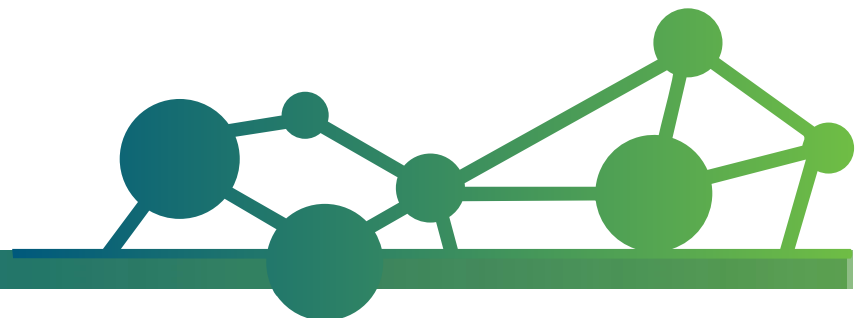


Annual Report 2024







5 Letter From the CSIT
Chair, Debbie Hart

6 Letter From the Executive
Director, Judith Sheft

9 CSIT Highlights
2020-2024

13 CSIT Awards

18 Supporting New Jersey
Startups

19 CSIT Research &
Development Voucher
Awards

27 Development Stage

35 Research with New Jersey
(RwNJ)

40 State Fiscal Year 2019-2024

43 Board Members



LETTER FROM THE CSIT CHAIR

As Chair of the New Jersey Commission on Science, Innovation, and Technology (CSIT), I am pleased to present our 2024 Annual Report which highlights a year of progress, investment, and groundbreaking advancements in science, technology, and innovation across the State. These efforts further Governor Murphy's vision of creating opportunities for entrepreneurs, researchers and technology businesses of all sizes – establishing New Jersey as a national leader with the most diverse and inclusive innovation ecosystem in the nation.

New Jersey has long been a leader in research and innovation. In 2024, CSIT worked diligently to foster an environment where cutting-edge discoveries could translate into tangible economic and societal benefits. Through strategic partnerships, grant programs, and eco-system building, we continue to support very early-stage innovation-intensive startups, academic institutions, and industry leaders in key sectors, such as life sciences, clean energy, artificial intelligence, and advanced manufacturing. CSIT has established a strong set of programs that serve as the foundation for supporting New Jersey's innovation economy for years to come.

Among the significant achievements of 2024, CSIT:

- **Expanded funding opportunities** for early-stage companies, making 196 grant awards totaling \$13.7M in 2024 for a combined 445 awards of \$27.7M since 2020.
- **Provided a robust suite of grant programs**, including CSIT R&D Vouchers, Seed and Pilot Demonstration R&D Grants, and Direct Financial Assistance for federal SBIR/STTR awardees.
- **Strengthened university-industry collaboration**, expanding academic participation on the ResearchWithNJ portal to 8 institutions with Hackensack Meridian and Kean University joining Montclair State, NJIT, Princeton, Rowan, Rutgers, and Stevens Institute of Technology.

- **Enhanced regional collaboration**, catalyzing and facilitating joint industry, academic and government submissions to federal government cluster development, R&D and manufacturing opportunities; and convened New Jersey academic tech transfer offices to improve translational research outcomes.
- **Demonstrated economic impact**, with companies receiving CSIT awards able to leverage their initial awards an average of 15X in terms of follow on equity, grant, and debt financing – creating almost 900 full time equivalent direct, indirect and induced jobs.

These accomplishments are the result of a shared commitment among New Jersey State leaders, researchers, entrepreneurs, and public-private partners who recognize that innovation is the key to economic resilience and global competitiveness.

Looking ahead, CSIT's work is more important than ever given the uncertainty and shifting priorities at the federal level in terms of supporting R&D activities. CSIT remains focused on driving policies and programs that will position New Jersey at the forefront of emerging industries and technological transformation.

On behalf of the CSIT Board, I extend my sincere gratitude to Governor Murphy, the New Jersey Legislature, the dedicated CSIT staff, and all stakeholders who contribute to our mission. Together, we will continue to build a thriving innovation ecosystem that benefits all New Jerseyans.

Sincerely,



Debbie Hart
CSIT, CHAIR

LETTER FROM THE EXECUTIVE DIRECTOR

CSIT is committed to advancing the state's innovation ecosystem to create a stronger, fairer economy for all New Jerseyans by keeping our state at the forefront of scientific and technological advances.

Since it was re-established in 2018, CSIT has awarded 445 grants to early-stage NJ innovation intensive NJ companies totaling \$27.7M. The economic impact of these awards has been significant with companies creating almost 900 full-time equivalent direct, indirect and induced new jobs and leveraging CSIT funding 15X in follow-on third-party funding of grants, equity and loans. For the 10 cohorts of companies for which full impact reporting is available, the estimated NJ taxes paid of \$13.2M covers the \$13.1M of grant awards to these companies.

CSIT awardees are among the best of NJ's startup community. In 2025 NJBIZ published its list of 40 NJ's leading startups – “making a mark on the state in a good way - pursuing new and better ways of doing things we all do every day - discovering things to do that most of us never thought of and perfecting methods that work better for the environment, make people healthier, or improve efficiency and productivity for businesses.” Half of these amazing startups had received funding from CSIT. And, at a recent NJEDA All Stars Founders and Funders event, two of three finalists had also received early support from CSIT.

CSIT offers a suite of 11 grant programs to assist early-stage innovation intensive entrepreneurs with Research and Development (R&D) from ideation through commercialization. Seed grants and SBIR/STTR direct financial assistance support technology development; pilot demonstration awards enable

companies to test products in real world settings; and R&D vouchers offset the cost of accessing unique specialized equipment at New Jersey universities, maker spaces, federal and nonprofit 'laboratories. Funding awards range from \$25,000 to \$250,000.

Beyond funding, the connections that CSIT creates for awardees enables them to:

- leverage additional support from federal and state resources
- identify academic resources to further their technology development
- work with corporate partners to demonstrate capabilities in real world settings

A significant number of the NJ Department of Labor Innovation Research Fellowship Program awardees have gone to companies that have also received funding from CSIT. In addition, CSIT encourages participation in business development and market validation programs such as the Northeast I-Corps Hub led by Princeton University and the Clean Tech Open Northeast business accelerator.

CSIT works closely with the state's Strategic Innovation Centers. Companies that are part of those cohorts are eligible to apply for CSIT funding and the unique equipment at the Strategic Innovation Centers can be accessed through the CSIT R&D Voucher program.

As CSIT companies move past the early stages of development, CSIT connects them to NJEDA financial support programs including the angel investor tax credit, Net Operating Loss program, Evergreen Fund and Golden Seeds. Enabling entrepreneurs to build on the resources from NJEDA helps ensure that these entrepreneurs stay and grow their businesses in New Jersey.

LETTER FROM THE EXECUTIVE DIRECTOR (CONTINUED)

The response from the entrepreneurial community to CSIT programs has been amazing with most programs oversubscribed. Most applicants to CSIT programs have five or fewer employees and are developing products in life sciences, technology, clean tech and advanced manufacturing. In 2024 CSIT also saw an increase in applications from academic startups based on licensing inventions developed at their institutions.

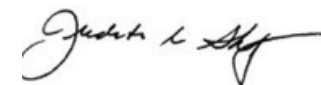
CSIT is committed to further developing and rolling out new programs aligned with the state's key strategic industrial sectors and encouraging collaboration and connectivity between industry and academia. We expanded the ResearchWithNJ (RwNJ) platform (<https://www.researchwithnj.com>) to include Hackensack Meridian and Kean joining Montclair, NJIT, Princeton, Rowan, Rutgers and Stevens. The free database has information on close to 7,100 New Jersey experts in science, technology, engineering and mathematics (STEM) along with their professional backgrounds publications and achievements. The site also highlights research departments and details on core laboratory facilities. RwNJ has been instrumental in increasing collaboration between industry and academia and assisting companies moving to New Jersey to identify academic support resources.

CSIT has also taken a leadership position by convening and catalyzing New Jersey's higher education institutions and industry partners to prepare joint submissions to the various federal government cluster development, R&D, and manufacturing funding opportunities.

CSIT continues to partner with NJEDA on both program development and administrative support / fiscal management. Having NJEDA continue to provide services to CSIT allows for greater operational efficiency and minimizes administrative waste as compared to CSIT providing these functions themselves.

CSIT has initiated third party audit of CSIT grant programs. For the first two audits (Round 5 of the SBIR/STTR Direct Financial Assistance Program and Round 1 of the Maternal/Infant R&D Seed Grant) the auditor determined that adequate controls were in place to protect the assets of the Commission. Program policies and procedures were effectively designed to ensure compliance with applicable laws and policies related to the Programs. The quality control processes over the Programs in conjunction with the compliance management system provide a strong control environment with well-designed control activities which lower operational risk.

2024 was a challenging year on many dimensions and I am proud of the tenacity and accomplishments of New Jersey's innovation based life science, cleantech and technology companies. I thank each one of you for your contributions to developing and growing New Jersey's innovation economy.



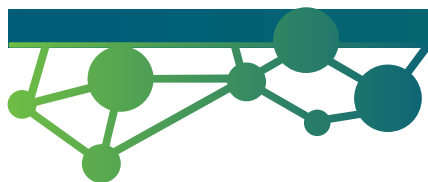
JUDITH SHERR
CSIT Executive Director



NJ CSIT HIGHLIGHTS 2020-2024



8



CSIT HIGHLIGHTS 2020-2024

CSIT plays a pivotal role in advancing New Jersey's innovation economy by:

- fostering research collaborations
- supporting emerging high growth potential startups
- facilitating technology commercialization

In 2024 CSIT continued to expand key grant and program initiatives making 196 awards totaling \$13.7M, more than doubling the awards that had been made in 2023.



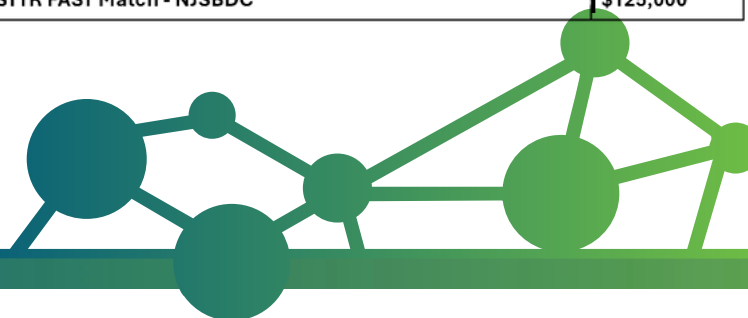
Entrepreneurs use the CSIT funds awards to demonstrate technology capability / proof of concept leading to follow on support.

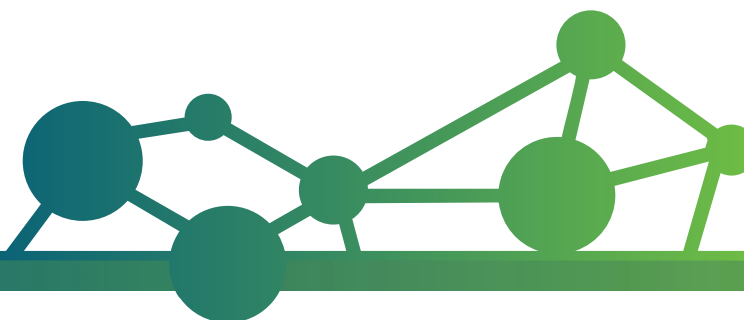
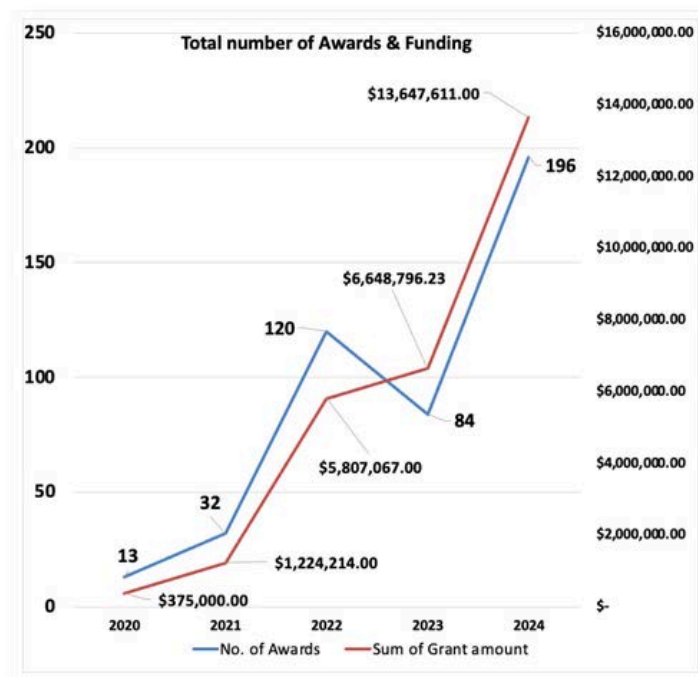
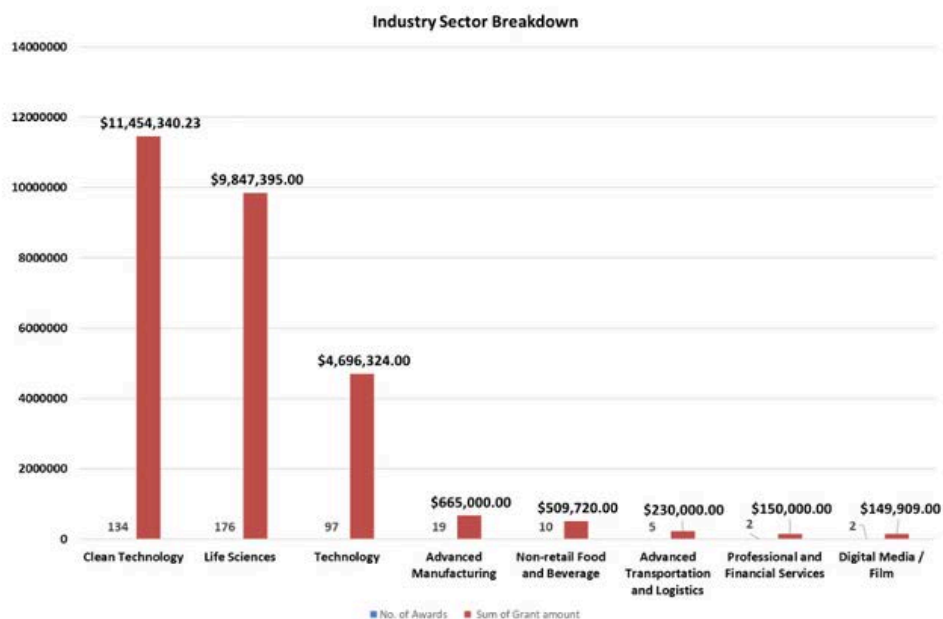
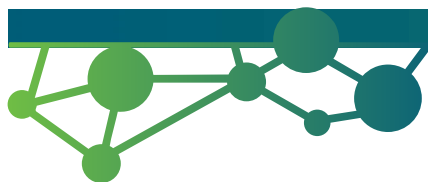


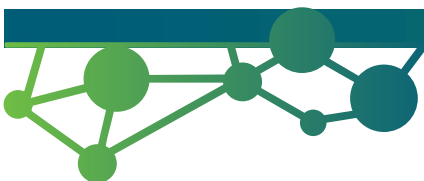
CSIT at BioNJ Conference

CSIT Awards – 2020-2024

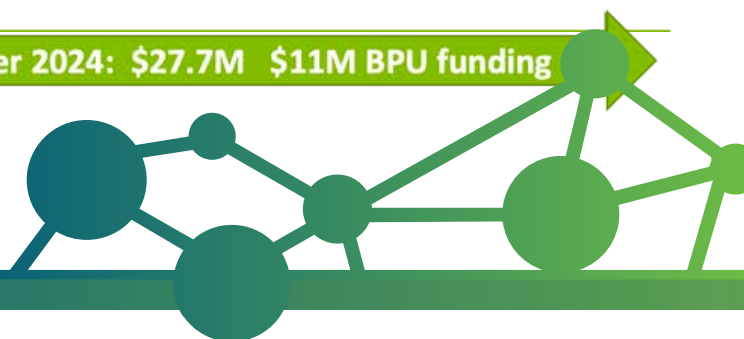
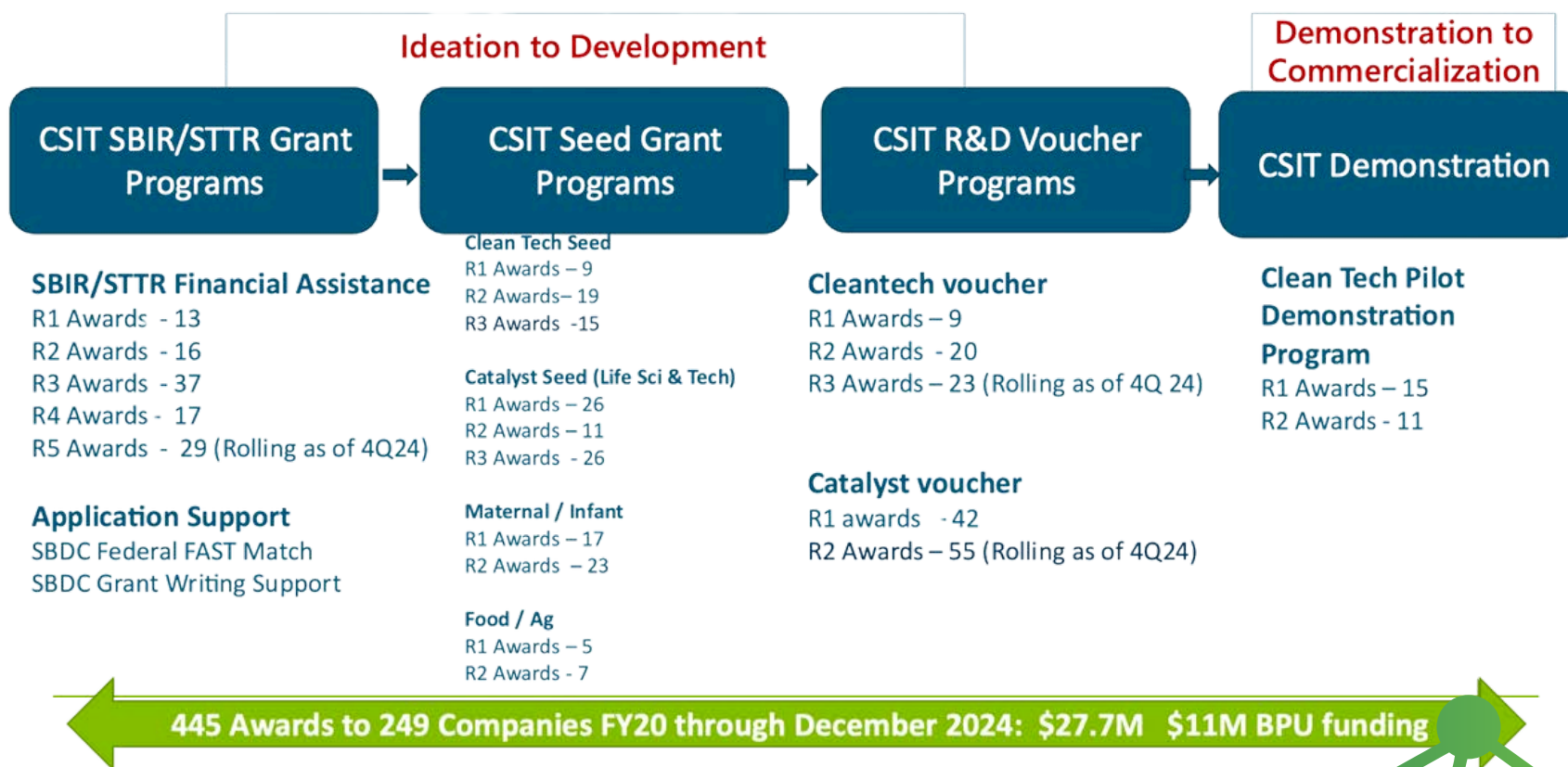
CSIT Grant Programs (FY2024)	Max Award
Catalyst Research & Development (R&D) Seed Grant	\$75,000
Catalyst R&D Seed Grant – Drug Therapeutic	\$150,000
Catalyst R&D Voucher Grant	\$40,000
Clean Tech R&D Seed Grant	\$75,000
Clean Tech Pilot Demonstration Project	\$250,000
Clean Tech R&D Voucher Grant	\$40,000
Food / Agriculture Innovation R&D Seed Grant	\$75,000
Maternal / Infant Health R&D Seed Grant	\$75,000
SBIR/STTR Phase I Direct Grant Assistance	\$25,000
SBIR/STTR Phase II Bridge Grant Assistance	\$50,000
SBIR/STTR FAST Match - NJSBDC	\$125,000

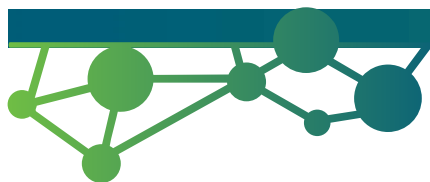






CSIT suite of early-stage Programs





An **economic impact analysis** of CSIT awardees demonstrates substantial progress in job growth, location expansion, follow on funding and technology commercialization significantly leveraging CSIT grant support. Data from the first eleven cohorts of 160 companies indicates that CSIT awardees have:

- Leveraged CSIT funds approximately 15X in terms of follow-on funds raised as additional grants, equity and loans.
- Created close to 900 full time equivalent direct, indirect and induced new jobs
- Filed over 150 new patent applications
- Paid estimated NJ taxes (state and local) \$13.2M exceeding the amount of grant funds to these companies \$13.1M



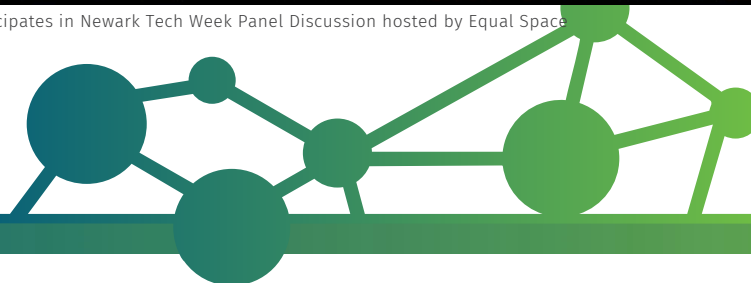
EV Buddy demonstration of innovative Electric Vehicle-to-Electric Vehicle Smart Jumper Cable technology

WE NEED MORE NJ CSIT PROGRAMS LIKE THIS IN NEW JERSEY BECAUSE EVEN THOUGH NJ HAS BEEN NO. 5 IN U.S.A. PATENTS, WE ALSO NEED THE HUNDREDS OF THOUSANDS OF JOBS THAT THESE PATENTS CREATE.

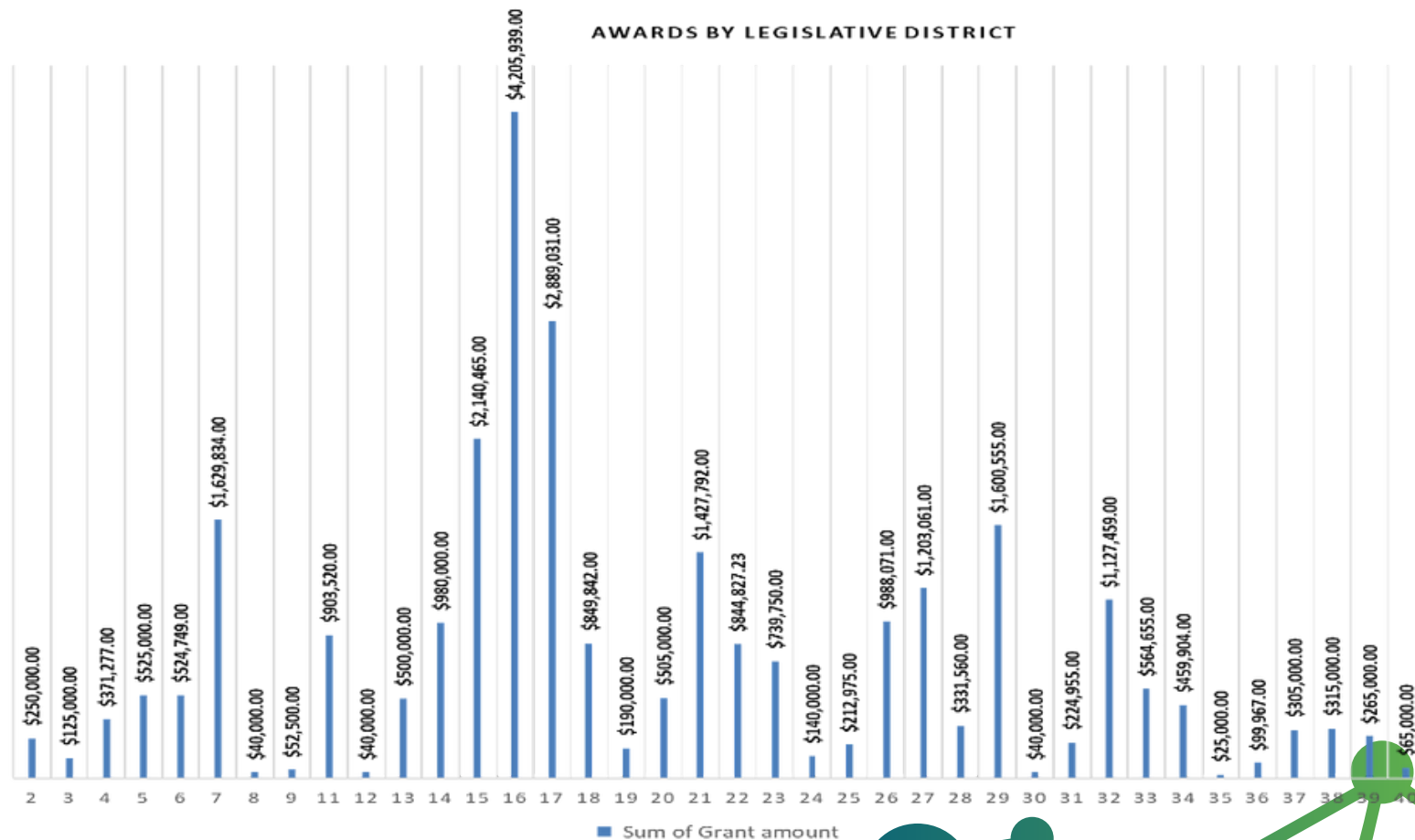
– REY MONTALVO, PRESIDENT/CEO, CONSOLIDATED ENERGY DESIGN

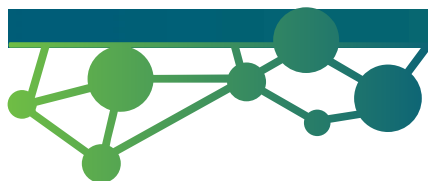


CSIT participates in Newark Tech Week Panel Discussion hosted by Equal Space



CSIT awards by NJ Legislative District 2020-2024





CSIT Awards by County:

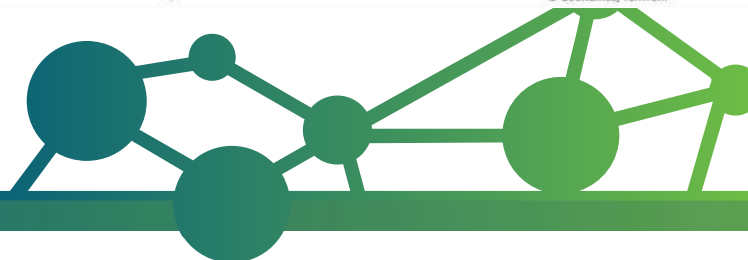
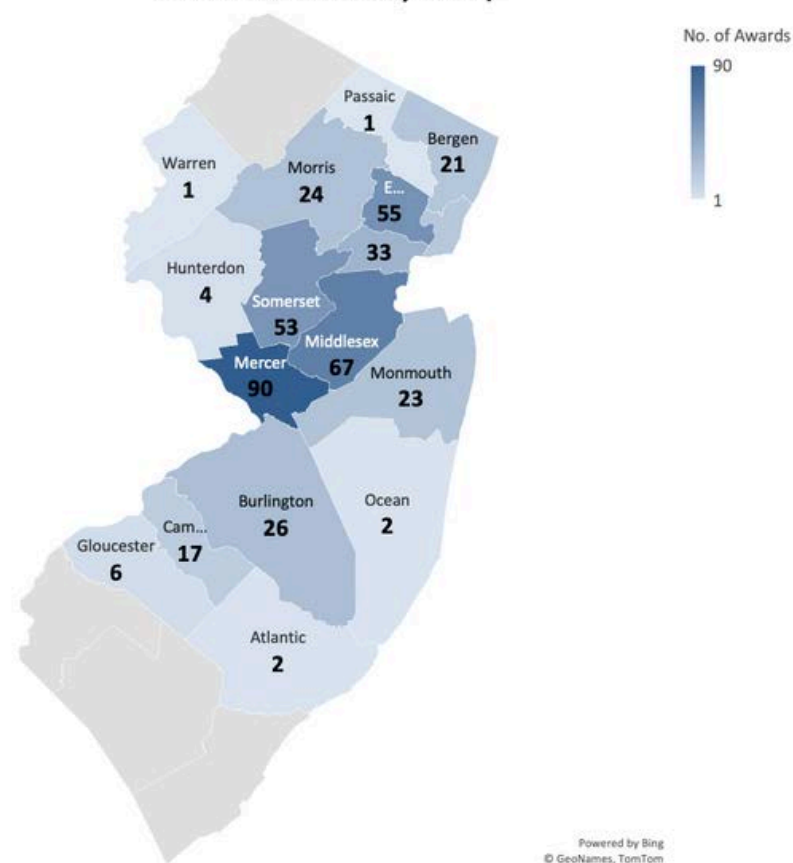
Building a Vibrant Ecosystem Across the State

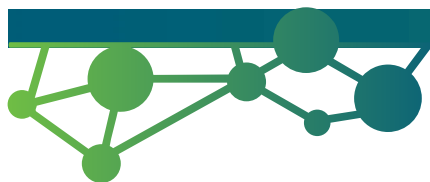
A key accomplishment of CSIT is the broad geographic distribution of awards and support to recipients throughout the state. CSIT has been instrumental in fostering a vibrant ecosystem for startups, researchers, and businesses, no matter their location in New Jersey.

Legislative District	No. of Awards
2	4
3	3
4	5
5	8
6	6
7	25
8	1
9	2
11	9
12	1
13	13
14	19
15	32
16	78
17	39
18	15
19	5
20	9
21	26

Legislative District	No. of Awards
22	10
23	13
24	3
25	4
26	10
27	18
28	4
29	24
30	1
31	3
32	14
33	10
34	11
35	1
36	2
37	5
38	4
39	6
40	2

Award Distribution by County



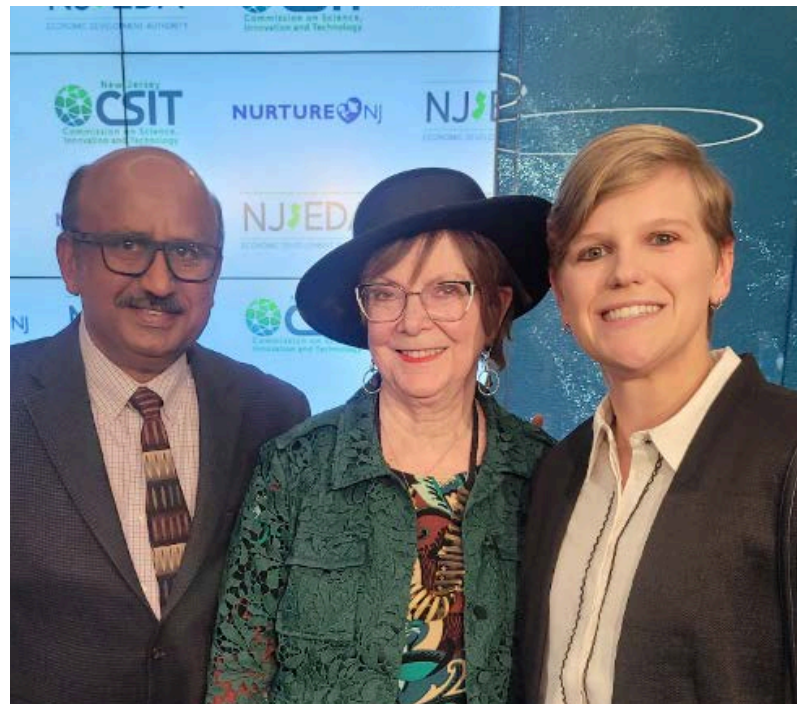


Diversity:

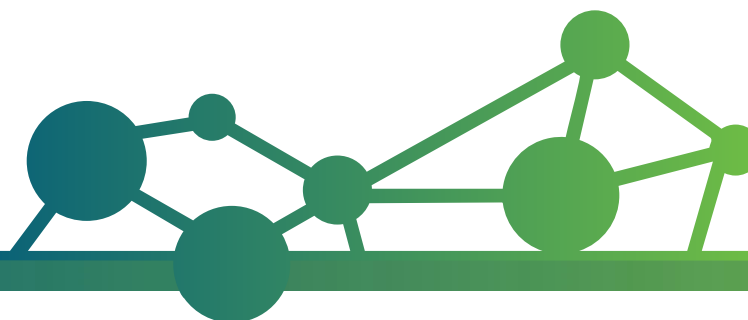
A major pillar of all CSIT programs is increased intentional and targeted outreach to female and minority entrepreneurs and communities that have historically had limited participation in the innovation economy. Currently approximately 25 percent of all awardees are self-identified female entrepreneurs while approximately 16% are underrepresented minority entrepreneurs. CSIT is continuing efforts to increase these participation percentages along with encouraging entrepreneurs to obtain NJ state certifications.



Discussion with NJ female academic entrepreneurs and Tech Transfer Offices



Delphine Diagnostics (Andy Bala,) CSIT (Judith Sheft) and HeraNano (Rachel Young) at Maternal/Infant R&D SEED Grant press conference





IDEATION STAGE

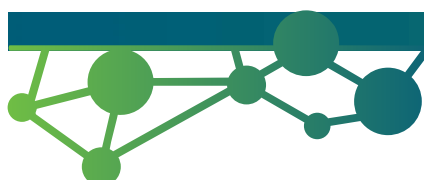


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IDEATION STAGE





Supporting New Jersey Startups through the Commercialization Pathway

R&D Voucher Programs (2024 Data)

Up to \$40,000 per award.

Awarded \$2.9 Million in total funding in 2024

NJCSIT Voucher programs:

- Improve awareness, access to and utilization of New Jersey's world-leading equipment, facilities and makerspaces
- Subsidize access to research and development equipment, facilities and makerspaces for small NJ-based companies that are developing innovative technologies

In 2024, CSIT saw record engagement in its Catalyst and Clean Tech Voucher Programs. Companies demonstrated how access to university core facilities and specialized equipment, supported through CSIT vouchers, was not just helpful—but transformational.

These vouchers enabled companies to generate critical data, prototype advanced materials, and validate scientific concepts at a fraction of the typical cost. Just as importantly, the data and materials produced at these facilities helped steer R&D in meaningful new directions—leading to breakthroughs, accelerated development timelines, and, ultimately, growth.

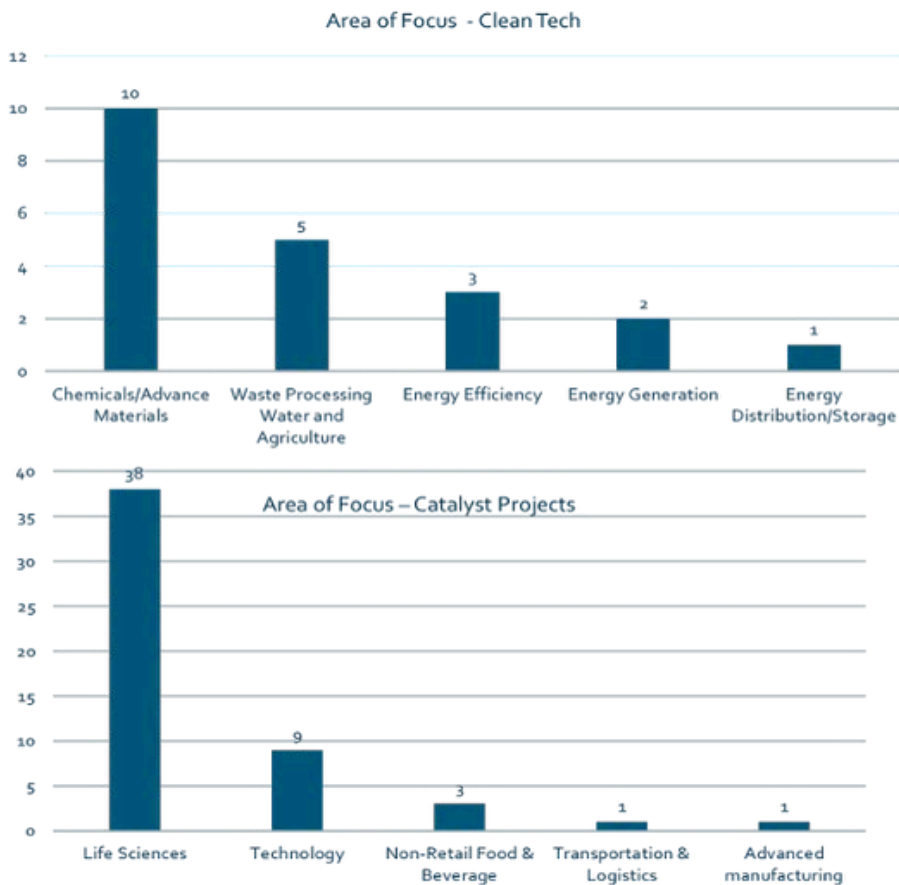
In many cases, the outcomes of voucher-supported work translated directly into new discoveries, strengthened investment readiness, and even early customer acquisition

“**THE CSIT VOUCHER PROGRAMS ALLOW FAST-PACED INNOVATION COMPANIES THE ABILITY TO GAIN ACCESS TO UNPARALLELED RESOURCES IN A MATTER OF A FEW WEEKS. THE EFFICIENCY OF THE APPROVAL PROCESS, AT NO UPFRONT COST TO THE COMPANY, ENSURES THAT INNOVATION COMPANIES IN NEW JERSEY CAN ACCESS THE BEST AND BRIGHTEST TALENT AND EQUIPMENT TO BEST POSITION THEMSELVES FOR SUCCESS.**”

- ALEX NORMAN, EXECUTIVE DIRECTOR, PRINCETON MATERIALS INSTITUTE



CSIT R&D Voucher Awards

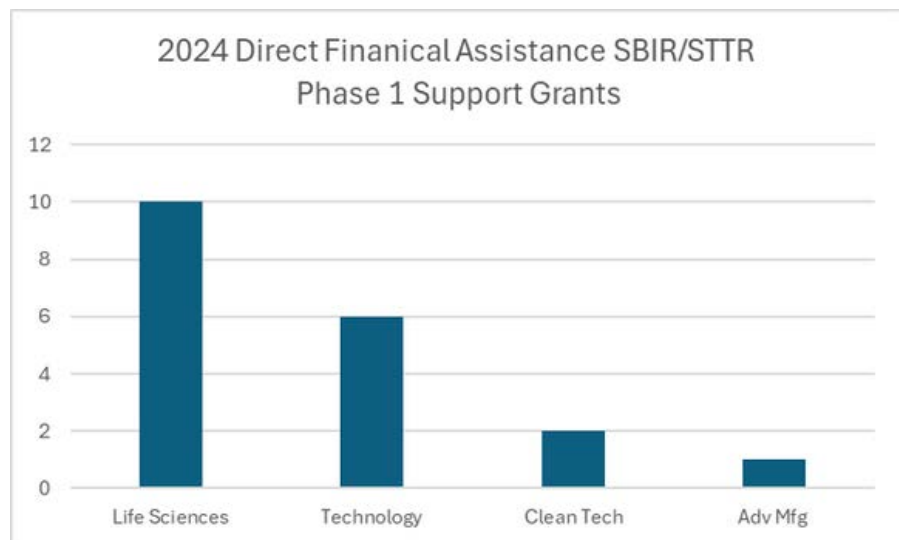
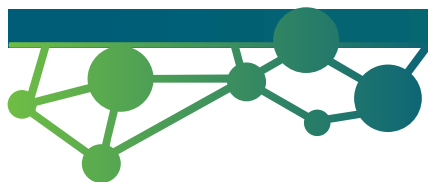


SBIR/STTR Round 5 – Phase I SBIR/STTR Direct financial Assistance (2024 data) –

19 awards total \$475,000 total funding

- Increase the success rate of NJ grant applications seeking federal funding for SBIR/STTR programs
- Reduce the financial burden for small NJ companies that have won Phase I, Fast Track, or Direct to Phase II Awards/Contracts through the federal SBIR/STTR program
- Increase success and maximize growth of small NJ companies in moving from Phase I to Phase II of the SBIR/STTR Federal program

CSIT's SBIR/STTR Direct Financial Assistance Program has been the cornerstone of the Commission's grant support to innovation-intensive entrepreneurs. The program provides Direct Financial Assistance Phase I grants of \$25,000 to New Jersey small businesses that have received federal Phase I SBIR/STTR awards in the past two years. CSIT's SBIR/STTR Direct Financial Assistance Program provides much-needed support, enabling the awardees to continue their development activity and retain staff.



“AMAZING! THANK YOU ALL SO MUCH!!! VERY PROUD TO BE IN NJ!
I HAVE TO THANK YOU FOR ALL OF THE AMAZING NJ
ENTREPRENEURIAL INCENTIVE PROGRAMS THAT ARE OUT
THERE FOR SCIENCE/TECH-LIKE US (ESPECIALLY ONE FOCUSED
ON MATERNAL-INFANT HEALTH).

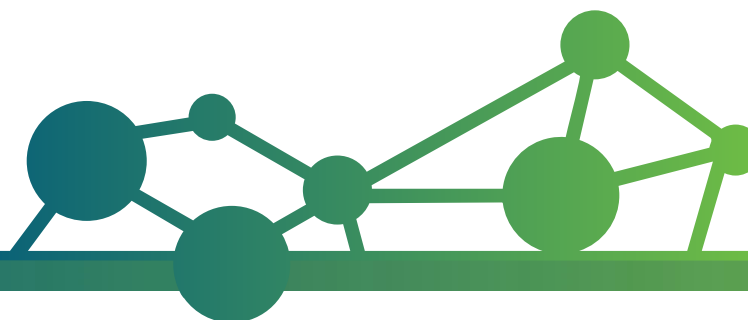
DR. JUSTIN SLIPE – CO-FOUNDER PUMPKIN

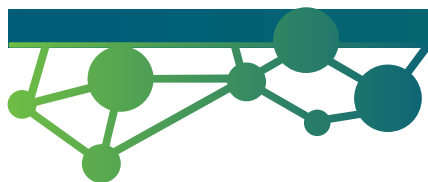
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“MANY THANKS FOR YOUR EMAIL - THIS IS VERY EXCITING NEWS!! GREAT THANKS
TO ALL NJ CSIT TEAM FOR SUPPORTING US IN SUCH UNSTEADY TIMES! THIS
ESSENTIAL BRIDGE FUNDING WILL HELP INAEDIS A LOT TO CONTINUE MAKING
PROGRESS AND CONTINUE OUR COMPANY’S USUAL OPERATIONS.

MAKSIM MEZHERICHER, PH.D. FOUNDER AND CEO, INAEDIS INC

”





New Jersey Start-up Resource and Trainings

In addition to critical funding, training and mentoring are essential pillars of support for early-stage companies receiving grants from CSIT. These resources equip entrepreneurs with the knowledge, skills, and strategic guidance needed to navigate the challenges of building and scaling a startup.

CSIT recognizes that innovation doesn't succeed in isolation—it flourishes in ecosystems where startups have access to expert mentorship, business development support, and technical assistance. By pairing grants with mentoring and training opportunities, CSIT helps ensure that emerging ventures are positioned for long-term success and real-world impact.

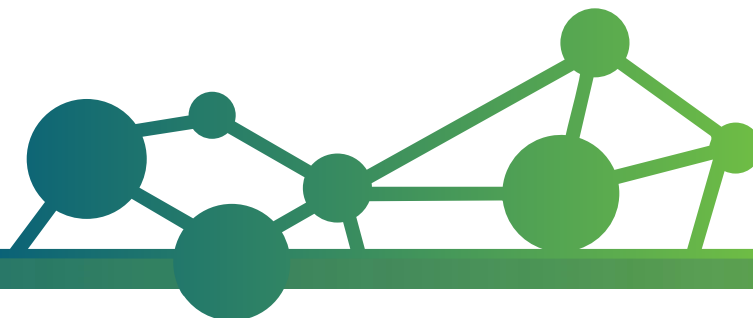


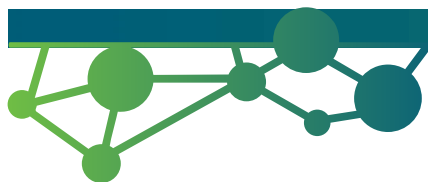
U.S. Small Business
Administration

NJSBDC Tech Team Launches Proposal Writing Assistance Program with Support from CSIT

The New Jersey Small Business Development Centers (NJSBDC) Tech Team supports a new Proposal Writing Assistance program, funded by a \$50,000 grant from the New Jersey Commission on Science, Innovation and Technology (CSIT). This program supports New Jersey innovators in developing strong proposals for federal Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grants.

In addition, CSIT supports the NJSBDC with funding to propel NJ innovation through the annual \$125,000 matching support of the federal SBA FAST program. The NJ State SBA FAST program aims to increase the number of SBIR (innovation)/STTR (research and development) proposals; increase the number of SBIR/STTR awards; and better prepare SBIR/STTR awardees for commercial success.

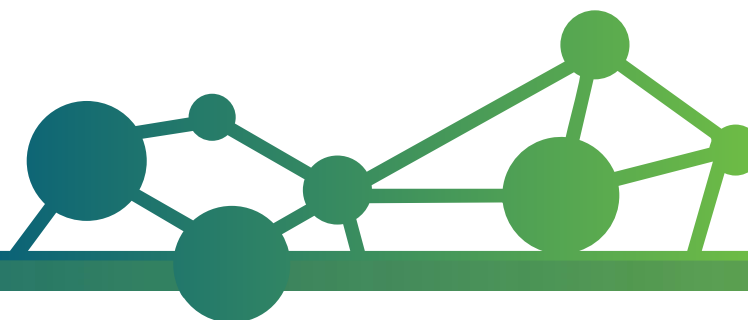


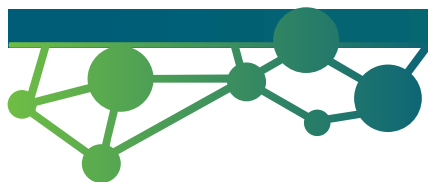


“THE NJSBDC TECH TEAM HAS BEEN A WONDERFUL PARTNER IN SUPPORTING NJ-BASED STARTUPS IN SUBMITTING SBIR AND STTR AWARDS. THESE AWARDS ARE IMPORTANT TO DEVELOPING EARLY-STAGE COMPANIES, ESPECIALLY IN RECENT YEARS, WHEN VENTURE CAPITAL INVESTMENT HAS BEEN LIMITED. APPLYING FOR AN SBIR OR STTR AWARD IS A COMPLICATED PROCESS THAT OUR EARLY-STAGE MANAGEMENT TEAMS MAY NOT BE AWARE OF. WITHOUT THE SUPPORT OF THE NJSBDC TECH TEAM, RUTGERS START-UPS WOULD NOT BE AS COMPETITIVE AS THEY ARE TODAY.

TO DATE, WE HAVE REFERRED OVER TWENTY-FIVE (25) RUTGERS-AFFILIATED COMPANIES TO THE NJSBDC TECH TEAM AND HAVE RECEIVED OVERWHELMINGLY POSITIVE FEEDBACK ABOUT THEIR EXPERIENCE. WE TRULY APPRECIATE CSIT’S SUPPORT FOR TECH-BASED INNOVATION AND ENTREPRENEURSHIP AND LOOK FORWARD TO THE CONTINUED PARTNERSHIP FOR YEARS TO COME.”

**DR. MICHAEL ZWICK
SENIOR VICE PRESIDENT FOR RESEARCH, RUTGERS UNIVERSITY**





NSF I-Corps Hub Northeast Region

CSIT companies have leveraged training from the Northeast NSF I-Corps Hub led by Princeton university to:

- **Accelerate** a discovery's impact through a startup or new venture.
- **Engage** with mentors and experienced entrepreneurs.
- **Build relationships** and gain skills in an inclusive, welcoming environment.
- **Receive a \$1,500 stipend** to participate in the Propelus customer discovery program.
- **Continue** to NSF's national I-Corps program and win a \$50,000 small business grant.
- **Become part of the I-Corps entrepreneurship ecosystem** and have access to resources across the Hub-member institutions.

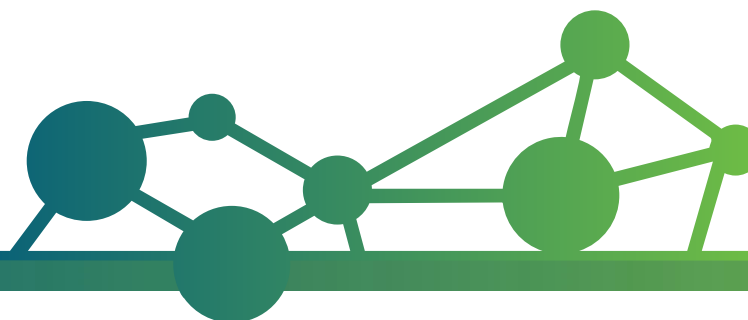


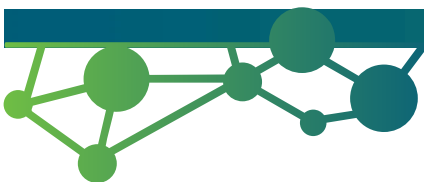
CSIT Team at I-Corps Northeast Region Annual Meeting

“ AT KEAN UNIVERSITY, OUR COMMITMENT TO RESEARCH EXCELLENCE AND INDUSTRY COLLABORATION HAS BEEN SIGNIFICANTLY ENHANCED THROUGH OUR PARTNERSHIP WITH THE NEW JERSEY COMMISSION ON SCIENCE, INNOVATION, AND TECHNOLOGY (CSIT). SUPPORT FROM THE CSIT HAS BEEN INSTRUMENTAL IN ADVANCING OUR MISSION, PARTICULARLY THROUGH THE VOUCHER PROGRAM, WHICH HAS STRENGTHENED OUR CONNECTION TO THE INDUSTRIAL COMMUNITY AND FOSTERED TECHNICAL PARTNERSHIPS THAT DRIVE INNOVATION.

-KEITH BOSTIAN, ASSOCIATE DEAN FOR RESEARCH, KEAN UNIVERSITY

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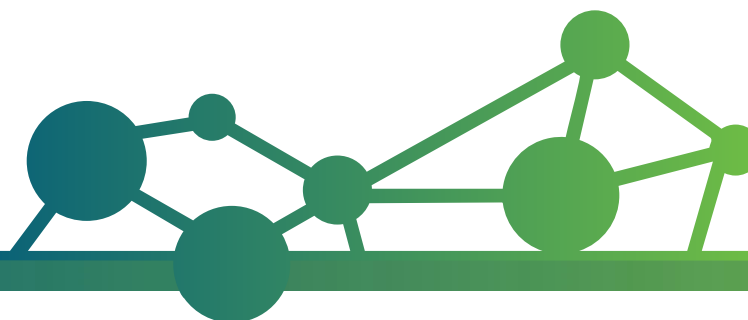
CSIT supports companies participating in Clean Tech Open, a hybrid business development / accelerator for clean tech startups. Clean Tech Open is the oldest and largest clean tech startup accelerator program, with the mission to find, fund, and foster entrepreneurs with ideas to solve our greatest environmental and energy challenges.



Clean Tech Open 2024 Cohort, NJ companies included, BioDome Inc., Coulomb Technology, GlobeWater & Solar Technologies, LLC, One Power USA, Pinegem, PTech, VUV Technologies Inc.



Clean Tech Open Northeast recruitment event at HAX





DEVELOPMENT STAGE

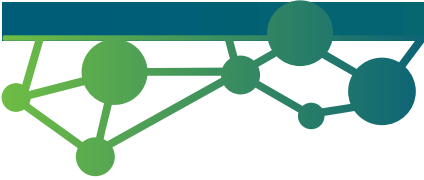


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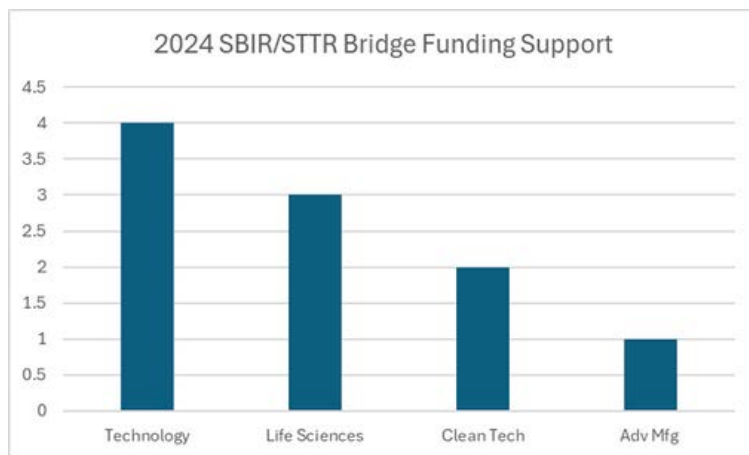
DEVELOPMENT STAGE





SBIR/STTR Round 5 – Phase II Matching Grant Phase (2024 data) – (2024 data) 10 awards total \$500,000 total funding

The gap between application and award notice for Phase II of the Federal SBIR/STTR program can be up to six months and it is during this period that small businesses often struggle to secure funding and maintain operations. CSIT offers funding of \$50,000 to New Jersey small businesses that have successfully completed Phase I of Federal SBIR/STTR program and have applied for Phase II funding. The funding is intended to enable these businesses to maintain operations while waiting on Phase II awards.



NeuroTechR3 Inc.



Maternal and Infant Health Seed Grant (2024 data)

CSIT has provided over **\$3 million** in Seed grant funding to **39 NJ start-up companies** over two rounds of program funding.

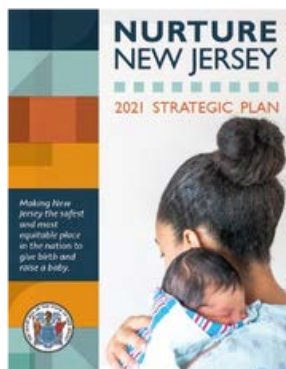
The New Jersey Maternal and Infant health Seed Grant (Round 1 and 2) is an initiative by CSIT designed to support startups and small businesses focused on improving maternal and infant health outcomes.

Key Features of the Program:

- Provides grant funding to early-stage companies developing innovative solutions in maternal and infant healthcare.
- Encourages advancements in areas of prenatal care, postpartum support, maternal mental health, and reducing disparities in birth outcomes.
- Supports equity-focused healthcare solutions, particularly for underserved communities

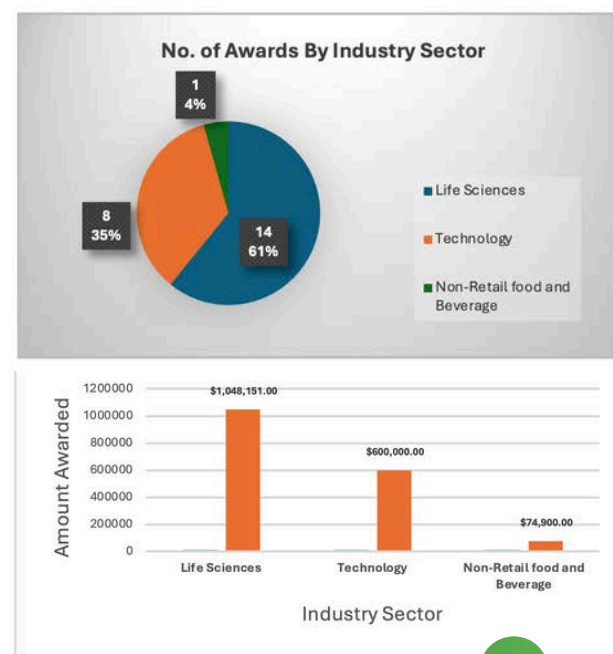
The program aligns with Nurture NJ, a statewide effort led by First Lady Tammy Murphy to make New Jersey the safest place in the U.S. to give birth and raise a baby.

Qualified applicants can receive grants of up to \$75,000



Round 2 (2024) – Profile of Awardees – \$1.7 Million Award Funding

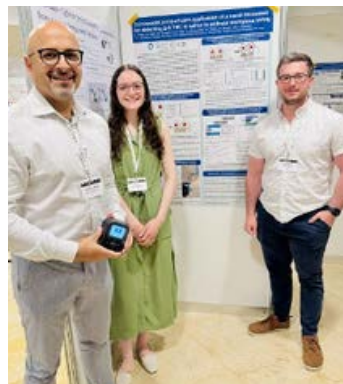
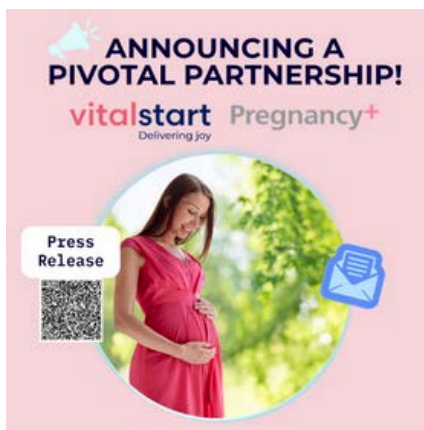
- **23** companies awarded Life Science (61%), Technology (35%), Non-retail food/Beverage (1%).
- **57%** of the companies have received multiple CSIT awards.
- **47%** are women-owned companies.



Maternal and Infant Health Seed Grant (2024 data)



First Lady Tammy Murphy, NJCSIT team, and CSIT Company Awardees



Dr. Himansu Bhatia, CEO of Ricovr and Team



Lisa Asare, President/CEO, MIHIA. Pamela Taylor, Senior Advisor, MIHIA joined by Judith Sheft and Mahako Etta of NJCSIT at First Lady Tammy Murphy announcement of NJCSIT Maternal and Infant Health grant awardees.

“ WE REALLY APPRECIATE THIS WONDERFUL NEWS! THIS AWARD HELPS MOVE US FORWARD TOWARDS CREATING AN EQUITABLE CARE ECOSYSTEM COVERING MOTHER, INFANTS AND ALL THOSE IN NEED
– ABILITYHUB, ROHIT MATHUR ”

“ MEDIFIVU IS SO EXCITED TO ADVANCE OUR TECHNOLOGY AND MAKE A DIFFERENCE IN THE LIVES OF WOMAN AND CHILDREN!
– MEDIFVU, EILEEN MORRISSEY, CEO/FOUNDER ”



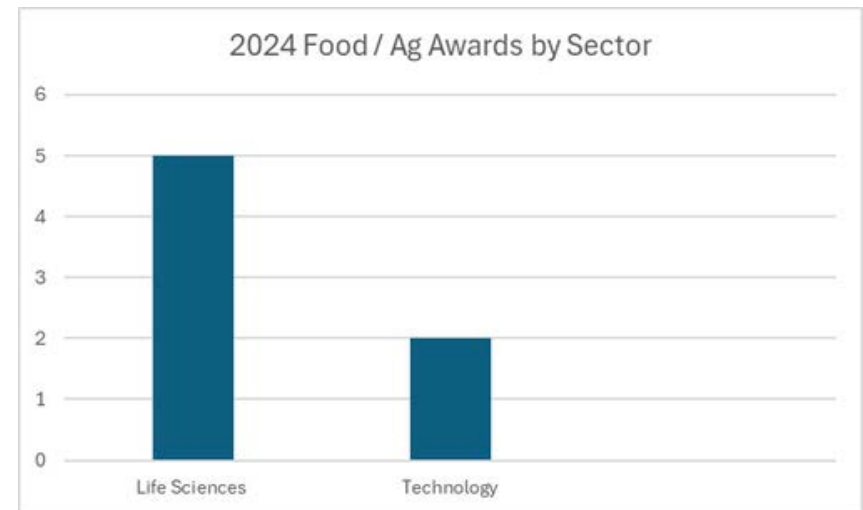
Food and Agriculture Research & Development Pilot Seed Grant – 2024 data

7 Awards - \$524,935 total funding



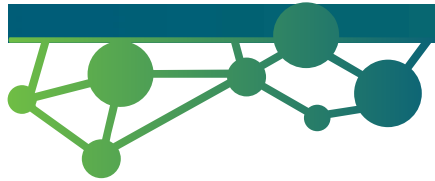
Geogreens and TCNJ Indoor Ag (iA) Lab

The Food and Agriculture Research & Development Pilot Seed Grant Program fosters innovation by supporting researchers and entrepreneurs in New Jersey who are developing technologies to combat food insecurity. The Program strives to increase access to nutritious foods by supporting companies that create new strategies to alleviate food deserts and create commercially viable solutions that in areas lacking affordable, healthy food. The Program supports the development of cutting-edge technologies within life sciences, technology, food and beverage (non-retail), transportation and logistics.

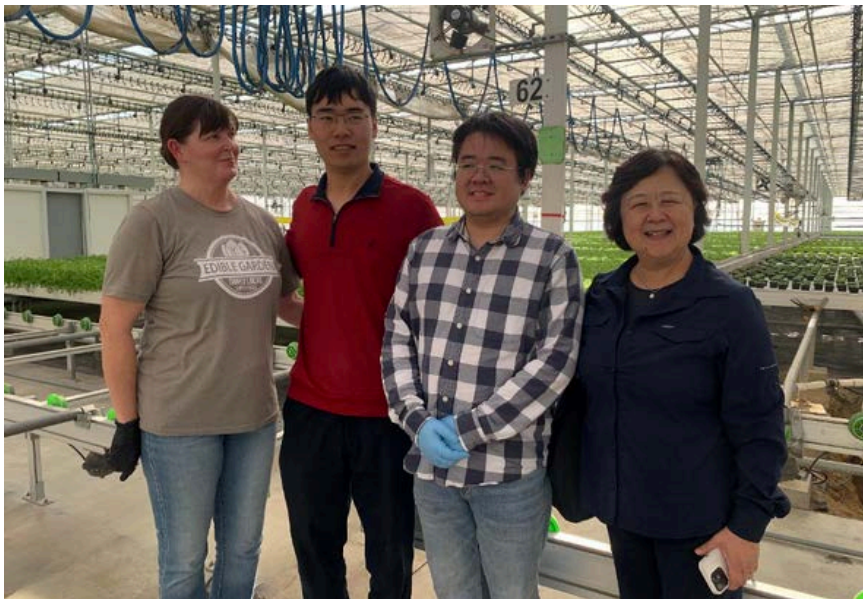


“ THIS MONEY WILL BE HELPFUL TO PROPEL OUR COMPANY. MANY THANKS TO THE MEMBERS OF THE NJEDA AND CSIT FOR AWARDING US THIS FUNDING. WE PROMISE TO USE THESE FUNDS TO DO EVERYTHING IN OUR POWER TO MAKE A POSITIVE IMPACT IN NEW JERSEY AND ACROSS THE NORTHEAST. WE WILL FEED PEOPLE, HELP CULTIVATE HEALTHY LIFESTYLES AND REDUCE THE IMPACT OF CLIMATE CHANGE.

– BIODOME INC., JERAH SIEGAL



Pilot Clean Tech Demonstration Round 2 – 2024 data 11 Awards – \$2,737,400 total funding



Brisea Inc. indoor farming pilot demonstration program

The goal of the Clean Tech Pilot Program is to support NJ based companies to accelerate the commercialization and deployment of innovative clean energy technologies by demonstrating capabilities in a real-world setting. Companies must be developing or testing clean technologies intended to avoid emissions of, or recapture, greenhouse gases and/or criteria pollutants, or to enable such avoidance or recapture.

Funding for the Program is provided by the New Jersey Board of Public Utilities. Eligible applicants proposed projects of up to 24 months in duration with a maximum budget of \$250,000.

“WE ARE THRILLED TO RECEIVE THE PILOT CLEAN TECH DEMONSTRATION GRANT AND SINCERELY APPRECIATE THE SUPPORT FROM YOU AND YOUR ORGANIZATION. YOUR GENEROSITY ENABLES US TO ADVANCE OUR WORK, AND WE ARE EAGER TO BEGIN UTILIZING THE FUNDING TO MAKE A SIGNIFICANT IMPACT

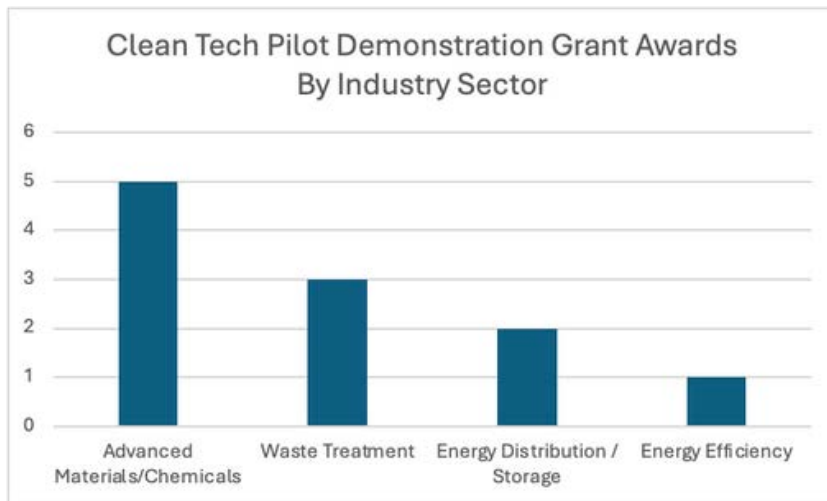
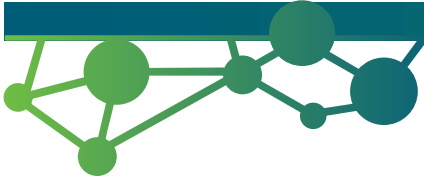
– BEZWADA BIOMEDICAL, RAO BEZWADA

”

“WE ARE EXCITED TO HAVE THE OPPORTUNITY TO CARRY OUT THE PILOT DEMONSTRATION OF OUR TECHNOLOGY. IT WILL BE TREMENDOUSLY HELPFUL IN DEVELOPING OUR COMMERCIAL PRODUCT.”

– POLLUX TECHNOLOGIES LLC, SID CHAUDHURI

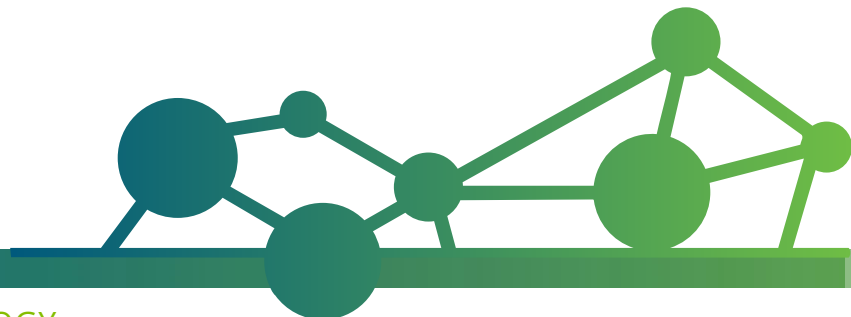
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Polygon showcases their filtration system.



Judith Sheft, NJCSIT and Princeton NuEnergy





ACADEMIC COLLABORATIONS & RESOURCES



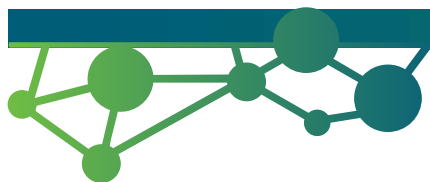
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ACADEMIC COLLABORATIONS & RESOURCES

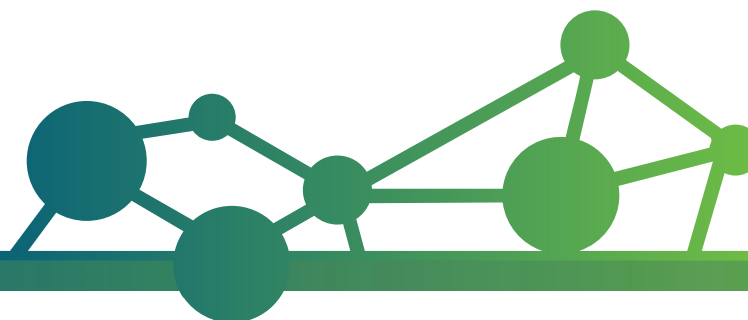


34



Research with New Jersey (RwNJ) – researchwithnj.com

The screenshot shows the homepage of the Research with New Jersey (RwNJ) website. At the top left is the 'RESEARCH WITH NEW JERSEY' logo. In the top right corner is a 'Help & FAQ' link. Below the header is a navigation menu with links: Home, Profiles, Research units, Core Facilities, Grants/Projects, Research output, and Prizes. The main content area features a large search box titled 'New Jersey Research Community Research Profiles'. Inside the search box, there is a dropdown menu set to 'All content' and a search bar with the placeholder text 'Search by expertise, name or affiliation'. To the right of the search bar is a magnifying glass icon and a settings gear icon. On the left side of the main content area, there are logos for Rutgers University and NJIT. On the right side, there are logos for Montclair State University and PPPL (Princeton Plasma Physics Laboratory). At the bottom of the page, there is a row of logos for Kean University, Rowan University, Princeton University, Hackensack Meridian Health, and Stevens Institute of Technology.





The platform consists of:

RWNJ is a free, publicly accessible online portal designed to showcase New Jersey's experts in science, technology, engineering, and mathematics (STEM). The platform aims to foster collaboration between, entrepreneurs, and the state's leading research institutions by providing detailed information about research, their publications, professional backgrounds, and available research facilities.

- ✓ **8 leading research institutions**
- ✓ **+378,000 research outputs**
- ✓ **+7,100 profiles**
- ✓ **+160 core facilities**
- ✓ **13,000 grants/projects**

Institutional links:

Montclair: <https://researchwith.montclair.edu/>

NJIT: <https://researchwith.njit.edu/>

Princeton: <https://collaborate.princeton.edu/>

Rowan: <https://www.researchwithrowan.com/>

Rutgers: <https://www.researchwithrutgers.com/>

Stevens: <https://researchwith.stevens.edu/>

Hackensack: <https://hmsom.elsevierpure.com/>

Kean: <https://researchers.kean.edu/>

Looking for Information on NJ's R&D Capabilities?

Check out  **www.researchwithnj.com**

A **FREE** online gateway to identify experts, facilities, publications, intellectual property, news, and events



+7,100
Profiles*



+378,000
Research
Outputs*



+13,000
Grants/Projects*

2018
New Jersey Tech
Council Award for
Collaborator of
the Year

Partner Institutions:



*data as of 3/1/25

“ WE ARE EXCITED TO LAUNCH RESEARCH WITH HACKENSACK WITH THE NEW JERSEY COMMISSION ON SCIENCE, INNOVATION, AND TECHNOLOGY AND THE STATE OF NEW JERSEY. THE PLATFORM WILL BE PILOTED WITH DATA FROM THE CENTER FOR DISCOVERY INNOVATION AND THE SCHOOL OF MEDICINE. THE GLOBAL PLATFORM WILL SHOWCASE OUR RENOWN RESEARCHERS, RESEARCH OUTPUTS, GRANTS/PROJECTS, AND RESEARCH UNITS WITH THE AIM OF BUILDING RESEARCH/BUSINESS COLLABORATIVE AND PARTNERSHIPS.

-DR. SANDRA ELLIOT, VICE PRESIDENT, CHIEF INNOVATION AND COMMERCIALIZATION OFFICER, HACKENSACK MERIDIAN HEALTH.

”

“ KEAN UNIVERSITY IS PROUD TO JOIN RESEARCHWITHNJ, A GLOBAL SITE THAT WILL HIGHLIGHT THE RICH AND ROBUST STEM-BASED RESEARCH OUTPUTS, FACULTY, FACILITIES, GRANTS/OUTPUTS AT THE UNIVERSITY. THE UNIVERSITY IMPLEMENTS ON OUR RECENT PRESTIGIOUS FEDERAL GRANTS TO INCREASE DIVERSITY IN BIOMEDICAL SCIENCES AND COMPUTATIONAL SCIENCE FIELDS, AND BUILDS GREATER COMMERCIALIZATION PATHWAYS FOR RESEARCH ENTREPRENEURS, OUR INCLUSION ONTO RESEARCH WITH NJ FURTHER VALIDATES THE ACADEMIC RIGOR OF OUR UNIVERSITY,

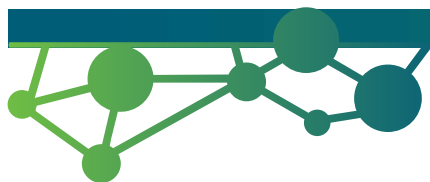
DR. KEITH BOSTIAN, ASSOCIATE PROVOST, SCIENCE AND TECHNOLOGY, KEAN UNIVERSITY, CEO, INSTITUTE FOR LIFE SCIENCE ENTREPRENEURSHIP.

”

“ STEVENS INSTITUTE OF TECHNOLOGY'S INTEGRATION INTO RESEARCHWITHNJ REFLECTS OUR COMMITMENT TO MAKING TRANSFORMATIVE RESEARCH ACCESSIBLE TO INDUSTRY PARTNERS AND ENTREPRENEURS. THIS PARTNERSHIP WITH CREATES NEW PATHWAYS FOR COMPANIES TO TAP INTO OUR EXPERTISE AND ACCELERATES THE TRANSLATION OF ACADEMIC DISCOVERIES INTO REAL-WORLD SOLUTIONS THAT BENEFIT NEW JERSEY AND BEYOND.

DR. ED SYNAKOWSKI, VICE PROVOST FOR RESEARCH AND INNOVATION AT STEVENS INSTITUTE OF TECHNOLOGY

”



RwNJ topics range across a broad spectrum of disciplines including biology, chemistry, mathematics, engineering, artificial intelligence and computer science



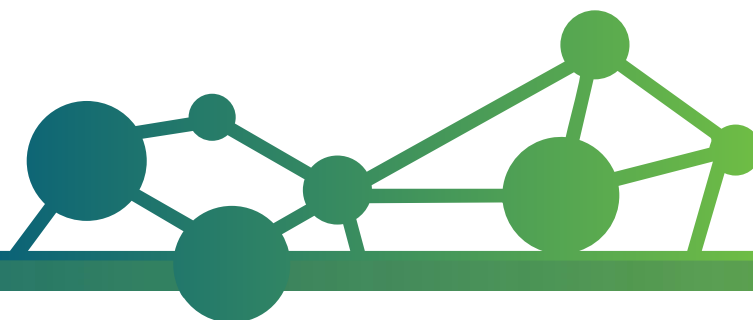
ResearchwithNJ was developed under the leadership of an Advisory Board consisting of the participating research universities and industry representatives from the NJEDA, OSHE, New Jersey Business & Industry Association, Choose New Jersey, BioNJ, the HealthCare Institute of New Jersey, R&D Council of New Jersey, and TechUnited. The Advisory Board provides oversight and recommendations to ensure the portal's sustainability and success.

New Jersey Department of Labor - Innovation and Research Fellowship Program (IRFP)

CSIT encourages companies to apply for the NJ Department of Labor Innovation and Research Fellowship Program. Grant funds are provided to support technological research and the innovation ecosystem in New Jersey and to encourage Ph.D. candidates and graduates to continue their research in fellowship with New Jersey's science and technology companies. In State Fiscal Year 2025, many of IRFP awardees also had received prior funding support from CSIT.



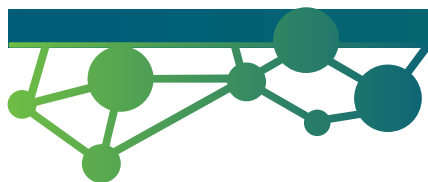
CSIT FY25 Awardees of DOL IRFP
ACON Pharmaceuticals Inc
Nanolnk Imaging, Inc.
Nexomics Inc
PumpKin Baby Inc.
RenewCO2 Inc
Ricovr Healthcare Inc
Robossis Inc.
SNOchip Inc.
UCHU Biosensors, Inc. (DBA Lura Health)
Vitruviae





LOOKING AHEAD 2025-2026





From State Fiscal Year 2019 through State Fiscal Year 2024, CSIT's programming offerings and budget steadily increased. The State Fiscal Year 2025 budget was a significant decrease which was partially made up by support from the NJ legislature of \$1M.

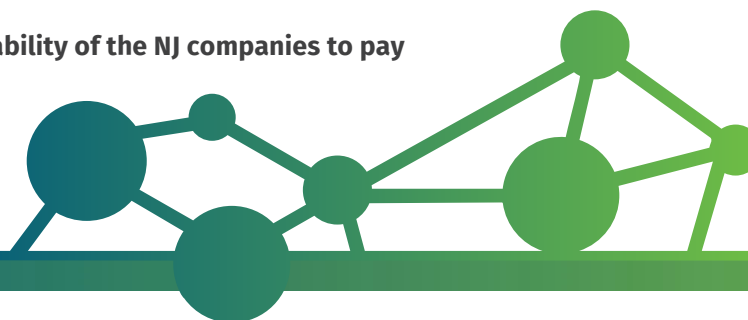
Budget	SFY19	SFY20	SFY21	SFY22	SFY23	SFY24	SFY25	SFY26
CSIT Proposed			\$3M	\$4.72M	\$8.5M	\$10M	\$10M	\$5.5M
Governor's Proposed			\$3M	\$3.2M	\$6.2M	\$7M	\$3.5M	\$3M
Final Budget	\$1M	\$1M	\$1M	\$4.7M	\$6.2M	\$9.5M	\$4.75M (includes \$250K of separate line item for maternal/infant CSIT R&D)	

The uncertainty in Washington around support for research is severely impacting current federal funding support for entrepreneurs making the support from CSIT even more critical.

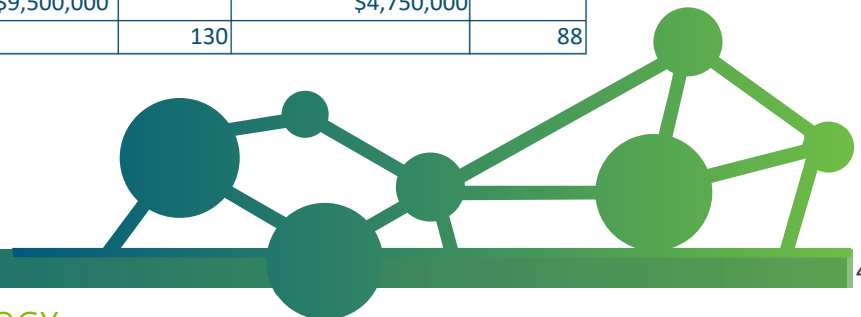
- Entrepreneurs have reported that federal SBIR/STTR grant review cycles are being extended delaying potential award decisions and payouts
- Several entrepreneurs indicated that their while initial federal funding approval was received, they have yet to receive actual grant awards
- In another case, entrepreneurs have been told that future federal funding may not be forthcoming for existing signed contracts

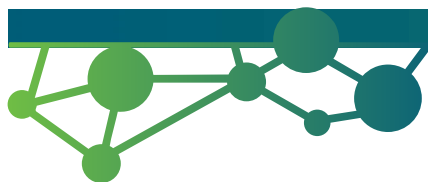
These federal funding delays and cancellations have impacted the ability of the NJ companies to pay staff.

Note: State Fiscal Year 2021 was a shortened 9 month budget year due to COVID



CSIT BUDGET	SFY24 Budget (July 2024 -June 2024)	Target SFY24 Awards	SFY25 Budget (July 2024-June 2025)	Target SFY 25 awards
PROGRAMS				
NJSBDC Support	\$175,000		\$175,000	
SBIR/STTR - awards \$25K - \$50K	\$1,200,000	35	\$1,475,000	50
Catalyst Seed Grants	\$3,000,000	30		
- Drug Therapeutics - \$150K				
- Technmology, Med Devices, Adv Mfg - \$75K				
Catalyst R&D Voucher Grants - awards - \$40K	\$1,800,000	45	\$1,480,000	37
Maternal / Infant Seed R&D Grants - awards - \$75K	\$1,550,000	20	\$250,000	3
Research With NJ				
Sponsorships	\$50,000		\$35,000	
Subtotal Programs	\$7,775,000		\$3,415,000	
Program Costs as % of Budget	82%		72%	
ADMINISTRATIVE				
Salaries & Fringe	\$800,000		\$850,000	
T&L, Supplies, Legal, Website, Program Evaluation	252,400		\$290,000	
EDA Chargeback, Space and 5% of SBIR, Seed, Voucher programs	\$422,600		\$195,000	
Federal Grant Writing Support	\$250,000			
Subtotal Administrative	\$1,725,000		\$1,335,000	
Administrative Costs as % of Budget	18%		28%	
TOTAL (Program + Admin)	\$9,500,000		\$4,750,000	
TOTAL Awards		130		88





CSIT BOARD MEMBERS

VOTING MEMBERS

PUBLIC MEMBERS APPOINTED BY THE GOVERNOR

Debbie Hart (Chair)

President and Chief Executive Officer, BioNJ

David Pascrell (Treasurer)

Co-Chair, Government and Regulatory Affairs, Gibbons P.C.

Adam Sternbach - *General Counsel, Tessera*

PUBLIC MEMBERS APPOINTED BY THE GOVERNOR WITH RECOMMENDATION OF THE SPEAKER OF THE ASSEMBLY

Dr. Alain Kornhauser,

Professor, Operations Research & Financial Engineering/Director, Transportation Program, Princeton University

Dr. Brian Bridges

Secretary of Higher Education, Ex-officio, or Designee

Mr. Kevin Dehmer

Commissioner of Education, Ex-officio, or Designee

Tim Sullivan

CEO, NJEDA, Ex-officio, or Designee

NON-VOTING MEMBERS

MEMBERS OF THE SENATE APPOINTED BY THE PRESIDENT OF THE SENATE, EX-OFFICIO

The Honorable Paul Sarlo

The Honorable Robert Singer

MEMBERS OF THE GENERAL ASSEMBLY APPOINTED BY THE SPEAKER OF THE GENERAL ASSEMBLY, EX-OFFICIO

The Honorable Christopher DePhillips

The Honorable Christopher Tully

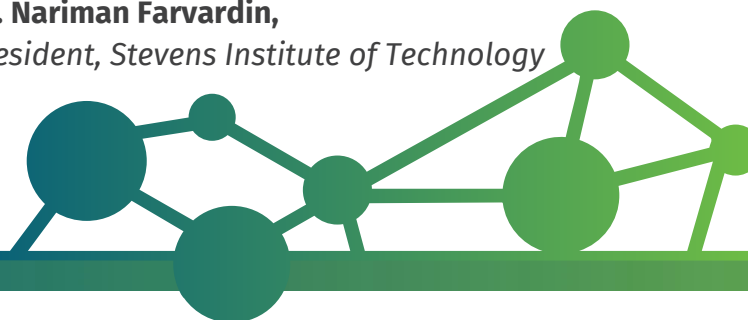
PRESIDENTS OF NEW JERSEY'S PUBLIC AND PRIVATE RESEARCH INSTITUTIONS OF HIGHER EDUCATION, APPOINTED ANNUALLY BY THE GOVERNOR, EX-OFFICIO

Dr. Jonathan Holloway,

President, Rutgers University

Dr. Nariman Farvardin,

President, Stevens Institute of Technology





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