

STATE OF THE INDUSTRY

Life Sciences in Maine

2026

BIOME
Bioscience Association of Maine



ABOUT BIOME

The Bioscience Association of Maine (BioME) is a trade organization that promotes the industry's growth, interprets its benefits to the public, and influences pertinent public policy.

BioME's mission is to advance economic growth and opportunities within the life sciences community in Maine through life sciences advocacy, education, economic development, workforce development, and attracting out-of-state business.

MISSION

To advance economic growth and opportunities in the life sciences community of Maine.

VISION

Maine is a premiere location for life sciences industry, education and research.

Biomaine.org



CONTENTS

▶ About BioME	02
▶ Industry Impact	04
▶ Executive Summary	05
▶ Industry Overview	06
Job Growth	7
Top Subsectors	12
Subsector Job Trends	13
Top Occupations	16
Top Earning Occupations	17
Earnings Growth	18
Top Employers	19
Tech Sector Job Trends	20
Earnings Per Job	21
Job Multipliers	24
Regional Comparison	25
▶ Funding Sources	27
NSF Awards	30
NIH Awards	33

SBIR/STTR Awards	35
Venture Capital	37
MTAF 3.0 Awards	39
MTI Awards	40
Exports	43
Imports	46
Patents	47

▶ Higher Education	49
Research & Development	52
Spending by Institution	53
Spending as Share of GDP	54
Total R&D Spending	55
Degrees	56
▶ Data Appendix	58
NAICS Definitions	59
Import/Export Commodity Codes	60
MTI Sector Definitions	61
Degree/Certification Codes	62
Data Sources	62
▶ Board of Directors & Staff	71

2025 Industry Impact of Maine's Life Sciences

8,345
Jobs

\$122K
Average
Annual
Earnings

\$2.3B
Maine's
GRP*

4.6%
of Maine's
Total Exports

Source: Lightcast, USA Trade Online

Note: Gross Regional Product (GRP) is the total value of goods and services produced within an area during a given period. It is the state-level equivalent of national Gross Domestic Product (GDP).

EXECUTIVE SUMMARY

Employment and Industry Scale

- Maine's Life Sciences Sector supports 8,345 jobs across 651 business establishments and contributes approximately \$2.3 billion to the state's economy.
- Sector employment grew by 26% from 2015 to 2025, outpacing the 8% growth across all Maine industries.
- Although growth moderated to 7% between 2020 and 2025, employment remains well above pre-pandemic levels.

Occupations and Earnings

- The sector supports a diverse range of careers across production, scientific research, laboratory services, healthcare, engineering, and management.
- Average earnings reached \$122,874 per job in 2025, well above the statewide average of \$75,553.

Funding, Investment, and Innovation

- Maine entities received \$22.3 million in Life Sciences-related NSF funding and \$688.2 million in NIH funding between 2020 and 2025.
- Life sciences companies in Maine received \$13.4 million in SBIR/STTR funding between 2020 and 2024.
- Maine Life Sciences startups raised \$94.3 million in venture capital between 2020 and 2025.
- Maine Technology Asset Fund 3.0 awarded \$6.2

million to six Life Sciences entities, leveraging more than \$76 million in matching investment.

- Maine inventors were awarded approximately 185 life science-related patents between 2020 and 2025, including approximately 92 in medical technology.

Foreign Trade

- Maine exported approximately \$146.2 million in Life Sciences commodities in 2025, representing 4.6% of total state foreign exports.
- Life sciences exports were more than twice the value of imports and were led by optical analytical instruments and sanitary products.

R&D and Higher Education

- Maine's higher education R&D expenditures in the life and physical sciences reached \$81.0 million in 2024, up 41% since 2019. Overall higher education R&D spending remained consistent with 2023 levels at \$2,254 per \$1 million of GRP, ranking below all other New England states.
- The University of Maine accounted for 80% of statewide higher education R&D spending in these fields.
- Maine institutions awarded 999 Life Sciences degrees in 2024, a 44% increase over the past decade, with women earning approximately two-thirds of the total.



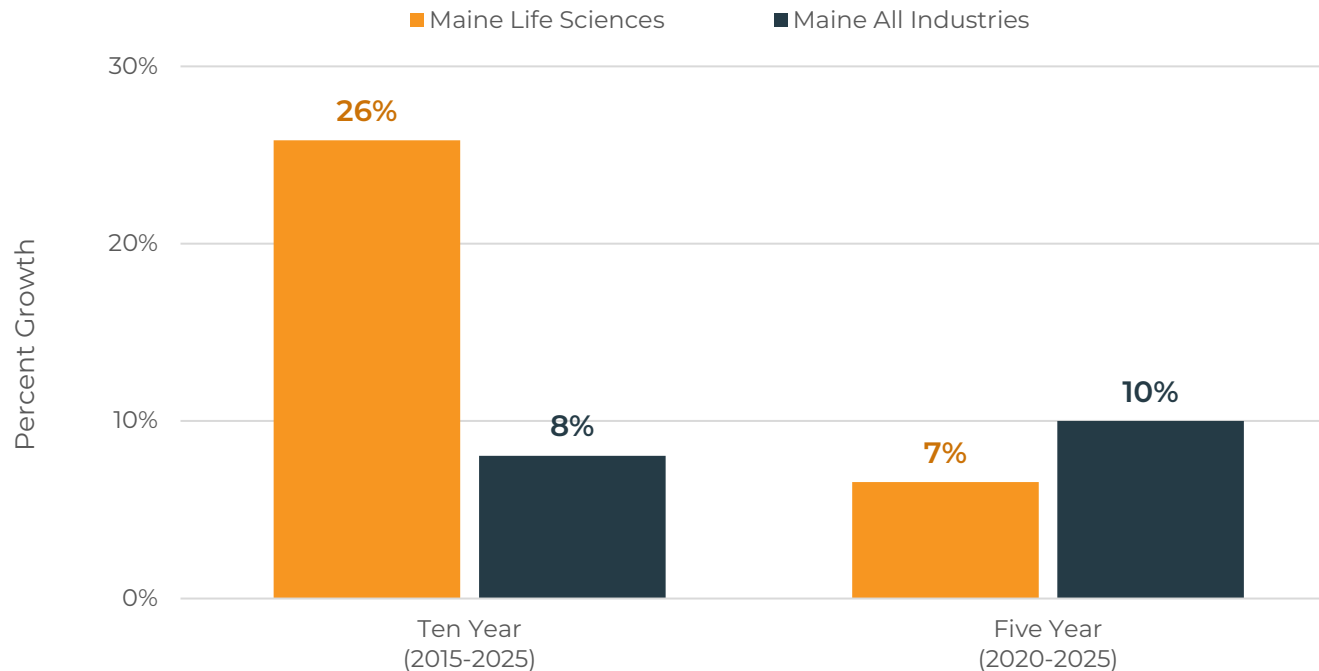
1. INDUSTRY OVERVIEW

Job Growth vs. Economy Overall

KEY FINDING:

Over the past 10 years, Maine's Life Sciences Sector grew by 26%, compared to 8% for all industries statewide. More recently, growth slowed to 7% over the past five years, while overall statewide employment grew by 10%.

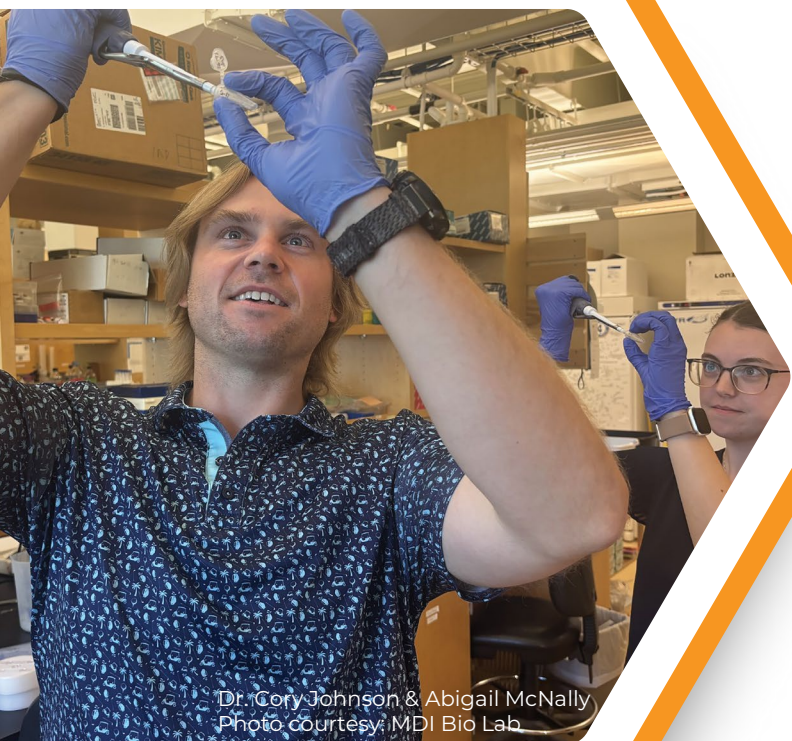
Employment in Maine's Life Science Sector



Source: Lightcast

MDI Biological Laboratory

Building a Science Career in Maine



Dr. Cory Johnson & Abigail McNally
Photo courtesy: MDI Bio Lab

Growing up in Camden, Dr. Cory Johnson always had a love for nature and the outdoors. He became a sea kayak guide in Maine and then a ski instructor in Colorado. That was the long-term plan, but the pull to return home was strong, and a new plan came into view.

“I decided I wanted to go back to school for biology, and I got my undergraduate degree at the University of Maine and started working in a neuroscience lab,” says Johnson, a postdoctoral researcher at the MDI Biological Laboratory (MDI Bio Lab).

He’s been working in labs ever since, conducting research while earning his doctorate from the University of Maine’s Graduate School of Biomedical Science and Engineering, where he focused on cell biology. When it came time to look for a postdoctoral position, he applied to programs all over the country.

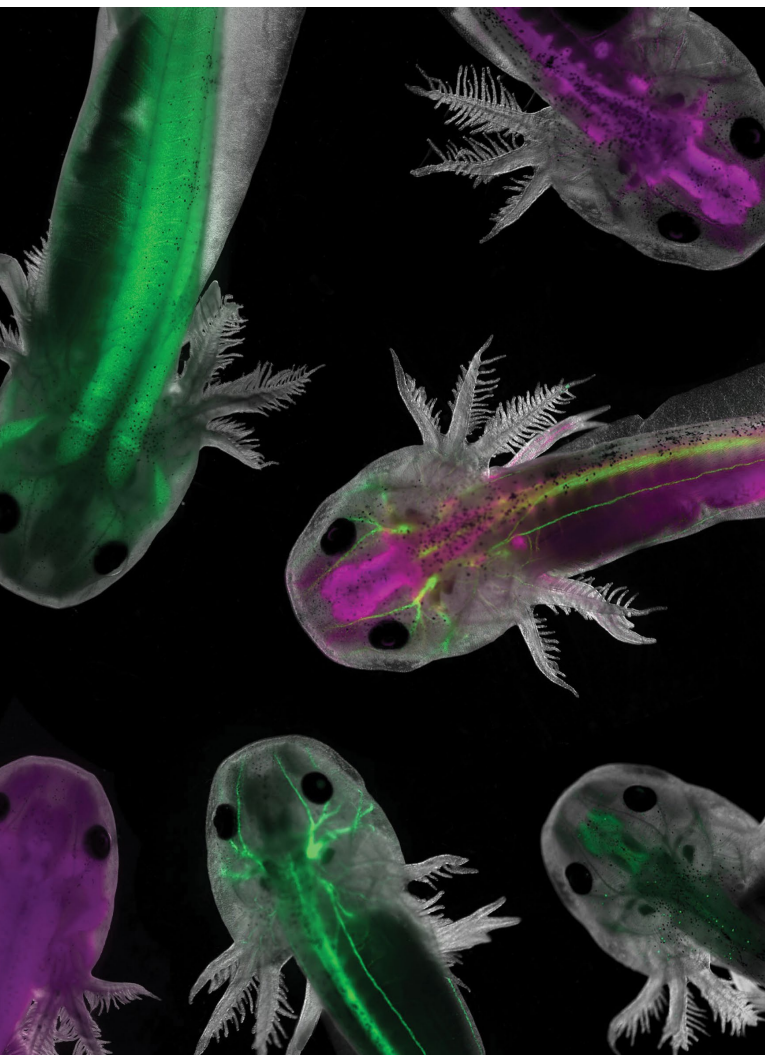
“Everyone told me to leave Maine, go to a place with the biggest resources,” says Johnson. “I wanted to challenge that, and I could see Maine’s life science sector was growing. When I visited MDI Bio Lab, saw the facility and had conversations with people, that was the spark I needed to think that maybe it was possible to build my career in Maine.”

Johnson joined MDI Bio Lab in 2022.

MDI Bio Lab’s innovative faculty members are pushing the boundaries of regenerative medicine and aging research. The world-renowned research institution works with nontraditional animal models for human health, such as axolotl salamanders, which can regenerate their limbs, tails, organs, and even parts of their brains. The scientists are gaining knowledge that can transform human health, finding novel strategies to regenerate damaged tissues and organs and slow the onset of age-related disease.

“When I visited MDI Bio Lab, saw the facility and had conversations with people, that was the spark I needed to think that maybe it was possible to build my career in Maine.”

— Cory Johnson, PhD



Photos courtesy: MDI Bio Lab

Johnson is focused on vascular aging: how blood vessels—and particularly the cells that line them—lose resilience as we age, and how those cells might be protected. He uses stem cells and advanced “microfluidic” systems to mimic human vasculature and test new drugs and therapies.

MDI Bio Lab is also committed to developing the next generation of scientists. It leads a statewide collaborative network of 17 research and education institutions called the Maine INBRE, which has provided hands-on research experiences for thousands of undergraduates and helps them develop the essential skills needed to join the bioscience workforce of the future.

The Maine INBRE supported Abigail McNally’s undergraduate research at the University of Maine. She focused on cell culture work, an experience that helped her land her current research position at MDI Bio Lab.

“I grew up in Maine and really wanted to stay and work in Maine,” says McNally. “I felt like I had good career choices here, and this position really is the perfect fit.”

“In a state like Maine, with a small population and a vast geography, it’s our willingness to work together that makes us competitive in the global biomedical world and allows us to punch above our weight,” says Dr. Hermann Haller, president of MDI Bio Lab.

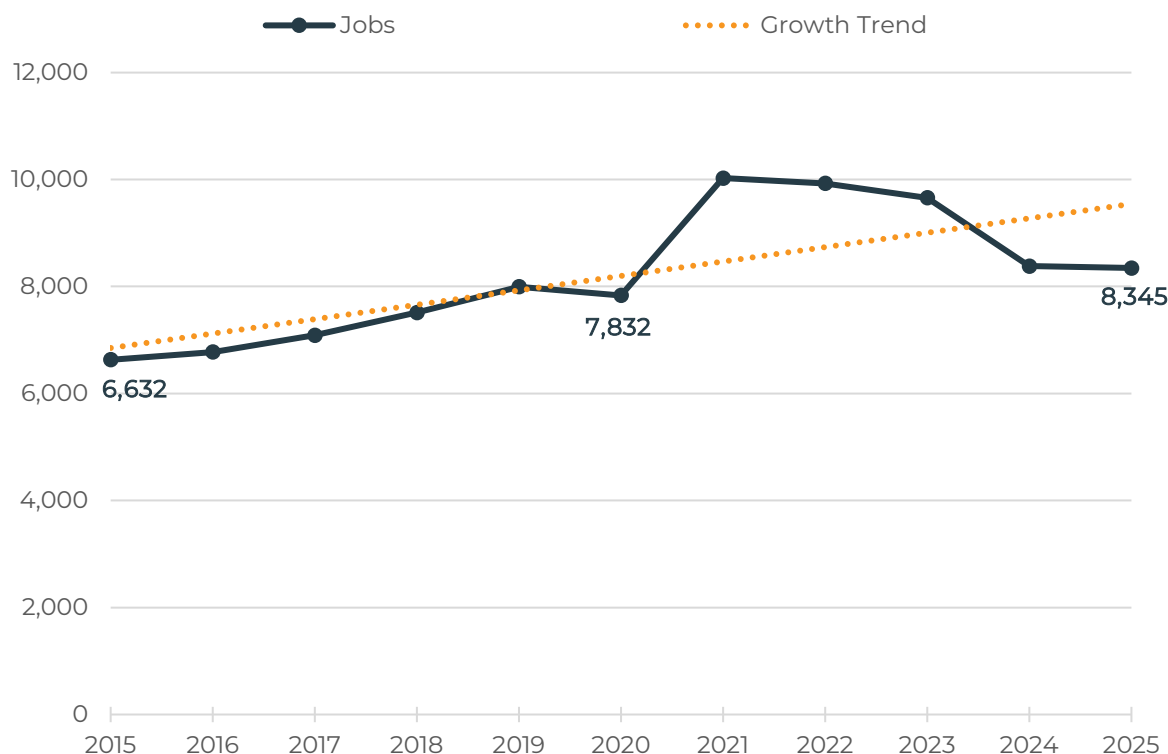
At heart, Dr. Cory Johnson is a cell biologist who wants to take his science and translate it into tangible results that improve human health. The fact that he can do that at the highest level at MDI Bio Lab—and go sea kayaking outside his office door—tells him he is exactly where he’s meant to be.

Job Growth

KEY FINDING:

Jobs in Maine's life sciences sector grew steadily from 6,632 in 2015 to a peak of approximately 10,000 in 2021. The sharp pandemic-era increase was concentrated in industries connected to COVID-19 response needs. Between 2020 and 2021, employment grew by 823 jobs in In-vitro Diagnostic Substance Manufacturing and by 1,061 jobs in Surgical Appliance and Supplies Manufacturing which was consistent with elevated demand for testing products and related medical supplies. Employment declined from its pandemic-era peak in subsequent years, totaling 8,345 jobs in 2025, but remains above pre-pandemic levels.

Job Growth in Maine's Life Sciences Sector, 2015-2025

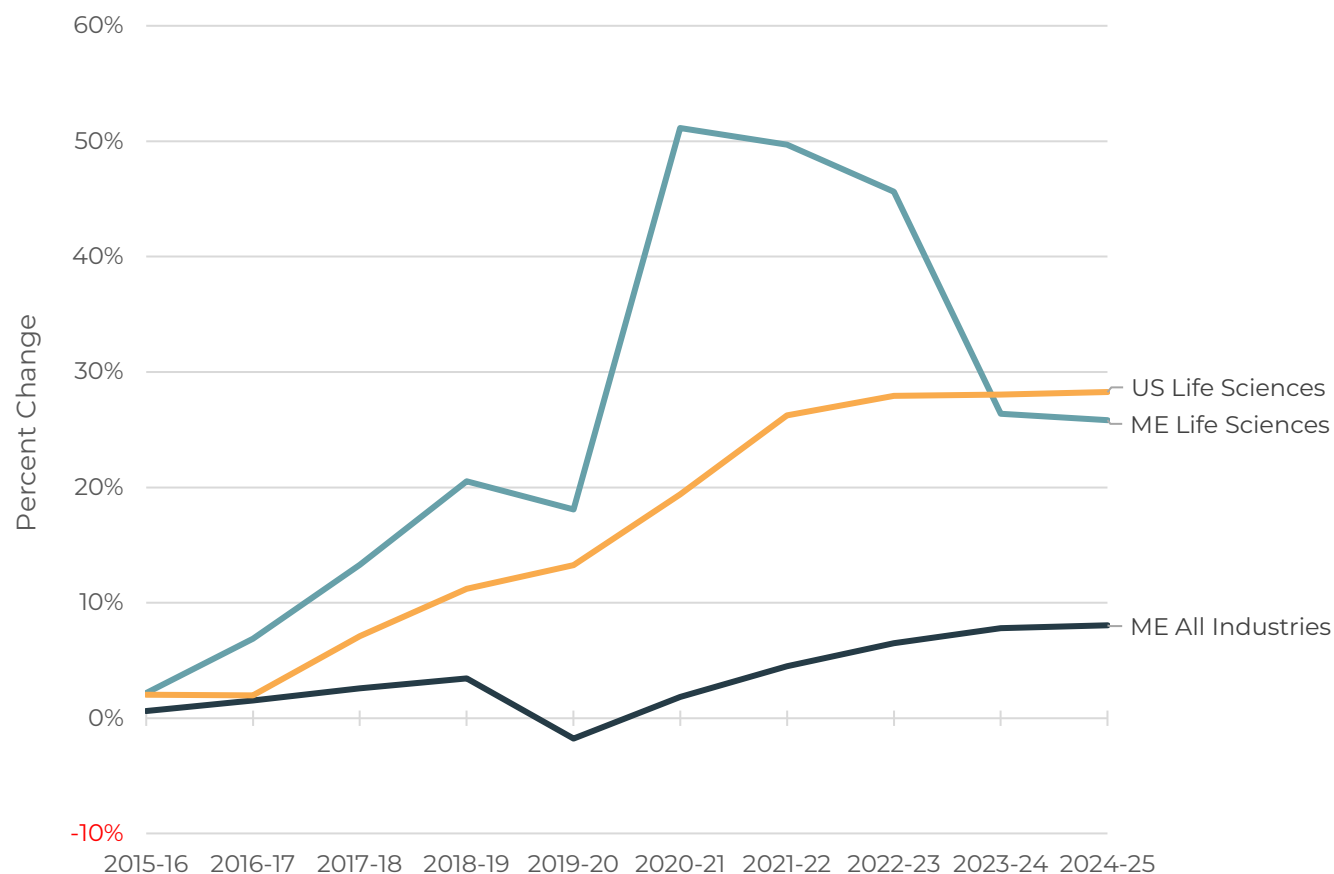


Source: Lightcast, Camoin Associates

Note: The linear growth trend line smooths year-to-year fluctuations and shows the underlying employment trend over the 10-year period. While employment has declined from its pandemic-era peak, the overall trend remains positive, with 2025 employment approximately 26% above 2015 levels.

Cumulative Job Growth

Cumulative Job Growth in Life Sciences
& All Maine Industries, 2015–2025



Source: Lightcast

KEY FINDING:

Maine's Life Sciences Sector substantially outpaced overall statewide job growth from 2015 to 2025, despite recent declines from its 2021 peak. By 2025, Life Sciences employment remained around 26% above 2015 levels, compared with around 8% growth across all Maine industries. Maine's Life Sciences job growth has softened in recent years and currently trails the national Life Sciences growth trend, which was 28% over the 10-year period.

Top Subsectors

KEY FINDING:

Within Maine's Life Sciences Sector, Pharmaceutical and Medicine Manufacturing represents the largest share of jobs (34%), followed by Research and Development in the Physical, Engineering, and Life Sciences (29%). Together, these two subsectors accounted for approximately 63% of total Life Sciences' jobs in Maine in 2025.

Top Subsectors for Maine's Life Sciences Jobs, 2025

Description	Jobs	% of Life Science Jobs
Pharmaceutical & Medicine Manufacturing	2,825	34%
Research & Development in the Physical, Engineering, & Life Sciences	2,403	29%
Medical & Diagnostic Laboratories	988	12%
Medical Equipment & Supplies Manufacturing	864	10%
Medical, Dental, & Hospital Equipment & Supplies Merchant Wholesalers	626	7%
All Other	640	8%
ME Life Sciences	8,345	100%

Source: Lightcast

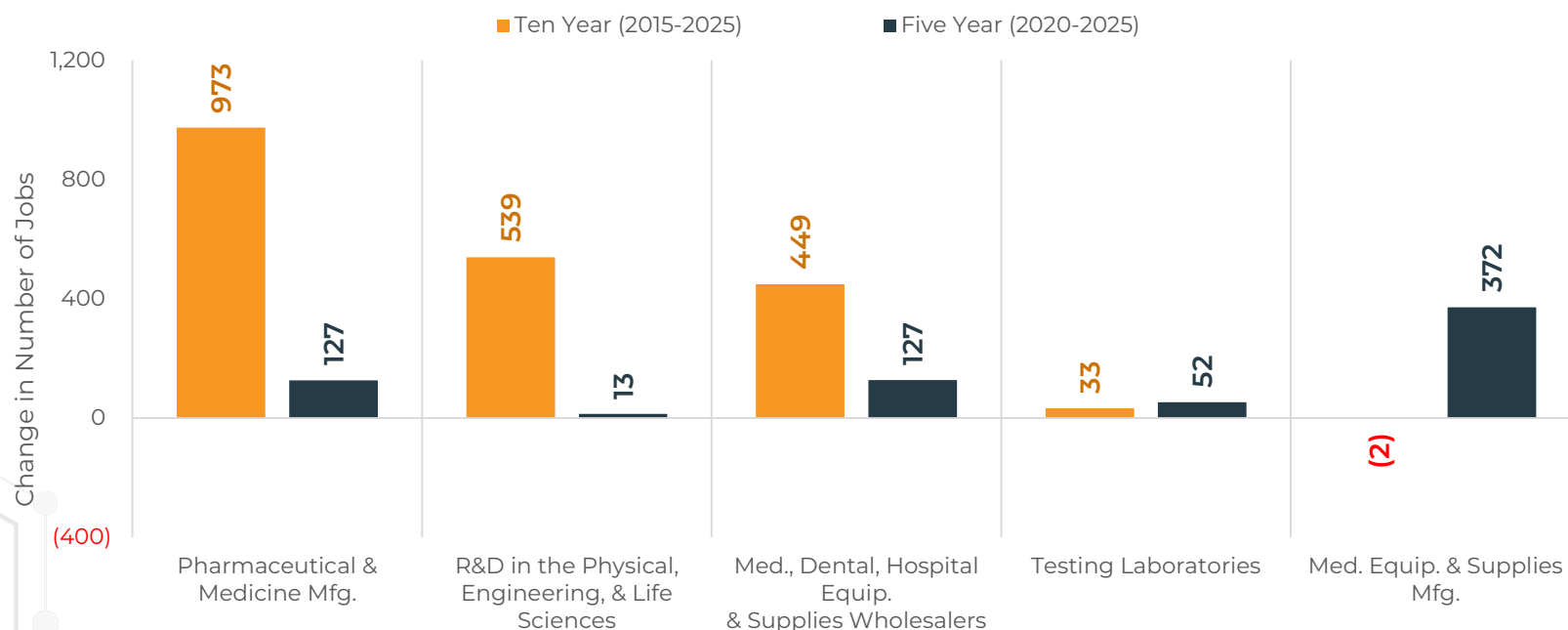
Note: Diagnostic products are included in the Pharmaceuticals & Medicine Mfg. Subsector

Job Expansion and Contraction Trends

KEY FINDING:

Maine's top Life Sciences Subsectors have experienced uneven but generally positive job growth. From 2015 to 2025, the largest gains were in Pharmaceutical and Medicine Manufacturing, R&D in the Physical, Engineering, and Life Sciences, and Medical, Dental, and Hospital Equipment and Supplies Wholesalers. More recent five-year growth was strongest in Medical Equipment and Supplies Manufacturing. Overall, Maine's Life Sciences growth is supported by both long-term expansion in pharmaceuticals, R&D, and distribution, as well as more recent gains in medical equipment manufacturing.

Job Expansion & Contraction Trends in Maine's Top 5 Life Sciences Subsectors



Source: Lightcast

Note: Diagnostic products are included in the Pharmaceuticals & Medicine Mfg. subsector. Top subsectors are defined as those with the greatest job growth over the ten-year period



Providing the Proving Ground

Northeastern University's Roux Institute has launched a Life Sciences and Health Innovation Hub. The hub is the connective tissue linking start-up founders, mentors, investors, experts, partners, infrastructure, and programming into one ecosystem that moves ideas forward at every stage.

That ecosystem is why, at a Starbucks in Bangor, two business partners made an important decision about their new medical diagnostics company: they wanted to build it in Maine.

"We wanted to do as much as possible in the Maine ecosystem. Whether it's hiring, collaborating or finding investors, we want to tie into the Maine economy," says Kevin Grant, co-founder and chief innovation officer at BoundlessDx.

That goal became possible, in part, because of the expertise and facilities within the hub.

BoundlessDx became one of the first companies to use the Roux Institute's BioCoLab, a shared-use wet lab and membership program created in collaboration with the University of Southern Maine and funded by Maine Technology Institute (MTI). The BioCoLab provides early-stage life science companies and researchers with access to capital equipment and specialized facilities in Portland.

Those lab facilities will expand, with support from the Maine Life Sciences Center at MTI, when Northeastern University's Portland campus opens in 2027.

“Scientific discovery that can be taken to market needs a proving ground to actually test those opportunities, and that's what the Roux Institute is providing.”

— **Aileen Huang-Saad**
*Director of Life Sciences, Health & Engineering Programs
Northeastern University's Roux Institute*



Photo courtesy: Krista Rosen

Photo courtesy: The Roux Institute Northeastern University



Northeastern University's Portland Campus — Opening late 2027

The state-of-the-art, multi-building complex will serve as a hub for education, research, and entrepreneurship and be home to the university's Roux Institute and Alford Center.

The 13.5-acre campus will feature new public green space, waterfront access, and pedestrian and bicycle connections for all to enjoy.



BoundlessDx, co-founded by Grant and CEO Josh Hayward, has built an intelligent, real-time, edge-of-care platform designed to make health information more accessible. Its handheld device uses a few drops of blood and within seconds tells a provider whether a problem is inflammation or infection or whether it is bacterial or viral.

"We're helping build the next generation of life sciences companies in Maine, and giving founders a real shot at success," says Elena Brondolo, Director of Life Sciences & Health Entrepreneurship at Northeastern University's Roux Institute.

Krista Rosen co-founded Atlantic BlueBio, a blue biotech startup focused on marine-derived ingredients, specifically kelp. The company engaged the Hub to extract and analyze high-value kelp compounds for biomedical markets.

"It's extremely helpful to understand the chemistry behind kelp and for us to learn when is the best time for farmers to harvest," says Rosen. "This project is giving us access to scientists and valuable information that will help us reach our goal of building Maine's first seaweed biorefinery."

In addition to wet lab space and startup support services, the hub is building a life sciences and health intelligence platform that converts fragmented health and biological data into a pipeline of opportunities for innovation—new tools, new therapies, and new solutions.

Restoration Medicine brings an AI-enabled pelvic health diagnostic and virtual care platform to Maine. The company joined the Roux through programming supported by Northern Light Health, MaineHealth, and the Maine Venture Fund. With support from Roux mentors and students, Restoration Medicine is already working with Maine providers and seeing positive therapeutic benefits for patients in the state, as it expands.

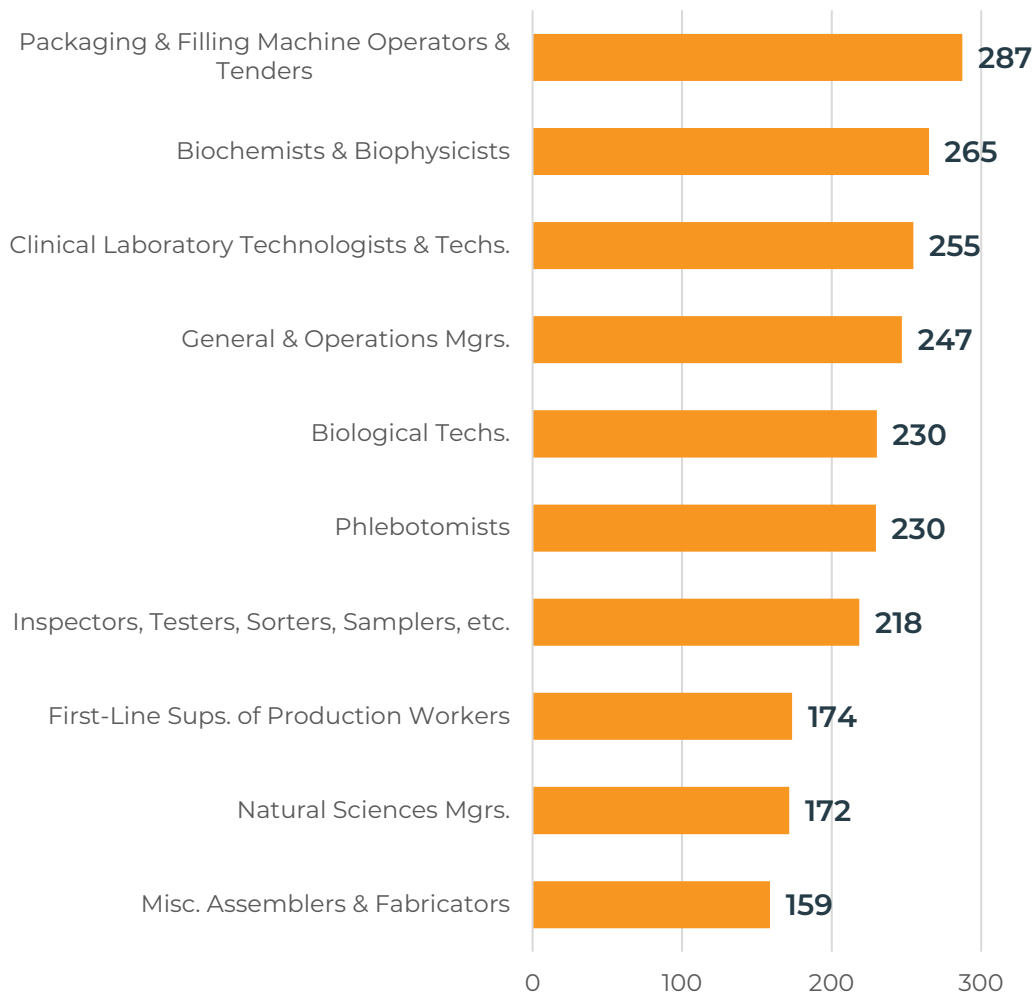
The Life Science and Health Innovation Hub is working with entrepreneurs at every stage, whether that's a student with a great idea, an early-stage startup or an established company looking to grow. The Hub has the infrastructure to test those ideas and the expertise to help turn a conversation over coffee at a Bangor Starbucks into reality.

Top 10 Occupations

KEY FINDING:

Maine's largest Life Sciences occupations reflect the sector's diverse workforce needs, spanning production, scientific research, laboratory services, healthcare, and management. Packaging and filling machine operators represent the largest occupation with 287 jobs, followed by biochemists and biophysicists (265) and clinical laboratory technologists and technicians (255).

Top 10 Occupations in Maine Life Sciences, 2025

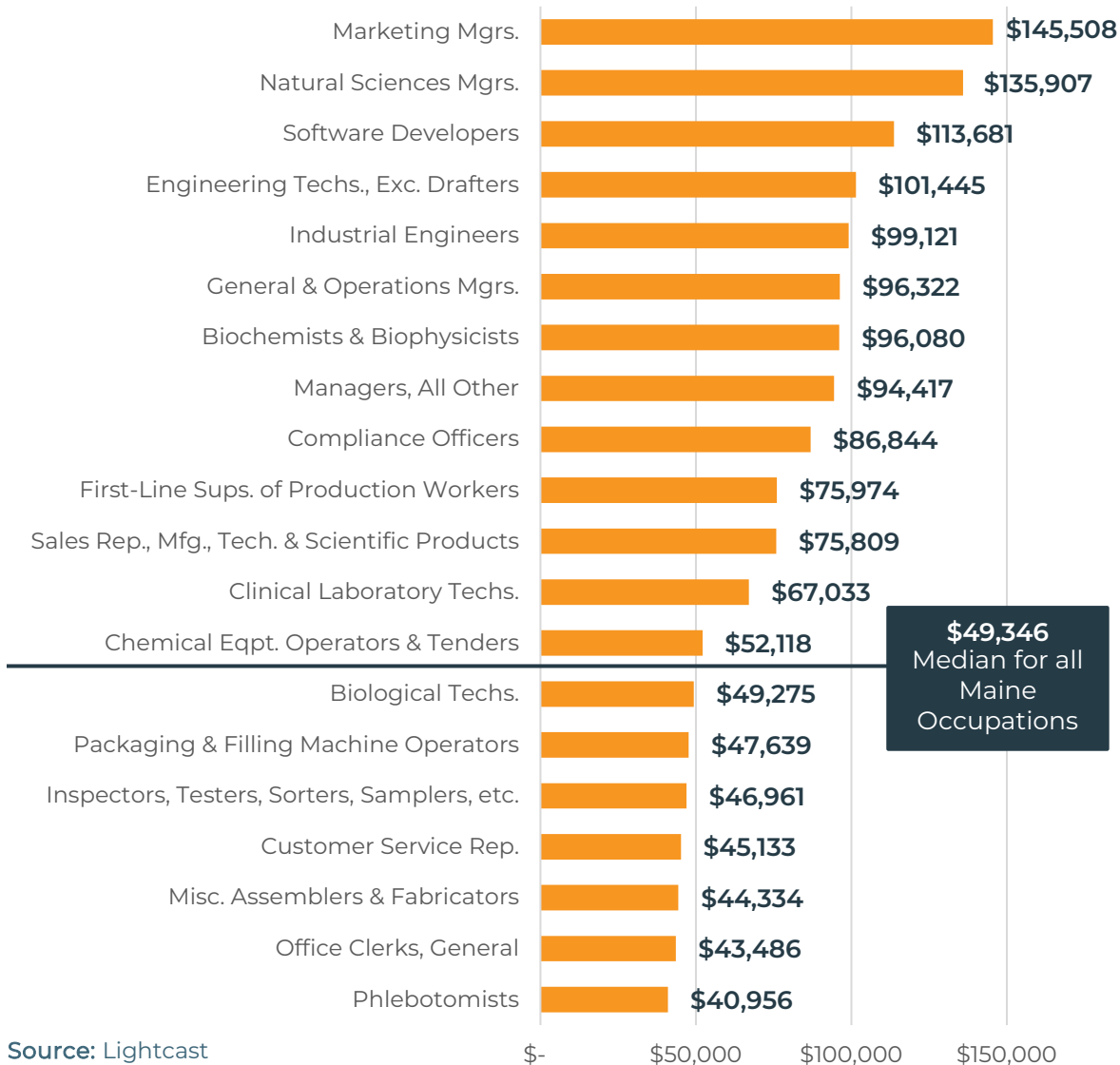


Source: Lightcast

Note: Top occupations are defined as those with the most jobs in 2025.

Median Annual Earnings

Median Annual Earnings for the Top 20 Occupations in Maine Life Sciences, 2025



KEY FINDING:

Maine's Life Sciences Sector supports a wide range of occupations across management, science, engineering, production, and administrative functions. Median annual earnings among the top occupations range from approximately \$41,000 for phlebotomists to more than \$145,000 for marketing managers, with several management, technical, and scientific occupations earning more than \$90,000 annually.

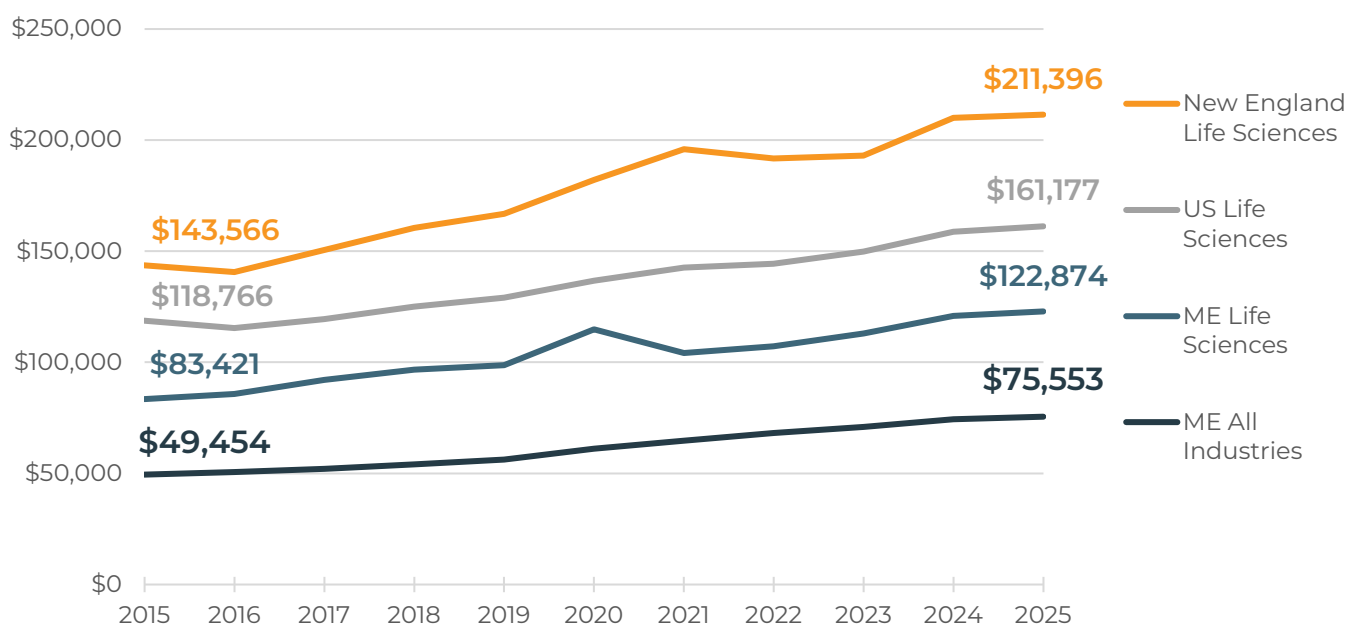
Note: Top occupations are defined as those with the most jobs in the Life Sciences Sector in 2025. The median annual earnings presented in this figure represent the median earnings across all sectors. While these occupations are the ones most critical to the Life Sciences Sector, many of them may also be employed in other sectors. Therefore, the median earnings presented here are specific to the overall occupation but not specific to Life Sciences. Additionally, median earnings presented in this figure exclude income supplements such as retirement benefits, profit-sharing, and social insurance programs.

Growth in Average Earnings

KEY FINDING:

Average earnings in Maine's Life Sciences Sector increased from \$83,421 in 2015 to \$122,874 in 2025, reflecting strong wage growth over time. While earnings remain below US and New England Life Sciences averages, they exceed average wages across all industries in Maine, which reached \$75,553 in 2025.

Growth in Average Earnings for Jobs in Life Sciences



Source: Lightcast

Note: Average Earnings, sometimes referred to as average earnings per worker, represents total industry earnings divided by the number of jobs in that industry for the same year. This measure includes work-related income before taxes, such as wages, salaries, supplements, and proprietor income. It does not include non-labor income, such as dividends, interest, rental income, Social Security, or other income not tied directly to employment.

TOP EMPLOYERS IN MAINE 2026

- ▶ **IDEXX** - 3,100 Employees
- ▶ **The Jackson Laboratory** - 1,462 Employees
- ▶ **Abbott** - 556 Employees
- ▶ **University of Maine** - 450 Employees
- ▶ **Puritan Medical Products** - 420 Employees
- ▶ **Corning Life Sciences** - 340 Employees
- ▶ **Mölnlycke Health Care** - 270 Employees
- ▶ **MaineHealth Institute for Research** - 258 Employees
- ▶ **The Baker Company** - 168 Employees
- ▶ **EnviroLogix** - 140 Employees
- ▶ **Elanco** - 135 Employees
- ▶ **MDI Biological Laboratory** - 112 Employees
- ▶ **Bigelow Laboratory for Ocean Sciences** - 110 Employees
- ▶ **LGC Clinical Diagnostics** - 75 Employees

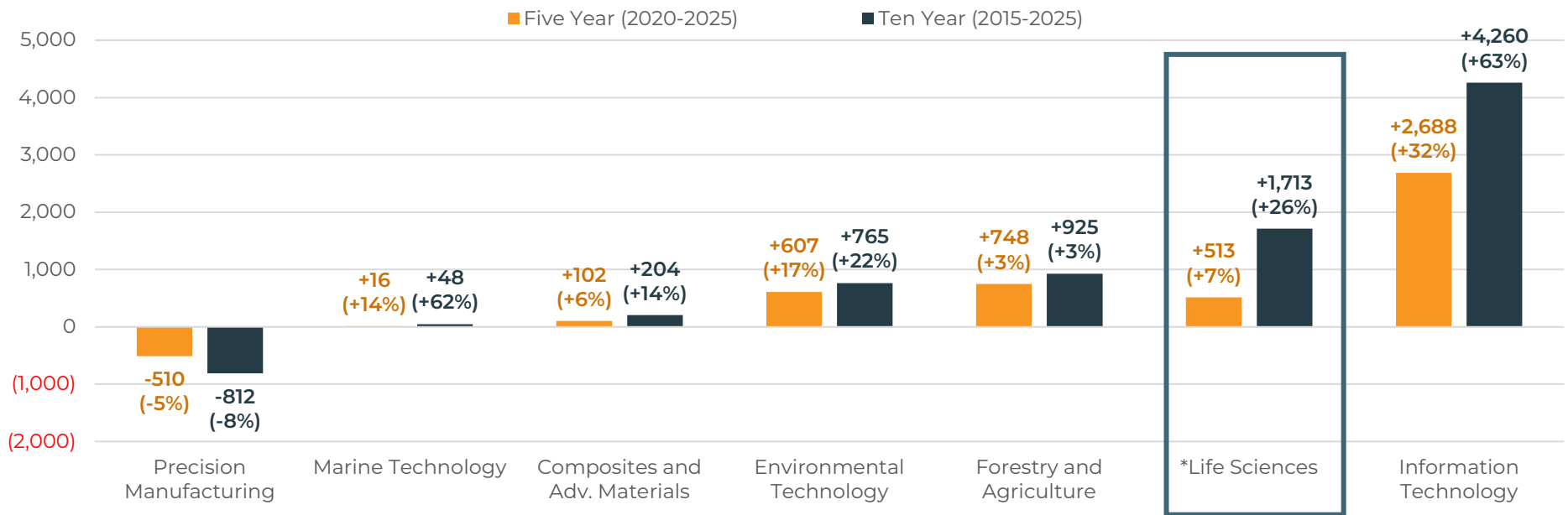


Job Trends in Maine's Technology Sectors

KEY FINDING:

Across Maine's target technology sectors, Information Technology (32%) and Environmental Technology (17%) led five-year job growth. Life Sciences employment grew by 7% over the same period, comparable to Composites and Advanced Materials (6%). All sectors experienced five-year and ten-year growth, except for Precision Manufacturing.

Job Expansion & Contraction Trends in Maine's Target Technology Sectors



Source: Lightcast

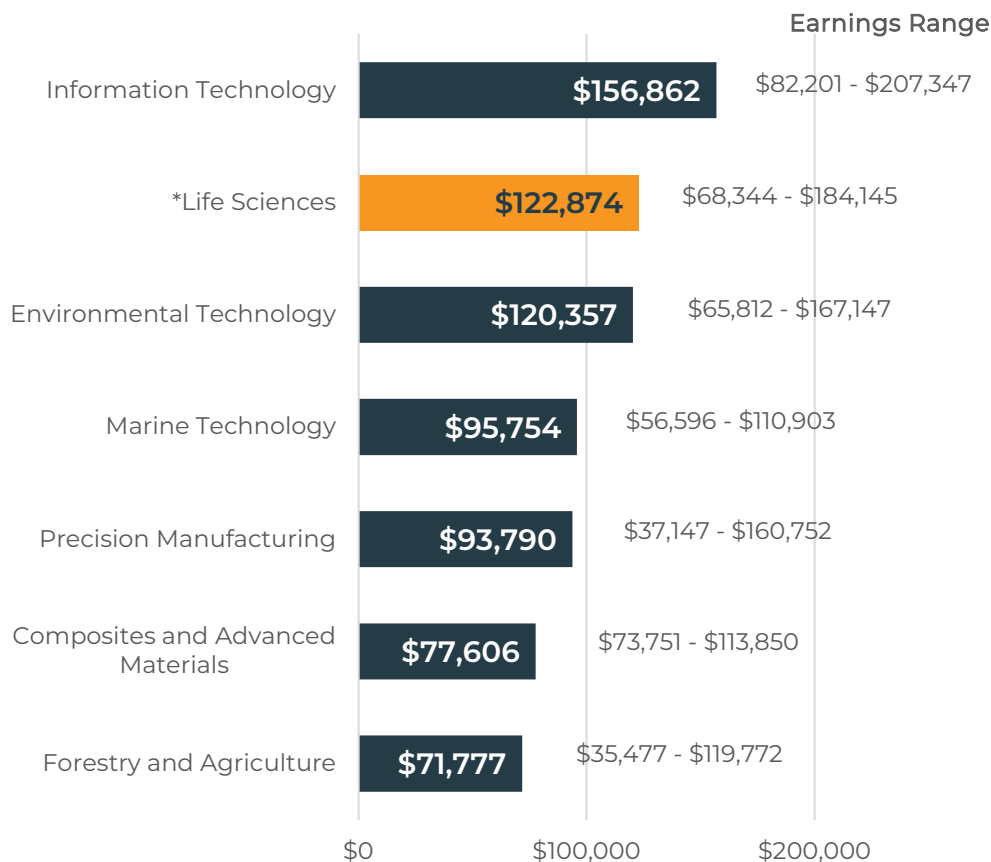
Note: *Maine Technology Institute's (MTI) definition of Biotechnology is narrower than the Life Sciences Sector definition used in this report. To ensure consistency with the data presented throughout the report, this analysis uses BiOME's broader definition, which includes a larger set of NAICS codes.

Average Earnings Per Job

KEY FINDING:

As of 2025, the Life Sciences Sector is the second-highest-paying technology sector in Maine, with average earnings of \$122,874, trailing only Information Technology with average earnings of \$156,862.

Average Earnings Per Job in Maine's Target Technology Sectors, 2025



Source: Lightcast

Note: *Maine Technology Institute's (MTI) definition of Biotechnology is narrower than the Life Sciences Sector definition used in this report. To ensure consistency with the data presented throughout the report, this analysis uses BiOME's broader definition, which includes a larger set of NAICS codes.

MAINE LIFE SCIENCES CENTER



Writing the Playbook

Established in 2025 and housed within Maine Technology Institute (MTI), the Maine Life Sciences Center (MLSC) was created to help identify gaps in infrastructure and build coalitions, funding solutions and advocacy to support existing life science companies and startups in Maine.

“We exist to build the strategic playbook for how to grow life sciences in a durable way over the next decade.” Sarah Delmar-MLSC Founding Director

Sarah Delmar is the Founding Director of the MLSC. She came to the role after more than a decade at the Cambridge Innovation Center building innovation hubs across three continents, where she learned what it takes to help companies

start, grow, and stay rooted in a place. Now she's fully focused on growing the life science ecosystem from within and creating stronger entrepreneurship, commercialization and company generation.

Delmar sees the work as a three-part approach: strategy, deals, and advocacy. Get clear on where Maine can win, back the bets that prove it, and tell our story in a way that puts Maine on the map. “That will be our engine for the next chapter of life sciences growth,” says Delmar.

Delmar is moving quickly to engage industry and ecosystem partners across the state, making sure their perspective drives MLSC's strategy and advocacy work from the start.



What is here?

It's a simple question, but one that hasn't been answered with intentionality until now. MLSC's answer is that life sciences runs through more of Maine's economy than people realize, and it's not just biotech. It shows up in animal health, genomics, diagnostics, and marine and blue biotech, built on the strengths of Maine's established industries and anchor institutions. That breadth is Maine's competitive edge.

“People hear ‘life sciences’ and think of drug discovery,” says Delmar. “Here in Maine, it's just as likely to come out of our forests, oceans, and farms as it is to be a pill. It touches all our heritage industries.”

What does Maine need to succeed?

To grow, Maine needs to do two things: build on the companies already here and get more started. That's why the MLSC is listening to industry and removing barriers that have held it back. For startups, that means lab space: recently, through MTI, the MLSC helped catalyze Maine's first commercial shared lab facility, opening in Portland in 2028. Other bets reach patients directly. Its investment in a clinical research unit at MaineHealth will let Mainers join trials here instead of traveling out of state for care. This work grows the economy and improves lives.

What are Maine's best bets?

Maine's best bet is to be Maine. Not to replicate Boston or San Diego, but to play to the strengths it already has and build where it can genuinely lead. Working with its advisory board, the MLSC will focus on the opportunities that fit that test, rally resources around them, and advocate to make them happen. The work is iterative and collaborative, and it's just getting started.

The Maine Life Sciences Center isn't a building you can walk into, but functions as a central body that the industry can turn to for support in all forms. The goal is to create the infrastructure so life science companies can start here and stay here.

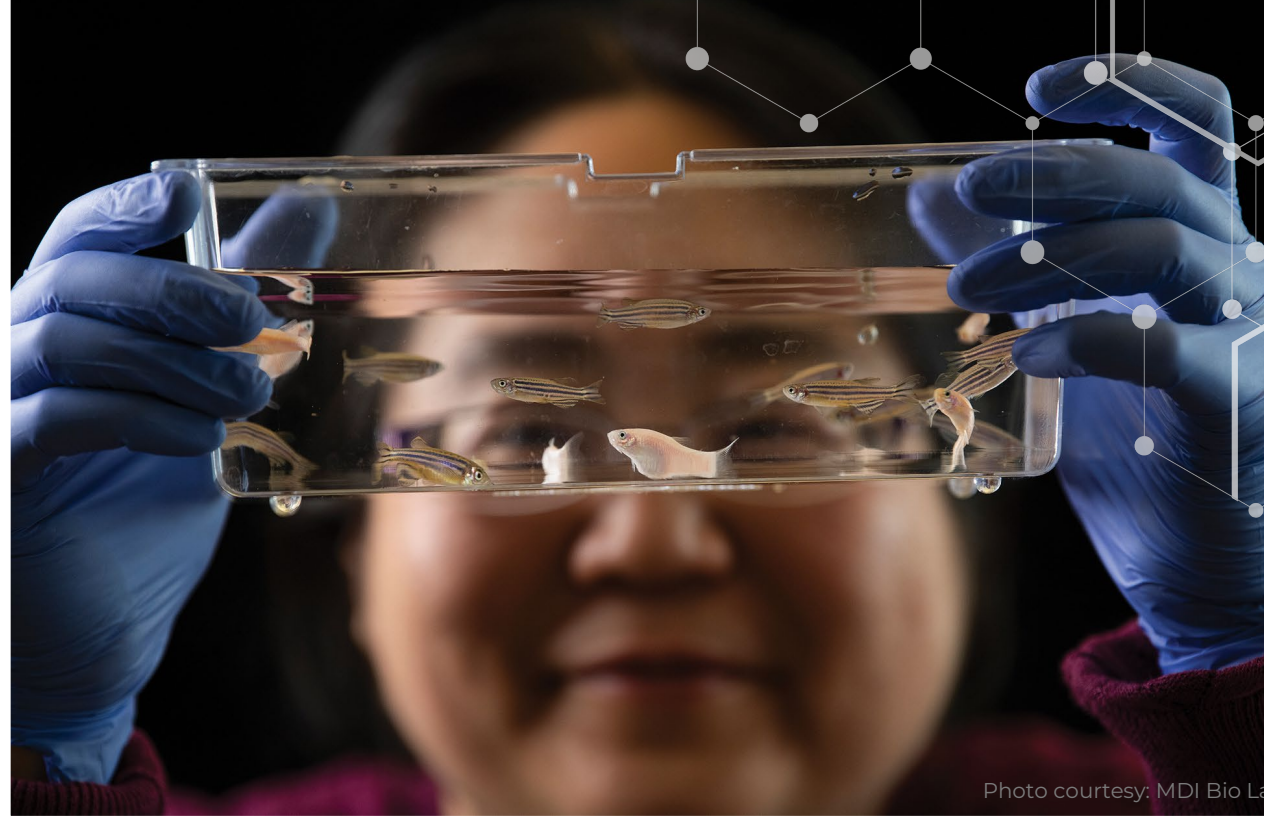


Photo courtesy: MDI Bio Lab

MAINE LIFE SCIENCES CENTER

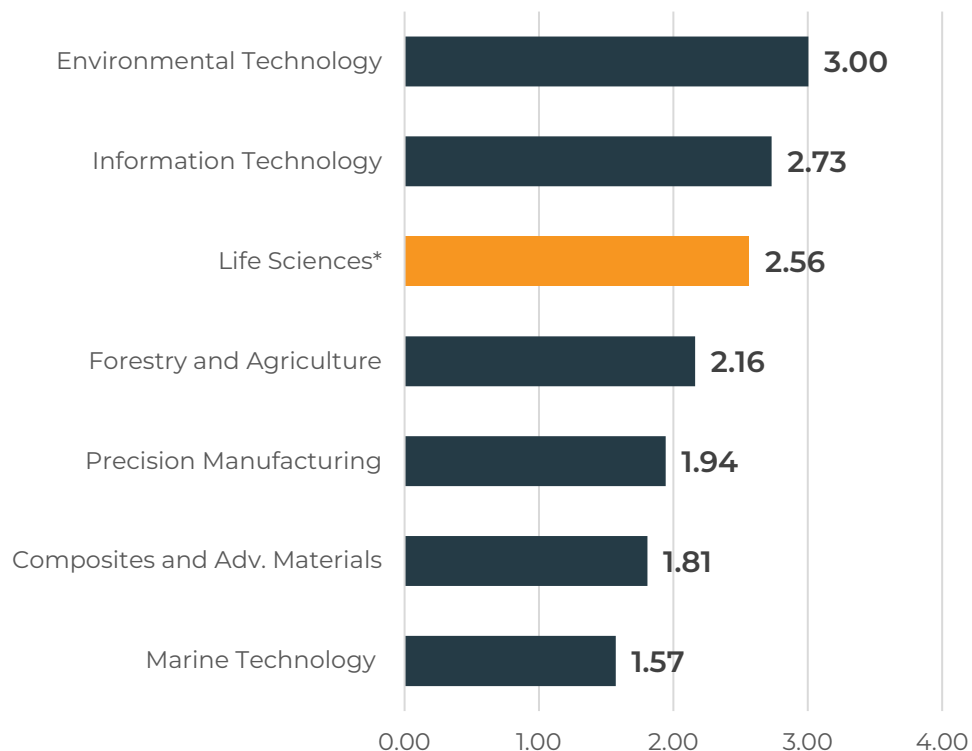
Maine Life Sciences Center Advisory Board

- Margaret Angell — ElevenTwo
- Mike Duguay (Ex-Officio) — DECD
- Karen Houseknecht — University of New England
- Melissa Maginnis — University of Maine
- Mike McKernan — The Jackson Laboratory
- Jay Mohr — NYBC Ventures / New York Blood Center Enterprises
- Tamara StClaire — MaineHealth
- Sarah Delmar — Maine Life Sciences Center

Get in touch: sdelmar@mainetechnology.org

Job Multipliers

2025 Job Multipliers for Maine's Target Technology Sectors



KEY FINDING:

Job multipliers measure how strongly an industry supports additional employment throughout the regional economy. In 2025, Maine's Life Sciences Sector had a job multiplier of 2.56, meaning that for every job in the industry, an additional 1.56 jobs were supported elsewhere in the economy through supplier purchases and employee spending. Among Maine's target technology sectors, Life Sciences has the third-highest job multiplier, trailing only Environmental Technology (3.00) and Information Technology (2.73).

Source: Lightcast, Camoin Associates

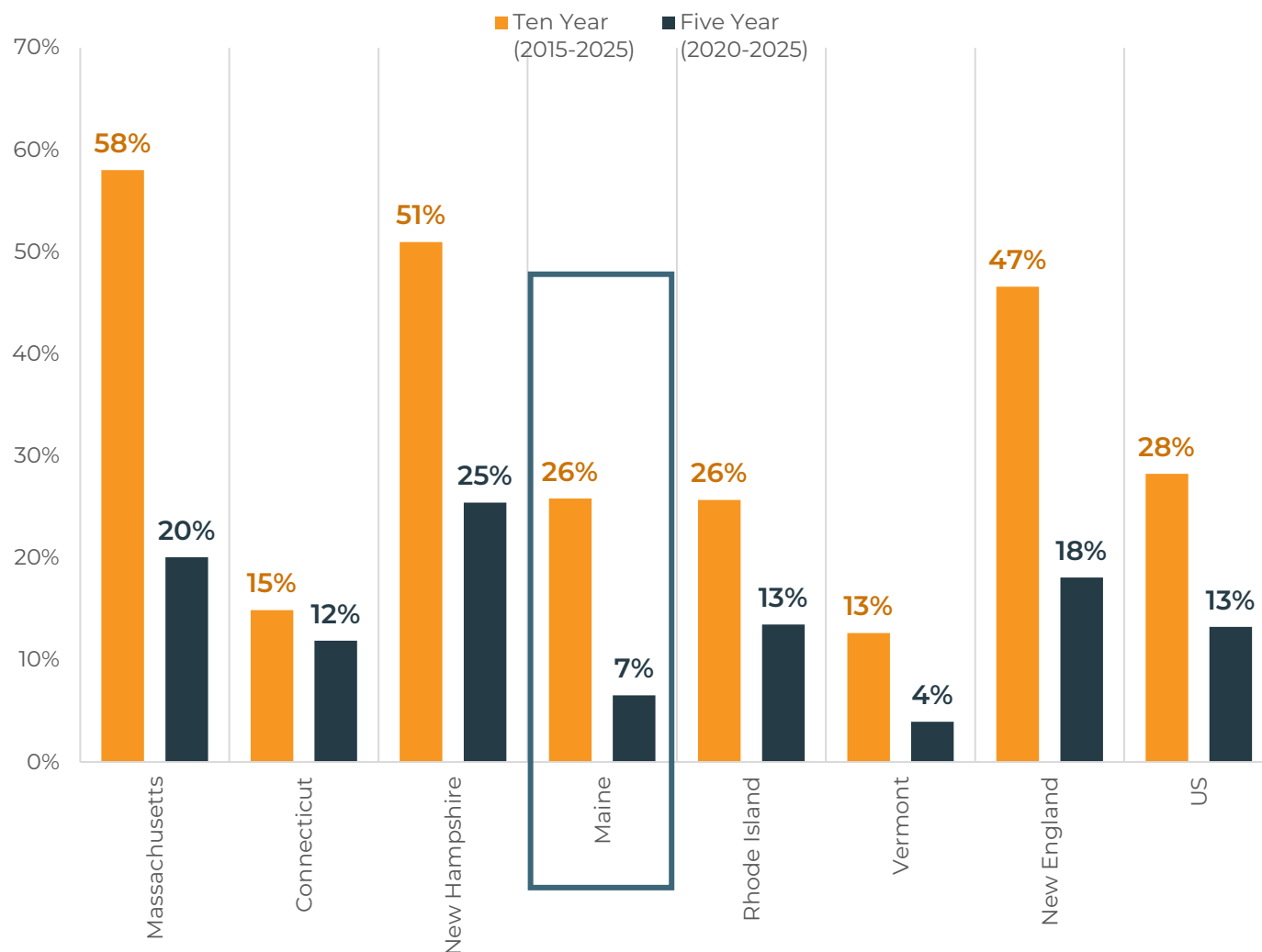
Note: *Maine Technology Institute's (MTI) definition of Biotechnology is narrower than the Life Sciences Sector definition used in this report. To ensure consistency with the data presented throughout the report, this analysis uses BioME's broader definition, which includes a larger set of NAICS codes.

Regional Comparison: Job Growth

KEY FINDING:

Maine's Life Sciences Sector grew 26% over the past decade, matching Rhode Island and outpacing Connecticut and Vermont. Although growth has slowed in recent years, Maine remains an established part of New England's Life Sciences ecosystem with five-year job growth rates outpacing growth in Vermont.

Regional Comparison: Job Growth in Life Sciences



Source: Lightcast

Regional Comparison: Summary Table

KEY FINDING:

Maine's Life Sciences Sector is a well-established part of the state economy, supporting 8,345 jobs across 651 business establishments. Its employment base is comparable in size to Rhode Island's and nearly three times that of Vermont. Average earnings exceed \$122,000 per job, showing the sector's concentration of high-value employment.

Life Sciences Comparison Summary Table, 2025

Geography	Life Science Jobs	Total Jobs	Life Sciences % of Total Jobs	2020-2025 % Change in Life Science Jobs	Avg. Earnings Per Life Science Job	Business Establishments
Massachusetts	161,008	4,068,969	4.0%	20%	\$ 232,072	6,349
Connecticut	30,252	1,910,370	1.6%	12%	\$ 175,201	2,483
New Hampshire	11,325	773,367	1.5%	25%	\$ 147,591	1,094
Maine	8,345	745,990	1.1%	7%	\$ 122,874	651
Rhode Island	8,293	566,419	1.5%	13%	\$ 142,675	1,043
Vermont	2,817	360,605	0.8%	4%	\$ 139,338	465
New England	222,039	8,425,721	2.6%	18%	\$ 211,396	12,083
US	2,650,328	175,272,188	1.5%	13%	\$ 161,177	161,026

Source: Lightcast



2. FUNDING SOURCES



INNOVATION FOR A HEALTHIER PLANET

Growing Maine's Life Science Ecosystem

There are jars of dark blue liquid in Eva Rose Balog's lab at the University of New England's Portland Laboratory for Biotechnology and Health Sciences. Dr. Balog runs a research group in experimental biochemistry and biophysics, and those jars contain a marine glycoprotein derived from lobsters.

Maine-based Marin Skincare uses that glycoprotein in its skincare products because of its ability to help heal dry, irritated skin.

The company has partnered with UNE on a research project to further advance its already robust understanding of the glycoprotein.

"This research aims to build a comprehensive molecular profile of the glycoprotein so we can better understand exactly what makes it so effective in supporting healing, how it responds to different conditions, and how it can be purified in new ways in the lab," says Dr. Balog.

This kind of industry partnership is what UNE has been building toward.

"UNE has Maine's only medical school, pharmacy school and physician assistant program, and we've made strategic decisions to focus research investments in the biomedical space," says Karen Houseknecht, vice president of research and innovation.

That strategy has also led to what some may see as a surprising distinction for UNE: the university ranks No. 1 in NIH funding among higher education institutions in Maine.

Dr. Eva Rose Balog and Sam Spiese in the Balog Lab

Photo courtesy: University of New England



Photo courtesy: University of New England

Maine's Leading University for NIH Research Funding

UNE has two NIH-funded COBREs (Centers of Biomedical Research Excellence), a competitive, multiyear NIH grant program that supports building research infrastructure in rural states. The Center for Pain Research and the Center for Cell Signaling Research look at different pieces of the same puzzle: how the body's cells and nervous system "talk" to each other and how such systems are disrupted in diseases such as diabetes, osteoporosis and chronic pain.

Having two COBREs is rare for an institution of UNE's size. It means NIH is betting on UNE as a long-term research hub in two distinct scientific areas.

"These COBRE grants allow us to build labs and core facilities and hire expert faculty in a research area, and that's how you build a research program from scratch," says Houseknecht.

With the infrastructure in place, UNE can focus on the best ways to use those facilities to maximize their impact:

- Provide valuable research experience to students who are training to become health care professionals or work in the biotech and life science industries.
- Offer fee-based lab services to biotech and biomedical companies.
- Turn lab discoveries into products, licenses, and startups.

"There's important basic research that happens in the lab, and then there are ideas about how to apply that research to make a product or a service or a drug, for example. We are continuously striving to find ways to train our students to think that way—to innovate and collaborate with local companies and local communities to solve real world problems," says Houseknecht.

UNE isn't doing any of this work in isolation. It trains the workforce Maine's life science companies hire, shares core facilities with outside partners, and collaborates with industry. In other words, it is building infrastructure for the whole life science ecosystem.

Marin Skincare is benefiting from that collaboration.

"As scientists ourselves, it's really energizing to partner with the Balog Lab at UNE as we explore the full potential of marine glycoproteins and collaboratively ask ourselves: How can we better utilize this natural resource? In what other verticals might it perform? And at the end of the day - How can we help more people suffering from eczema, psoriasis and other chronic skin conditions?" asks Patrick Breeding, CEO and Co-founder of Marin Skincare.

"It feels really rewarding to work with a local company," says Sam Spiese, a researcher working on the project with Marin Skincare. "Our research will help them make the best products they can, as sustainably as possible."

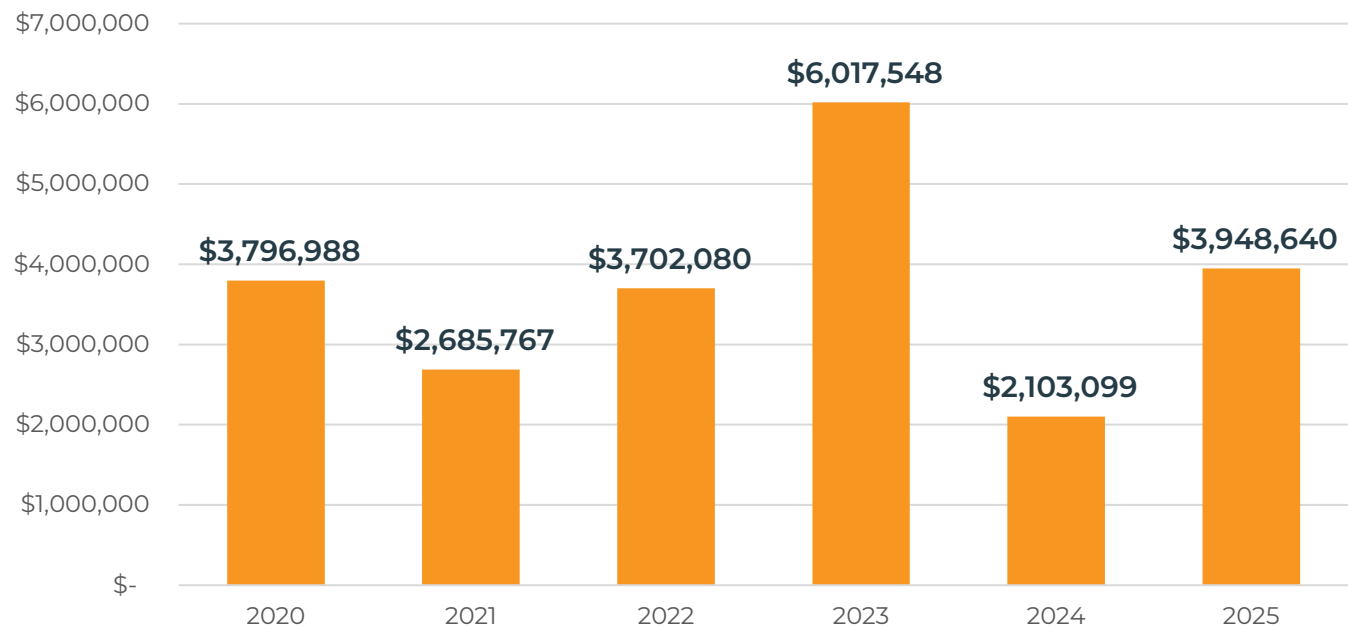
Photo courtesy: University of New England

National Science Foundation (NSF) Awards to Maine Entities by Year

KEY FINDING:

Between 2020 and 2025, Maine’s Life Sciences received approximately \$22.3 million in National Science Foundation (NSF) Awards.

NSF Awards to Maine Entities by Year, FY2020-FY2025



Source: NSF by the Numbers (<https://www.nsf.gov/about/about-nsf-by-the-numbers>)

Note: Includes NSF Awards issued by all divisions in the BIO Directorate, the CHE Division, and CBET Division.

NSF Life Sciences Awards to Maine Entities by Directorate & Division

KEY FINDING:

Between FY 2020 and FY 2025, Maine organizations received more than \$22.3 million through 46 NSF Life Sciences-related awards. Nearly three-quarters of funding was awarded through the Biological Sciences Directorate, led by Integrative Organismal Systems and Environmental Biology, while additional awards in engineering and chemistry demonstrate the breadth of Life Sciences research activity across the state.

NSF Life Sciences Awards to Maine Entities by Directorate and Division, FY2020-FY2025

Managing Entity	Award Amount		Awards	
	Amount	% of Total	Number	% of Total
Biological Sciences (BIO)	\$16,495,247	74%	28	61%
Biological Infrastructure (DBI)	\$2,450,443	11%	7	15%
Environmental Biology (DEB)	\$6,424,818	29%	11	24%
Integrative Organismal Systems (IOS)	\$6,823,750	31%	9	20%
Molecular and Cellular Biosciences (MCB)	\$796,236	4%	1	2%
Engineering (ENG)	\$2,861,190	13%	10	22%
Chemical, Bioengineering, Environmental and Transport Systems (CBET)	\$2,861,190	13%	10	22%
Mathematical and Physical Sciences (MPS)	\$2,897,685	13%	8	17%
Chemistry (CHE)	\$2,897,685	13%	8	17%
Total	\$22,254,122	100%	46	100%

Source: NSF by the Numbers (<https://www.nsf.gov/about/about-nsf-by-the-numbers>)

Note: Includes NSF Awards issued by all divisions in the BIO Directorate, CHE Division, and CBET Division.

Note: The definition of Life Sciences-related NSF funding used in this analysis differs from previous reports. See the Appendix for additional information on methodology.

NSF Life Sciences Awards to Maine Entities

KEY FINDING:

NSF Life Sciences funding in Maine is anchored by the University of Maine, which received more than half of all award funding and awards between FY 2020 and FY 2025. Funding also reached a diverse group of research institutions, including Bigelow Laboratory, Bowdoin College, Jackson Laboratory, and Colby College, reflecting the broader statewide research ecosystem.

NSF Life Sciences Awards to Maine Entities, FY2020-FY2025

Institution	Award Amount		Awards	
	Amount	% of Total	Number	% of Total
University of Maine	\$11,615,780	52%	24	52%
Bigelow Laboratory For Ocean Sciences	\$3,580,579	16%	6	13%
Bowdoin College	\$2,622,116	12%	5	11%
The Jackson Laboratory	\$1,703,399	8%	2	4%
Colby College	\$1,607,908	7%	5	11%
University of Maine Farmington	\$551,599	2%	1	2%
MDI Biological Laboratory	\$409,741	2%	1	2%
Individual Awardee(s)	\$138,000	1%	1	2%
Hurricane Island Foundation	\$25,000	<1%	1	2%
Total	\$22,254,122	100%	46	100%

Source: NSF by the Numbers (<https://www.nsf.gov/about/about-nsf-by-the-numbers>)

Note: Includes NSF Awards issued by all divisions in the BIO Directorate, CHE Division, and CBET Division

Note: The definition of Life Sciences-related NSF funding used in this analysis differs from previous reports. See the appendix for additional information on methodology.

National Institutes of Health Awards

KEY FINDING:

National Institutes of Health (NIH) funding to Maine entities increased steadily from \$104.4 million in FY 2020 to a peak of \$124.8 million in FY 2024. Although funding declined slightly to \$120.3 million in FY 2025, it remained 15% above FY 2020 levels.

NIH Awards to Maine Entities, FY2020-FY2025



Source: Source: NIH (National Institutes of Health) Research Portfolio Online Reporting Tools, <http://report.nih.gov/award/index.cfm>

Top NIH Funding Recipients in Maine

KEY FINDING:

Maine institutions received nearly \$688.2 million through 992 NIH awards between FY 2020 and FY 2025. The Jackson Laboratory was the state's leading recipient, accounting for roughly two-thirds of total funding and awards, while MaineHealth ranked second. The top five institutions captured 95% of NIH funding, highlighting the role of Maine's major research and healthcare organizations in Maine's Life Sciences ecosystem.

Top NIH Funding Recipients in Maine, FY2020-FY2025

Institution	Funding		Awards	
	Amount	% of Total	Number	% of Total
The Jackson Laboratory	\$ 458,870,777	67%	645	65%
MaineHealth	\$ 99,184,615	14%	135	14%
MDI Biological Laboratory	\$ 45,500,874	7%	66	7%
University of New England	\$ 28,184,365	4%	48	5%
University of Maine Orono	\$ 19,355,805	3%	42	4%
Total, Top Five	\$ 651,096,436	95%	936	94%
Total	\$ 688,189,953	100%	992	100%

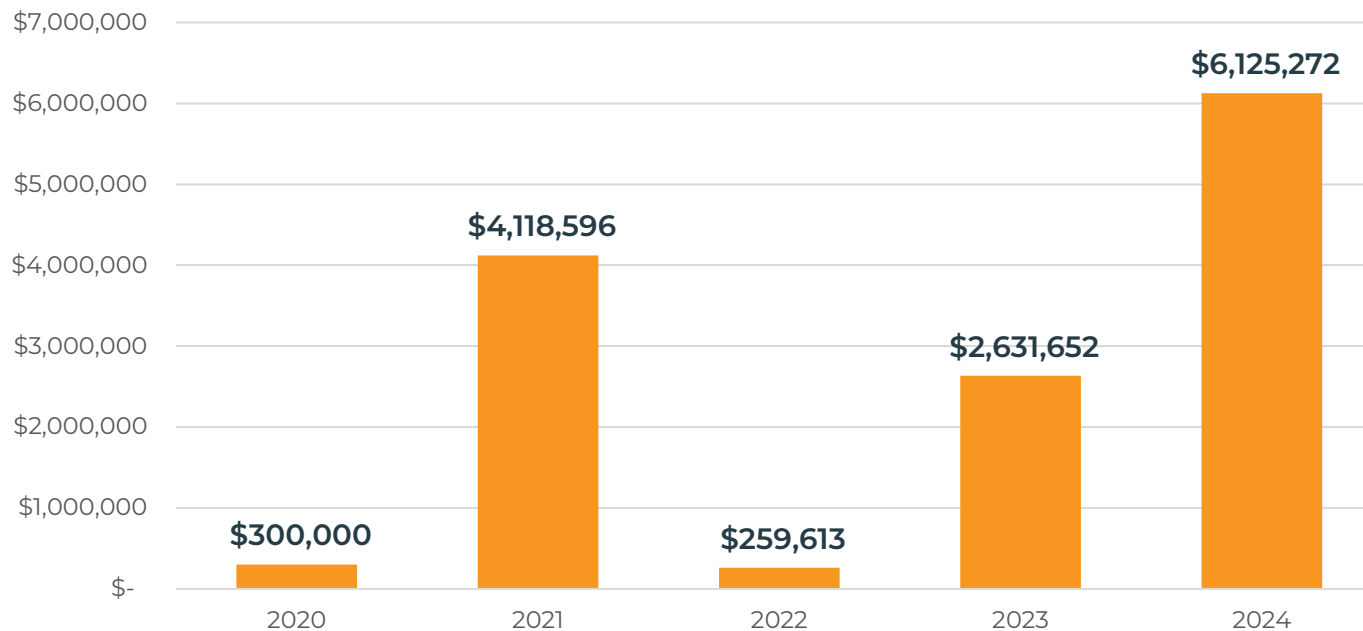
Source: NIH (National Institutes of Health) Research Portfolio Online Reporting Tools, <http://report.nih.gov/award/index.cfm>

SBIR/STTR Funding

KEY FINDING:

Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) funding to Maine Life Sciences companies was highly variable over the five-year period but increased in recent years. Funding reached \$6.1 million in 2024.

SBIR/STTR Funding to Life Sciences Companies in Maine,
FY2020- FY2024



Source: SBIR/STTR Awards Database through www.sbir.gov

Note: SBIR/STTR awards include all amounts administered under the National Institute of Food and Agriculture, Defense Health Agency, Office for Chemical and Biological Defense, and the National Institutes of Health.

Note: NSF SBIR/STTR awards are administered centrally through NSF's Directorate for Technology, Innovation, and Partnerships and span a broad range of scientific and engineering disciplines. Because publicly available award data does not allow for precise identification of Life Sciences-specific recipients, NSF SBIR/STTR awards are excluded from this total.

SBIR/STTR Funding, Maine and Peer States

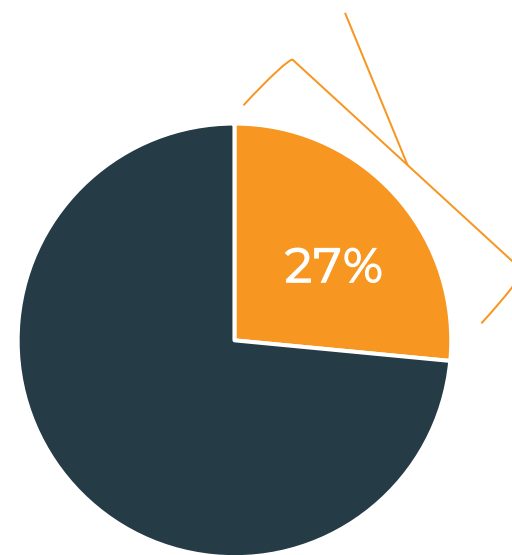
KEY FINDING:

Maine received \$13.4 million in SBIR/STTR funding, equivalent to \$9 per resident. Although this trails national, EPSCoR, and New England averages, Maine ranked 13th among the 25 EPSCoR states, indicating an established base of small-business innovation activity with room for further growth.

SBIR/STTR Funding, Maine and Peer States, FY2020-FY2024

State	Total SBIR/STTR Funding	SBIR/STTR Funding per Capita
Maine	\$13.4 M	\$9
<i>Maine Rank in US</i>	-	36
<i>Maine Rank Among EPSCoR</i>	-	13
US	\$7.8 B	\$23
EPSCoR (All)	\$726.1 M	\$12
New England Peers:		
Connecticut	\$131.2 M	\$36
Massachusetts	\$937.6 M	\$131
New Hampshire	\$96.0 M	\$68
Rhode Island	\$26.5 M	\$24
Vermont	\$31.6 M	\$48
New England	\$1.2 B	\$80

Life sciences SBIR/STTR Awards accounted for 27% of all SBIR/STTR funding awarded to Maine companies from FY2020 -FY2024



Source: SBIR/STTR Awards Database through sbir.gov

Note: SBIR/STTR awards include all amounts administered under the National Institute of Food and Agriculture, Defense Health Agency, Office for Chemical and Biological Defense, and the National Institutes of Health. NSF SBIR/STTR awards are administered centrally through NSF's Directorate for Technology, Innovation, and Partnerships and span a broad range of scientific and engineering disciplines. Because publicly available award data does not allow for precise identification of life sciences-specific recipients, NSF SBIR/STTR awards are excluded from this total.

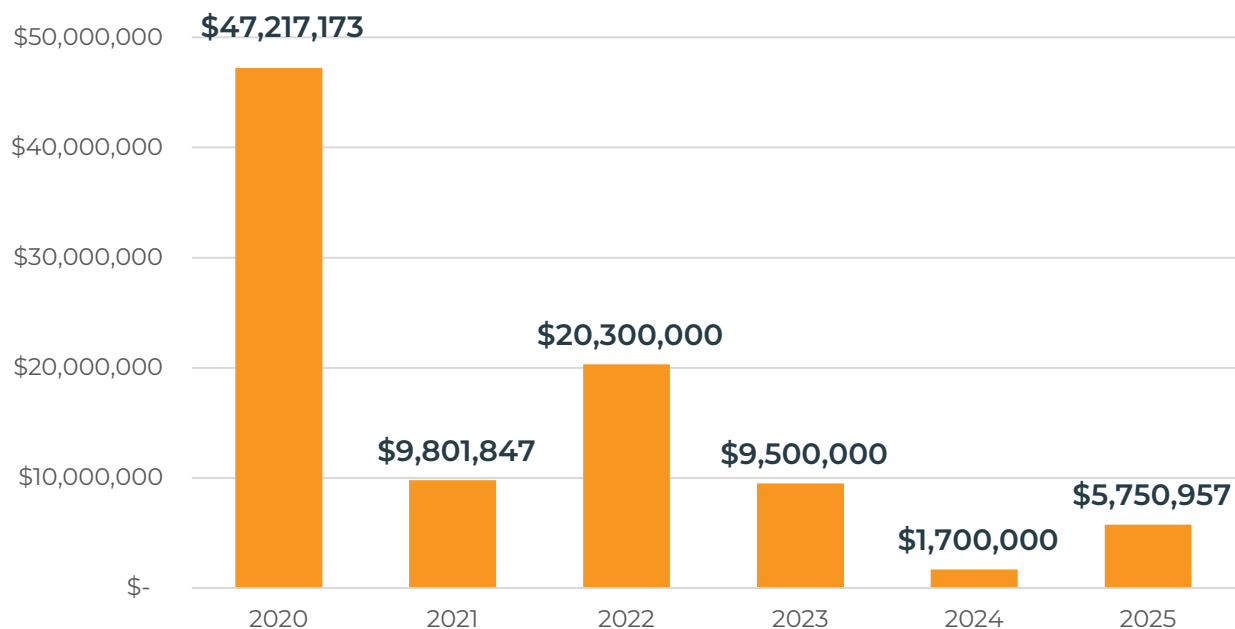
Note: The table compares total SBIR/STTR funding received between FY2020 and FY2024 and funding per capita, which accounts for differences in state population. It also shows Maine's national and EPSCoR rankings and compares the state with US, New England, and EPSCoR benchmarks. EPSCoR, the Established Program to Stimulate Competitive Research, includes states and territories that have historically received a smaller share of federal research funding and are targeted for additional research capacity-building support.

Venture Capital

KEY FINDING:

Maine Life Sciences startups raised \$94.3 million in venture capital between 2020 and 2025, although investment was concentrated in a small number of strong years. Funding peaked at \$47.2 million in 2020 and \$20.3 million in 2022; after falling to \$1.7 million in 2024, investment rebounded to \$5.8 million in 2025.

Venture Capital Raised by Life Sciences
Startups in Maine, 2020-2025
Total = \$94.3 Million



Source: Crunchbase

Top Venture Capital Recipients

KEY FINDING:

Venture capital investment in Maine's Life Sciences Sector is relatively concentrated, with Rarebreed Veterinary Partners alone accounting for 42% of total funding raised between 2020 and 2025. Deal activity is more distributed across firms and was led by RockStep Solutions, which captured 28% of total deals, indicating a mix of large, high-value investments alongside a broader base of smaller transactions across the sector.

Top Venture Capital Recipients in Maine's Life Sciences, 2020-2025

Firm	Deal Year(s)	Amount Raised		Deals	
		Amount	% of Total	Number	% of Total
Rarebreed Veterinary Partners	2020	\$ 40,000,000	42%	1	6%
RxAnte	2022	\$ 15,000,000	16%	1	6%
RockStep Solutions*	2020; 2021 (x2); 2022; 2023	\$ 13,799,347	15%	5	28%
Hawkin Dynamics, Inc.	2021; 2023	\$ 8,977,500	10%	2	11%
Nest Veterinary	2024; 2025	\$ 4,149,998	4%	2	11%
Novo Biosciences	2020	\$ 4,000,000	4%	1	6%
Cerahelix*	2020 (x2)	\$ 3,042,173	3%	2	11%
Biofine Developments Northeast	2021	\$ 2,000,000	2%	1	6%
All Other	2024, 2025 (x2)	\$ 3,300,959	4%	3	17%
Total, All Life Sciences		\$ 94,269,977	100%	18	100%

Source: Crunchbase

Note: *Life Sciences companies that have closed or been acquired since their most recent reported financing deal.

Maine Technology Asset Fund Awards

KEY FINDING:

In 2026, MTAF 3.0 provided nearly \$6.2 million in loans and grants to six Maine Life Sciences entities, generating more than \$82.3 million in total investment. Recipient matching funds exceeded \$76 million which equals about \$12.30 of additional investment for every \$1 awarded.

Maine Technology Asset Fund (MTAF 3.0) Awards to Life Sciences Entities

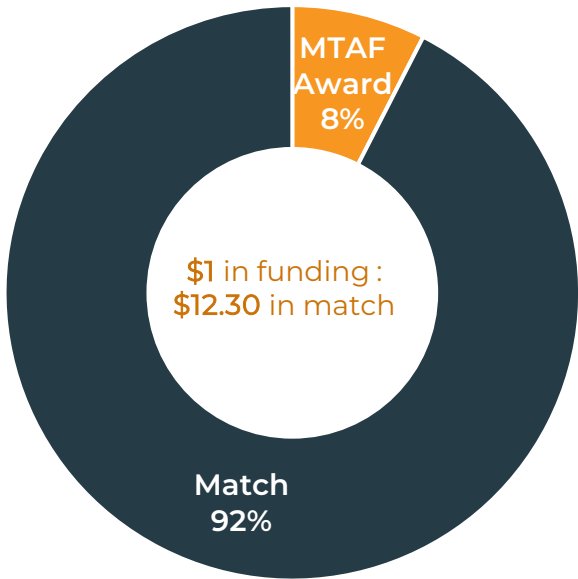
Recipient Name	Award	Match	Total
Mölnlycke Health Care US, LLC	\$2,000,000	\$67,400,000	\$69,400,000
Kennebec River Biosciences	\$800,000	\$3,500,000	\$4,300,000
The Jackson Laboratory	\$2,000,000	\$3,433,085	\$5,433,085
MDI Biological Laboratory	\$960,000	\$960,000	\$1,920,000
Marin Brands Inc.	\$311,800	\$652,100	\$963,900
FHC, Inc.	\$120,000	\$120,000	\$240,000
Total MTAF 3.0 Life Sciences Awards	\$6,191,800	\$76,065,185	\$82,256,985

Source: Maine Technology Institute (MTI)

About MTAF 3.0: The Maine Technology Asset Fund 3.0 Awards provide funding to help Maine entities invest in research, development, and commercialization capacity. Funded through a voter-approved \$25 million R&D bond, the program awarded funding to 23 projects in 2026. Awarded projects span a range of technology and innovation sectors, including advanced manufacturing, agriculture, seafood processing, boat building, lumber production, and Life Sciences. In total the \$25 million investment is expected to leverage nearly \$718 million in private matching.

MTAF 3.0 Funding & Matching Investment for Life Science Projects

Total MTAF 3.0 Related Investment = \$82.3M



Source: Maine Technology Institute (MTI)

Top MTI Biotechnology Recipients

KEY FINDING:

MTI awarded a total of \$26.6 million to biotechnology recipients between 2020 and 2025 through 156 awards. Funding was concentrated among a relatively small number of organizations, with the top 10 recipients receiving \$19.9 million, or 75% of the total, through 21 awards.

Top MTI Biotechnology Recipients by Award Amount, 2020-2025

Institution	Amount	Number of Awards
The Jackson Laboratory*	\$ 12,510,000	2
The Roux Institute	\$ 2,750,000	4
RockStep Solutions, Inc.	\$ 1,125,000	2
North Spore, LLC	\$ 963,333	3
ProsperityME	\$ 500,000	1
Bigelow Laboratory for Ocean Sciences	\$ 453,000	1
Standard Biocarbon Corporation	\$ 434,300	2
Senscio Systems, Inc.	\$ 400,000	2
ImmuCell Corporation	\$ 400,000	1
ALM Ortho, Inc.	\$ 400,000	3
Total, Top 10 Biotechnology	\$ 19,935,633	21
Total, All Biotechnology	\$ 26,607,267	156

* The Jackson Laboratory received a \$12.5 million award in 2020

Source: Maine Technology Institute

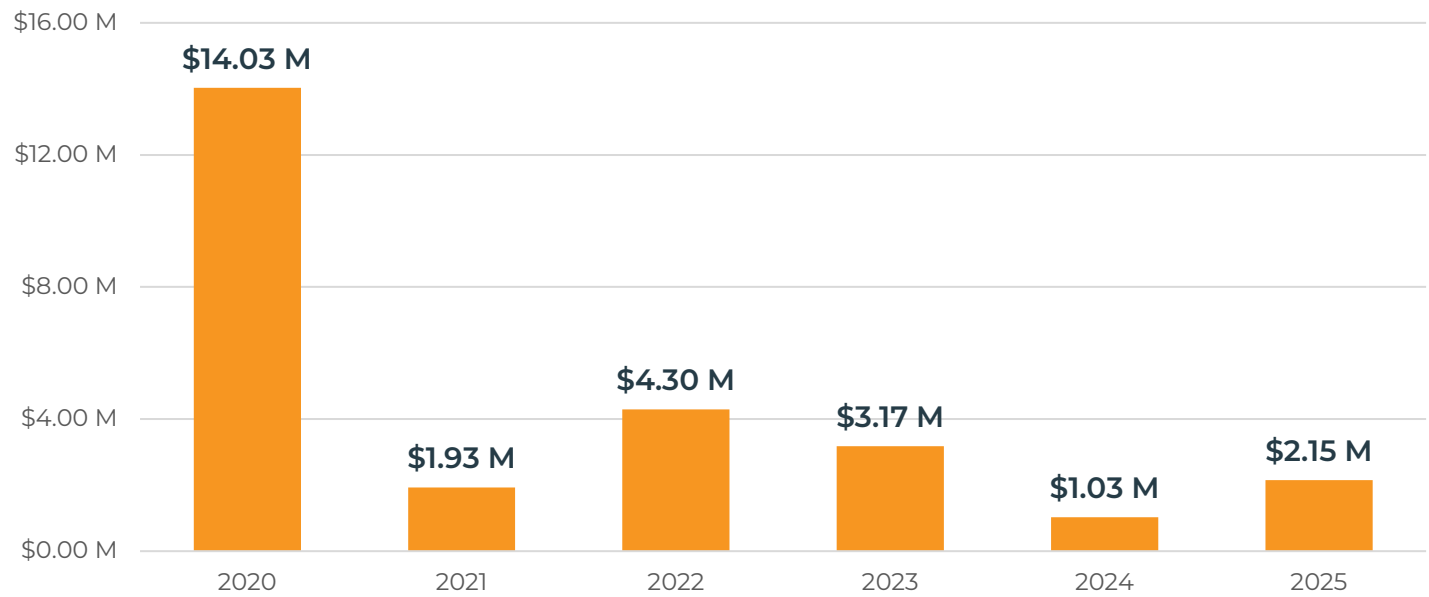
Note: This dataset includes all approved Maine Technology Institute (MTI) awards made to companies that self-identified as part of the Biotechnology sector between January 1, 2020, and December 31, 2025. Award year was determined using information in the ID/Reference Number.

MTI Awards to Maine Biotechnology Recipients

KEY FINDING:

MTI biotechnology funding varied considerably between 2020 and 2025, peaking at \$14.0 million in 2020, largely due to Jackson Laboratory’s \$12.5 million award. Funding was lower in subsequent years, with the second-highest annual total of \$4.3 million awarded in 2022. In 2025, MTI biotechnology awards totaled \$2.15 million.

MTI Awards to Maine Biotechnology Recipients, 2020-2025



Source: Maine Technology Institute

Note: This dataset includes all approved Maine Technology Institute (MTI) awards made to companies that self-identified as part of the Biotechnology sector between January 1, 2020, and December 31, 2025. The award year was determined using information in the ID/Reference Number.

Top MTI Biotechnology Recipients by Award Amount, 2025

KEY FINDING:

MTI biotechnology funding in 2025 was concentrated among the top 10 recipients, which received \$1.9 million, or 87% of all funding awarded that year, through 13 of 26 awards.

Top MTI Biotechnology Recipients by Award Amount, 2025

Institution	Amount	Number of Awards
Bigelow Laboratory for Ocean Sciences	\$453,000	1
ALM Ortho, Inc.	\$300,000	2
Looma LLC	\$250,000	1
Biofine Developments Northeast Inc.	\$150,000	1
MedRhythms, Inc.	\$150,000	1
GenoTyping Center of America, Inc.	\$150,000	1
Empallo, Inc.	\$148,000	1
Maine Laboratories LLC	\$127,137	3
Graze LLC	\$90,000	1
CellField Technologies, Inc.	\$50,000	1
Total, Top 10 Biotechnology	\$1,868,137	13
Total, All Biotechnology	\$2,150,349	26

Source: Maine Technology Institute

Note: This dataset includes all approved Maine Technology Institute (MTI) awards made to companies that self-identified as part of the Biotechnology sector between January 1, 2020, and December 31, 2025. The award year was determined using information in the ID/Reference Number.

Maine's Exports: Top 10 Life Sciences Commodities

KEY FINDING:

In 2025, Maine's foreign Life Sciences exports totaled approximately \$146.2 million. The largest category was instruments that use optical radiation including those used for physical or chemical analysis and that operate using ultraviolet, visible or infrared light; exports in this category totaled \$52.1 million. Sanitary Pads, Tampons, Diapers, Diaper Liners, Etc. ranked second at \$40.9 million. Together, these two commodity categories accounted for nearly 63% of Maine's total foreign Life Sciences exports.

Maine's Exports: Top 10 Life Sciences Commodities

Commodity	Amount
Instruments Etc. Using Optical Radiations	\$52,138,238
Sanitary Pads, Tampons, Diapers, Diaper Liners Etc.	\$40,939,609
Instrument Parts for Phys/Chem Analysis Etc.	\$18,208,522
Antisera And Other Blood Fractions	\$10,924,191
Instruments and Appliances For Medical, Surgical, Dental, Vet	\$5,009,011
Prepared Culture Media For Devel Of Microorganisms	\$2,889,498
Parts For Machinery Plant Or Lab Equipment Etc.	\$2,503,938
Electro-diagnostic Apparatus and Parts Etc.	\$2,394,424
Human Blood; Animal Blood Prep, Toxins, Cultures Etc.	\$2,263,502
X-Ray/Hi Tension General Control Panel and Desk Exam/Treatment Table Parts	\$1,646,574
Top 10	\$138,917,507
Total Life Sciences	\$146,154,432

Source: USA Trade Online

Note: Public trade data does not identify individual exporting companies. However, IDEXX Laboratories is likely a major contributor to Maine's exports of instruments using optical radiation. US Customs rulings classify two IDEXX diagnostic analyzers within this commodity category, and the company manufactures diagnostic instruments in Southern Maine for domestic and international markets. Scarborough-based Yokogawa Fluid Imaging Technologies may also contribute through exports of its FlowCam optical particle-analysis instruments.



Turning Discoveries Into Solutions

Do you know this one? A microbiologist, a trace metal chemist, and a seaweed expert all walk into a bar... Actually, there's no joke here. But that after-work meet-up—and a few scribbled notes on the back of a napkin—sparked an idea that turned a \$30,000 investment into \$30 million in research funding to help reduce harmful methane emissions.

That breakthrough came from scientists at Bigelow Laboratory for Ocean Sciences in East Boothbay. It is now called the Coast-Cow-Consumer Project. Cow burps are a major source of methane emissions, a powerful greenhouse gas. Bigelow Laboratory scientists discovered that seaweed produces bioactive compounds that suppress methane production by the microbes living in cows' digestive systems.

The institute has a portfolio of patents pending and is in conversations with potential licensees to bring a product to market that farmers around the world could use to reduce

harmful methane emissions, increase productivity and monitor the health of their livestock.

"This project is an exciting example of an intentional cultural shift at Bigelow to encourage researchers not only to discover how the world works, but also to ask, 'How can we turn those discoveries into solutions?'" says Vice President for Research Beth Orcutt.

To encourage that shift, the organization created a fund for scientists to determine whether their discoveries have practical applications and, if so, what the potential customer market might be. Bigelow Laboratory researchers have also begun participating in I-Corps, a program funded by the National Science Foundation and run regionally by MIT that gives scientists the tools to translate cutting-edge research into commercial success.



The lab's model requires scientists to hustle to raise funding to pursue the research they want to do, and the institution doesn't restrict their interests. That creates a culture where researchers can be nimble and innovative as they study the foundations of global ocean health and its potential to improve life on our planet.

Bigelow Laboratory also has one of the world's largest collections of algae, with almost 4,000 strains. Because algae produce such a wide variety of compounds and enzymes, they have enormous potential for new antimicrobials, functional foods, bioplastics, and more. The cost of growing microalgae at scale has limited commercial applications, but the institute's researchers have developed novel technical solutions that could potentially reduce the cost by as much as 200%.

"This is another example where our scientists figured out a way to do something. We gave them a little bit of seed funding, and they were able to get it to a point where we're already talking about licensing," says Orcutt.

All of this aligns with Bigelow Laboratory's focus on blue biotechnology, creating new products from marine resources. The institution is leading the development of a Blue Biotech Innovation Ecosystem that brings together entrepreneurs, investors, and researchers to leverage the state's competitive advantages and foster the growth of this emerging sector.

“Maine is well positioned to be a national leader in the blue biotech space... Bigelow really sits at the intersection of life sciences and the blue economy, creating new economic opportunities for Maine by using those resources.”

— **Beth Orcutt**, *Vice President for Research*
Bigelow Laboratory



Maine's Imports: Top 10 Life Sciences Commodities

KEY FINDING:

Maine's total foreign Life Sciences imports totaled \$59.6 million in 2025. The largest category was Measuring or Checking Instruments, Appliances and Machines, Not Optical, a broad group of non-optical measurement and testing equipment, with imports totaling \$18.7 million. Instruments, Etc., Using Optical Radiations, including analytical instruments that use ultraviolet, visible, or infrared light, ranked second at \$14.4 million. Together, these two categories accounted for nearly 55% of total life science-related imports in 2025.

Maine's Imports: Top 10 Life Sciences Commodities

Commodity	Amount
Measuring Checking Instrument & Machines, Not Optical	\$18,661,856
Instruments Etc. Using Optical Radiations	\$14,379,373
Instrument Parts, Phys/Chem Analysis etc.	\$6,756,091
Instruments and Appliances For Medical, Surgical, Dental, Vet	\$2,584,711
Made-up Textile Articles	\$2,320,657
Elec Machines And Appliances, Having Individual Functions	\$1,850,074
Artificial Parts of The Body & Parts & Accessories	\$1,155,176
X-Ray/Hi Tension General Control Panel and Desk Exam/Trtmnt Table Parts	\$1,153,995
Parts For Machinery Plant Or Lab Equipment Etc.	\$1,135,629
Antibiotics	\$1,054,200
Top 10	\$51,051,762
Total Life Sciences	\$59,620,183

Source: USA Trade Online

Patents New England States

KEY FINDING:

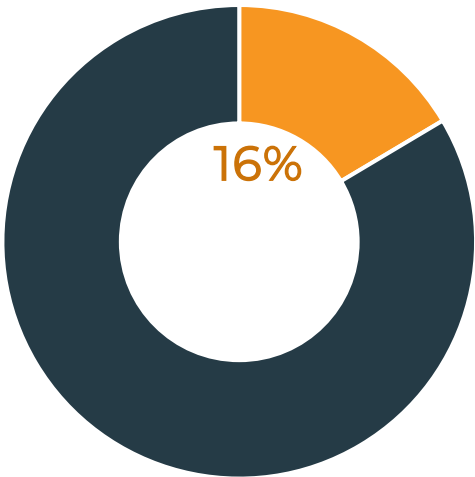
Maine registered fewer Life Sciences patents than the other New England states between 2020 and 2025.

Life Sciences Patents in New England States, 2020-2025

State	2020	2021	2022	2023	2024	2025	Total
MA	2,196	2,221	2,144	2,194	2,359	2,372	13,484
CT	534	507	519	497	457	374	2,888
NH	159	137	145	167	175	171	954
RI	77	90	75	70	85	77	473
VT	27	26	35	34	43	32	197
ME	24	32	30	25	38	36	184

Source: USPTO PatentsView Q4 2025 via Open Data Portal, Camoin Associates

Life Sciences Patents as Share of Total in Maine, 2020-2025



KEY FINDING:

Between 2020 and 2025, patents related to Life Sciences accounted for 16% of Maine’s total patents.

Note: The methodology generally follows the approach used in NSF’s Science & Engineering Indicators Table SWBINV2-36. Figures for 2025 are preliminary and may be revised upward as recently granted patents are fully processed. Maine figures have been adjusted to address a USPTO/PatentsView location-disambiguation anomaly that incorrectly attributed patents associated with unrelated out-of-state inventors and companies to Fryeburg, ME. Additional information on the methodology and adjustment is provided in the appendix..

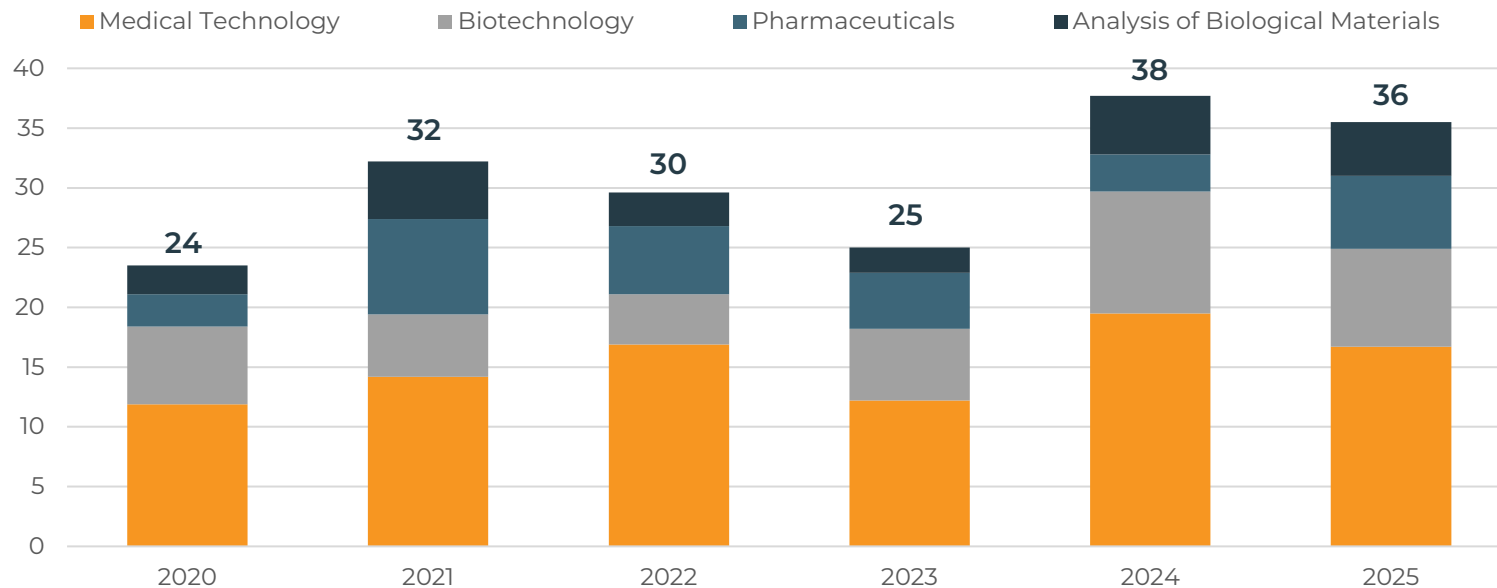
Source: USPTO PatentsView Q4 2025 via Open Data Portal, Camoin Associates

Patents Awarded to Maine Life Sciences Inventors

KEY FINDING:

Maine inventors were awarded 185 life science-related patents between 2020 and 2025, nearly half of which (92), were in Medical Technology.

Patents Awarded to Maine Life Sciences Inventors, 2020-2025



Source: USPTO PatentsView Q4 2025 via Open Data Portal, Camoin Associates

Note: The methodology generally follows the approach used in NSF's Science & Engineering Indicators Table SWBINV2-36. Figures for 2025 are preliminary and may be revised upward as recently granted patents are fully processed. Maine figures have been adjusted to address a USPTO/PatentsView location-disambiguation anomaly that incorrectly attributed patents associated with unrelated out-of-state inventors and companies to Fryeburg, ME. Additional information on the methodology and adjustment is provided in the Appendix.



3. HIGHER EDUCATION



Photo courtesy, Colby College

Plan for the Sciences

Wanying Li grew up in Brooklyn, N.Y., and is the first person in her family to go to college. She is a double major in math and computational biology at Colby College, where she is taking full advantage of the school's partnerships with world-class institutions like The Jackson Laboratory (JAX).

Li began her work at JAX as a summer student after her sophomore year and continued with an academic year fellowship. She will complete her senior thesis at JAX as well, using computer programming and artificial intelligence to better understand how cancer tumors respond to treatment.

"We have these large biological data sets from tumors, and by analyzing them you can identify patterns in cell signals," says Li. "My goal is to eventually help the researchers predict what treatments are most likely to work for different patients, or why certain patients respond to therapies very well, but others don't."

“Colby students are fearless. They are ready and engaged to learn about genomics and bioinformatics and other emerging technologies and we make sure they have those opportunities.”

— Andrea Tilden

Giving students like Li this deep research experience as an undergraduate is core to Colby's mission. Andrea Tilden has spent decades building partnerships with JAX and other Maine institutions including Mount Desert Island Biological Laboratory, Bigelow Laboratory for Ocean Sciences, the Maine Cancer Genomics Initiative and others.

"It's been a very deliberate plan on the part of Colby to foster these partnerships, but they have grown organically because of the ability to network around Maine," says Tilden, director of the Linde Packman Lab for Biosciences Innovation. "Maine's life science community is strongly connected, and it makes it easy for us to chat over a meal or talk at a networking event and brainstorm and come up with really great ideas for collaborating across institutions."

Wanying Li, Mark Maina and Benjamin Johnson (l-r) at the JAX GM SSP Symposium



Colby

Colby is making a half-billion-dollar commitment to science. Anchored by a \$150-million anonymous lead commitment—the largest gift in Colby’s history—the new science initiative will elevate the College’s role in Maine’s science ecosystem. Colby plans to add new science programs including biomedical engineering, environmental engineering, materials engineering, and public health.

The acceleration of scientific discovery and its impact on the world are staggering, said Colby President David A. Greene.

“And there is every reason to believe that the pace of that progress will be turbocharged in the decades ahead. Liberally educated students need to be at the forefront of this progress to ensure that science and technology are human-centered and focused on improving society, not simply for greater wealth or power,” he said.

“The investments we are making at Colby will ensure that our graduates will have outstanding technical and scientific skills with

a humanistic and global orientation that the world requires. Our partnerships in Maine are critical to this effort, and when we join forces, we can create the fertile ground in this state to grow and attract new businesses, improve K-12 education, and ensure we are home to world-class hospitals and specialty care facilities.”

Wanying Li is one of several Colby students working year-round at JAX. An endowment provided by The Lunder Foundation to JAX gives students from various institutions the opportunity to work in genomics, bioinformatics, and computational research on human health issues like Alzheimer’s and cancer.

“I have the honor of analyzing data that comes from cutting-edge technologies and working alongside scientists at the frontier of the field. I have learned so much and get so much guidance,” says Li.

“This experience is giving me the confidence to say, Oh, I can do this, and maybe I can be the first Ph.D. in my family too.”

Total Higher Education R&D Expenditures

KEY FINDING:

Higher education R&D expenditures in Maine's Life and Physical Sciences remained relatively stable from 2019 through 2022 before rising to \$81.0 million in 2024, an increase of 19% from 2023 and 41% from 2019. State and local governments provided \$7.0 million, representing approximately 9% of the 2024 total.

Total Higher Education R&D Expenditures on Life Sciences & Physical Sciences in Maine FY2019-FY2024

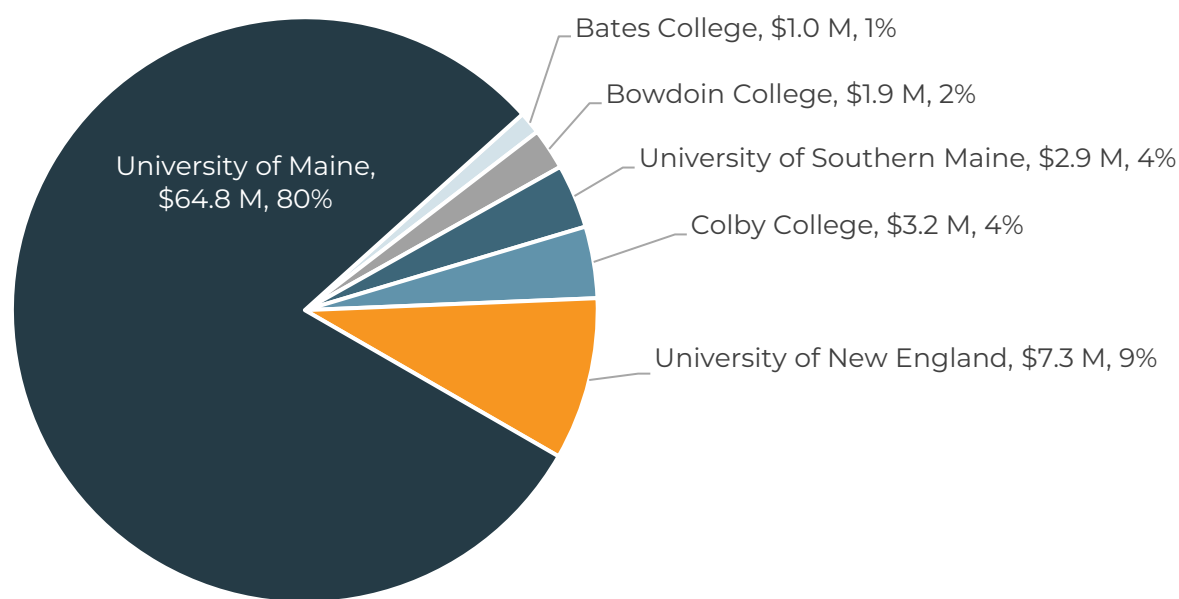


Source: NSF National Center for Science and Engineering Statistics HERD Survey, nsf.gov/statistics/srvyherd/

Note: The Higher Education Research and Development (HERD) Survey is an annual census of US higher education institutions with at least \$150,000 in separately accounted-for R&D expenditures during the fiscal year. Institutions report R&D expenditures across several categories, including source of funds, field of research, type of research, expenses, and personnel. Fields of research include computer and information sciences; geosciences, atmospheric sciences, and ocean sciences; Life Sciences; mathematics and statistics; physical sciences; psychology; social sciences; other sciences; engineering; and non-Science and Engineering fields.

R&D Spending by Maine's Higher Educational Institutions

FY2024 R&D Spending in Life and Physical Sciences by Maine's Higher Educational Institutions



KEY FINDING:

Higher education R&D spending in Maine's life and physical sciences is heavily concentrated at the University of Maine, which accounted for \$64.8 million, or 80% of statewide expenditures, in FY 2024. The University of New England was the next-largest contributor at \$7.3 million, while the remaining institutions collectively represented 11% of total spending.

Source: NSF National Center for Science and Engineering Statistics HERD Survey, nsf.gov/statistics/srvyherd/

Note: The Higher Education Research and Development (HERD) Survey is an annual census of US higher education institutions with at least \$150,000 in separately accounted-for R&D expenditures during the fiscal year. Institutions report R&D expenditures across several categories, including source of funds, field of research, type of research, expenses, and personnel. Fields of research include computer and information sciences; geosciences, atmospheric sciences, and ocean sciences; Life Sciences; mathematics and statistics; physical sciences; psychology; social sciences; other sciences; engineering; and non-Science and Engineering fields.

All Higher Education R&D Spending Per \$1 Million of Gross State Product (GSP)

KEY FINDING:

Maine's higher education R&D spending reached \$2,254 per \$1 million of Gross Regional Product (GRP) in 2024. Maine remains below other New England states on this measure.

All Higher Education R&D Spending Per \$1 Million of Gross Regional Product (GRP)

State	2020	2021	2022	2023	2024
Massachusetts	\$ 7,404	\$ 7,006	\$ 6,945	\$ 7,015	\$ 7,062
Rhode Island	\$ 6,432	\$ 6,401	\$ 6,373	\$ 6,733	\$ 6,631
Vermont	\$ 5,606	\$ 5,316	\$ 5,312	\$ 5,427	\$ 5,439
New Hampshire	\$ 5,439	\$ 5,014	\$ 5,160	\$ 5,161	\$ 5,450
Connecticut	\$ 5,026	\$ 5,025	\$ 4,934	\$ 5,148	\$ 5,605
Maine	\$ 2,120	\$ 2,081	\$ 2,222	\$ 2,254	\$ 2,254

Source: NSF National Center for Science and Engineering Statistics HERD Survey, nsf.gov/statistics/srvyherd/, Bureau of Economic Analysis

Note: Gross Regional Product (GRP) is the total value of goods and services produced within an area during a given period. It is the state-level equivalent of national Gross Domestic Product (GDP). Measuring R&D spending as a share of Gross State Product provides a proportional basis for comparison across states. This approach accounts for differences in the size of each state's economy and allows Maine's R&D intensity to be compared more directly with peer states.

Sources of Total R&D Spending in Maine

KEY FINDING:

Total R&D spending in Maine was approximately \$1.2 billion between 2023 and 2024, with the majority of funding coming from the business sector. Maine businesses accounted for \$670 million, or 56% of total spending while nonprofit research institutions and higher education contributed another \$486 million combined.

Sources of Total R&D Spending in Maine, 2023-2024
Includes R&D expenditures across all fields, not only the Life Sciences



Source: National Center for Science and Engineering Statistics (NCSES), *National Patterns of R&D Resources: 2023-24 Data Update*; <https://ncses.nsf.gov/data-collection/national-patterns>

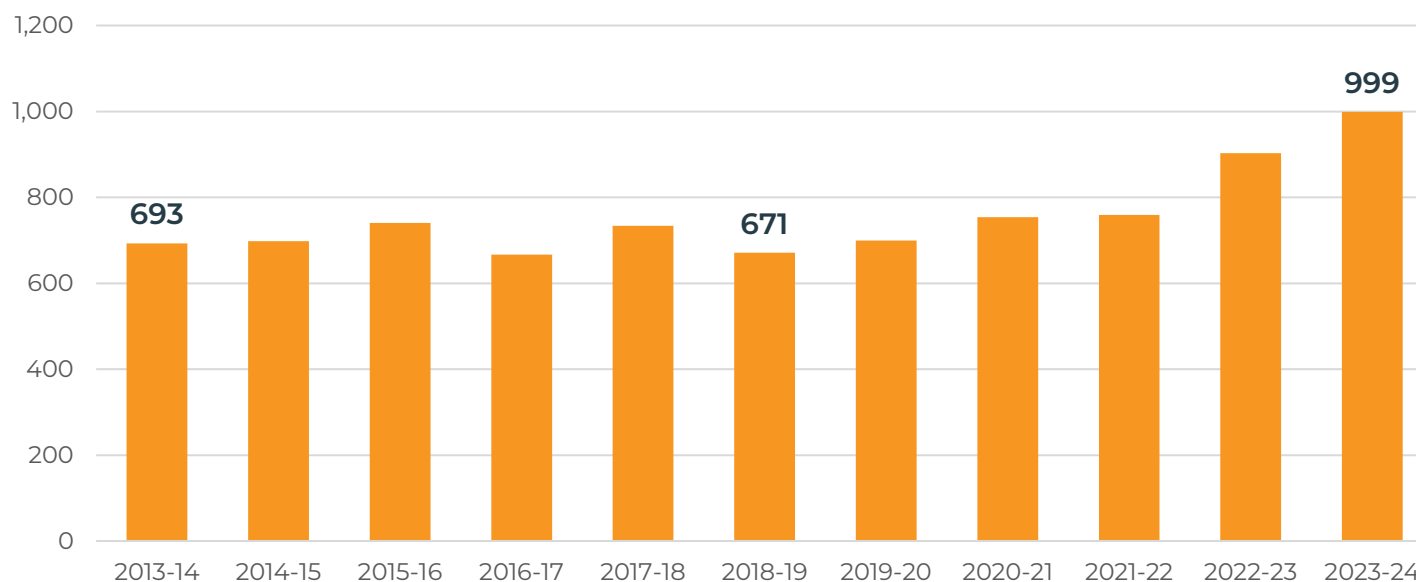
Note: R&D spending data are reported by the National Center for Science and Engineering Statistics (NCSES) through its National Patterns of R&D Resources dataset. NCSES compiles R&D expenditure data from several surveys, including the Higher Education Research and Development Survey, which collects R&D spending information directly from colleges and universities. National Patterns organizes R&D spending by both the sector performing the research and the source of funds supporting the research. The figures shown here reflect the source of funds for R&D activity associated with Maine, including business, higher education, nonprofit research institutions, federal sources, and state internal funding.

Total Life Sciences Degrees Awarded in Maine by Year

KEY FINDING:

Maine awarded 999 Life Sciences degrees in the 2023–24 academic year, the highest level in the ten-year period and 44% more than in 2013–14. Growth accelerated in the most recent two years, indicating an expanding pipeline of graduates with skills relevant to the state's Life Sciences workforce.

Total Life Sciences Degrees Awarded in Maine by Year



Source: National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS)

Note: Includes all degrees awarded in Biological and Biomedical Sciences, Biomedical Engineering, and Chemistry.

Total Degrees Awarded in Life Sciences Fields by Maine Institution

Total Degrees Awarded in Life Sciences Fields by Maine Institution, 2024

Institution	Degrees Awarded
Unity Environmental University	248
University of Maine	193
University of New England	148
Bowdoin College	101
Bates College	97
Colby College	84
University of Southern Maine	32
Southern Maine Community College	19
Husson University	14
Saint Joseph's College of Maine	14
University of Maine at Farmington	14
Maine Maritime Academy	9
University of Maine at Augusta	9
Beal University	8
Central Maine Community College	7
University of Maine at Presque Isle	2
Total	999

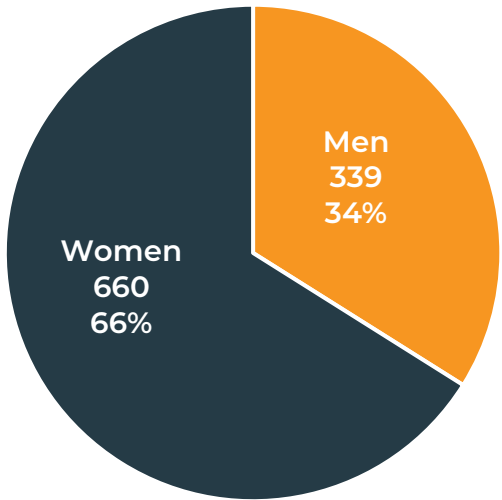
Source: National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS)

Note: Includes all degrees awarded in Biological and Biomedical Sciences, Biomedical Engineering, and Chemistry.

KEY FINDING:

Maine awarded 999 Life Sciences degrees in 2024, with women earning two-thirds of the total. The state's talent pipeline spans 16 institutions, although nearly 60% of degrees were awarded by Unity Environmental University, the University of Maine, and the University of New England.

Life Sciences Degrees Awarded in Maine, 2024



Source: NCES, Integrated Postsecondary Education Data System (IPEDS)



4. DATA APPENDIX

Sector Definition

A NOTE OF DEFINING LIFE SCIENCES:

Life sciences extend beyond the industries measured in this report. While the economic data presented here focus on Maine's core life sciences industries — where biology-based research, development, manufacturing, and related activities are the primary focus— BioME recognizes that life sciences also play an important role across many other sectors of the state's economy. These include areas such as marine science, aquaculture, agriculture, forestry, environmental science, and other industries that rely on biological innovation and expertise.

Because these broader sectors encompass many activities that fall outside of life sciences, their life sciences-related employment and economic impact cannot be accurately isolated using standard industry classification systems such as NAICS. As a result, the data in this report provides a conservative estimate of Maine's life sciences economy while maintaining a consistent methodology with previous editions of the report.

BioME NAICS Definition

NAICS	Description
32541	Pharmaceutical & Medicine Mfg.
325411	Medicinal & Botanical Mfg.
325412	Pharmaceutical Preparation Mfg.
325413	In-Vitro Diagnostic Substance Mfg.
325414	Biological Product (Except Diagnostic) Mfg.
327212	Other Pressed & Blown Glass & Glassware Mfg.
33451	Navigational, Measuring, Electromedical, & Control Instruments Mfg.
334510	Electromedical & Electrotherapeutic Apparatus Mfg.
334516	Analytical Laboratory Instrument Mfg.
334517	Irradiation Apparatus Mfg.
33911	Medical Equipment & Supplies Mfg.
339112	Surgical & Medical Instrument Mfg.
339113	Surgical Appliance & Supplies Mfg.
339114	Dental Equipment & Supplies Mfg.
339115	Ophthalmic Goods Mfg.
339116	Dental Laboratories
42345	Medical, Dental, & Hospital Equipment & Supplies Merchant Wholesalers
42346	Ophthalmic Goods Merchant Wholesalers
54138	Testing Laboratories
54171	Research & Development in the Physical, Engineering, & Life Sciences
541713	Research & Development in Nanotechnology
541714	Research & Development in Biotechnology (except Nanobiotech)
541715	Research & Development in the Physical, Engineering, & Life Sciences (except Nanotech & Biotech)
62151	Medical & Diagnostic Laboratories
621511	Medical Laboratories
621512	Diagnostic Imaging Centers
621991	Blood & Organ Banks

Source: BioME 2022 and 2024 State of Industry Report

Import/Export Commodity Codes Used

Life Science Imports/Exports Used in Report

HS Code	Commodity
292250	Amino-alcohol-phenols, Amino-acid-phenols, Etc.
293629	Vitamins And Their Derivatives, Unmixed, Nesoi
294130	Tetracyclines And Their Derivatives; Salts Thereof
294190	Antibiotics, Nesoi
300120	Extracts Of Glands Or Other Orgs Or Secretions
300190	Heparin And Its Salts; Other Human Or Animal Subst
300210	Antisera, Blood Fractions & Immunological Products
300211	Malaria Diagnostic Test Kits
300212	Antisera And Other Blood Fractions
300213	Immunological Products, Unmixed, Not In Msre Doses
300215	Immunological Products, In Measured Doese/rtl Sale
300219	Blood Fractions, Nesoi, Obtained By Biotech
300290	Human Blood; Animal Blood Prep, Toxins, Cultrs Etc
300420	Antibiotics Nesoi, In Dosage Form
300450	Vitamins, Natural Or Synthetic, Dosage Etc Form
300490	Medicaments Nesoi, Measured Doses, Retail Pk Nesoi
300510	Adhesive Dressings And Other Artcl Having Adh Lay
300590	Wadding, Gauze And Similar Articles Etc Nesoi
300640	Dental Cements And Other Dental Fillings Etc
330610	Dentifrices
382100	Prepared Culture Media For Devel Of Microorganisms
382200	Composite Diagnostic/lab Reagents, Exc Pharmaceut
401519	Gloves, Except Surgical Etc, Vulcan Rubber, Nesoi
630720	Life Jackets And Life Belts, Of Textile Material
630790	Made-up Textile Articles, Nesoi
841920	Medical, Surgical Or Laboratory Sterilizers
841990	Parts For Machinery Plant Or Lab Equipment Etc
851410	Industrial, Laboratory Furnaces, Ovens, Resistance
851490	Parts For Ind, Lab Furnaces,ovens Or Heating Equip

Source: USA Trade Online

Life Science Imports/Exports Used in Report (Continued)

HS Code	Commodity
854370	Elec Mach And App, Having Indiv Functions, Nesoi
871310	Invalid Carriages, Not Mechanically Propelled
871390	Invalid Carriages, Mechanically Propelled
901811	Electrocardiographs, And Parts And Accessories
901819	Electro-diagnostic Apparatus Nesoi, And Parts Etc.
901831	Syringes, With Or Without Needles; Pts & Access
901832	Tubular Metal Needles & Needles For Sutures &parts
901839	Med Needles. Nesoi, Catherers Etc And Parts Etc
901849	Inst & Appln For Dental Science, & Pts & Acc,nesoi
901850	Other Ophthalmic Instruments & Appliances & Parts
901890	Instr & Appl F Medical Surgical Dental Vet, Nesoi
901910	Mech-thrpy Appl;mssg Appr;psych Apt-test;appr; Pts
901920	Ozone,oxygen,etc Therapy, Respiration Apparatus,pt
902000	Breathing Appliances & Gas Masks Nesoi; Parts Etc
902110	Orthopedic Or Fractre Appliances, Parts & Accessor
902129	Dental Fittings And Parts And Accessories
902139	Artificial Joints & Parts & Accessories Therof,nes
902190	Oth Artifical Pts Of The Body & Pts & Accessories
902219	Apparatus Base On X-ray For Oth Use,ex Medical,etc
902221	Alpha, Beta, Gamma Etc Radiat Med,surg,den/vet App
902290	X-ray/hi Tnsn Genr Cntr Pnl & Dsk Exm/trtmnt Tb Pt
902519	Thermometers/pyro Nt Combind W Oth Instrum, Nesoi
902730	Spctmtr Spctrphtmr Etc Using Optical Radiations
902750	Instruments Etc Using Optical Radiations Nesoi
902780	Phy Chem Ins/appr;meas Vscsty & Heat Nesoi
902790	Pts Of Inst, Phys/chem Analysis Etc, Nesoi
903180	Meas Checkng Instrument & Mach, Not Optical, Nesoi
940210	Dentists', Barbers Or Similar Chairs And Parts
961900	Sanitary Pads, Tampons, Diapers, Diaper Liners Etc

Source: USA Trade Online

MTI Sector Definitions

Forestry & Agriculture

Crop, Food, and Beverage Production

111	Crop Production
112	Animal Production
1151	Support Activities for Crop Production
1152	Support Activities for Animal Production
3113	Sugar and Confectionery Product Manufacturing
3114	Fruit and Vegetable Preserving and Specialty Food Mfg.
3115	Dairy Product Manufacturing
3118	Bakeries and Tortilla Manufacturing
3119	Other Food Manufacturing
3121	Beverage Manufacturing
3253	Pesticide, Fertilizer, and other Agricultural Chemical Mfg.

Forestry, Lumber, Paper, and Wood Products

113	Forestry and Logging
321	Wood Product Manufacturing
322	Paper Manufacturing
337	Furniture and Related Product Manufacturing
1153	Support Activities for Forestry

Precision Manufacturing

334	Computer and Electronic Parts Manufacturing
332	Fabricated Metal Product Manufacturing
333	Machinery Manufacturing

Information Technology

5415	Computer Systems Design and Related Services
513210	Software Publishers
516210	Media Streaming Distribution Services, Social Networks, and Other Media Networks
517112	Wireless Telecommunications Carriers (Except Satellite)
519290	Web Search Portals and All Other Information Services
518210	Data Processing, Hosting, and Related Services

Marine Technology & Aquaculture

334511	Search, Detection, Navigation, Guidance, Aeronautical, and Nautical Systems Instrument Manufacturing
334513	Instruments and Related Products Manufacturing for Measuring, Displaying, and Controlling Industrial Process Variables
1125	Aquaculture

Note: Due to data availability constraints, aquaculture data are not included in the analysis of the Marine Technology and Aquaculture sector presented in this report.

Composites & Advanced Materials

3252	Resin, Synthetic Rubber, and Artificial and Synthetic Fibers and Filaments Manufacturing
336612	Boat Building

Environmental Technology

2213	Water, Sewage and Other Systems
5622	Waste Treatment and Disposal
5629	Remediation and Other Waste Management Services
54138	Testing Laboratories
221111	Hydroelectric Power Generation
221114	Solar Electric Power Generation
221115	Wind Electric Power Generation
221116	Geothermal Electric Power Generation
221117	Biomass Electric Power Generation
221122	Electric Power Distribution
221210	Natural Gas Distribution
541620	Environmental Consulting Services

Degree/Certificate Codes Used

Degree/Certificate Fields of Study Used in Report

CIP Code	CIP Title
26	Biological and Biomedical Sciences
14.05	Biomedical/Medical Engineering
40.05	Chemistry

Data Sources

Data in this report is derived from a wide array of both public and proprietary data sources. Sources are specified throughout the report. The following provides descriptions of major data sources that are used throughout the report. This list is not exhaustive.



Lightcast (formerly Emsi Burning Glass) is a global leader in labor market analytics, offering a data platform that gives a comprehensive, nuanced, and up-to-date picture of labor markets at all scales from national to local. Key components of the platform include traditional labor market information, job postings analytics, talent profile data, compensation data, and skills analytics. Lightcast integrates government data with information from online job postings, talent profiles, and resumes to produce timely intelligence on the state of the labor market. Job and compensation data are available by industry, occupation, educational program, and skill type.



Crunchbase offers a best-in-class live database on innovative companies across industries, powered by contributors, partners, and in-house data experts. With a focus on tech companies and startups, the platform aggregates information on investment and funding, founding members and leadership, mergers and acquisitions, news, and industry trends. Designed as both a market research and prospecting solution, Crunchbase offers the ability to narrow down companies matching criteria such as headquarter location, investment stage, or industry, while automatically offering recommendations based on these criteria.



TradeStats Express (TSE) National and State Dashboards present data on U.S. exports and imports by trade partner and product for 2009 forward. Data are presented using two classification systems: the Harmonized System (HS) and the North American Industry Classification System (NAICS). National trade statistics in TSE cover the physical movement of merchandise between the United States and foreign regions. State trade statistics cover the physical movement of merchandise between a given state and foreign regions.

Data Sources



NSF Science and Engineering Indicators provides high-quality quantitative information on the U.S. and international science and engineering (S&E) enterprise. *Indicators* consists of detailed thematic or focus area reports, a state data tool, and a congressionally mandated report delivered biennially to the president and Congress that highlights important trends from across the focus areas. *Indicators* reports employ a variety of presentation styles—such as narrative text, data tables, and figures—to provide accessible data to consumers with different information needs.



NIH Research Portfolio Online Reporting Tools (RePORT) In addition to carrying out its scientific mission, the NIH exemplifies and promotes the highest level of public accountability. To that end, the Research Portfolio Online Reporting Tools provides access to reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH supported research.

IPEDS

Integrated Postsecondary Education Data System (IPEDS) is a system of interrelated surveys conducted annually by the U.S. Department of Education's National Center for Education Statistics (NCES). IPEDS gathers information from every college, university, and technical and vocational institution that participates in the federal student financial aid programs. IPEDS provides basic data needed to describe — and analyze trends in — postsecondary education in the United States, in terms of the numbers of students enrolled, staff employed, dollars expended, and degrees earned.



Small Business Innovation Research and Small Business Technology Transfer Programs database provides detailed records of all awards made to businesses. The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs are highly competitive programs that encourage domestic small businesses to engage in Federal Research/Research and Development (R/R&D) with the potential for commercialization. Through a competitive awards-based program, SBIR and STTR enable small businesses to explore their technological potential and provide the incentive to profit from its commercialization. The SBIR/STTR database includes a comprehensive list of all awards by company, facilitating agency, geography, year, and more.



As the nation's only full-service economic development and lead generation consulting firm, Camoin Associates empowers communities through human connection backed by robust analytics. Since 1999, Camoin Associates has helped local and state governments, economic development organizations, nonprofit organizations, and private businesses across the country generate economic results marked by resiliency and prosperity.

To learn more about our experience and projects in all of our service lines, please visit our website at www.camoinassociates.com.



We have collaboration down to a science

The Maine Technology Institute is a proud sponsor of BioME. By supporting life science innovation in Maine, we support industry growth and enhance the economic prosperity of Maine.

Join us in supporting innovation
and economic growth.



mainetechnology.org



Life Sciences & Health Innovation Hub
Northeastern University's Roux Institute

The Roux Institute
Northeastern University

Experts, infrastructure, and
capabilities driving life sciences and
health innovation



It started with a messy whiteboard.



That gave patients a clean slate.

HUNGER
↓
Body WEIGHT
↑
↓
EAT

STUDY #1

GROUP	DOSE	WEEK 12	WEEK 24	WEEK 36
GROUP A	30 mg/kg	30 mg/kg	30 mg/kg	30 mg/kg
GROUP B	45 mg/kg	45 mg/kg	45 mg/kg	45 mg/kg
GROUP C	60 mg/kg	60 mg/kg	60 mg/kg	60 mg/kg
GROUP D	Control	Control	Control	Control

MOLE FARM

Bio The Fight of Our Lives

Visit FightofOurLives.com
to learn more.



THE JACKSON LABORATORY

Employing nearly
1,400 people in Maine

Supporting more than **3,600 jobs** in the Maine economy

Discovering precise genomic
solutions for disease



**Building Maine's Most
Complex Science Facilities**



LEARN MORE



Consigli Construction Co., Inc. | Construction Managers & General Contractors | consigli.com

CONGRATULATIONS
on Joining the BioME Board



Dave Thomas
Regional Director



Supporting scientific discovery

We're proud to support BioME and its mission to advance research, innovation and breakthroughs that benefit the entire state.

Learn about our community outreach initiatives at mtb.com/about-mt.

M&T Bank

 Equal Housing Lender. ©2026 M&T Bank. Member FDIC. AMP-11202 260807 VF mtb.com



LANDRY/FRENCH
CONSTRUCTION

SUPPORTING Maine's
Life Sciences Community



MADE FOR MAINE.

UNRIVALED R&D AND INNOVATION.
TALENT FOR TOMORROW.

We're moving Maine forward.
What will we do for YOU?

umaine.edu



 **THE UNIVERSITY OF
MAINE**

The University of Maine is an equal
opportunity/affirmative action institution.



Since 1996, TPNE has helped bioscience innovators bring ideas to life.

From our early partnership in developing the BinaxNOW™ rapid Strep A test to today's collaborations with leaders in biomedical research, medical devices, marine science, and indoor farming, we've helped turn innovation into production.



From concept and prototyping to high-volume production, TPNE manufactures millions of precision-molded parts each year for bioscience companies across the U.S. and Europe.

What can we build for you?

WWW.TPNE.COM

SMRT
Architects & Engineers



**Colby College:
small-town roots,
statewide impact**

ECONOMIC IMPACT

Colby supported more than \$2.5 billion of economic activity across Maine from 2019 to 2024.

NEW PLAN FOR THE SCIENCES

Fueled by a half-billion-dollar commitment, Colby's new science initiative will add engineering and applied science programs — including biomedical, environmental, and materials engineering, and public health — cementing its role in Maine's research ecosystem.

Colby

YOUR BUSINESS. OUR SUPPORT.



Maine offers competitive incentives and a business-friendly environment to help you grow and succeed.

- 10% capital investment credit**—including equipment, machinery, and building construction (5% in York, Cumberland and Sagadahoc counties)
- \$2,000 per worker** provided an eligible training program, included approved private trainings
- Eligible sectors include** agriculture, forestry and fishing, manufacturing, long-distance freight transportation, software publishing, data processing and computer design services, engineering, architecture and scientific research and development services

GET IN TOUCH

maine.gov/decd/business-development
DECDTaxIncentives@maine.gov
1-800-872-3838 option 3
Or scan the QR code



MAINE.
ECONOMIC & COMMUNITY
DEVELOPMENT



Biotherapeutic development
Water quality monitoring
Oceanographic research
Materials performance



Particle Analysis with Vision® | www.fluidimaging.com

Enroll and save today!



MAXIMIZE VALUE. Minimize spend.

Join BIO's cost-savings program and let **VWR®, part of Avantor®**, help you spend smarter and stretch your research dollars farther.

**GET A COMPETITIVE EDGE
WITH KEY DISCOUNTS
AND BENEFITS**



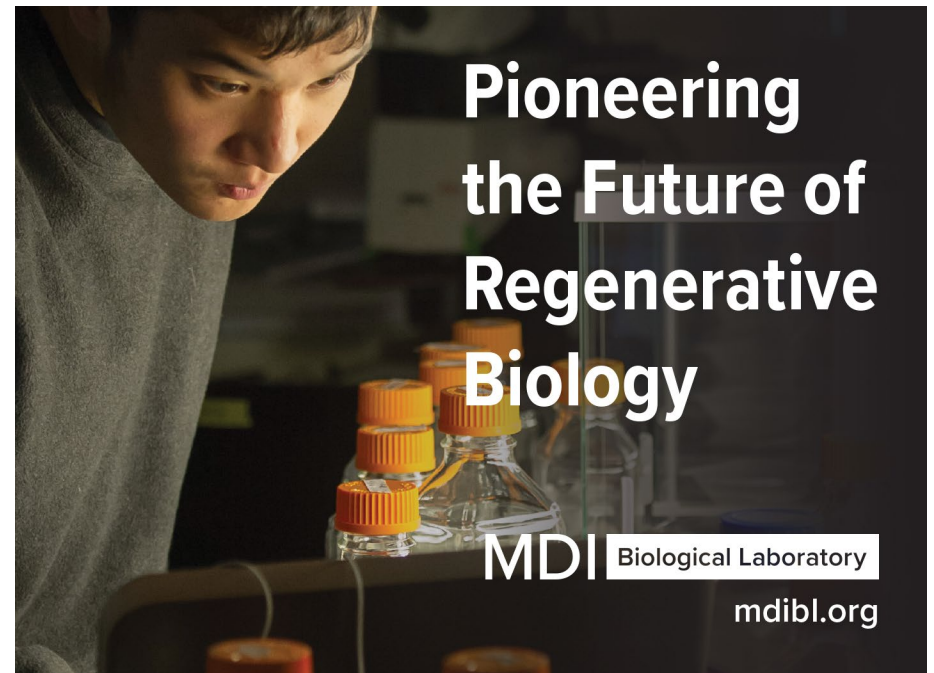
VISIT VWR.COM FOR
MORE INFORMATION.



Pioneering the Future of Regenerative Biology

MDI Biological Laboratory

mdibl.org



Sapphire™ FL Biomolecular Imager



Multi-modal scanner for near-infrared, phosphor imaging, and chemiluminescent imaging for western blots, gels, plates, arrays, tissue sections, small animals and more.



One Scanner. 35+ Applications.

See what applications researchers have published with Sapphire FL



Scan to
download
the free
e-book

Or visit: azurebiosystems.com/sapphire-applications

Designed + manufactured
with **PEOPLE** in mind.



Puritan Medical Products, a globally trusted, family-owned company, has been manufacturing single-use swabs and medical devices for over 100 years, from right here in Maine.

puritanmedproducts.com



Puritan
We help you know.™

Research. Innovation. Impact. **Now.**

#1 NIH-Funded University in Maine

2x the National Average in
Undergraduate Research Participation

#1 Provider of Healthcare
Professionals in Maine



LEARN MORE
www.une.edu/research



**UNIVERSITY OF
NEW ENGLAND**

INNOVATION FOR A HEALTHIER PLANET

Biddeford | Portland | Morocco

Innovation for a Better World



Learn More

Hamilton Storage is a global leader in automated sample management. Our humidity- and temperature-controlled storage and retrieval systems, ranging from ambient to -80°C, boost scientific throughput and accuracy.



Ensure Sample Integrity

Optimize Inventory Management

Maximize Space Efficiency

www.hamiltoncompany.com

HAMILTON



IDEXX, Westbrook, ME

Innovate for the future. Lock in energy costs today.

Discover how Maine's bioscience companies can secure their energy future with solar plus storage.

Read insights from ReVision's CEO:
enjoy.solar/Maine-energy-future



Quality & GxP Compliance for every stage of growth.

- Audits Worldwide
- Quality Management Systems
- FDA Inspection Readiness

Phase-appropriate Quality and GxP expertise for emerging pharmaceutical and biotech companies, from early development through clinical and commercial readiness.



CadoretGlobal.com

BioME Membership Benefits

Join a network of innovative life sciences companies in Maine

- Cost Savings Programs
- Education & Community
- Networking
- Public Policy & Advocacy
- Marketing & Communications
- Business Development
- Job Board
- Board Room Access



biomaine.org/member-benefits/

Casey Doucette, Ph.D., President

Associate Director, Regulatory Affairs
Regeneron Pharmaceuticals, Inc.

Dennis Leiner, Ph.D., Vice President

President
Leiner Optics

Paul Fitzpatrick, Treasurer

President
PJ Fitzpatrick Executive Advisory
Group

Bethany Fortier, Secretary

Scientist, Discovery & Technology
Futures
IDEXX Laboratories, Inc.

Zeynep Turk, Director

Founder & Managing Director
Olive & Pine Consulting

Tony Perkins, Director

Shareholder
Bernstein Shur

Anne Breggia, Ph.D., Director

Director, Center for Applied Science
& Technology (Retired)
MaineHealth Institute for Research

Fran Harrison, Director

Strategic Communications &
Government Affairs Consultant

Janet Yancey-Wrona, Ph.D., Director

Technology Business Development
Manager (SPIRE)
University of Maine

David Eagleson, Director

Chief Executive Officer
The Baker Company

Elaine Herzig, Director

Supplier Quality Engineer
Abbott

Kristin Gordon, Director

Quality Assurance and Regulatory
Compliance Consultant

Jerilyn Bowers, Director

Vice President of External Affairs and
Chief of Staff
MDI Biological Laboratory

Jim Strickland, Director

Co-Founder and Chief Technology
Officer
ElevenTwo, Inc.

BOARD-ELECT

Veronica Achorn, Board-Elect

Co-founder, President & COO
Salmonics LLC

David Thomas, Board-Elect

Regional Director, Maine
Consigli Construction Co., Inc.

Daniel Moore, Ph.D., Board-Elect

Chair of Biological Sciences and
Professor
Southern Maine Community College

STAFF

Agnieszka Carpenter

Executive Director
BioME

Brianna Stark

Marketing & Communications
Manager
BioME

Billie Cary

Education Programs Manager
BioME



BIOME

Bioscience Association of Maine

WWW.BIOMAINE.ORG | 207.808.8889
28 MAPLE STREET, SUITE 302
PORTLAND, MAINE 04101