

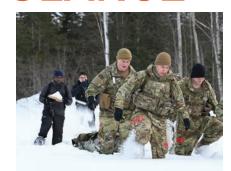
## 2025 PLANNER AT A GLANCE



**DECEMBER 2024** 



**JANUARY 2025** 



**FEBRUARY** 

JUNE



**MARCH** 





**JULY** 



**NOVEMBER** 



**LAB TECH EXTRAS** 

There were too many stunning photos to fit into just 14 months. Check out the Lab Tech Extras section following January 2026 for bonus photos of more innovative federal technologies.





....and more!



APRIL

**AUGUST** 





**SEPTEMBER** 



**OCTOBER** 



**DECEMBER 2025** 



**JANUARY 2026** 

LEARN MORE about the featured labs and technologies in the Laboratory Directory on the last page.



## **ABOUT THE FLC**

The Federal Laboratory Consortium for Technology Transfer (FLC) is a nationwide network of over 300 federal laboratories, agencies and research centers that fosters commercialization best practices and opportunities for accelerating technologies from federal labs into the marketplace. The American taxpayers invest in research and development (R&D) at our national laboratories, which has spurred scientific and technological breakthroughs that return dividends for our economy. New industries, businesses and jobs are created when technology transfer (T2) is introduced to the marketplace.

The FLC's mission is to support federal laboratories in maximizing the impact of technology transfer for the benefit of the United States. The FLC provides resources including education, training, tools and services that help federal labs create partnerships, navigate the commercialization process and succeed in the market.

By serving as the touchpoint for T2 communication, education, tools and services, the FLC plays a central role in supporting the skilled T2 workforce that our country desperately needs. These highly motivated T2 professionals are the driving force behind federal labs' ability to effectively partner with the private sector. The FLC strives to support the dedicated individuals who make up the federal laboratory system by continuing to serve as a gateway for industry, government and academia to access R&D to stimulate our nation's economic health.







## Far West

Regional Coordinator: Kimberly Minafra National Aeronautics and Space Administration Ames Research Center

Mid-Continent

Regional Coordinator:

Andy Myers

Kansas City National Security Campus

Midwest

Regional Coordinator:

Annie Bullock-Yoder

Naval Surface Warfare Center. Crane Division

## Northeast

Regional Coordinator:
David Lee
U.S. Army Combat Capabilities Development
Command Armaments Center

## Mid-Atlantic

Regional Coordinator: Amanda Corbel Frederick National Laboratory for Cancer Research

## Southeast

Regional Coordinator: Sharon Soucek National Institute of Environmental Health Sciences



## DECEMBER 2024





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Defense U.S. Army Engineer Research
1	2	3	4	5	6	7	and Development Center
							Construction Engineering Research Laboratory
							The U.S. Army Engineer Research and Development Center (ERDC)  Construction Engineering Research
8	9	10	11	12	13	14	Laboratory (CERL) develops technologies key to the design, build,
							operation and maintenance of training lands and contingency bases.
				Anniversary of Bayh-Dole Act			Their innovative projects include 3D-printed concrete buildings, installation energy, water planning, and
15	16	17	18	19	20	21	robotics for engineering operations — all aimed at supporting critical military mission assets.
22	23	24	25	26	27	28	
			Start of Hanukkah				NOTES
			Christmas	Start of Kwanzaa			
29	30	31	1	2	3	4	
		New Year's Eve					
						<u> </u>	



## JANUARY 2025





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Homeland Security  U.S. Coast Guard
29	30	31	1	2	3	4	Research and Development Center
			New Year's Day				For over 50 years, the Research and Development Center (RDC), located in New London, Connecticut, has been the Coast Guard's primary facility
5	6	7	8	9	10	11	performing research, development, and testing and evaluation. The RDC has developed technology and knowledge products that have enhanced the service's ability to execute its 11 statutory missions. The center has significant ongoing collaboration and
12	13	14	15	16	17	18	partnerships with local and national organizations including the Federal Laboratory Consortium.
19	Martin Luther King, Jr. Day	21	22	23	24	25	NOTES
26	27	28	29	30	31	1	
			Lunar New Year				



## FEBRUARY





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Defense U.S. Army
26	27	28	29	30	31	1	Research Institute of Environmental Medicine
							The U.S. Army Research Institute of Environmental Medicine (USARIEM) is internationally recognized as the Department of Defense's premier laboratory
2	3	4	5	6	7	8	for warfighter health and performance research, focusing on environmental medicine, physiology, physical and cognitive performance, and nutrition research. The USARIEM provides solutions to optimize
Groundhog Day							warfighter health and performance through biomedical research. Located in Natick, Massachusetts, USARIEM is a subordinate
9	10	11	12	13	14	15	command of the U.S. Army Medical Research and Development Command under the Army Futures Command.
					Valentine's Day		
16	17	18	19	20	21	22	
							NOTES
	Presidents' Day						
23	24	25	26	27	28	1	
					Start of Ramadan		



## MARCH





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Defense  MIT Lincoln Laboratory
23	24	25	26	27	28	1	MIT Lincoln Laboratory researches and develops advanced technologies to address critical national security needs.  It emphasizes building operational prototypes and transferring its innovations to the government and industry.
2	3	4	5	6	7	8	The lab's ability to turn concepts into field-worthy systems is enabled by talented staff working in specialized, cutting-edge facilities to develop technological solutions in a broad range of fields, such as radar systems, satellite communications, biotechnology, cybersecurity and artificial intelligence.
Start of Daylight Saving Time	10	11	12	13	14	15	Egbersecurity and artificial interligence.
16	17	18	19	20	21	22	NOTES
	St. Patrick's Day						
	24 30 ol-Fitr	25 31	26	27	28	29	



# APRIL





SUN	MON	TUE	WED	THU	FRI	SAT	U.S. Department of Agriculture Animal and Plant Health
30	31	1	2	3	4	5	Inspection Service National Wildlife Research Center
6	7	8	9	10		12	The National Wildlife Research Center is the research unit of the U.S.  Department of Agriculture-Animal and Plant Health Inspection Service's Wildlife Services program. Its mission is to apply
						Start of Passover	scientific expertise to resolve human-wildlife conflicts while maintaining the quality of the environment shared with wildlife. Researchers focus on issues related to agriculture, natural resources,
13	14	15	16	17	18	19	property, human health and safety, and wildlife diseases.
		Tax Day					
20	21	22	23	24	25	26	
							NOTES
Easter Sunday		Earth Day				World IP Day	
27	28	29	30	1	2	3	









SUN	MON	TUE	WED	THU	FRI	SAT	National Oceanic and Atmospheric Administration
27	28	29	30	1	2	3	Global Monitoring Laboratory
							The Earth System Research Laboratories' Global Monitoring Laboratory of the National Oceanic and Atmospheric Administration conducts
4	5	6	7	8	9	10	research that addresses three major challenges: greenhouse gas and carbon cycle feedbacks; changes in clouds, aerosols and surface radiation; and recovery of stratospheric ozone.
11	12	13	14	15	16	17	
Mother's Day		FLC 2025 Nat	ional Meeting			Armed Forces Day	
18	19	20	21	22	23	24	
							NOTES
25	26	27	28	29	30	31	
	Memorial Day						



# JUNE





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Energy Sandia National
1	2	3	4	5	6	7	Laboratories
							Sandia National Laboratories is a multi-mission laboratory managed and operated by National Technology & Engineering Solutions of Sandia, LLC, a wholly owned subsidiary of Honeywell
8	9	10	11	12	13	14	International Inc., for the U.S. Department of Energy's National Nuclear Security Administration. Major research and development responsibilities include
						Flag Day	nuclear deterrence, national security, defense nuclear nonproliferation, energy technologies, and advanced science
15	16	17	18	19	20	21	and technology, with main facilities in Albuquerque, New Mexico, and Livermore, California.
Father's Day				Juneteenth			
22	23	24	25	26	27	28	
							NOTES
29	30	1	2	3	4	5	









SUN	MON	TUE	WED	THU	FRI	SAT	Department of Energy  Los Alamos
29	30	1	2	3	4	5	National Laboratory
					Independence Day		Los Alamos National Laboratory, a multidisciplinary research institution engaged in strategic science on behalf of national security, is managed by Triad, a public service-oriented, national
6	7	8	9	10	11	12	security science organization. Los Alamos enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile; developing technologies to reduce threats from weapons of mass destruction; and solving problems related to energy, environment, infrastructure,
13	14	15	16	17	18	19	health and global security concerns.
20	21	22	23	24	25	26	_
							NOTES
27	28	29	30	31	1	2	



# AUGUST





SUN	MON	TUE	WED	THU	FRI	SAT	National Aeronautics and Space Administration
27	28	29	30	31	1	2	Langley Research Center
							NASA's Langley Research Center is comprised of nearly 200 facilities on 764 acres in Hampton, Virginia, and employs about 3,400 civil servants and contractors. Langley works to
3	4	5	6	7	8	9	make revolutionary improvements to aviation, expand understanding of Earth's atmosphere and develop technology
						Anniversary of the CHIPS and Science Act	for space exploration. As a result of NASA Langley's over 100 years of major contributions to aerospace research and development, it is listed on the National Register of Historic Places.
10	11	12	13	14	15	16	I CONTROLLED TO THE CONTROLLED
17	18	19	20	21	22	23	
							NOTES
24	25	26	27	28	29	30	
	31	International Do	ng Day 				



## SEPTEMBER





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Energy Oak Ridge National
31	1	2	3	4	5	6	Laboratory
	Labor Day						Oak Ridge National Laboratory, operated by UT-Battelle on behalf of the Department of Energy, delivers scientific discoveries and technical breakthroughs needed to realize solutions in energy and
7	8	9	10	11	<u> 12</u>	13	national security and provide economic benefit to the nation. It conducts research
							that translates science into solutions for the world's biggest problems. This translational R&D approach spans fundamental science to demonstration and deployment, leveraging signature
14	15	16	1 <i>7</i>	18	19	20	strengths in materials, neutrons, nuclear and computing sciences.
21	22	23	24	25	26	27	
							NOTES
28	29	30	1	2	3		
20	27	30					

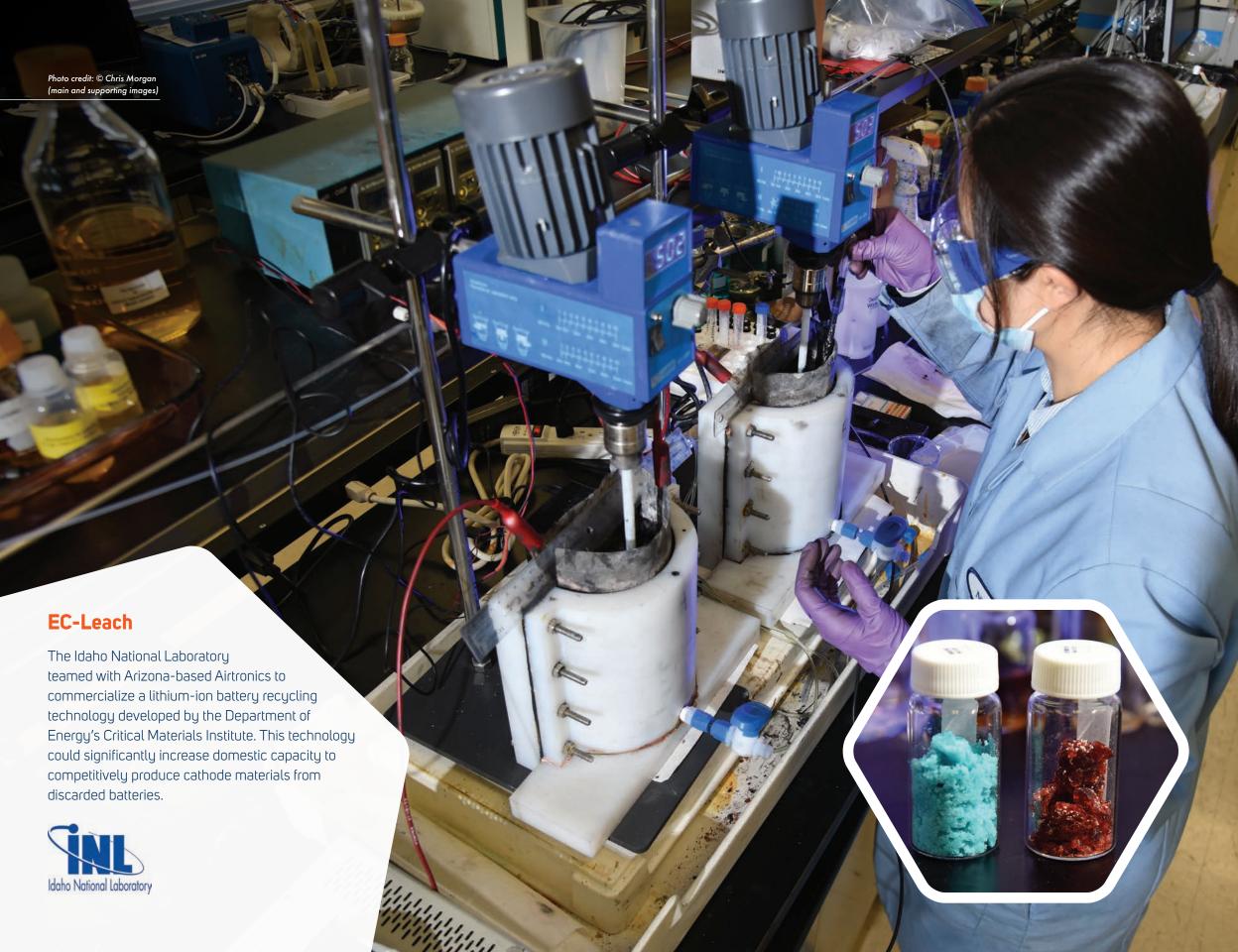


# OCTOBER





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Commerce National Oceanic and
28	29	30	1	2	3	4	Atmospheric Administration  Northeast Fisheries
			Start of Federal Fiscal Year				The Northeast Fisheries Science Center has conducted a comprehensive marine science program in the region since 1871.
5	6	7	8	9	10	11	The lab studies fisheries, monitors and models ocean ecosystems, and provides reliable advice for policymakers. The lab's work promotes recovery and long-term sustainability of marine life in the region, supports both wild and cultured seafood harvests, helps sustain coastal
12	Columbus Day Indigenous Peoples' Day	14	15	16	17	18	communities, and generates economic opportunities and benefits from the use of these resources.
19	Anniversary of Federal Technology Transfer Act of 1986 Start of Diwali	Anniversary of Stevenson-Wydler Act	22	23	24	25	NOTES
26	27	28	29	30	31	1	
					Halloween		



## NOVEMBER





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Energy  Idaho National Laboratory
26	27	28	29	30	31	1	Idaho National Laboratory (INL) is home to more than 6,100 researchers and support staff focused on innovations in nuclear research, renewable energy systems and security solutions that are changing the world. From discoveries in advanced
<b>2</b> End of Daylight Saving Time	3	<b>4</b> Election Day	5	6	7	8	options and protecting our nation's most critical infrastructure assets, the talented team at INL is constantly pushing the limits to redefine what's possible.
9	10	11	12	13	14	15	
		Veterans Day					
16	17	18	19	20	21	22	NOTES
23	24	25	26	27	28	29	
	30			Thanksgiving			



## DECEMBER 2025





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Energy  Lawrence Livermore
30	1	2	3	4	5	6	National Laboratory
							Lawrence Livermore National Laborator, (LLNL) is part of the National Nuclea Security Administration within the Department of Energy. LLNL's missior is strengthening national security by
7	8	9	10	11	12	13	developing and applying cutting-edge science, technology and engineering that respond with vision, quality, integrity and technical excellence to scientific issues
					Anniversary of Bayh-Dole Act		of national importance. The laboratory's science and engineering are being applied to achieve breakthroughs fo
14	15	16	17	18	19	20	counterterrorism and nonproliferation defense and intelligence, energy and environmental security
Start of Hanukk	kah						
21	22	23	24	25	26	27	
							NOTES
				Christmas	Start of Kwanzaa		
28	29	30	31	1	2	3	
			New Year's Eve				



## JANUARY 2026





SUN	MON	TUE	WED	THU	FRI	SAT	Department of Energy  Los Alamos
28	29	30	31	1	2	3	National Laboratory
				New Year's Day			Los Alamos National Laboratory, a multidisciplinary research institution engaged in strategic science on behalf of national security, is managed by Triad, a public service-oriented, national security
4	5	6	7	8	9	10	science organization. Los Alamos enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile; developing technologies to reduce threats from weapons of mass destruction; and solving problems related to energy, environment, infrastructure, health and global security concerns.
11	12	13	14	15	16	17	
18	19	20	21	22	23	24	<del></del>
	Martin Luther King, Jr. Day						NOTES
25	26	27	28	29	30	31	



## LAB TECH EXTRAS

## Miniature Microwave Sounder

MIT Lincoln Laboratory developed a miniaturized microwave sounder for NASA's TROPICS (Time-Resolved Observations of Precipitation structure and storm Intensity with a Constellation of Smallsats) mission. The sounder, integrated into a low-cost, small satellite (CubeSat), measures temperature, humidity and precipitation within tropical storms. A constellation of CubeSats can make hourly measurements enabling scientists to study the evolution of storms. Data collected by an 18-CubeSat constellation carrying this sounder will be used to generate forecasting models available to organizations needing time-sensitive monitoring of extreme storms.



Photo credit: Blue Canyon Technologies



## Nanosensor Array for Medical Diagnosis

NASA Ames' Nanosensor Array for Medical Diagnosis is being used to detect cow pregnancy via the cow's breath! The technology is based on nanochemical sensors on a silicon chip for real-time chemical and physical properties measurement of human breath (or, in this case, cow breath) for non-invasive and low-cost medical diagnosis. Agscent Breath Diagnostic devices will be a game changer. They will allow point-of-care pregnancy and disease diagnostics, which will improve livestock and dairy operator productivity, decrease costs, reduce operator injury and improve animal welfare.







## Researching Yosemite Bat Ecology using Radio Telemetry

U.S. Geological Survey (USGS) scientists attach a tiny radio transmitter to a California myotis (Myotis californicus) to study bat movements and roosting ecology, vital information for their conservation in partnership with Yosemite National Park. USGS is at the forefront of deploying tracking technology, acoustic monitoring and other cutting-edge methods to study the ecology of cryptic wildlife.



Photo credit (main image): © Austin Waag
Photo credit (supporting image): © Julia Ersan



## Grand Tube at the Advanced Photon Source

This is a view inside the Grand Tube at the Advanced Photon Source at the Department of Energy's Argonne National Laboratory during the tube's installation in 2024. The Grand Tube is a 70-foot-long, 9-foot-wide stainless-steel vacuum tube in which large-scale mobile X-ray detectors move in all three dimensions around samples, collecting scattering data. Scientists can use this data to reconstruct better 3D images of materials to better visualize their structures. Research revealed the Advanced Photon Source will lead to more efficient solar cells and more advanced chips for electronic devices, among many other breakthroughs.



Photo credit: © Jason Creps



## Field Pennycress — Weed to Food, Fuel and Feed

Field pennycress, a winter annual oilseed crop from the mustard family, is being domesticated to fit into the Midwest's conventional agricultural system. The advantage of pennycress production over other alternative oilseeds — such as canola, rapeseed and camelina — is that its winter hardiness allows for off-season production during the winter months, providing farmers with an additional cash crop. Farmers would have the ability to harvest three cash crops within a two-year timeframe. Pennycress serves as a new feedstock in the U.S. for advancing biofuels without competing with land for food production.



Photo credit: © Amber Durham (main and supporting images)









## Dry Ice Shipping Hazard on Cargo Aircraft

As soon as researchers developed a Covid-19 vaccine, it was shipped around the world. This vaccine required far greater amounts of dry ice than other medicines to maintain the ultra-low temperature during transport and storage. However, dry ice is a hazardous material when shipped via air. The Federal Aviation Administration quickly performed a series of tests, including this full-scale test on a retired cargo aircraft, to evaluate potential hazards. Soon, new guidance was issued to safely ship the vaccine across the U.S. and around the world.









# LABORATORY DIRECTORY



### December '24

Department of Defense
U.S. Army Engineer Research and Development Center
Construction Engineering Research Laboratory



### January '25

Department of Homeland Security U.S. Coast Guard Research and Development Center



### February

Department of Defense
U.S. Army Research Institute of
Environmental Medicine



#### March

Department of Defense MIT Lincoln Laboratory



#### April

U.S. Department of Agriculture Animal and Plant Health Inspection Service National Wildlife Research Center



#### May

National Oceanic and Atmospheric Administration Global Monitoring Laboratory



### June

Department of Energy Sandia National Laboratories



### Juli

Department of Energy
Los Alamos National Laboratory



### **August**

National Aeronautics and Space Administration Langley Research Center



### September

Department of Energy
Oak Ridge National Laboratory



#### October

Department of Commerce National Oceanic and Atmospheric Administration Northeast Fisheries Science Center



### November

Department of Energy Idaho National Laboratory



### December '25

Department of Energy
Lawrence Livermore National Laboratory



### January '26

Department of Energy Los Alamos National Laboratory

## Lab Tech Extras



Department of Defense MIT Lincoln Laboratory



National Aeronautics and Space Administration Ames Research Center



Department of the Interior
U.S. Geological Survey
Western Ecological Research Center



U.S. Department of Agriculture Agricultural Research Service National Center for Agricultural Utilization Research



Department of Energy Argonne National Laboratory



Department of Transportation Federal Aviation Administration Fire Safety Laboratory





Federal Laboratory Consortium for Technology Transfer











## Judges

Aleesha Bora Amanda Jelsema Annie Bullock-Yoder Arnett Wayne Strickland Benjamin Recchie Bhoomija Hariprasad Charlotte Eng Derek Parks Janet Mercer-Smith Jesse Midgett

Kimberly Minafra Andy Myers Lydia Hierl Maria Duran Maria Torres Michael Pollack Sarah Hibbs-Shipp Suzanne Frisbie Vladimir Popov Will Rarich