



October 2023 - October2024

New Jersey has identified several key industry sectors as priorities for economic growth and development. These sectors are strategically chosen based on the state's strengths, resources, and potential for job creation. Here are some of the key priority industries in New Jersey:

1. Healthcare & Pharmaceuticals/ Life Sciences: New Jersey is often referred to as the "Medicine Chest of the World" due to its strong presence of pharmaceutical companies and life sciences research facilities. The state has a robust ecosystem for drug development, biotechnology, and healthcare services.

2. Technology and Innovation: This includes areas such as information technology, cybersecurity, fintech, and telecommunications. New Jersey aims to foster innovation through startups and established tech companies.

3. Advanced Manufacturing: New Jersey is focusing on modernizing its manufacturing sector with advanced technologies such as automation, robotics, and 3D printing. This sector includes aerospace, chemicals, and electronics manufacturing.

4. Financial Services: The state has a significant presence of banking, insurance, and investment firms. New Jersey aims to further develop this sector by leveraging its proximity to major financial markets like New York City.

5. Logistics and Supply Chain Management: With its strategic location and extensive transportation infrastructure, New Jersey is a hub for logistics, warehousing, and distribution. The state is focusing on enhancing its port facilities and logistics networks.

6. Clean Energy and Sustainability: New Jersey is committed to advancing clean energy initiatives, including solar, wind, and other renewable energy sources. The state is also focusing on sustainability practices across various sectors.

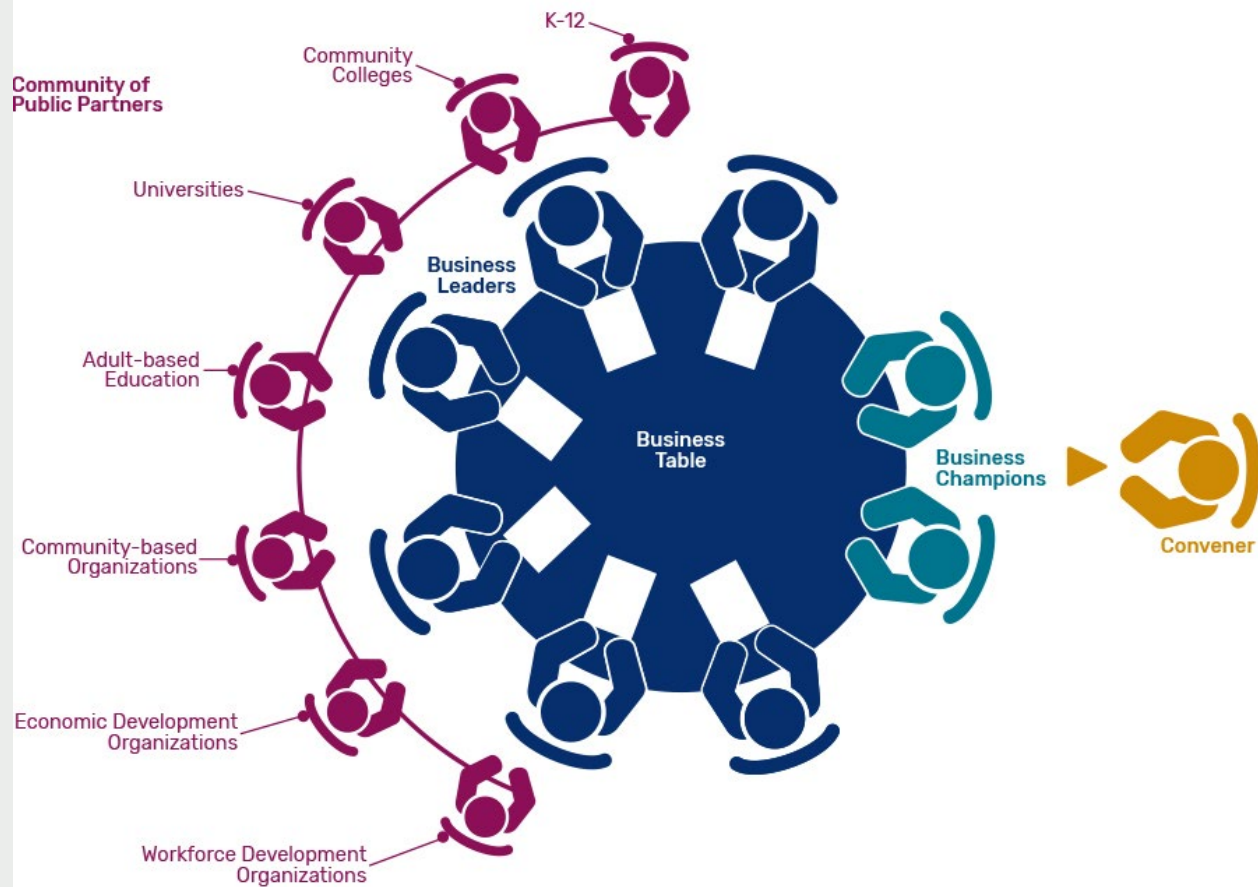
7. Tourism and Hospitality: New Jersey's tourism industry, including its shorelines, casinos, and cultural attractions, is a significant economic driver. The state is working to enhance its tourism infrastructure and marketing efforts.

8. Agriculture and Agribusiness: Despite its urbanization, New Jersey has a rich agricultural heritage. The state supports agribusinesses, including food production, processing, and distribution.

These priority sectors are supported through various state initiatives, incentives, and partnerships aimed at fostering growth, innovation, and job creation.



NEW JERSEY
INDUSTRY  PARTNERSHIPS
Life Sciences



INDUSTRY PARTNERSHIPS ARE A VEHICLE FOR MOBILIZING BUSINESS LEADERS FROM SPECIFIC REGIONS TO COLLABORATE WITH PUBLIC PARTNERS IN RESOLVING WORKFORCE, ECONOMIC AND EDUCATION CHALLENGES IMPACTING NEW JERSEY INDUSTRIES.



Champions of the Industry Partnerships

Vibha Jawa Ph.D. FAAPS , Executive Director, Bristol Myers Squibb.

Carmela Maffucci. Carmela Maffucci, PhD Medical Director | B-Cell Malignancies Pipeline Oncology Global Medical Affairs Johnson & Johnson

Chrissy Buteas. President and Chief Executive Officer, HealthCare Institute of New Jersey

Sreejit R Menon, Ph.D. Head of Life Sciences R&D, North America Croda, Inc.

Rakhi Agarwal Global Head of Procurement Risk, Supplier Diversity & NA Govt. Contract Compliance, Sanofi

Anthony J. Wallace. VP/GM, North America, Bausch + Lomb Surgical

Anjali Agrawal EXEC DIR – CMC and Product Supply, Novo Nordisk

Sundari Pai Luts | Director – Responsible & Integrated Sourcing, Global Procurement COE, Regeneron

George P Coutros Lead, State Gov't Relations Corporate Affairs, Sanofi

Allie Orellana Senior Global Study Manager, Clinical Development and Operations, Haleon

Cynthia A. Inzano, M.S.Sr. Principal Scientist, Clinical Pharmacology, Pharmacometrics, Disposition & Bioanalysis

CONVENERS



Industry Partnerships-Life Sciences Initiatives

These initiatives often involve collaborations between the state government, private sector, academic institutions, and non-profit organizations.

1-Workforce Strategies

2-Career awareness and career pathways

3-Professional Development/Training

Workforce Strategies

This initiative covers different areas where the industry will have the opportunity to be exposed to job seekers and also help employers in the life sciences to grow and become successful in NJ. This year, we conducted a Veteran Job Fair in collaboration with the Department of Labor Business Services Team and County Leaders.

Location: Felician University.

Impact: The job fair impacted over 370 applicants, exposing them to various job opportunities within the industry. This event was very successful because we were able to create a career fair in this exclusive industry specifically for veterans and military families.

See pictures on the next pages.

Career fair in the life sciences industry



Sponsor: **J&J** –Champion, John Perez

Career awareness and Career pathways

This student-focused initiative is crucial for industry leaders committed to engaging with the next generation in New Jersey. By organizing motivational events, we aim to introduce students to the life sciences industry, enhancing their understanding and encouraging their involvement. Involving industry professionals as mentors ensures that the message from sector leaders is both attractive and impactful.

Our team coordinated five Career Pathways events at locations such as Caldwell University, Kean University, Liberty Science Center, NJIT, and Felician University.

Impact: These events reached over 2,300 students, providing them with insights into the life sciences industry, opportunities to engage in STEM programs, and the chance to explore their career interests. Additionally, these events fostered a sense of social responsibility and equipped students with the skills needed for success in the workforce.

See pictures on the next pages.



Topic: Diversity, Equity, & Inclusion in the Life Sciences Industry

Sponsor: Champion Dr. Jawa-BMS

Panelists: -Dr. Baerga-Merck

-Cynthia A. Inzano-BMS

-Dr. Maffucci-J&J

-Dr. Newsome-BMS

-Dr. Dodge-Novartis

-Lauren Nardini Branco-Thermofisher Scientific

-Dana Santye-Novo Nordisk

-Dr. Topper-Cooper Union

-Dr. Aleksunes – Rutgers University

-Dr. Agapito – NJ Academy of Sciences

-Ruben Rosario-Liberty Sciences Center

Moderators: -Dr. Velhagen – Caldwell University

-Dr. Jawa – BMS



Caldwell University



Topic: Internships opportunity in the Life Sciences

Sponsor: NJDOL

Panelists:

- Anthony Wallace-Bausch +Lomb
- Dr. Vibha Jawa –BMS
- John Perez –J&J
- Dr. Menon – Croda
- Dr. Newsome-BMS
- Dr. Dodge –Novartis
- Lauren Nardini Branco –Thermofisher Scientific

Moderators: -Dr. Teasdale- Kean University
-Paul Casey – Kean University

Kean University



Topic: Pathways in the life science Industry

Sponsor:- Champion Dr. Menon-Croda
- Champion Dr.Jawa - BMS

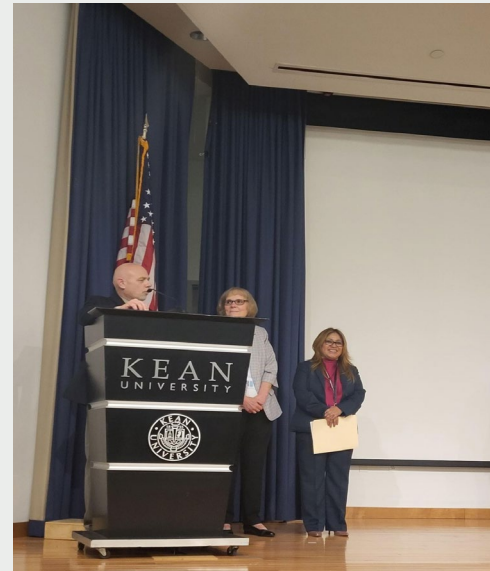
Panelists:

-Dr.Menon-Croda Inc
-Dr.Dodge-Novartis
-Dr.Maffucci- J&J
-Dr.Szilagy-BMS
-Cynthia A. Inzano-BMS
-Tracy Espiritu - PCTI
-Jennifer Leigh - STEMPark

-Mahika Jawa – STEMpowering kids
-Ruben Rosario-Liberty Sciences Center
-Dr.Topper – Cooper Union
-Paul Casey – Kean University
-Dr.Agapito – NJ Academy of Sciences
-Dr.Ziaei – Felician University
-Kim Case -Research &Development
-John Ehret - NJDOL

Moderators: Dan Barnett-Convener & Vibha Jawa-Champion

Liberty Sciences Center



Topic: 69th Annual Meeting

Panelists:

- Dr.Menon-Croda Inc
- Dr.Dodge-Novartis
- Dr.Lowery- J&J
- Dr.Jawa BMS

Moderators: Dr. Velhagen and Dr. Agapito

**Collaboration with
NJ Academy of Sciences**



Topic: A.I. in the Life Sciences

Sponsor: Champion Anthony Wallace – Bausch + Lomb

Panelists:

- Champion Daniel Weinstein-Lura Health
- Jennifer Harper – J&J
- Champion Anthony Wallace–Bausch + Lomb
- Mariam Khayretdinova – Brainify.AI
- Jiangbo Tang – BMS
- Michael Edmondson- NJIT

Moderator: Dan Barnett -Convener

NJIT



Topic: Clinical Research

Sponsor: Felician University

Panelist:

- Mark Wygonik -Roche
- Christian Colon Ramirez- J&J
- Chrissy Buteas – HINJ
- Dr. Ziaei – Felician University
- Dr. Masilamani -BMS

Moderator: Dr.Jawa -Champion

FELICIAN UNIVERSITY

Professional Development/Training

This initiative is crucial for the industry, as it has been observed that many students seeking job opportunities in the life sciences sector lack practical experience and comprehensive knowledge in various areas. Recognizing this gap, industry leaders see the need to provide training not only for students but also for educators in science-related fields.

In the summer of 2024, Dr. Jawa, a champion at BMS, launched a biotechnology training program. This program involved seven teachers from different schools across New Jersey, allowing them to gain valuable skills and hands-on experience alongside scientists and professionals at the Bristol Myers Squibb facility. Due to its success, the program is set to become an annual offering.

Impact: The training provided to these teachers is expected to influence over 3,000 students throughout their educational journey. Students will gain from the introduction of hands-on activities by their teachers and benefit from the collaboration with industry leaders who partner with the schools.

See pictures on the next page.

BMS Biotechnology Educator Program

Partnerships with New Jersey Department of Labor & Workforce Development, Bristol Myers Squibb, and NEW JERSEY ACADEMY OF SCIENCE (NJAS) were instrumental in bringing this initiative to life, led by Dr. Vibha Jawa PhD FAAPS and the BMS team. The program, curated by Dr. Vibha Jawa and the BMS team, provided educators with an in-depth exploration of Biotechnology fundamentals, cell culture, AI applications, and more, enhancing their classroom curriculum and nurturing students' interest in the field.



FIRST NEWSLETTER

THE EXTRA NEWS

Thursday, October 3, 2024

THE HEADLINE



Dr. Vibha Jawa

The New Jersey Department of Labor (NJDOLE) extends its heartfelt thanks to Dr. Vibha Jawa, Executive Director at Bristol Myers Squibb, for her exceptional collaboration and leadership over the past year. Dr. Jawa's pivotal role in the creation of the Biotechnology Educator Program for teachers, which she championed throughout the summer, has been invaluable.

Her dedication and unwavering commitment to assisting underserved groups in New Jersey to better understand and engage with the life sciences industry are truly commendable. NJDOLE deeply appreciates all the support and volunteer time Dr. Jawa has generously provided to the community in New Jersey. Her contributions have made a significant impact, and we are incredibly grateful for her efforts.

SUCCESS STORY

Daniel Weinstein, CEO of Laura Health and NJDOLE Industry Partnership Champion, has successfully hired an intern from Caldwell University for an open position as a Mechatronics Engineer Intern. Laura Health welcomed Anish Pandey, an international student from Caldwell University, to this exciting opportunity.

This marks a significant milestone, and we are eager to continue our collaboration with Caldwell University and other companies in the industry to further engage interns through their STEM Advance Project, an unsalaried internship program. We look forward to more successful partnerships that provide valuable experiences for students and support the growth of the industry.

THE SUB HEADLINE

NEW JERSEY
INDUSTRY PARTNERSHIPS
Life Sciences



Chrissy Buteas

GREAT NEWS! I am pleased to announce that Chrissy Buteas has been appointed as the new President and Chief Executive Officer of HealthCare Institute of New Jersey (HINJ). Chrissy brings to HINJ an impressive record of success from her previous positions in healthcare. She has long been active in a wide range of community activities and joins us as one of the Champions of the Industry Partnership – Life Sciences in Northern New Jersey. We are immensely thankful for her collaboration and leadership. Welcome Chrissy!



Congratulations to our Champion Sreejit Menon!!! Croda Pharma has been awarded a grant through the New Jersey Innovation and Research Fellowship Program (IRFP). This two-year grant will support a Ph.D. Fellow conducting key research in Drug Delivery, driving innovation for the Life Sciences industry.

Two Great Events in October. One of them Sponsor for our amazing Champion Anthony Wallace. Don't Miss Them!

ANGELICA LINDO Angelica.Lindo@dolnj.gov



FIRST BROADCAST

<https://youtu.be/EXiZzKiSMtE>

Summary:

In the past year, the Industry Partnership in northern New Jersey has achieved notable advancements by strengthening collaborations between industry, academia, and workforce organizations. These initiatives have opened up job opportunities, improved teacher training, and forged new partnerships. As a result, thousands of students and job seekers have benefited, supporting the expansion and success of the life sciences sector in New Jersey.

Industry Partners



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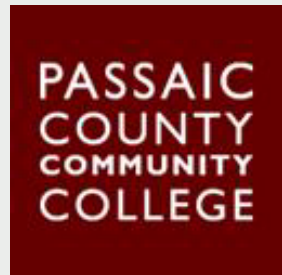
BAUSCH + LOMB
See better. Live better.



Delphine Diagnostics

The Bristol Myers Squibb logo, featuring a stylized purple icon of three vertical bars of increasing height followed by the company name in a sans-serif font.The Johnson & Johnson logo in its signature red cursive script.

Community Partners



Students 2 Science
EMPOWERING STUDENTS TO SUCCEED WITH STEM





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Engagement & Sector Strategies

New Jersey Department of Labor and
Workforce Development

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