

# "BioEconomy 2025 and Beyond"



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**TICEL BIO PARK LTD.**  
(TIDCO Centre for Life Sciences)

# AGENDA

## Venue: Trinity Hall 1

### Session 01:

| Time        | Session   |
|-------------|---|
| 1000 - 1100 | <b>Registration</b>   |
| 1100 - 1215 | <b>Inaugural Session</b>  |
|             | <ul style="list-style-type: none"> <li>- Guest of Honor : <b>Dr C N Ashwath Narayan</b>, Minister of Higher Education, IT, BT and S&amp;T, Government of Karnataka</li> <li>- Chief Guest : <b>Prof. K Vijay Raghavan</b>, Principal Scientific Adviser to the Government of India</li> <li>- <b>Dr E V Ramana Reddy</b>, IAS, ACS, Government of Karnataka</li> <li>- <b>Dr Kiran Mazumdar-Shaw</b>, Hon. Non Executive Chairman ABLE &amp; Executive Chairperson, Biocon &amp; Biocon Biologics</li> <li>- <b>Mr G S Krishnan</b>, President, ABLE &amp; Director Stakeholder relations, Novozymes</li> </ul> |
| 1215 - 1240 | <b>Highlights of Bioclusters</b>  |
|             | <ul style="list-style-type: none"> <li>- <b>Smt. Meena Nagaraj C N</b>, IAS, Director IT &amp; BT, Department of IT, BT and S&amp;T, Government of Karnataka &amp; MD, KITS</li> <li>- <b>Ms Krishna Bhatia</b>, Chief Representative - India, Basel Area Business &amp; Innovation</li> <li>- <b>Dr Mrutyunjay Suar</b>, CEO, KIIT-TBI, DG R&amp;D, KIIT University</li> </ul>   |
| 1240 - 1300 | <b>Wishlist by ABLE</b>   |
|             | - <b>Dr P M Murali</b> , President-ABLE Council of Presidents, Chairman-Golden Jubilee Biotech Park and CMD-Jananom Pvt Ltd   |
| 1300 - 1345 | <b>LUNCH</b>  |

|             | Trinity Hall 1   | Trinity Hall 2   |
|-------------|--|--|
| 1400 - 1500 | <b>BioPharma: "The Next Decade"</b><br><b>Moderator:</b><br>- <b>Dr P M Murali</b> , President-ABLE Council of Presidents<br><b>Speakers:</b><br>- <b>Dr Kiran Mazumdar-Shaw</b> , Hon. Non Executive Chairman ABLE & Executive Chairperson, Biocon & Biocon Biologics<br>- <b>Dr Vijay Chandru</b> , Member, Council of Presidents and CMD, Strand Life Sciences<br>- <b>Dr Mahesh Bhalgat</b> , Chief Operating Officer, Syngene International Limited   | <b>Industrial Biotech : "New Innovations and emerging opportunities"</b><br><b>Moderator:</b><br>- <b>Mr G S Krishnan</b> , President, ABLE<br><b>Speakers:</b><br>- <b>Mr Krishna Mohan Puvvada</b> , Regional President, Novozymes South Asia Pvt Ltd<br>- <b>Dr Pramod Kumbhar</b> , President and CTO Praj Matrix - R&D Center, Praj Industries Ltd.<br>- <b>Mr Varun Deshpande</b> , Managing Director, The Good Food Institute India<br>- <b>Mr Aditya Ravi</b> , General Manager, Marketing, Laurus Bio |
| 1500 - 1515 | <b>TEA BREAK</b>   |  |
| 1515 - 1615 | <b>Biotech Startups : "Current Landscape and Opportunities"</b><br><b>Moderator:</b><br>- <b>Dr Anand Anandkumar</b> , Hon Vice President, ABLE and Co-Founder and CEO, Bugworks Research India Private Limited<br><b>Speakers:</b><br><b>Part 1:</b><br>- <b>Dr Taslimarif Saiyed</b> , CEO and Director, Centre for Cellular and Molecular Platforms (C-CAMP)<br>- <b>Dr Jitendra Kumar</b> , Managing Director, Bangalore Bioinnovation Centre (BBC)<br>- <b>Dr Mrutyunjay Suar</b> , CEO, KIIT-TBI, DG R&D, KIIT University<br><b>Part 2:</b><br>- <b>Dr Manish Diwan</b> , Head-Strategy Partnership & Entrepreneurship Development. BIRAC, Department of Biotechnology, Govt. of India<br>- <b>Dr Kavitha Iyer Rodrigues</b> , CEO, Zumutor Biologics Inc<br>- <b>Mr Ranjith Menon</b> , Managing Director, Chiratae Ventures India Advisors<br>- <b>Ms Tejasvi Ravi</b> , Principal, Lightrock<br>- <b>Dr Aditya Kulkarni</b> , Founder and Chief Scientific Officer, Avammune Therapeutics | <b>BioAgri: "Technological Support to farmers to double their income"</b><br><b>Moderator:</b><br>- <b>Dr K K Narayanan</b> , Member, ABLE Council of Presidents and Director, AgriGenome Labs<br><b>Speakers:</b><br>- <b>Dr C L Laxmipathi Gowda</b> , ex-DDG ICRISAT & Co-founder, GRSV Consulting Services<br>- <b>Dr D J Bagyaraj</b> , NASI Hon. Scientist & Chairman, CNBRCD  |
|             | <b>Venue: Trinity Hall 1 - Session 03:</b>   |  |
| 1620 - 1700 | <b>Special Round Table on Regulatory issues, Biodiversity Act and Food Safety</b><br><b>Moderator:</b><br>- <b>Mr Ravi Bhola</b> , Hon. General Secretary, ABLE and Patent Chair, K&S Partners<br><b>Speakers:</b><br>- <b>Dr Nitin K Jain</b> , Member Secretary RCGM, DBT<br>- <b>Dr S R Rao</b> , Vice President, Sri Balaji Vidyapeeth University & Co-founder, APAR<br>- <b>Dr Satish Kulkarni</b> , Former Head, ICAR-NDRI and Consultant, Dairy and Food Industries<br>- <b>Ms Neha Srivastava</b> , Partner, Remfry & Sagar  |  |
| 1700 - 1715 | <b>Concluding Remarks</b>  |  |
| 1730 - 1930 | <b>Networking Cocktail @ Tamara Lawn, 1st floor</b>  |  |



Dept. of Electronics, IT, Bt and S&T

"Karnataka Innovation and Technology Society (KITS) helps the Department of Information Technology and Biotechnology in facilitating and promoting the Information Technology and Biotech sectors in the state. KITS acts as a synergic liaison between Industry and Government, providing secretarial services to the State IT and BT projects, making it the linchpin for providing all basic information that facilitates the establishment of IT & BT Industries in the State. It is the nodal agency for implementing the decisions of the Vision Group on IT and the Vision Group on BT.

KITS also focuses on tapping Karnataka's large IT talent pool, functioning as a key driver for augmenting foreign investments and collaborations, to enhance skill development, mutual industry facilitation and encourage startups and MSMEs."

[itbtst.karnataka.gov.in](http://itbtst.karnataka.gov.in)  
[www.missionstartupkarnataka.org](http://www.missionstartupkarnataka.org)



**Biocon Limited** is an innovation-led, global biopharmaceuticals company committed to enhance affordable access to complex therapies for chronic conditions. It has developed and commercialized novel biologics, biosimilars, and complex small molecule APIs in India and several key global markets, as well as generic formulations in the U.S. and Europe. **Biocon Biologics Limited**, a subsidiary of Biocon, is a fully integrated global biosimilars organization with a strong pipeline of 'in market' and 'in development' biosimilar molecules across diabetes, oncology, immunology and other non-communicable diseases. **Syngene International**, Biocon's publicly listed discovery, development and manufacturing services subsidiary, provides integrated scientific services to life sciences companies around the world.

[www.biocon.com](http://www.biocon.com)



"Novozymes started operations in India in 1983 and is the largest supplier of industrial enzymes and microorganisms in the region today. Under Local leadership the region's operations has now expanded to include Sri Lanka, Bangladesh, Nepal and Bhutan.

With over 600+ employees, Novozymes India has grown into an organization spread across three key functions in Bangalore covering manufacturing, business functions and a shared service center. Some of the key business areas for Novozymes India are household care, textiles, food & beverages, oils & fats, baking, beverage alcohol, Bio-agriculture and Bioenergy.

To cater to growing India and South-East Asia markets, Novozymes also obtained a long-term lease in the Patalganga industrial area near Mumbai on India's west coast to establish a new enzyme production and supply chain facility.

Novozymes believes in working in close partnership with our customers and the global community to find biological answers for better lives in a growing world."

[www.novozymes.com](http://www.novozymes.com)



Praj, India's most accomplished industrial biotechnology company is focused on the environment, energy, and agri-process industry. Bio-Mobility™ and Bio-Prism™ are the mainstays of Praj's contribution to global Bioeconomy. Bio-Mobility™ platform of technologies envisages utilization of bio-based resources for production of low carbon transportation fuels across all modes of mobility. Bio-Prism™ portfolio comprises of technologies for production of renewable chemicals and materials. Praj Matrix, the state-of-the-art R&D facility, forms the backbone for the company's endeavours.

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



"Headquartered in the USA with subsidiaries in India and Australia. We have discovered novel dual target acting microbial agents now in clinical trials. Over the years, we have diversified our expertise in the areas of cancer biology and immunology. Bugworks is developing novel class of broad-spectrum antibacterial agents and immunotherapies to treat patients with critical care needs in infection and cancer."

[www.bugworksresearch.com](http://www.bugworksresearch.com)



*Remfry & Sagar*

"Established in 1827, Remfry & Sagar has pioneered IP law in India. Its dynamic team of 110+ professionals and 160 professional staff offers services across the full spectrum of intellectual property law with equal competence in prosecution and litigation. 8000 clients drawn from diverse industries across 70 countries are testimony to its leading capabilities.

The Firm has strong expertise in the Indian subcontinent that is complemented by its close links with associates across geographies. This facilitates easy fulfillment of a client's global IP needs. Also, the Firm's continual engagement with policy makers ensures seamless IP solutions for clients and contribution towards a larger change to India's IP milieu.

Remfry & Sagar's principal office is in Gurgaon with branch offices in Chennai, Bengaluru and Mumbai."

[www.remfry.com](http://www.remfry.com)



Basel Area Business & Innovation is the investment and innovation promotion agency dedicated to helping companies, institutions and startups find business success in the Basel Area. The organization targets and attracts companies to settle, supports founders of innovative ventures, and drives high growth initiatives in order to establish the region as the Swiss business and innovation hub of the future. The non-profit agency focuses on growing the area's cutting-edge industries life sciences, healthcare and production technologies and manages the Switzerland Innovation Park Basel Area, which houses the organization's accelerator programs. The agency serves the cantons of Basel-Landschaft, Basel-Stadt and Jura.

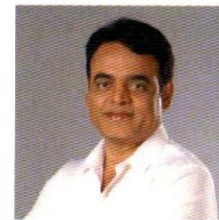
[www.baselarea.swiss](http://www.baselarea.swiss)



"Tamilnadu Industrial Development Corporation Limited (TIDCO) in association with TIDEL Park Limited had developed TICEL Bio Park Limited (TICEL) for providing infrastructure facility for Biotechnology / Pharmaceutical Research & Development activities at Chennai and Coimbatore.

TICEL Phase I comprises of 1.42 lacs sq.ft of built up space developed at a cost of Rs.54.00 crore, which is operational from 2004. Subsequently, TICEL developed Phase II with 6.49lacs sq.ft of built up space at a cost of Rs. 168.00 crore which is operational from 2015. After deploying Phase I and Phase II, the Government of Tamilnadu has created similar ecosystem in Coimbatore at TICEL Phase III comprises of 2.29 lacs sqft built up space developed at a cost of Rs. 85 Crores which was inaugurated on 16th February, 2021."

[www.ticelbiopark.com](http://www.ticelbiopark.com)



**Dr C N Ashwath Narayan**  
Minister of Higher Education,  
IT, BT and S&T  
Government of Karnataka

Dr C N Ashwath Narayan is an Indian politician who is the current Minister of Information Technology - Biotechnology, Higher Education, Science and Technology of Karnataka from 20 August 2019. He additionally Minister of Skill development and Entrepreneurship & Livelihood of Karnataka from 10 February 2020. He served as the 8th Deputy Chief Minister of Karnataka from 20 August 2019 to 26 July 2021. He is a Member of Karnataka Legislative Assembly representing the Bharatiya Janata Party (BJP) from the Malleshwaram constituency.



**Prof. K Vijay Raghavan**  
Principal Scientific Adviser  
Government of India

Prof K. VijayRaghavan is a distinguished professor in the field of developmental genetics and former director of the National Centre of Biological Sciences. His fields of specialization are developmental biology, genetics, and neurogenetics.



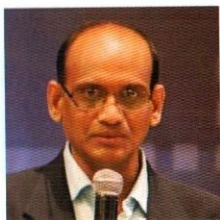
**Dr Kiran Mazumdar-Shaw**  
Hon. Non Executive  
Chairman ABLE  
Executive Chairperson,  
Biocon & Biocon Biologics

Dr Kiran Mazumdar-Shaw is a first-generation entrepreneur and global business leader with over 4 decades of experience in biotechnology. Fueled by her passion, she started her biotech journey in 1978 from her garage in India. Today, that journey is changing lives for the better across the globe. She is regarded as an unconventional thinker with many firsts to her credit. Under her aegis, Biocon delivers on the promise of making medicines accessible and affordable to millions of patients worldwide.



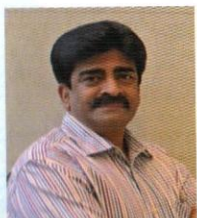
**Dr Rajesh Gokhale**  
Secretary, Department  
of Biotechnology  
Government of India

Dr Rajesh Gokhale is the Secretary at Department of Biotechnology in the Ministry of Science & Technology, Government of India. He is presently on deputation from Indian Institute of Science Education & Research IISER Pune. Prior to this, he was at National Institute of Immunology NII and was also Director of CSIR-Institute of Genomics and Integrative Biology CSIR-IGIB for seven-and-half years. Gokhale is known for his studies on the metabolic diversity of pathogens. He is credited with the discovery of a family of Long-chain Fatty acyl-AMP ligases (FAAL) and his studies assisted in the elucidation of biochemical crosstalk between fatty acid synthases and polyketide synthases in Mycobacterium tuberculosis.



**Dr E V Ramana Reddy, IAS**  
ACS  
Government of Karnataka

Dr. E.V. Ramana Reddy, IAS is one of the senior most bureaucrats in Karnataka. He has 30 years of experience across diverse portfolios such as Agriculture, Revenue Administration, Commerce & Industries, Rural Development & Panchayat Raj, Education, Health & Family Welfare, Information Technology & Biotechnology, Space applications, Personnel & General Administration, and Housing.



**Mr G S Krishnan**  
President, ABLE  
Director Stakeholder  
Relations, Novozymes

Experienced thought-leader in the Industrial Bio-tech Segment propagating Sustainable solutions across the SAARC countries with Global market exposure. He has In-depth knowledge and vast experience in overall Strategy and General Management capabilities in a Multinational environment, with a total tenure spanning 35 years. After a 27year tenure at a Danish Biotech company, Novozymes South Asia Pvt. Ltd, majority of the role as Managing Director and Regional President, is now engaged as Independent Director, Advisor/Consultant, and Leadership Mentor across the Industrial segments.

## Highlights of Bioclusters



**Smt. Meena Nagaraj C N, IAS**  
Director IT & BT  
Department of IT,  
BT and S&T,  
Government of Karnataka  
& MD, KITS

Smt Meena Nagaraj C.N (IAS officer) is an Director, Electronics, IT, BT and MD-KITS, she is spearheading the implementation of various schemes and programs of the Department in the sectors of Information Technology, Biotechnology, Electronics, Animation & Gaming and Startups. She is ex-officio Managing Director of Karnataka Innovation and Technology Society (KITS). KITS is the implementing arm of Department working for the promotion of IT/ITES/ESDM/ Startup/BT/AVGC Sector in the state of Karnataka. She earned Bachelor's degree, in Psychology, Economics, Sociology from Bangalore University and Master's degree, in Psychology from Mysore University.



**Ms Krishna Bhatia**  
Chief Representative - India  
Basel Area Business &  
Innovation

Entrepreneur and an accomplished industry expert, Krishna has diversified international experience in New Business Development, Start-Up and Strategy Consulting, especially market entry strategies for Indian and European markets. She is also specialized in supporting European SMEs gain access to India and helping Indian companies invest in the West. Krishna is a statistics graduate from Delhi University and completed her master in business administration from the University of Goa.



**Dr Mrutyunjay Suar**  
CEO  
KIIT-TBI, DG R&D,  
KIIT University

Dr. Suar is a PhD in Molecular Microbiology from University of Delhi and Postdoc at ETH Zurich from 2004-2007 and in June 2007 he joined KIIT University and established School of Biotechnology. He also established KIIT Technology Business Incubator (KIIT-TBI) in 2009 as the CEO, nurturing 200+companies in the area of engineering, Energy, biotechnology and allied areas. KIIT-TBI has been generously supported by various Government of India agencies such as DST, BIRAC of DBT, TDB, MeITy, MSME, and many more public and private agencies. KIIT-TBI has created more than 1600 jobs through its startup activities. Recently KIIT-TBI has been awarded as Centre of Excellence by DST, Govt of India in the area of Digital Health & Precision Agriculture.

## Wishlist by ABLE



**Dr P M Murali**

President-ABLE Council  
of Presidents  
Chairman-Golden Jubilee  
Biotech Park and  
CMD-Jananom Pvt Ltd

Dr P M Murali is a serial entrepreneur for more than two decades with many first of its kind products and innovations in many areas of biotechnology; Built pioneering IT green field projects. He was as part of a Venture capital organization to evaluate prospective technologies for commercialization. He has Nurtured & built the entire Indian arm of \$100 M Swiss biotech company India's first pioneering public-private partnership to setup country's first Genetic Chemistry Laboratory inside a premier CSIR campus - "Indian Institute of Chemical Technology". He has also Built the R & D subsidiary for the \$ 250 M Indian FMCG group Pioneer in the world to conduct full fledged clinical trials (all 4 phases) with polyherbal formulations for 7 disease indications over two decades.

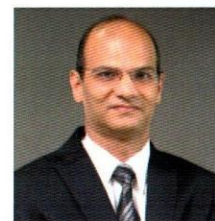
## BioPharma: "The Next Decade"



**Dr Vijay Chandru**

Member, Council  
of Presidents  
CMD, Strand Life Sciences

Dr. Vijay Chandru (Ph.D., MIT 1982) is an academic entrepreneur recognized as a 'Technology Pioneer' by the World Economic Forum in 2006. Chandru is the recipient of several awards and honors: Fellow of Indian Academy of Sciences (1996), MCIT Dewang Mehta Award for Innovation in IT (2001), UGC Hari Om Trust award for "Science and Society" (2003), the President's Medal of INFORMS in 2006, distinguished Alumni award by the MIT India Program in 2007, and was recognized as the Biospectrum Biotech Entrepreneur of 2007. Chandru was the elected Honorary President (2009-2012) of ABLE. Chandru also serves as an advisor to the Karnataka State Council on Science & Technology and on the Atal Innovation Mission at the National Institution for Transforming India (NITI AAYOG) in New Delhi.



**Dr Mahesh Bhalgat**

Chief Operating Officer  
Syngene International Limited

Mahesh holds a Ph.D. in Medicinal Chemistry from the University of Utah, the USA, and a bachelor's degree in Pharmacy from the University of Mumbai. He has 30 years of experience in the biopharmaceutical, vaccine and pharma industries. Mahesh has worked and led different facets of R&D, analytical development, manufacturing and operations, technology transfer, regulatory sciences, quality and capital projects. During a 20-year US stint, he worked with Amgen, Monsanto, Celera Genomics and Molecular Probes (now Thermo Fisher). After moving to India, Mahesh was part of the team that brought WHO prequalification approvals for four vaccines in Biological E. Just before joining Syngene, he was the Chief Operating Officer at Shantha Biotechnics, a Sanofi company. Mahesh is a member of the CII National Committee on Technology, R&D and Innovation.

## Industrial Biotech : "New Innovations and emerging opportunities"



**Mr Krishna Mohan Puvvada**

Regional President  
Novozymes South Asia Pvt Ltd

Krishna Mohan comes with 25+ years of experience, He is currently the Regional President for Novozymes South Asia. He has strong experience in the fields of sales & Marketing , has deep insights of the markets of Asia Pacific, Africa, Middle East and South Asia.





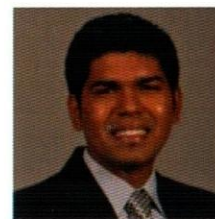
**Dr Pramod Kumbhar**  
President and CTO  
Praj Matrix - R&D Center  
Praj industries Ltd.

Dr Pramod is Ph.D. in Chemical Engineering from Institute of Chemical Technology (formerly UDCT), Mumbai. Working with Praj Industries, as President and Chief Technology Officer for last 10 years at Praj Matrix - R&D center leading 90+ scientists and engineers and Focused on driving innovations in biotechnology to make biofuels and bio chemicals. He received UAA-ICT Distinguished alumnus award (Research) for 2020 from UDCT Alumni Association and Institute of Chemical Technology, Mumbai. He also received the VASVIK Award for 2020 in chemical Science and Technology and the Green Chemistry award from IGCW 2019. He is a Fellow of Maharashtra academy of sciences and has received the ICI process development award from Indian Institute of Chemical Engineers. He has 30+ International patents and publications in scientific journals and has received Bronze and silver medals from GE for patent filings.



**Mr Varun Deshpande**  
Managing Director  
The Good Food Institute India

Varun Deshpande is Managing Director at the Good Food Institute Asia, where he works with scientists, foundations, governments, and businesses to build the alternative protein sector across the continent. He has been named a leading young voice for climate solutions by India Climate Collaborative, one of Asia's Most Influential Tastemakers by Tatler Asia, and one of India's 25 Most Influential Young Citizens by GQ. Varun has spoken all over the world ranging from the Indian Institutes of Technology to Harvard University, and his writing has featured in media including The Hindu, FirstPost, and The Daily Guardian.



**Mr Aditya Ravi**  
General Manager, Marketing  
Laurus Bio

Aditya leads business development and marketing at Laurus Bio. His experience spans across strategic marketing, business development and commercializing products and services across multiple geographies for life-science and healthcare companies. Previously, he worked at Becton Dickinson and Company (BD) in New Jersey and France. He is a graduate of IIT Madras and an MBA from Duke University.

### Biotech Startups : "Current Landscape and Opportunities"

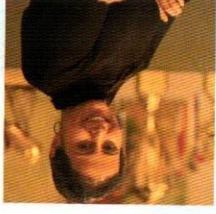


**Dr Anand Anandkumar**  
Hon Vice President, ABLE  
and Co-Founder and CEO,  
Bugworks Research  
India Private Limited

Anand was previously CMD at Cellworks Research India Pvt. Ltd, a company that pioneered the use of Systems biology and semiconductor technologies in creating Directed therapies in Cancer-care. Prior to Cellworks, Anand was the co-founding Managing Director of the India operation of SpinCircuit (acquired by Cadence, 2003) and Magma Design Automation (acquired by Synopsys, 2011). He has management, operations, and business development experience in the US, Europe, China and India regions. He is a member of Eta-Kappa-Nu and Tau-Beta-Pi International Engineering honors societies and is the co-inventor on patents ranging from Satellite communication, Pharmaceuticals to Clean Energy. He is co-founder of India Semiconductor Association (IESA), co-founder of EVA, a healthcare Accelerator, ex-General secretary of ABLE, member of Indo-American Chamber of Commerce, and a Charter member of TiE Bangalore.

Kavitha has been in the space of Biotech for 20 years. She has an MS in Clinical Microbiology from KMC Manipal and an MBA from IIM, Bangalore. She has worked across larger biopharma's like Biocan, Millipore before her first start-up Inbiopro. Inbiopro was in the space of Biosimilar development, VC funded in 2007 and was sold in 2012 To Strides with a compelling pipeline of Mabs and Microbial products. In 2013 she founded Zumutor which has 5 major VC's participating in value creation in the niche space of immuno-oncology.

**Dr Kavitha Iyer Rodrigues**  
CEO  
Zumutor Biologics Inc



Biotechnology Industry Research Assistance Council (BIRAC - a Public Sector Undertaking of Department of Biotechnology (DBT), Ministry of Science & Technology, Govt. of India) Leading large national programs for Government of India's efforts to nurture and empower the Biotech Innovation Ecosystem in India. Sectoral lead for National Missions especially startup India, Make in India; contributes to Policy Reforms; Strategic Entrepreneurship Development, including international & Make in India Facilitation partners; serves on National committees and Advisory Boards. Leads national flagship schemes and programs of BIRAC promoting Startups, Entrepreneurs and Industry. Manages Risk Funding through Grant-in-aid, Equity, co investments by Angels, VCs, AIFs (Fund of funds); setting up Incubation Centres for capacity building; Human Resource development through integrating a large partner pool of mentors, experts, peers and industry associations. Being a central enabler representative, contributes in Ecosystem gap identification and finding solutions. A few policy initiatives include establishment of the Technology Clusters with pilot and manufacturing facilities for startups, Field validation for startup solutions, Access to Regulatory guidance, Scaling and Global integration through a strategic network of national and international partnerships.



**Dr Manish Diwan,**  
Head - Strategic Partnership & Entrepreneurship Development, Cell for Biotech sector, BIRAC, Department of Biotechnology, Govt. of India

Dr Kumar was the Vice-President of Life Science Incubator at IKP Knowledge Park, Hyderabad where he was involved in actively mentoring incubatee companies, creating pipeline of entrepreneurs through innovative models of team building around the technologies, working with public R&D laboratories and Universities to create entrepreneurial models of commercialization. He brought many Government Grants and created a world class center for translational research in Life Sciences at IKP Knowledge Park. As the Director & Head of BBC his current focus is on incubating innovations in Agriculture, Food and Nutrition, Biofuel/Bio-energy and Pharma/Healthcare. He is working closely with KBITS to create a vibrant Life Sciences innovation cluster in Bangalore.



**Dr Jitendra Kumar**  
Managing Director  
Bangalore Bioinnovation Centre (BBC)

Dr. Saiyed's initial training has been in neurosciences, where he received his PhD from Max-Planck Institute for Brain Research, Germany and followed it up by postdoctoral training at University of California San Francisco (UCSF). At the same time, he also underwent training in management for Biotech and innovation from QB3 at UCSC, UC Berkeley and UC Davis. In the bay area, he also served as a Management Consultant with QB3 New Biotech Venture Consulting and in an individual capacity, he also consulted for many biotech firms in the US. Dr. Saiyed is also an Adjunct Faculty at Amrita Institute - School of Biotechnology and working on Neurodegeneration. He also heads the Discovery to Innovation Accelerator program at C-CAMP. He is actively involved in promoting innovation in life science / healthcare by supporting translation of discoveries to application, entrepreneurship and technology development.



**Dr Taslimarifi Saiyed**  
CEO and Director  
Centre for Cellular and Molecular Platforms (C-CAMP)



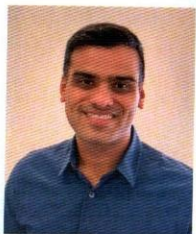
**Mr Ranjith Menon**  
Managing Director  
Chiratae Ventures India  
Advisors

Ranjith Menon a Partner and Managing Director at Chiratae Ventures. His focus is on early stage investments in the Health-tech and online B2B domains. He have been investing into technology start-ups in India since 2007, and has have been part of many Chiratae portfolio companies like Myntra (acquired by Flipkart), Fintellix (acquired by Verisk), etc. He is currently working with Uniphore, Bizongo, Zumutor BIOLOGICS, , Axio Biosolutions, Onco.com among others. Prior to joining Chiratae Ventures, he spent a few years designing aircraft engines components for Pratt & Whitney and aero structural components for Airbus.



**Ms Tejasvi Ravi**  
Principal  
Lightrock

Tejasvi Ravi is a Principal at Lightrock. She has over a decade of experience in healthcare working in strategy, operations and investing across various segments of healthcare including providers, pharmaceuticals, med tech and policy. She is currently a Fellow with the Lancet Commission on Reimagining Healthcare for India. Prior to this she led the CEO's office at Medanta Hospital where she was responsible for projects across operations, new hospital launch and strategy. She was a Senior Manager with Bain and company, India as part of their healthcare practice. Tejasvi has a Post Graduate Diploma in Management from IIM Bangalore and a Bachelor in Commerce from Stella Maris, Madras University.



**Dr Aditya Kulkarni**  
Founder and Chief  
Scientific Officer  
Avammune Therapeutics

Aditya is the Founder-CSO at Avammune Therapeutics. He previously co-founded Oraxion Therapeutics, R&D companies focused on drug discovery. His work has been featured in C&En News (2012), The Economic Times (2017), Bangalore Times (2018) and Forbes India (2018). Aditya is the inventor of Oraxion's technology platform that was eventually licensed to a US based biotech company for \$125 MM. He has co-authored >20 peer-reviewed papers and filed several international patents in the areas of nucleic acid delivery, rare disease therapeutics, and drug discovery for oncology and metabolic diseases. Aditya has been a recipient of scholarships/fellowships during his Masters and PhD and was also awarded the H. C. Brown Award for Outstanding Organic Research at Purdue University in June 2012. Aditya has a PhD in Bioorganic Chemistry from Purdue University (USA), MS in Chemical Biology from Leeds University (UK), and B.Sc in Chemistry from Christ University (India).

## "BioAgri: "Technological Support to farmers to double their income"



**Dr K K Narayanan**  
Member, ABLE Council  
of Presidents  
Director, AgriGenome Labs

Dr. K. K. Narayanan is an academican turned entrepreneur, who is trained as a plant breeder and molecular biologist. He graduated with a Ph.D. in Plant Breeding and Genetics from the Tamil Nadu Agricultural University at Coimbatore, India. He later on carried out post-doctoral research at the Department of Biological Sciences, Stanford University under a Rockefeller Foundation Fellowship. Narayanan has been a member of several committees and advisory bodies including several Task Forces and Working Groups of the DBT, Government of India. He is a member of the "Vision Group" on Biotechnology set up by the State Government of Karnataka. He has been a member of the Executive Council of the Association of Biotechnology Led Enterprises (ABLE), an association of the Indian Biotechnology Industry, and is one of its past-Presidents. Narayanan is involved with several Government initiatives that promote entrepreneurship and mentors several start-up companies. He is also on Board of some leading companies engaged in the use of modern technologies for crop and animal improvement. In addition to all these, he is also involved with some social and community development projects that leverage agricultural technologies to improve rural incomes and livelihood security.



**Dr C L Laxmipathi Gowda**  
ex-DDG ICRISAT  
Co-founder,  
GRSV Consulting Services

Recognizing his contributions made in the field of agricultural science, wellknown agricultural scientist and former Deputy Director General - Research of the International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Dr C L Laxmipathi Gowda received two Fellowships from prestigious agricultural research bodies in 2015. Dr Gowda was conferred the Fellowship of American Society of Agronomy (ASA) during its 2015 Annual Meeting held in Minneapolis, USA. ASA is a progressive international scientific society that fosters the transfer of knowledge and practices to sustain global agriculture dedicated to advancing the field of agronomy in relation to soils, crop production, environmental quality, ecosystem sustainability, bioremediation, waste management, recycling, and wise land use.



**Dr D J Bagyaraj**  
NASI Hon. Scientist  
Chairman, CNBRCD

Dr Bagyaraj earned his BSc (Agri) from Mysore University, MSc (Agri) from Karnatak University, Dharwad and PhD from the University of Agricultural Sciences, Bangalore. Dr Bagyaraj received several awards and honours that include: Shome Memorial Award (1996); SR Vyas Memorial Award (1998); the Distinguished Alumni Award of the University of Agricultural Sciences, Bangalore (2001); Life Time Achievement Award (2004); and Rangaswami Memorial Award (2005); Prof. T.S. Sadasivan Lecture Award of INSA for outstanding contributions in Plant Sciences (2009); Dr. V Agnihotrudu Memorial Lecture Award of MSI for outstanding contributions in Mycology (2011); Life Time Achievement Award in Mycology & Plant Pathology at BHU (2012); Dr. R. Y. Roy Memorial Lecture Award (2012). Prof. K. Natara-jan Memorial Award from Mycological Society of India (2014). Invited to contribute for the Global Atlas on Soil Biodiversity by European Commission (2015); Member of FAO initiative on Global Soil Partnership (2014-continuing). He is a Fellow of the National Academy of Sciences (India), Allahabad; National Academy of Agricultural Sciences, New Delhi and National Academy of Biological Sciences, Chennai; The Society of Agricultural Biotechnologists.

### "Special Round Table on Regulatory issues, Biodiversity Act and Food Safety



**Mr Ravi Bhola**  
Hon. General Secretary, ABLE  
Patent Chair, K&S Partners

Ravi Bhola is practicing Patents Law for over 20 years. He has handled filing and prosecution of a few thousand patent applications for his clients across the world. These applications are in diverse areas of technology including biotechnology, bioinformatics, software, nanotechnology, pharmaceuticals and stem cells. Ravi regularly renders opinions on issues ranging from licensing, Oppositions, due diligence, IP portfolio building strategy, negotiations and enforcement of patent rights. Ravi specialized in the area of Intellectual Property Rights from the Indian Law Institute, New Delhi. Subsequently, he earned a Bachelor's degree in Law from the University of Delhi and was admitted to the bar. He works very closely with several start-ups and spin-offs, coming out from academic institutions as well as from large corporations.



**Dr Nitin K Jain,**  
Member Secretary RCGM, DBT

Dr. Nitin Kumar Jain is Secretary, The Review Committee on Genetic Manipulation (RCGM), under Department of Biotechnology (DBT). This committee is responsible for regulatory and biosafety matters involving genetically engineered organisms.



**Dr S R Rao**  
Vice President, Sri Balaji  
Vidyapeeth University  
Co-founder, APAR

Dr. S.R. Rao, Ph.D., IARI, New Delhi and was Visiting Scientist in Tottori University, Japan and Waite experimental station, Adelaide Government of Australia. He joined the Department of Biotechnology, Ministry of Science and technology Government of India in 1989 and progressed to become Senior Advisor (Scientist H/Additional Secretary) to Government of India. Currently, he is Vice President of Sri Balaji Vidyapeeth University in Pondicherry promoting cutting edge research, innovation and Interdisciplinary development. . He has visited more than 50 countries on scientific and official matters and made about 100 scientific and technical presentations in cutting edge area of biological sciences and applications in various national and international conferences.



**Dr Satish Kulkarni**

Former Head  
ICAR-NDRI and Consultant,  
Dairy and Food Industries

Dr. Satish Kulkarni obtained his Dairy diploma and Doctoral degree in Dairy Technology from the National Dairy Research Institute, Karnal/Bangalore. He carried out post-doctoral research in Germany for 3 years. As a scientist, he has guided several students in their master's and Doctoral levels. He was awarded four times by the ICAR for team research and the Best Teachers award in the year 2008. He has served as the Head of NDRI, Bangalore from 2008 to 2015. He has served as an expert panel member of FSSAI for 3 terms and was also Chairman of the Food Labelling and Display Panel. Currently, he is a practicing Advocate in Food law and is also a Food regulatory consultant. He is the founder partner of Dairy Skills & Food Quality Academy and Legalwrx Business Solutions, Bangalore. He has served as President of AFSTI, Mysore, and is currently the Vice President at Indian Dairy Association, New Delhi.



**Ms Neha Srivastava**

Partner  
Remfry & Sagar

Neha is a seasoned patent attorney. A Partner at the firm, she is the lead person at the firm's Bengaluru office. She has over 15 years of experience in representing patent matters for leading companies, and regularly counsel clients on IP strategy and portfolio management. Her practice focuses on patent prosecution, searches, oppositions, providing opinion on patentability/ invalidity and biodiversity related issues. Her long and varied experiences equip her with the ability to provide solution centric advice tailored to the commercial goals of clients. She is a frequent speaker on patent issues, and has authored several articles on patent law and practice- published in leading newsletters and intellectual property magazines.



ABLE-Association of Biotechnology Led Enterprises is a not-for-profit pan-India forum that represents the Indian Biotechnology Sector. It was launched in April 2003, after industry leaders felt a need to form an exclusive forum to represent the Indian Biotechnology Sector. ABLE is a founding member of the International Council of Biotechnology Association (ICBA).

ABLE has approx. 250 members representing all verticals of the sector like agribiotech, biopharma, industrial biotech, bioinformatics, investment banks, Venture Capital firms, leading research and academic institutes, law firms, equipment suppliers and students.

The primary focus of ABLE is to help accelerate the growth of the Biotechnology sector in India to attain 100 billion USD by 2025, through partnering with the Central and State Governments in their biotechnology initiatives to deliver optimal policies and create a positive regulatory environment, encouraging entrepreneurship and investment, providing a platform for domestic and overseas companies to explore collaboration and partnerships, forging stronger links between academia and industry and by showcasing the strengths of the Indian biotech sector.

ABLE thus catalyses a symbiotic interface between the industry, the government, academic and research institutes and domestic and international investors.

ABLE's objective is to work in consensus with all stake-holders, towards ensuring an effective, enabling and supportive environment for the Indian biotechnology sector to substantially contribute to India's economic and social growth by providing access to affordable healthcare, food and clean and sustainable energy.

ABLE uses a multi-pronged strategy to deliver its objectives that includes Advocacy, Promoting entrepreneurship, industry-Academia linkages, International outreach through showcasing Indian public and private biotech sectors and Organizations at International fora, among others.

For more information, please mail us at [info@ableindia.org.in](mailto:info@ableindia.org.in)

🌐 [www.ableindia.in](http://www.ableindia.in) 🐦 @able\_indiabio

# ABLE Association of Biotechnology Led Enterprises

*The collective face of the Indian Biotech Industry*



Streamlining the  
**REGULATORY  
PROCESS**



Recommending  
union **BUDGET** for  
biotech sector



Proposing fiscal  
**INCENTIVES** for  
Biotech Sector



Strengthening the  
**PR REGIME**



Recommending  
Venture  
**CAPITAL FUND**



Accelerating industry  
growth via  
**ADVOCACY**



Kindling & fostering  
the fire of  
**ENTREPRENEURSHIP**



Promoting linkage  
between  
**INDUSTRY-  
ACADEMIA**



Catalysing  
opportunities for  
**START-UPS & SMEs**



Facilitating  
partnership through  
**COLLABORATION**



Encouraging sector  
growth through  
**INVESTMENT**



Implementing  
member focused  
**INITIATIVES**

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