



CENTRE OF EXCELLENCE FOR BIOPHARMACEUTICAL TECHNOLOGY

iit delhi

Center of Excellence for Biopharmaceutical Technology (CBT) had organized a three days training program from 12th -14th December 2016 in collaboration with Asian Federation of Biotechnology (AFOB). The event was sponsored by Pall Life Sciences, Agilent Technologies and GE Healthcare. The purpose of the event was to bring together leaders from across the world to share the best practices and cutting edge technologies on a diverse set of topics. Eight one day short courses were successfully run at this event:

- Upstream Processing
- Downstream Processing
- Continuous Processing
- Computational Fluid Dynamics
- Analytical Characterization
- Computational Design
- Process Scheduling
- Quality By Design & Process Analytical Technology

CBT had invited eminent experts from academia and industry around the world to present at this event. A total of 28 presenters were involved in teaching of the courses of which 13 were from industry and 8 from abroad. The feedback from the courses is extremely encouraging and highlights the need for such an event. The event attracted more than 100 participants from India & abroad from a variety of industries and public institutions.



AFFILIATIONS OF THE PARTICIPANTS

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| Biocon Ltd., Bangalore | National Institute of Biologicals, Noida |
| Reliance Life Sciences, Mumbai | Center of Molecular Immunology, CUBA |
| Syngene International Ltd., Bangalore | MS University, Vadodara |
| Kemwell Biopharma, Bangalore | G. B. Pant University of Agriculture and Technology, Pantnagar |
| Shantha Biotechnics, Hyderabad | Mazumdar Shaw Center for Translational Research, Bangalore |
| Wockhardt Research Centre, Aurangabad | Institute of Chemical Technology, Mumbai |
| Praj Industries Ltd., Pune | Indian Pharmacopoeia Commission, Ghaziabad |
| Lupin Ltd., Pune | Tata Research Development and Design Center, Pune |
| Intas Pharmaceuticals, Ahmedabad | Biotechnology Industry Research Assistance Council, Delhi |
| Hospira Biologics Development Center, Chennai | Emcure Pharmaceuticals, Pune |
| Pfizer Biologics Development Centre, Chennai | IPCA Laboratories, Mumbai |
| Sun Pharma, Gurgaon | Serum Institute of India Ltd., Pune |
| Anthem Biosciences, Bangalore | HIMEDIA Laboratories, Mumbai |
| YMC India Pvt. Ltd, Delhi | CADFEM Engineering Services India Pvt. Ltd., Hyderabad |

Feedback



Great event ! It showed a high level of knowledge and the current state of the art on key topics, from technological to regulatory in the Biopharmaceutical domain.

Dr. Arturo Toledo
Center of Molecular Immunology
Havana, CUBA



Biologics development requires a very fine balance between innovation of science & technology of academia and scalability of Industry. The COE-CBT Course Series is one of the workshops which has been able to capture that right spirit.

Dr. Manjula Das
PI (MSCTR), Bangalore



About Us

Centre of Excellence for Biopharmaceutical Technology (CBT) was established at IIT Delhi in November 2015 by the Department of Biotechnology, Government of India, in recognition of the increasing importance of Biotechnology for India, particularly that of producing affordable biotech therapeutics.

Vision

The vision of CBT is to deliver innovation in biopharmaceutical technology to effectively address the challenges faced by the Indian biotech industries and thereby assist in the "Make in India" initiative by making India the global hub of manufacturing economical, safe and efficacious therapeutics

Mission

The mission of COE- CBT is to provide a network and linkage to establish and facilitate academic-industry collaborations and partnerships that will accelerate the discovery and development of new biopharmaceuticals and related processes.

Activities

CBT wishes to collaborate with other industrial and academic partners to pursue the following:

- Technology development in all areas related to biopharmaceutical development.
- Partner with the Indian biotech industry in implementing technology solutions
- Offer training via short courses both in fundamentals as well as "practice" of biopharmaceutical development
- Collaborate with the Indian regulators (CDSCO) to ensure that the best practices are adopted by the manufacturers
- Examine and report on quality of Bio-therapeutics that are being sold in the Indian market
- Organize professional workshops where industry, academia, and regulatory stake holders can meet and discuss on the various issues faced by the Indian pharmaceutical industry to build Brand India

Key Areas

- Quality by Design (QbD)
- Process Analytical Technology (PAT)
- Multivariate Data Analysis (MVDA)
- Computational Fluid Dynamics (CFD)
- High-Throughput Process Development (HTPD)
- Adaptive control of bioreactors
- Aggregation of biotech therapeutics
- Development and commercialization of purification and analytical technologies
- Development, scale-up, technology transfer, validation, and monitoring of biotech processes
- Modeling of biotech unit operations
- Characterization of biosimilar products
- Scientific and regulatory issues around approval of biosimilars

Upcoming Event

Next CBT Course Series will be held from 6th to 8th December 2017 at IIT Delhi. Planning has already begun and more details will be forthcoming soon

Contact Us

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