

# EVENT REPORT



Organiser  
Vision Group  
on  
Biotechnology

• Conference • Tradeshow • Partnering  
February 4 - 6, 2013 | The Lalit Ashok, Bangalore

# BANGALORE INDIA BIO 2013 - PROGRAMME AT A GLANCE

## DAY 1 - Monday, 4th February, 2013

09.30 am - 10.30 am | Inauguration of the Event

10.30 am - 11.30 am | Analysis of ABLE Report on Indian Biotechnology

11.30 am - 12.15 pm | Keynote Lecture

12.15 pm - 01.00 pm | Inauguration of the Exhibition & interaction with Exhibitors

01.00 pm - 02.00 pm | Lunch

02.00 pm - 03.00 pm | Distinguished Lecture

03.00 pm - 04.00 pm | Incubating Innovation

04.00 pm - 04.30 pm | Tea Break

04.30 pm - 06.00 pm | Fireside Chat on "India's Challenges in being the preferred Global Biotech Hub"

06.30 pm onwards | CEO Conclave

Theme: "Can India become a 100 Billion Dollar Biotech Hub by 2025"

## DAY 2 - Tuesday, 5th February, 2013

10.00 am - 10.40 am | Highlight Lecture

10.40 am - 11.00 am | Tea Break

11.00 am - 11.40 am | Highlight Lecture

11.45 am - 01.00 pm | Round Table on "Biosimilar Guidelines for Development of Safe, Affordable and Efficacious Biosimilars for the world"

01.00 pm - 02.00 pm | Lunch

### REGENERATIVE MEDICINE

02.00 pm - 03.00 pm | The Promises and challenges of Regenerative Medicine

03.00 pm - 04.30 pm | Regenerative Medicine Technologies that are enabling Novel Therapies

### MOLECULAR BIOTECHNOLOGY & BIO INFORMATICS

02.00 pm - 03.00 pm | Showcasing Bio IT - Leveraging IT Power to make affordable medicines

03.00 pm - 04.30 pm | Advances and Opportunities in Bioinformatics

04.30 pm - 05.00 pm | Tea Break

### INTERNATIONAL BIO - COLLABORATIONS

05.00 pm - 06.30 pm | Georgia State, USA; Driving USA - India Collaboration, Focus Vaccines

05.00 pm - 06.30 pm  
Synthetic Biology

07.00 pm onwards | Awards Function

## DAY 3 - Wednesday, 6th February, 2013

10.00 am - 11.00 am | Plenary Session on AgriBiotechnology to herald India's second Green Revolution

11.00 am - 12.00 noon | Highlight Lectures

12.00 noon - 12.30 pm | Tea Break

### CLINICAL RESEARCH

12.30 pm - 01.30 pm | Developing India into a Global Clinical Research Hub

### BIOFUELS & BIOREMEDIATION

12.30 pm - 01.30 pm | Bioremediation & Waste Management - Biotech for Cleaner Cities

01.30 pm - 02.30 pm | Lunch

02.30 pm - 03.30 pm  
Achieving Operational Efficiency in Clinical Trials - GCP

03.30 pm - 04.30 pm  
Clinical & Translational Research for Targeted Therapies

02.30 pm - 04.30 pm  
Workshop: Theme - "Bio-preneurship: Journeys, learnings and policy implications in the Indian context"  
By NSRCEL - IIM, Bangalore

02.30 pm - 04.00 pm  
Innovation & Commercialization in Biofuels & BioEnergy in India

04.30 pm onwards | BioQuiz



The 13th edition of **Bangalore INDIA BIO**, India's biggest biotech show held from **February 4-6, 2013 at The Lalit Ashok, Bangalore**, concluded on a high note. The 3-days brought together global leaders from the life sciences sector for a comprehensive overview of this rapidly changing industry envisaging **India as a USD 100 Billion Biotech Hub**.

The event was organized by the **Department of Information Technology, Biotechnology and Science & Technology, Government of Karnataka; Karnataka's Vision Group on Biotechnology and MM Activ Sci-Tech Communications**.

**Biotech for a Better Tomorrow** was the focal theme of Bangalore INDIA BIO 2013 and consisted of Multi-track Conference, International Tradeshow, Bio Partnering, CEO Conclave, Bio Excellence Awards, Bio Quiz, Poster Session, Workshop and Vision Talks addressed by industry stalwarts.

### Inauguration Function

The Key Dignitaries at the inauguration included, **Mr. Jagadish Shettar**, Hon'ble Chief Minister of Karnataka; **Dr. Kiran Mazumdar Shaw**, Chairperson, Karnataka Vision Group on Biotechnology; CMD, Biocon Limited; **Prof. K. VijayRaghavan**, Secretary, Department



of Biotechnology, Ministry of Science & Technology, Government of India; **Mr. S.V. Ranganath**, IAS, Chief Secretary of Karnataka; **Mr. David Flores**, Co-Founder, President & CEO, BioCentury, USA; **Ms. Anne MacColl**, CEO, Scottish Development International, Scotland; **Mr. Mark Lytle**, Division Director, Georgia Centers of Innovation; Georgia Department of Economic Development, Atlanta, Georgia, USA and **Mr. I.S.N. Prasad**, IAS, Principal Secretary, Department of IT, Biotechnology and S&T, Government of Karnataka and **Mr. Jagdish Patankar**, Managing Director, MM Activ Sci-Tech Communications.

### Some of the Key Highlights of Bangalore INDIA BIO 2013:

Three Industry Reports were released on the occasion:

- (a) "**Indian Biotechnology: The roadmap to the Next Decade and beyond**" by ABLE
- (b) "**Opportunities for Fermentation Industry & Biotechnology**" by ABLE
- (c) **Report on "Funding Your Science Idea"** of Atharva Life Sciences Consulting

**Two prestigious MoUs** were signed between **KBITS (Government of Karnataka)** and **Scottish Development International (SDI)**, an international economic development arm of the Scottish Government and the other between **KBITS & Georgia Department of Economic Development, Georgia, USA**.



International Conference consisted of **22 Sessions** with **110 Speakers**, **878 Delegates** and over **500 Organizations** participated in the event.



### Tradeshaw

**100 Exhibitors** from various verticals of Life Sciences Industry like BioPharmaceuticals, BioSuppliers, BioInformatics, BioMedical Devices participated in the Exhibition & attracted over **3000** plus Business Visitors.

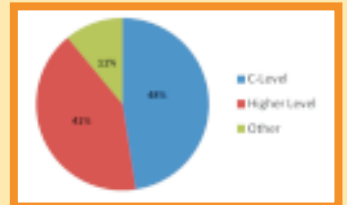
**8 Indian States** that participated in the Exhibition include Andhra Pradesh, Tamil Nadu, Uttar Pradesh, Maharashtra, Kerala, Haryana, Madhya Pradesh & Assam.

### wInterlinX - Partnering Tool

Bangalore INDIA BIO 2013 facilitated **372 B2B meetings** through the **Bio Partnering Tool - InterlinX**.

#### Key Highlights of InterlinX:

- **89%** of all meetings involved key decision makers
- **Delegates from Indian Companies participated in 91%** of all the meetings



**Bio Partnering & Business Conclave Brought to you by KBITS**

### International Participation at Bangalore INDIA BIO 2013

Year on year, Bangalore INDIA BIO is witnessing large international participation. This year was no exception with participation from more than **20 Countries** including Scotland, USA (Georgia), Canada (Alberta) & Australia (Victoria), Germany, UAE, France, UK, Spain, Israel, Mexico, Japan, Malaysia and Singapore and European & South East Asia countries.

**Strong Delegations from**



**Some of the Distinguished Speakers** at Bangalore INDIA BIO 2013 included **Prof. K. VijayRaghavan**, Secretary, Department of Biotechnology, Government of India; **Dr. Kiran Mazumdar Shaw**, CMD, Biocon Limited; **Prof. Charles french-Constant**, Director, Centre of Regenerative Medicine, University of Edinburgh, Scotland; **Dr. Karen Bernstein**, Co-Founder & Chairman, BioCentury, USA; **Prof. Anil K. Gupta**, Executive Vice Chairperson, National Innovation Foundation - India, Professor of Indian Institute of Management (IIMA); **Prof. David Koelle**, Professor of Medicine, Adjunct Professor, Global Health and Laboratory Medicine, University of Washington.

### Fireside Chat

The **Fireside Chat** introduced this year featured a high-profile discussion bringing together a strong line-up of Speakers from leading Life Sciences Companies like Bio Century-USA, Biocon & Novartis India to discuss **"India's challenges in being preferred as the Global Biotech Hub"**.



### Round Table

Bangalore INDIA BIO 2013 featured a Round Table on **"Biosimilar Guidelines for Development of Safe, Affordable and Efficacious Biosimilars for the World"**

The Round Table was Chaired & Moderated by **Dr. V.P. Kamboj** - Chairman, Biotech Consortium India Limited, Former Director, Central Drug Research Institute (CDRI) and the Panelists were **Dr. P.M. Murali** - President, ABLE; MD, Evolva Biotech; **Dr. Abhijit Barve** - President - R&D, Biocon Limited, **Dr. William Lee** - Head, Strategic Drug Development Asia, Quintiles East Asia Pte Ltd., Singapore and **Dr. Subir Kumar Basak** - President - Global Drug Discovery Services, Jubilant Life Sciences.





### CEO Conclave

**CEO Conclave** featured another high-profile panel with the heads of industry from Biocon, Strand Life Sciences, Sea6 Energy, AstraZeneca, Quintiles, IKP Knowledge Park, Pfizer and discussed on theme “**Can India become a 100 Billion Dollar Biotech Hub by 2025**”.



#### Key points discussed were:

- A strategic roadmap is required and for this, the capital based industries as well as the academics are required to come together.
- Innovation is the key to 100 Billion Dollar vision.
- Regulatory Support.
- International collaborations are absolutely critical.
- India too needs a comprehensive plan to surge ahead and knowledge deficit in drug discovery to be improved.
- Good quality of medical research and advancement in bioinformatics along with innovation is going to be the key.
- Collaboration and early learning's are important.
- Shortage of production capacity of biomass to be improved.

**CEO Conclave Lead Sponsor was Mayar Infrastructure Development Pvt. Ltd.**

### Awards Function

The prestigious **Bio-Excellence Awards** selected by ABLE in recognition of the contribution of eminent Biotech leaders for their outstanding achievements in the field of Science & Technology were bestowed to following deserving winners at Awards Function.

#### Bio-Excellence & Emerging Company of the Year Awards for the year 2013

Category	Bio-Excellence Award Winner	Emerging Company of the Year
BioPharma & Health Care	<b>Serum Institute of India Ltd.</b>	<b>Stempeutics Research Pvt. Ltd.</b>
AgriBiotechnology	<b>Metahelix Life Sciences Pvt. Ltd.</b>	None
BioServices	<b>Quintiles Research India Pvt. Ltd.</b>	<b>Anthem Biosciences Pvt. Ltd.</b>
BioIndustrial	<b>Praj Industries</b>	None
BioInformatics & Systems Biology	<b>Strand Life Sciences Pvt. Ltd.</b>	<b>Xcelris Labs</b>

#### Exhibitor Awards

Sl. No.	Company	Awards Name
1	Council of Scientific & Industrial Research	Overall Excellence
2	Eppendorf	Interactive & Best Managed
3	Guwahati Biotech Park	
4	Vivo Biotech Ltd.	BioContent & Information
5	Himedia Laboratories	
6	Indian Council of Medical Research (ICMR)	
7	Laurus Infosystems	Design & Innovation
8	Biocon Ltd.	
9	Centre for Development of Advanced Computing (C-DAC)	
10	Kubota Corporation	

**Indo-American Chamber of Commerce was the Awards Function Co-Sponsor**



## Workshop

An inspiring Workshop was conducted on “Entrepreneurial Opportunities in Biotech” by Nadathur S. Raghavan Centre for Entrepreneurial Learning (NSRCEL) - IIM, Bangalore on the theme "Bio-preneurship: Journeys, learnings and policy implications in the Indian context". A Panel Discussion followed the presentations. This was titled "Creating, shaping and scaling the biotech innovation ecosystem: Missing links".



## ENGAGEMENT WITH STUDENTS @ BANGALORE INDIA BIO 2013

### Poster Presentations

The **Poster Presentations**, wherein, young minds are given an opportunity to showcase their innovative ideas. Over 48 entries were received, of them 35 posters were selected. The winners are as follows:

Poster Session  
was Sponsored  
by KSTA

Award	Name	Title of Paper	Institute/University
1st Prize	Mr. G. Suhasa	Flap cloning and ODO cloning: A Novel, Simple, and Highly Efficient Method Of Ligation-Independent Directional Cloning Using Taq DNA Polymerase	B.M.S.College of Engineering, Bangalore
2nd Prize	Mr. Neeraj Kumar Garg	A Novel Anisamide Anchored Nanocarrier for Site Specific/ Targeted Delivery of Bioactive: A Preclinical Study	Panjab University
3rd Prize	Ms. Pavithra	'Value Addition Products From Glycerin To Generate Green Power	PES Institute of Technology
Special Recognition	Ms. Nisha G.J.	'Structure Based Rational Design of Novel Herbal Inhibitors Towards Multidrug Resistant Pathogenic Bacteria Present in River Cauvery	Dayanada Sagar College of Engineering
Special Recognition	Ms. Nidhi Malviya	'Preparation, Optimization and Evaluation of Solid Lipid Nanoparticles of Diclofenac diethylamine by Box-Behnken Statistical Design	Al-Ameen College of Pharmacy

### Jury Members to judge the Poster Session: Walkway of Discovery

**Dr. Seetharam Annadana** | Trade Development Lead & Vegetable R&D Management Lead South Asia Syngenta India, **Dr. B. V. Ravi Kumar** | Managing Director, Cyton Diagnostics Pvt. Ltd., **Dr. Sangeeta Naik** | Director, Cleanergis Bio Science Pvt. Ltd., **Dr. Divakar Rao** | Member - Vision Group on Biotechnology & CEO, DGK BioAgroFoods

### BioQuiz 2013

Preliminaries of state level ‘**BioQuiz 2013**’ was conducted across Karnataka wherein large number of students participated and the four finalists battled it out in the Grand Finale of ‘**BioQuiz 2013**’. The awards were presented by Former Indian cricketer **Mr. Anil Kumble** in the presence of **Mr. I.S.N. Prasad**, IAS & **Mr. Ravindra Bhandari**.



**Canara Bank was BioQuiz Lead Sponsor, VTU was BioQuiz Co-Sponsor and Syndicate Bank, Indian Overseas Bank also supported BioQuiz.**

College	Participants	City	Ranks	Prize Amount
R.V. College of Engineering	Arun Panchapakesan Vijay Ramesh	Bangalore	1	Rs. 75,000/- per team
St. Aloysius College	Gunjan Gupta Sulakshana K	Mangalore	2	Rs. 50,000/- per team
University of Agricultural Sciences, Dharwad	Shwetha Kumari Sambhavana	Belgaum	3	Rs. 25,000/- per team
Sri Jayachamarajendra College of Engineering (SJCE)	Sheshadri SA Chandan Pandey	Mysore	4	Rs. 10,000/- per team

## Testimonials

**Prof. K. VIJAYRAGHAVAN**

Secretary, Department of Biotechnology, Ministry of Science & Technology  
Government of India

Entrepreneurs in Biotech space, Government and the academia need to work together and Bangalore India Bio has a very invigorating environment to see that happen.

**DR. KIRAN MAZUMDAR SHAW**

Chairperson, Karnataka Vision Group on Biotechnology;  
Chairman & Managing Director, Biocon Limited

Bangalore India Bio has grown in stature, we have seen a huge surge in number of delegates, numbers of country participation, the number of forums we have created within this conference, the partnering forums, the poster sessions, both the exhibition and the conference have taken a new hue. It has evolved with times, it has become far more professional, far more serious. We are using this as a platform for all stakeholders to really address some of the key challenges and issues that the Indian Biotech sector faces, the challenges in terms of International perception. I think it's making a huge difference to how the Indian Biotech sector is now being perceived.

**DR. VIJAY CHANDRU**

Chairman & CEO, Strand Life Sciences

Bangalore India Bio has been very fruitful opportunity for biologist and people dealing with different aspect of biology and representing their own organizations. It's a good platform to interact by conducting meetings and we are happy to be part of it.

**DR. P.M. MURALI**

President, ABLE; Managing Director, Evolva Biotech

Bangalore India Bio has always made an impact. If you have successfully conducted an event for 13 years without losing people and getting more attendance from abroad then you don't need any certificate from anybody. It means that you've done well.

**MR. DAVID WETHERELL**

President and Chief Operating Officer, Burrill Healthcare Venture and  
Private Equity Funds, USA

It's been a great experience at Bangalore India Bio. Clearly in India, you probably have the greatest concentration of human & intellectual capital in the world and lot of this is concentrated in Bangalore. This has come out very clearly in Bangalore INDIA BIO.

**MR. ANIL RAGHAVAN**

Managing Director, Quintiles India

I think it's a great panel discussion, you have such disparate sectors but driven by a common aspiration, these numbers actually matter. I was very encouraged to see so many different sectors coming together, with so many common issues, in regulation, infrastructure building, so it was great.

**MR. ANTHONY**

Marketing Manager, Eppendorf India

We are very glad to be here as an Exhibitor from 2003 in Bangalore INDIA BIO. It is a very good platform to launch products.

# Acknowledgements

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