

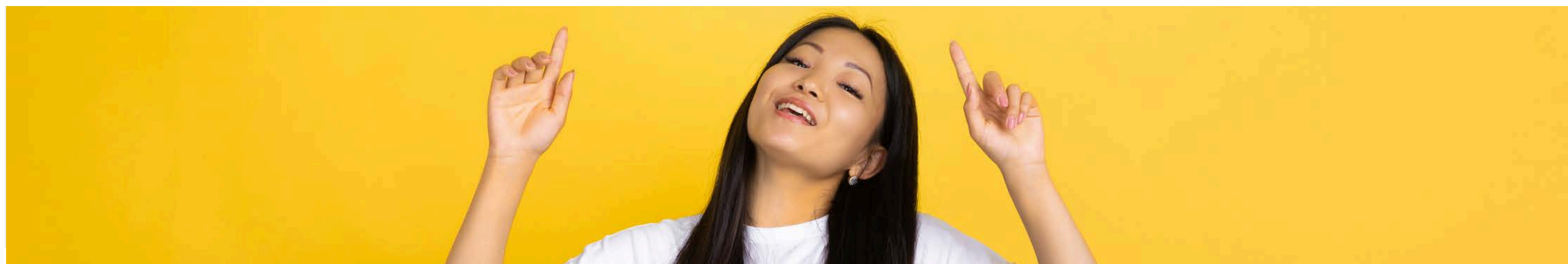


Bicara Therapeutics' Billion-Dollar Debut on NASDAQ Marks a New Era in Cancer Treatment.



White Biotechnology Market Set to Soar by 2031: Key Trends, Size, Demand, and Players Shaping the Future.

06 October 2024 | 6 Pages | Volume 1, Issue 03 | @shilabiotech



### 3rd Life Science Start-Up Summit Kicks Off in Bhubaneswar: Fostering Innovation and Collaboration



**Bhubaneswar (04/10/2024):** The much-anticipated 3rd Life Science Start-Up Summit commenced today in Bhubaneswar, drawing attention from across the country to the role of biotechnology and life sciences in driving innovation. Organized by the Department of Biotechnology, Government of India, and KIIT Technology Business Incubator, the event aims to promote emerging biotech start-ups and provide a platform for collaboration between academia, industry, and entrepreneurs.

The summit was inaugurated with keynote speeches by prominent figures from the life sciences sector, emphasizing the importance of nurturing start-ups to address India's healthcare and biotechnology challenges. Experts discussed the role of innovation in improving healthcare access, food security, and environmental sustainability.

This summit is a significant opportunity for Indian biotech start-ups to network, explore new business models, and scale up their innovations. It's a crucial step towards building a robust life sciences ecosystem in the country," said one of the keynote speakers, highlighting the summit's impact on the local and national biotech landscape.

The two-day summit will feature a series of panel discussions, workshops, and networking sessions where participants can learn from seasoned industry leaders, investors, and researchers. It is seen as a crucial step in building a supportive environment for start-ups to grow and flourish, particularly in Odisha, which is increasingly emerging as a hub for life sciences innovation. The event has also garnered significant attention from investors, offering promising start-ups the chance to secure funding and mentorship.

### ILS to Host Life Science Startup Summit: A Platform for Innovation and Collaboration

**Bhubaneswar:** Institute of Life Sciences (ILS) here will organise a two-day Life Science Startup Summit – 2024 from October 4, an official said Thursday. The event will be an innovation platform to bring together researchers, investors, corporations, policymakers, and representatives from public institutions, academia and financial institutions among others to cooperate, collaborate, and conglomerate for regional and national socio-economic growth, with an emphasis on BioE3. Department of Biotechnology, Central government secretary Rajesh S Gokhale will inaugurate the startup

summit. Science and Technology department principal secretary Chithra Arumugam will also grace the inaugural ceremony. To achieve the target of Viksit Bharat by 2047, experts in-line with the BioE3 policy aim to build prosperous, equitable, and sustainable development for current and future generations. Key discussions will be held on bio-manufacturing in diverse sectors such as agri-food, climate, health, bio-AI, and bio-economy, new business opportunities, technology trends, disruptive strategy and transformation with startup ecosystem enablers. Gokhale will also meet with Chief Secretary Manoj Ahuja and other officials to discuss on various projects & biotech activities.

### From Vaccines to AI: BioNTech's Bold Move Surprises Big Pharma



BioNTech, the company that gained global recognition for its pioneering COVID-19 vaccine, is now taking a bold leap into the world of artificial intelligence (AI). The German biotech firm has announced its plan to integrate AI into drug discovery and development, a move that has caught many in the pharmaceutical industry off guard.

Building on its success in mRNA technology, BioNTech is looking to use AI to accelerate the identification of new therapies and improve patient outcomes. The company believes that AI has the potential to transform the drug discovery process by analyzing vast datasets, predicting molecular behavior, and streamlining clinical trials.

This cutting-edge approach is expected to reduce the time required to develop new drugs, particularly for complex diseases like cancer and autoimmune disorders. "We see AI as the next frontier in medicine. It will help us create more personalized, targeted therapies and bring them to market faster," said BioNTech's CEO. This ambitious move sets BioNTech apart from traditional pharma companies, many of which have been slower to adopt AI technologies.

Industry experts are closely watching BioNTech's AI venture, with some predicting that it could disrupt the conventional pharmaceutical landscape. As AI continues to evolve, BioNTech's integration of AI in healthcare represents a transformative shift in how new treatments are developed and delivered.

With this leap into AI, BioNTech is not just focusing on vaccines but is positioning itself at the forefront of technological innovation, making waves in the biotech world once again.

## New Report Links Alcohol to Six Types of Cancer, Raising Health Concerns

A recent study has reaffirmed the strong connection between alcohol consumption and cancer, identifying six specific types of cancer directly linked to drinking. The findings, published by leading researchers, highlight the health risks associated with alcohol and urge individuals to reconsider their drinking habits.

The report establishes that alcohol consumption increases the risk of developing cancers of the mouth, throat, esophagus, liver, breast, and colon. Even moderate alcohol intake is shown to elevate cancer risks, contradicting common perceptions that only heavy drinking is dangerous. "This research further solidifies the evidence that alcohol, in any amount, poses a significant cancer risk," the lead researcher explained. India, where alcohol consumption is rising, could face a growing public health challenge. Health professionals stress the need for increased awareness and policies to reduce alcohol-related cancer cases.



The report also emphasizes that reducing alcohol intake, even slightly, can lower the risk of developing these cancers, potentially saving thousands of lives.

With cancer rates on the rise globally, this report serves as a reminder of the dangers associated with alcohol and the importance of preventive measures to protect public health.

Despite increasing evidence pointing to a causative association of alcohol in carcinogenesis, public awareness remains extremely low. In fact, in the US, an estimated half of the population does not know that alcohol consumption increases the risk of cancer, hence the need for continued education targeting awareness

and good lifestyle choices. As the research unfolds in the field, what people consider as an indulgent free-for-all may turn out to be a very serious affair when it comes to cancer risk and all-around health.

## White Biotechnology Market Set to Soar by 2031: Key Trends, Size, Demand, and Players Shaping the Future

The global white biotechnology market is projected to witness significant growth by 2031, driven by increasing demand for sustainable solutions across industries. White biotechnology, also known as industrial biotechnology, refers to the application of biotechnological processes in industrial production. By leveraging natural resources like enzymes, microorganisms, and cells, it aims to produce environmentally friendly and efficient alternatives to conventional chemical-based industrial processes.

### Market Overview and Size Forecast

As industries worldwide are under pressure to reduce their carbon footprint and adopt greener practices, white biotechnology has emerged as a key solution. The market is expected to expand substantially, with growing interest from sectors such as agriculture, bioenergy, chemicals, and pharmaceuticals.

According to the latest report, the market is projected to grow at a compound annual growth rate (CAGR) of over 10% from 2023 to 2031. This growth is attributed to rising investments in biotechnology research, government initiatives promoting sustainable industrial practices, and the increasing adoption of bio-based products. The global push toward achieving net-zero carbon emissions is further boosting the demand for white biotechnology applications.

### Trends in the White Biotechnology Market

- Shift Toward Bio-based Chemicals:** The chemical industry is transitioning from petrochemical-based production to bio-based alternatives, utilizing biotechnological processes to produce bioplastics, bio-based polymers, and other chemical compounds.
- Increased Use of Biocatalysts:** Enzymes, often referred to as biocatalysts, are integral to white biotechnology. They speed up industrial reactions without the need for harsh chemicals, improving the efficiency of production while reducing waste.
- Advancements in Synthetic Biology:** Synthetic biology, which involves the design and construction of new biological parts and systems, is transforming white biotechnology. It enables the engineering of microorganisms to produce complex chemicals, fuels, and pharmaceuticals at a faster rate and in a more sustainable manner.
- Growth of Bio-based Polymers and Materials:** These products are increasingly used in packaging, construction, textiles, and other industries seeking to reduce plastic waste and dependency on fossil fuels.



### Key Players in the White Biotechnology Market

Several major players dominate the white biotechnology market, investing heavily in research and development to stay ahead of the curve. Some of the key players include:

- BASF SE:** A global leader in the chemical industry, BASF has made significant advancements in white biotechnology, particularly in producing bio-based chemicals and polymers.
- Cargill, Inc.:** Known for its contributions to the agriculture and food industries, Cargill is also making strides in the biofuel and biochemical sectors, leveraging white biotechnology for sustainable solutions.
- DuPont de Nemours, Inc.:** DuPont has a strong presence in industrial biotechnology, focusing on developing biopolymers, biofuels, and other bio-based products.
- Novozymes A/S:** Specializing in enzyme production, Novozymes is at the forefront of biocatalyst development, providing essential tools for white biotechnology processes across various industries.
- Amyris, Inc.:** A leader in synthetic biology, Amyris engineers microorganisms to produce bio-based ingredients for cosmetics, pharmaceuticals, and other high-value markets.

The white biotechnology market is witnessing substantial growth in North America, Europe, and Asia-Pacific regions. In North America, the U.S. leads the market due to strong government support for bio-based products and a robust biotechnology industry. Europe follows closely, driven by stringent environmental regulations and initiatives like the European Green Deal. In the Asia-Pacific region, countries like China and India are emerging as key players due to their increasing investments in industrial biotechnology and government initiatives promoting green technologies.

### Challenges and Opportunities

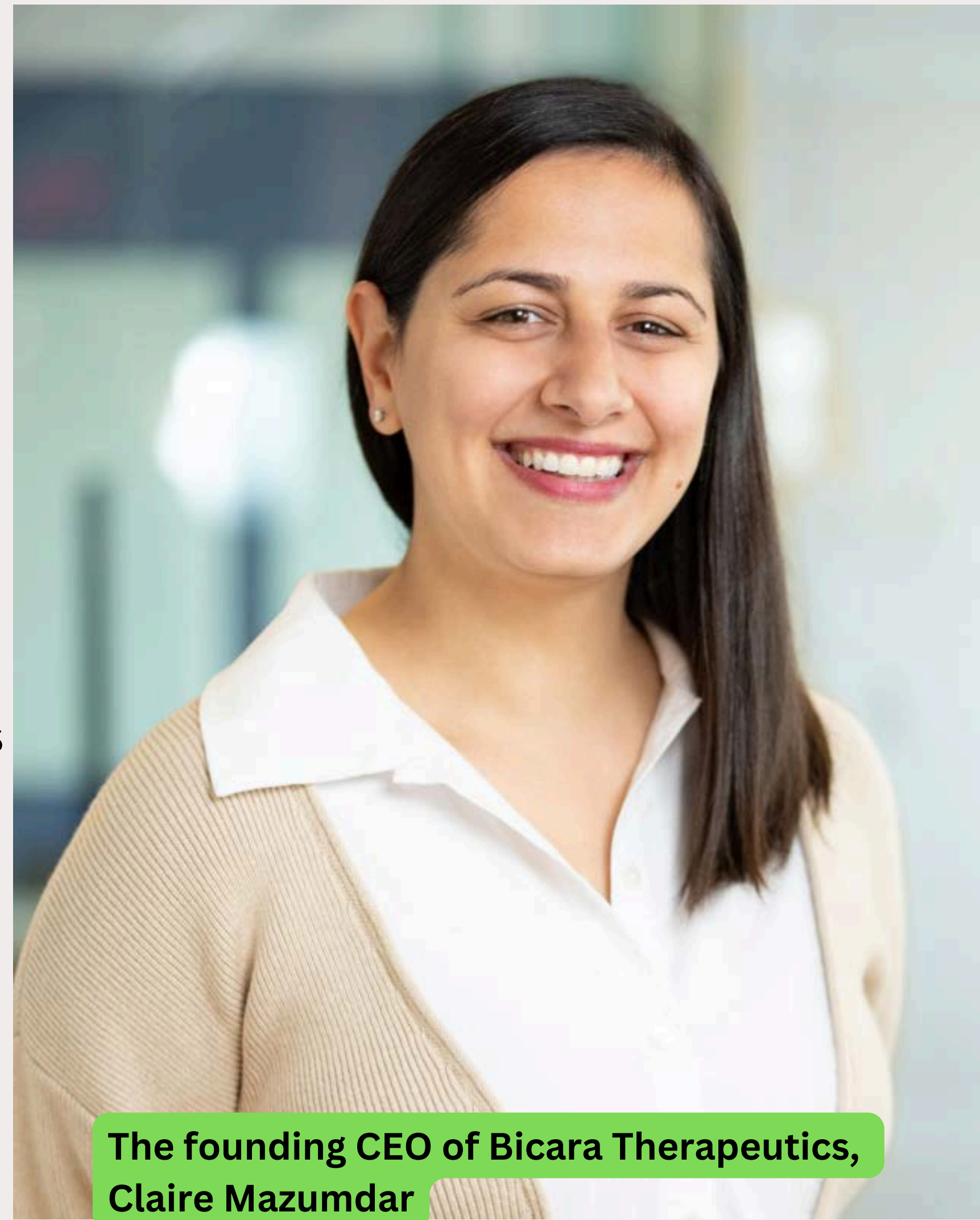
Despite the promising growth, the white biotechnology market faces certain challenges. High initial costs associated with setting up bio-based production facilities and the complexity of scaling up biotechnological processes are significant hurdles for new entrants. However, the market presents vast opportunities for innovation. As the global demand for sustainable and eco-friendly products continues to rise, companies that invest in white biotechnology stand to gain a competitive edge. Additionally, the ongoing advancements in genetic engineering and synthetic biology will likely open new avenues for industrial biotechnology applications, driving further market growth.

## Bicara Therapeutics' Billion-Dollar Debut on NASDAQ Marks a New Era in Cancer Treatment

Bicara Therapeutics, a cutting-edge biotech company, made its much-anticipated debut on NASDAQ, raising over a billion dollars in its initial public offering (IPO). The Massachusetts-based company has garnered significant attention for its innovative approach to cancer treatment, specifically its focus on developing dual-action biologics designed to combat solid tumors.

Bicara's breakthrough therapies target not only the cancer cells but also the tumor microenvironment, making their treatments more effective in halting tumor growth and spread. The IPO success highlights the market's confidence in the company's promising pipeline, with analysts projecting that Bicara's approach could revolutionize cancer therapy.

"We're thrilled by the overwhelming support we've received from the investment community," said Bicara's CEO. "This funding will accelerate our clinical trials and bring us one step closer to delivering life-saving treatments to patients in need."



The founding CEO of Bicara Therapeutics, Claire Mazumdar

Bicara Therapeutics has already begun several clinical trials, with early data showing promising results. With the funds raised through its NASDAQ debut, the company plans to expand its research, accelerate product development, and explore collaborations to bring its innovative treatments to a broader global market. The debut marks a pivotal moment for the biotech industry, as investors increasingly turn their attention to companies that offer groundbreaking solutions for challenging diseases like cancer. Bicara Therapeutics is now poised to become a key player in the biotech sector, with the potential to significantly impact the future of oncology.

### Kiran Mazumdar-Shaw's Reaction

Kiran Mazumdar-Shaw, known as the pioneer founder of Biocon, shared that she was glad Claire made such a great debut. Kiran also appreciated the incredible hard work Claire and her entire team have put together to build Bicara. Kiran also mentioned in an interview that "Claire has inspiring vision and leadership skills. She always dared to think big, and now she has delivered on this milestone. I'm excited about her success, and that is just the beginning of Bicara's remarkable journey."

## New Flexible mRNA Vaccine Shows Promise in Protecting Mice from Deadly C. diff Infections

Researchers have developed a groundbreaking mRNA vaccine that effectively protects mice from deadly *Clostridioides difficile* (C. diff) infections, including recurrent cases.



offering a broad protection that extends to recurring infections, which are a major cause of patient relapse.

This research comes at a time when the

According to a study published by scientists, the flexible mRNA vaccine triggers an immune response that could provide a powerful new tool in the fight against C. diff, a dangerous bacterium responsible for severe gastrointestinal issues and fatalities, especially in hospital settings.

C. diff infections are notoriously difficult to treat and are prone to recurrence, even after successful antibiotic interventions. This new mRNA vaccine introduces an innovative approach by targeting specific toxins produced by C. diff,

medical community is urgently seeking better solutions for preventing and managing C. diff, especially in vulnerable patient populations. While the vaccine is currently in preclinical stages and has only been tested in mice, the results are promising and could pave the way for human trials in the near future. With its flexibility and rapid adaptability, mRNA technology continues to revolutionize the field of immunology, building on the success of COVID-19 vaccines. The breakthrough offers hope for a new line of defense against persistent and dangerous bacterial infections like C. diff.

## Mankind Pharma to acquire Bharat Serums from Advent International for Rs 13,630 cr

Mankind Pharma Limited has entered into a definitive agreement to acquire a 100% stake in Bharat Serums and Vaccines Limited (BSV) from Advent International ("Advent"), one of the world's largest and most experienced private equity investors, for an enterprise value of approx. INR 13,630 Crores, subject to closing related adjustments," the company said in a statement on exchanges.

This strategic move marks a significant leap for Mankind Pharma, positioning it as a market leader in the Indian women's health and fertility drug market alongside access to other high entry barrier products in critical care with established complex R&D tech platforms, the company added. "BSV's acquisition represents a pivotal milestone in Mankind's journey,

establishing us as market leader in Indian women's health & fertility segment. We are also delighted to welcome BSV's 2,500+ members to our Mankind family. Together, we look forward to achieving even greater milestones and making a positive impact on women's health worldwide," said Rajeev Juneja, Vice-chairman and Managing Director, Mankind Pharma. Mankind Pharma

rose as much as 1.2% following Thursday's Bloomberg News report. The shares are up about 6.5% this year and 10% in the past 12 months.

Founded in 1971, biopharmaceutical company Bharat Serums has a research and development center in Mumbai with over 100 scientists and operations that cover more than 70 countries, as well as subsidiaries in Germany, the Philippines and the US, according to its website.



## Bangalore Bioinnovation Centre Launches Accelerator Program – Apply Now!

Bangalore Bioinnovation Centre (BBC) has announced the launch of its highly anticipated Accelerator Program for 2024, aimed at supporting startups and innovators in the field of biotechnology. The program provides a unique opportunity for early-stage biotech companies and entrepreneurs to scale their innovations with the help of BBC's world-class infrastructure, expert mentorship, and funding support.

This accelerator is designed to foster growth in critical areas like healthcare, agriculture, environment, and industrial biotechnology. Selected participants will have access to state-of-the-art labs, collaborative networking opportunities, and strategic guidance from industry leaders and experienced mentors.

### Eligibility Criteria

Innovators and startups working on cutting-edge biotech solutions are encouraged to apply. Applicants must have a strong business plan, a proven concept, and a drive to scale their innovations to the next level. The program seeks startups that have a potential to bring breakthrough solutions to the market.

### How to Apply

Interested candidates can apply online through the official Bangalore Bioinnovation Centre website. The application process is simple, and the deadline for submissions is fast approaching. Early-stage startups with disruptive biotech solutions are strongly encouraged to apply.

This is a golden opportunity for biotech entrepreneurs to gain invaluable support and take their ventures to new heights. For more information and to submit your application, visit the official BBC website.

## Next Wave of India's Economic Growth to Be Driven by Biotechnology, Bioeconomy, and Space Technology Advancements

Union Minister of State (Independent Charge) for Science and Technology, MoS (I/C) for Earth Sciences, MoS PMO, Department of MoS (I/C) for Earth Sciences, MoS PMO, Department of Atomic Energy, Department of Space, Personnel, Public Grievances and Pensions, Dr. Jitendra Singh announced here today that Northeast will hold first-ever International Science Festival. India's economic growth is poised for a significant boost, driven by advancements in biotechnology, bioeconomy, & space technology.



As the country capitalizes on cutting-edge innovations, the biotechnology sector is emerging as a key player in this transformation. India's bioeconomy has already reached a valuation of \$151 billion, contributing around 4.25% to the nation's GDP, and is set to continue its upward trajectory. Key developments in biopharmaceuticals, biofuels, agricultural biotechnology, and diagnostics are not only advancing India's global position but also fueling job creation and sustainable growth. Strategic government policies, such as the BioE3 initiative, are accelerating this expansion by focusing on bio-based products, precision agriculture, and AI-driven biomanufacturing.

## Applications Open for SRFP 2025: Summer Research Fellowship Program

The Indian Academy of Sciences, Bengaluru, in collaboration with the Indian National Science Academy (INSA), New Delhi, and The National Academy of Sciences (NASI), Prayagraj, has announced the launch of the Summer Research Fellowship Program (SRFP) 2025. This prestigious initiative is aimed at fostering research talent among undergraduate and postgraduate students across India by offering them the opportunity to engage in cutting-edge research during the summer. The program allows students to work with renowned scientists in premier research institutes across the country for a period of two months.



With the aim of nurturing a new generation of researchers, SRFP 2025 focuses on disciplines including life sciences, physics, chemistry, and engineering. "SRFP offers a unique chance for young students to work on real-world scientific challenges under the guidance of leading experts. It's a critical step in developing the next wave of innovative researchers in India," said a program representative.

Selected candidates will be provided with a fellowship stipend and will work on research projects tailored to their field of study. The deadline for application submission is November 30, 2024, and students are encouraged to apply early to avoid any last-minute technical difficulties.

## DBT BioCARE Programme 2024-25: Empowering Women Researchers in Biotechnology

In an effort to promote gender inclusivity and provide substantial support to women in biotechnology, the Department of Biotechnology (DBT) has launched the BioCARE Programme for 2024-25. This initiative, aimed at women researchers, is part of a long-term strategy to empower female scientists and foster innovation in India's biotechnology sector. The BioCARE Programme offers financial support and resources to women engaged in biological sciences research. Designed to encourage early and mid-career researchers, the programme is structured to provide grants for projects related to biotechnology that have the potential to address real-world challenges. The initiative is a significant step toward narrowing the gender gap in scientific research and promoting leadership among women in the field.

Interested candidates are encouraged to apply soon, as this opportunity serves as a platform to boost both scientific exploration and professional development for women in biotechnology. More details, including eligibility and the application process, can be accessed through the official website of DBT.

## FAST-SF 2025: Focus Area Science Technology Summer Fellowship – Apply Online Now

The Focus Area Science Technology Summer Fellowship (FAST-SF) 2025 is now open for applications, offering a golden opportunity for students and professionals in the fields of science and technology to engage in advanced research projects. This esteemed fellowship, initiated by the Indian Academy of Sciences (IAS), Indian National Science Academy (INSA), and National Academy of Sciences, India (NASI), aims to provide research exposure and mentorship under distinguished scientists across various institutions. The FAST-SF 2025 fellowship is designed to support research in key focus areas of science and technology. Application Deadline is November 30, 2024

This fellowship is an ideal opportunity for those aspiring to delve into scientific research and make a meaningful impact in cutting-edge areas. Interested candidates are encouraged to apply online through the official website before the deadline. For more details on eligibility, application guidelines, and fellowship benefits, visit the official FAST-SF 2025 webpage.

## SRFP 2025: Summer Research Fellowship Program – Apply for a Unique Research Experience

Applications are now open for the highly prestigious Summer Research Fellowship Program (SRFP) 2025. This initiative, spearheaded by the Indian Academy of Sciences (IAS), Indian National Science Academy (INSA), and National Academy of Sciences, India (NASI), aims to provide students and teachers an invaluable opportunity to gain hands-on experience in cutting-edge research fields.

The SRFP 2025 program is designed to encourage bright students and teachers to pursue research during the summer



months under the guidance of eminent scientists. Participants will have the chance to work at top research institutions across India, enhancing their scientific knowledge and skills. Application Deadline is November 15, 2024. This program is ideal for those who want to deepen their understanding of scientific research, gain mentorship from experienced researchers, and contribute to significant projects. Interested candidates can apply online before the deadline. For further details on eligibility, the application process, and program highlights, visit the official SRFP 2025 webpage.

## DBT-NIAB PhD Admissions Program 2024: Applications Invited for Biotechnology Research



The National Institute of Animal Biotechnology (NIAB), in collaboration with the Department of Biotechnology (DBT), has officially opened applications for its prestigious PhD Admissions Program 2024.

This program is designed to nurture young scientists and offer them opportunities to conduct cutting-edge research in the field of animal biotechnology. NIAB, renowned for its contributions to animal health and biotechnology, is inviting applications from candidates passionate about research in genomics, proteomics, and bioinformatics, with a focus on improving animal health, livestock productivity, and public health. The institute provides state-of-the-art facilities, expert mentorship, and a stimulating research environment. Application Deadline is October 30, 2024

Prospective candidates with a strong academic background in life sciences and related fields are encouraged to apply. The program offers an excellent platform for students to engage in high-impact research and contribute to innovations in animal biotechnology. For more information on eligibility criteria, application process, and program details, visit the official NIAB website.

## Reliance Foundation Postgraduate Scholarships 2024: Empowering Future Innovators



Applications are now open for the prestigious Reliance Foundation Postgraduate Scholarships 2024, aimed at supporting India's next generation of leaders and innovators. The program offers financial assistance to exceptional students pursuing postgraduate degrees in various fields, with a focus on science, technology, engineering, mathematics (STEM), management, and social sciences.

The Reliance Foundation is dedicated to nurturing talent by providing scholarships that cover tuition fees, living expenses, and other education-related costs. This financial support allows scholars to focus on academic excellence and leadership development, enabling them to make significant contributions to their respective fields.

Eligible candidates include Indian students enrolled in full-time postgraduate programs at recognized institutions. The deadline for applications is **November 30, 2024**, and interested applicants are encouraged to submit their applications promptly. For more details on eligibility criteria and the application process, visit the official Reliance Foundation Scholarships website.



### ICAR-CAFRI Jobs: Apply Now for Young Professional, Senior Project Associate, and Lac Culture Attendant Roles

ICAR-Central Agroforestry Research Institute (ICAR-CAFRI) has announced several temporary contractual positions under various projects. These positions are non-regular and co-terminus with the respective projects, offering an excellent opportunity for professionals to contribute to impactful research. The institute is seeking applicants for Young Professional II, Senior Project Associate, and Lac Culture Attendant positions. Candidates fulfilling the essential qualifications are invited to attend a walk-in interview on **October 23, 2024**. For those living more than 1000 km away, an option for an online interview is available.

### 20+ Exciting Job Opportunities at CSIR-CDRI: Walk-In & Online Interviews | MSc Life Science Jobs | Biotechnology

The CSIR-Central Drug Research Institute (CDRI) in Lucknow is conducting online and walk-in interviews for various project positions. These positions are part of prestigious projects focused on drug research, targeting areas such as cancer care, infectious diseases, and neuroscience. Candidates with relevant qualifications and experience are encouraged to apply. The walk-in interviews for Chemistry & Pharma positions (Position Codes 01-11) will be held on **15th October 2024**, and for Life Sciences (Position Codes 12-21) on 16th October 2024. Candidates must apply online by 10th October 2024. The Institute is looking for enthusiastic, talented young professionals with brilliant academic record, proven scientific achievements and zeal to conduct research as per the mandate of the Institute.



### IISER Pune Invites Applications for 2025 PhD Programme in Biology

IISER Pune has opened applications for its prestigious PhD Programme in Biology for the year 2025. This program is designed for aspiring researchers who aim to advance their knowledge and career in various fields of biology. Candidates with a strong academic background and a passion for biological research are encouraged to apply. The program offers cutting-edge research opportunities, state-of-the-art laboratory facilities, and mentorship from renowned scientists. Eligibility criteria include a Master's degree in relevant disciplines along with qualifying scores in national-level exams. Interested applicants can submit their applications online. For more details and to apply, visit IISER Pune's official website.

### CSIR-NIIST Recruitment 2024: Multiple Project Associate and Senior Project Associate Positions Available

The CSIR-National Institute for Interdisciplinary **Science** and Technology (NIIST) in Thiruvananthapuram has announced various job openings for Project Associates (PAT-I) and Senior Project Associates (PAT-II). A total of 19 positions are available across different specializations such as Chemistry, Food Science, Chemical Engineering, Microbiology, and more.

The positions are purely temporary and project-based, offering monthly stipends ranging from ₹25,000 to ₹42,000. Interested candidates can apply online starting September 27, 2024, with the application closing on **October 10, 2024**.

The National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram, is a constituent Laboratory of the Council of **Scientific** and Industrial Research (CSIR). Initially established in 1975 as a CSIR Complex, it was named as the Regional Research Laboratory in 1978 and later renamed as NIIST in 2007.

Eligible candidates are required to apply on-line through CSIR-NIIST website <https://www.niist.res.in/opportunities-and-careers/temporary-position-only>. No other mode of application will be accepted. On-line application link will be available from 27-09-2024, 05.30 PM to 10-10-2024, 5.30 PM. In case of Universities/Institute awarding CGPA/SGPA/OGPA grades etc.



### JRF Job @ Rajiv Gandhi Centre for Biotechnology (BRIC-RGCB)

Rajiv Gandhi Centre for Biotechnology (RGCB) has announced an exciting opportunity for candidates looking to work in cutting-edge research. RGCB is hiring for multiple positions under the project titled "Transcriptional Repression and Immune Regulation in Cancer." The project offers roles for skilled individuals with expertise in cellular and molecular biology. in the Laboratory of Dr. Nagarjun Narayanaswamy at Rajiv Gandhi Centre for Biotechnology (BRIC-RGCB), Poojappura, Thiruvananthapuram, Kerala. Applications should be submitted online. Candidates who are currently working in Government firms should send applications through proper channel. Last date for receiving completed applications is October 20, 2024. Only those fulfilling the above criteria need apply.

### Job Opportunity at ICMR: Apply Now for Project Research Scientist Positions at ICMR

Rajiv Gandhi Centre for Biotechnology (RGCB) has announced an exciting opportunity for candidates looking to work in cutting-edge research.

RGCB is hiring for multiple positions under the project titled "Transcriptional Repression and Immune Regulation in Cancer." The project offers roles for skilled individuals with expertise in cellular and molecular biology. in the Laboratory of Dr. Nagarjun Narayanaswamy at Rajiv Gandhi Centre for Biotechnology (BRIC-



RGCB), Poojappura, Thiruvananthapuram, Kerala. Applications should be submitted online. Candidates who are currently working in Government firms should send applications through proper channel. Last date for receiving completed applications is October 20, 2024. Only those fulfilling the above criteria need apply. No application will be entertained after 10th of October 2024 till 5:00 PM. Candidates are therefore advised to submit their application.

### CSIR NET June 2024 Results – Expected Announcement Dates

The much-awaited results for the CSIR NET June 2024 exam have been announced. Candidates who appeared for the exam can now check their scores and rankings on the official CSIR website. The exam, which is a key qualification for lectureship and junior research fellowships in science subjects, was held earlier this year across multiple centers in India.

The results for the CSIR-UGC-NET June 2024 exam are expected to be released by 15th October 2024. Stay tuned and keep an eye on the official portals of [@NTA\\_Exams](#), [@ugc\\_india](#), and [@CSIR\\_IND](#) for the latest updates.

The CSIR NET is a prestigious national-level examination that enables students to pursue research and academic careers in fields like Life Sciences.

**CENTRE OF BIOINFORMATICS RESEARCH & TECHNOLOGY**

**HANDS-ON TRAINING**

**MACHINE LEARNING IN BIOINFORMATICS**

*Deep Dive into Machine Learning for Biological Big Data Analysis*

10 Days | 11 October to 29 October 2024  
 Registration Closes: 09 October 2024  
 5.45 PM - 6:45 PM | Monday to Friday

Machine learning is becoming increasingly important in bioinformatics. This hands-on training will cover fundamental concepts, data preprocessing, model building, and evaluation. Designed for researchers and professionals, this workshop will equip you with the skills to apply machine learning algorithms to solve complex bioinformatics problems and derive meaningful insights from biological big data.

**Registration Process**

**Eligibility:** Students pursuing B.Sc., B.Tech., M.Sc., M.Tech., PhD in life sciences/computer science as well as Teaching and Industry Professionals.

To get the application form and fee details and for any other queries, write to us at [info@cbirt.net](mailto:info@cbirt.net) or call us at +91 6398142849.

**Topics**

- Introduction to Machine Learning
- Data Collection and Preprocessing
- Feature Extraction with R and Python Script
- Classification of Proteins Using Machine Learning Algorithms
- Cross-Validation for Better Model Evaluation
- Model Evaluation
- Model Interpretation

**Program Benefits**

- Certificates
- Access to Live Sessions
- Workshop Materials
- Online Technical Support Post Training

**Training Mode**

Online

**Course Instructors**

- Dr. Nadia, Trainer & Course Co-Coordinator, CBIRT
- Dr. Tamanna Anwar, Training Organizer & CoFounder, CBIRT

\*Note: There will be a break of 3 days in between from 22-24th October

**MORE INFORMATION**

+91 6398142849

[www.cbirt.net](http://www.cbirt.net)

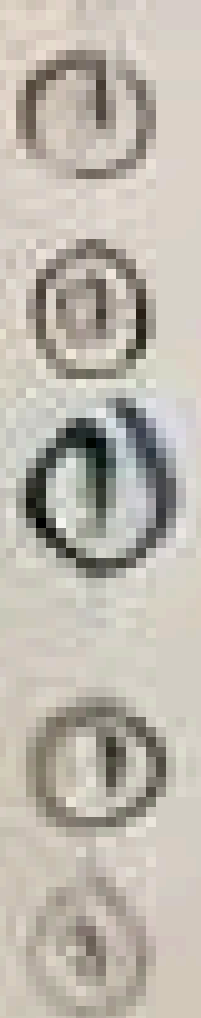
SUBSCRIBE TO

# Shila Biotech

## Shila Biotech

YOUR TRUSTED SOURCE  
FOR BIOTECH NEWS,  
JOBS AND UPDATES

**SUBSCRIBE NOW**



Name

Address

Handwritten name: *Shila*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Company Name  
Address

Phone  
Fax

