting to be held in person since 2019, networking was an especially large draw for attendees.

2

NATIONAL CANCER INSTITUTE (NCI) TECHNOLOGY SHOWCASE

421 REGISTERED

An annual full-day event hosted in partnership with the NCI exploring how potential industry partners can work with the NCI and Frederick National Laboratory.

3

GREEN ENERGY INNOVATION EXPO

271 REGISTERED

A daylong event hosted with AUTM and the U.S. Patent and Trademark Office to highlight the impact of green energy in the fight against climate change, including panel discussions, networking sessions and a pitch competition.

SPOTLIGHT ON:



AUTM/FLC ANIMAL HEALTH PARTNERING EVENT

This event facilitated networking and knowledge-sharing among stakeholders across the animal health industry. This forum fostered learning and professional growth while creating a vibrant community of like-minded professionals committed to driving progress in their fields.

Events to Connect

39% of FLC event attendance

Industry and Tech Events bring together stakeholders from across the innovation ecosystem within a specific technology area, such as artificial intelligence or biotech.

Lab Showcases offer virtual deep dives into federal labs, highlighting the lab's research, T2 activities, opportunities and successes.

14% of FLC event attendance

Member Connects are short, virtual events where a member lab or strategic partner shares its tech transfer activities.

9% of FLC event attendance

Partnering Forums foster collaboration and innovation by bringing together individuals and organizations with similar goals and passions to exchange ideas and gain knowledge.

Building Vital Partnerships

The FLC enthusiastically collaborates with government, industry and academic organizations to connect their stakeholders with federal lab resources. By fostering cooperative communication, networking events, technology showcases and exhibition opportunities, these alliances bolster the FLC's mission to amplify technology transfer impact and assist all members of the federal T2 community.

NEW 2023 STRATEGIC PARTNERSHIPS



RTI INNOVATION ADVISORS assists government agencies by developing innovation strategies, finding partners to license and commercialize inventions, training entrepreneurs and researchers on startup methodologies, and engaging with regional innovation ecosystems to accelerate technology transfer and commercialization.



MARYLAND TECH COUNCIL is a collaborative community that is actively engaged in building strong technology and life science industries by providing resources and assistance to small life science and technology businesses and entrepreneurs.



EARTHX is an international nonprofit environmental organization dedicated to educating and inspiring people and organizations to take action toward a more sustainable future worldwide.



MISSISSIPPI ENTERPRISE FOR TECHNOLOGY is the state's hub for advocacy, business development and connectivity for the Stennis Space Center and the South Mississippi space and defense ecosystem.



DEFENSEWERX is a neutral facilitator, connecting a global network of individuals, businesses, academia and government organizations to enable creative and integrated solutions supporting national security.

STRATEGIC PLAN

Charting the Course

To continue its substantial progress, the FLC approved a new Strategic Plan, outlining its mission, vision and strategic goals to support federal laboratories' technology transfer efforts. This comprehensive plan takes a multipronged approach to enhancing the innovation ecosystem while upholding the core values of collaboration, excellence, inclusivity and integrity.



◀ EXPLORE THE FLC STRATEGIC PLAN



GOAL:

Deliver comprehensive education for federal technology transfer.

- Increase educational content targeted to four distinct career pathways: Intellectual Property Management, Agreements, Operations and Administration, and Marketing and Business Development.
- Increase stakeholders' awareness of the FLC's educational offerings.
- Elevate the prestige of the T2 profession.



GOAL:

Be a leader in communicating federal technology transfer opportunities and successes.

- Increase reach and engagement with FLC stakeholders through targeted communications.
- Raise public understanding of federal technology transfer and its national value.
- Deploy communications that are inclusive of diverse and relevant audiences.



GOAL:

Provide an inclusive access point to connect federal labs and external partners.

- Increase the number of federal labs actively engaged and participating with FLC partnering initiatives.
- Increase the number of external stakeholders engaged with FLC partnering initiatives.
- Enhance stakeholder experience to create opportunities for federal and non-federal stakeholders to collaborate.



GOAL:

Fully integrate diversity, equity, inclusion and accessibility (DEIA) principles into FLC culture.

- Strengthen DEIA awareness, administration and accountability in the FLC.
- Create an informed road map and frameworks to increase DEIA integration.
- Communicate DEIA activities and progress on a continuing basis.

2023 Financial Statement

By statute (15 U.S. Code § 3710[e][7]), the FLC receives its funding as a stated percentage of the intramural research and development budget of each federal agency for the fiscal year. These funds are transferred to the National Institute of Standards and Technology (NIST) at the beginning of each fiscal year and then transferred by NIST to the FLC to conduct its activities.

AGENCY CONTRIBUTIONS TO THE FLC FOR FISCAL 2023

AGENCY	AMOUNT INVOICED
Department of Agriculture	\$140,720
Department of Commerce	\$116,240
Department of Defense	\$2,645,360
Department of Energy	\$764,000
Department of Health and Human Services	\$608,240
Department of Homeland Security	\$27,200
Department of the Interior	\$79,920
Department of Transportation	\$22,400
Department of Veterans Affairs	\$146,560
Environmental Protection Agency	\$21,840
National Aeronautics and Space Administration	\$296,880
National Science Foundation	\$25,680
TOTAL	\$4,895,040

SCHEDULE OF REVENUES AND DISBURSEMENTS

Projected Revenues	\$5,191,390
Agency Invoiced Contributions	\$4,895,040
Budgeted Program Income	\$296,350
Budgeted Disbursements	\$4,264,850
Cooperative Agreement	\$3,699,850
Budgeted NIST Administrative/Direct Charges	\$565,000



Federal Laboratory Consortium
for Technology Transfer



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