

 TechEx.in Tech Transfer Hub	 VENTURE CENTER	 NATIONAL BIOPHARMA MISSION innovate in India for excellence (i3)	 birac Ignite Innovate Incubate
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Technology Matchmaker on Biosimilars

Showcase: Biosimilar molecules and R&D capabilities

-Organized by Techex.in-

POTENTIAL GAINS	<ul style="list-style-type: none"> • Listen to pitches for Biosimilar molecules by the innovators. • Get to know R&D capabilities of the scientists. • Hand holding by TechEx.in team for taking innovation to market. • E-Meet and network with innovators, enthusiasts and experts from India and abroad.
ORGANIZED BY	<ul style="list-style-type: none"> • TechEx.in, a Tech transfer hub at Venture Center
SUPPORTED BY	<ul style="list-style-type: none"> • Venture Center • National Biopharma Mission • BIRAC
FOR WHOM	<ul style="list-style-type: none"> • Individuals interested in knowing about the technologies • For startups, entrepreneurs, small/ medium size companies, large companies/ corporates, investors.
WHEN	Tuesday, 31 Aug 2021 Time: 4.00 PM-7.00 PM (Indian Standard Time)
WHERE	All sessions will be held on an online platform
CONTACT	<p>Technical queries: Ms Devanshi P. devanshi@venturecenter.co.in +91- 7410045655 Ms Pradnya A. pradnya@venturecenter.co.in +91-8805009010</p> <p>Registration queries: Ms. Lipika Biswas Email: eventsdesk@venturecenter.co.in</p>
REGISTRATION	<p>This is a FREE event on a first come first served basis, but registration is mandatory.</p> <p>Steps for registration:</p> <ul style="list-style-type: none"> • Step 1: Interested participants need to fill in registration form at the following link. • Register online at: https://tinyurl.com/31aug-biosimilars • Step 2: The registered attendees will be sent the link to join the online session a day prior to the seminar. • Tech Seekers (invitees and attendees) have an option to attend the event anonymously. To choose this option, please click the relevant tick box while registering. • Last date to register: 28 August 2021 <p><i>Note:</i></p> <ul style="list-style-type: none"> • Sessions will be conducted using online platform. Only registered participants will be allowed to participate. • <i>Organizers reserve the right to select participants so as to optimize the group for better interaction and ensure benefit to as many relevant participants as possible.</i>

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Introduction

We aim to initiate technology matchmaking in Biosimilars domain. Showcase aims to facilitate technology matchmaking and potential tech transfer/ collaborative/ sponsored research projects.

Showcase includes




- Welcome address from Director, VC
- Pitches by the innovators followed by a Q & A session
- Expert opinions

Showcase time schedule




Time	Duration	Session title	Speaker
4:00- 4:05 PM	5 mins	Introduction to Venture Center and TechEx.in	TechEx team
4:05- 4:10 PM	5 mins	Set the stage for the showcase	<ul style="list-style-type: none"> • Premnath V, Director Venture Center • Pradnya Aradhya
4:10- 4:40 PM	30 mins	<ul style="list-style-type: none"> • Offering 1: Asparaginase • Offering 2: PEG GCSF (PEG Filgrastim) • Other capabilities and molecules in development 	Dr Anurag Rathore, IIT Delhi
4:40- 4:50 PM	10 mins	Q & A	
4:50- 5:20 PM	30 mins	<ul style="list-style-type: none"> • Offering 1: Insulin Detemir • Offering 2: Certolizumab PEGOL • Other capabilities and molecules in development 	Dr Natasa Skoko, ICGBE, Italy
5:20 - 5:30 PM	10 mins	Q & A	
5:30- 6:00 PM	30 mins	<ul style="list-style-type: none"> • Offering 1: Ranibizumab • Offering 2: Anakinra • Other capabilities and molecules in development 	Dr Rahul Bhambure, CSIR-NCL, Pune
6:00- 6:10 PM	10 mins	Q & A	
6:10- 6:25 PM	15 mins	<ul style="list-style-type: none"> • Offering 1: Adalimumab • Other capabilities and molecules in development 	Dr Pradip Sen, IMTECH, Chandigarh
6:25- 6:30 PM	5 mins	Q & A	
6:30- 7:00 PM	30 mins	Concluding session - Comments from experts, Instructions for next steps, Vote of thanks	<ul style="list-style-type: none"> • Dr Narendra Chirmule • Dr Anurag Rathore • Dr Debendra Sahoo • Dr Kavita Singh • Dr Premnath V

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Speakers (in alphabetical order of last names)

	<p>Dr Rahul Bhambure Senior Scientist, CSIR-NCL, Pune</p> <p>Dr Bhambure is a PhD from IIT Delhi in Chemical Engineering, after which he did his post doc studies from University of Delaware, before joining CSIR-National Chemical Laboratory as senior scientist. His research covers both experimental and theoretical grounds applied mainly to the field of process and product development for biopharmaceuticals. For last ten years, he has been working in the area of bioprocess development for recombinant protein and nucleic acid therapeutics. His current research interest is mainly focused on applied protein biophysics and biochemical engineering for developing novel processes at various stages of biopharmaceutical manufacturing like upstream and downstream.</p>
	<p>Dr Narendra Chirmule Co-founder and CEO of SymphonyTech Biologics</p> <p>Narendra Chirmule is the co-founder and CEO of SymphonyTech Biologics, a data analytics company focused on engineering solutions to biology. He is the Chief Scientific Officer of a immunology-research services company, AculImmune. As former Head of R&D at Biocon (Bangalore), and leadership positions in Amgen (Thousand Oaks, CA) and Merck Vaccines (West Point, PA), has contributed to clinical development of vaccines and biopharmaceuticals. He did a PhD on development of a leprosy vaccine, from Cancer Research Institute, Mumbai; post-doctoral studies on pathogenesis of AIDS from Cornell University Medical College-North Shore Hospital, New York; teaching and research as assistant professor in gene therapy at University of Pennsylvania, Philadelphia. Dr. Chirmule is on the NIH advisory committee for HIV vaccine</p>
	<p>Dr Anurag Rathore Institute Chair Professor at the Department of Chemical Engineering, Indian Institute of Technology, Delhi Coordinator for the DBT COE for Biopharmaceutical Technology</p> <p>ANURAG S. RATHORE is an Institute Chair Professor at the Department of Chemical Engineering, Indian Institute of Technology, Delhi, India. He is also the Coordinator for the DBT COE for Biopharmaceutical Technology. His previous roles included management positions at Amgen Inc., Thousand Oaks, California and Pharmacia Corp., St. Louis, Missouri. His areas of interest include process development, scale-up, technology transfer, process validation, biosimilars, continuous processing, process analytical technology and quality by design. He has authored more than 500 publications and presentations in these areas. He is presently serving as the Editor-in-Chief of Preparative Biochemistry and Biotechnology and Associate Editor for Journal of Chemical Technology and Biotechnology. He also serves on the Editorial Advisory Boards for Biotechnology Progress, Electrophoresis, BioPharm International, Pharmaceutical Technology Europe and Separation and Purification Reviews. Dr. Rathore has edited books titled Novel Bioprocessing Technology for Production of Biopharmaceuticals and Bioproducts, Preparative Chromatography for Separation of Proteins and Peptides, Quality by Design for Biopharmaceuticals: Perspectives and Case Studies (2009), Elements of Biopharmaceutical Production (2007), Process Validation (2005), Electrokinetic Phenomena (2004) and Scale-up and Optimization in Preparative Chromatography (2003). He has a Ph.D. in Chemical Engineering from Yale University. Prof. Rathore is presently serving as Dean, Corporate Relations, at IIT Delhi.</p>

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	<p>Dr Debendra Sahoo Former Chief Scientist, CSIR-Institute of Microbial Technology, Chandigarh</p> <p>Experienced Former Chief Scientist, CSIR-Institute of Microbial Technology, Chandigarh and Professor, AcSIR, with a demonstrated history of more than 30 years of working in the areas of biopharma and industrial biotechnology. Skilled in Verification and Validation (V&V), Biological Engineering, Recombinant Fermentation, Mammalian Cell Culture, Bioprocess Development and Scale up, Protein Delivery, Spectroscopy, Regulatory Science and Technology Transfer. Strong engineering professional with B. Tech from Jadavpur University, Calcutta, M. Tech and Ph.D. from IIT Delhi and a PDF focused in Biochemical Engineering and Downstream Processing from Massachusetts Institute of Technology, Cambridge, MA. He is Editorial Board Member of a number of National and International Journals and has more than 50 publications. He is a member of many scientific and technical committees of CSIR, DBT, DST, BIRAC, ICMR etc. and recipient of a number of awards and fellowships including CSIR Technology Award 2018 and Lupin Visiting Fellowship for Bioprocess Technology Endowment for year 2019-20, ICT, Mumbai.</p>
	<p>Dr Pradip Sen Senior Principal Scientist, IMTECH, Chandigarh</p>
	<p>Dr Kavita Singh</p> <p>Dr Singh, is the Former Mission Director of the National Biopharma Mission and Mission COVID Suraksha, both of which are large funded programs to enhance India's biotech and vaccine development capabilities by Department of Biotechnology, Govt of India. Presently she is Consultant to Drugs for Neglected Diseases Initiative (DNDi). In the past she has been the Program Director of Multi Vaccines Development Program (MVDP) which is a not-for-profit research society advancing and accelerating early translational development of novel vaccines against Infectious Diseases". Her other previous engagements have been in the Indian Pharmaceutical and Biotech Industry in the area of clinical development of new drugs and vaccines. Dr Singh has a Medical Undergraduate degree, MD in Medical Microbiology from PGI, Chandigarh and certificate in Executive Program in Business Management from IIM, Kolkatta</p>

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	Dr Natasa Skoko Group Leader, Biotechnology Development, ICGEB, Trieste, Italy
	Dr V Premnath Director Venture Center, Head NCL Innovations and Scientist, Polymer Science Division, CSIR-National Chemical Laboratory Pune Dr V. Premnath is currently the Head, NCL Innovations – the group within National Chemical Laboratory (NCL), charged with the responsibility of championing the cause of technology innovation within NCL. He also provided leadership for the Intellectual Property Group at NCL – one of the India’s leading IP management group based out of research institutions. Dr. Premnath is also the Director of the Venture Center – a Technology Business Incubator at NCL campus. He is also a Scientist, Polymer Science & Engineering Division at NCL with an interest in technology development for biomedical products. Dr. Premnath is the founder and first Director of Venture Center, CSIR-Tech (a technology commercialization company), Orthocrafts Innovations (degradable synthetic polymer based biomed products startup) and BiolMed Innovations (silk based biomaterials startup). Dr. V. Premnath holds a B. Tech. from the Indian Institute of Technology – Bombay and a Ph.D. from the Massachusetts Institute of Technology, USA. He has also been a Chevening Technology Enterprise Fellow with the Centre for Scientific Enterprises, London Business School and Cambridge University, UK. He brings with him considerable experience in technology development and commercialization (two successfully commercialized families of biomedical products), incubation and innovation management, working with startup companies (in Cambridge-UK and India) and engaging with large corporations on research and consulting projects as a project leader.

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	TECHEX.IN is a Technology Transfer Hub operated by Venture Center, Pune, India and

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 <p>TechEx.in</p>	<p>supported by the National Biopharma Mission, BIRAC (Govt of India). TECHEX.IN aims to help technology developers and technology commercialization entities find each other's, forge partnerships and advance the technology closer to the market in a win-win partnership. In this mission, TECHEX.IN will build upon learnings, methods and experiences of NCL Innovations (department of CSIR-NCL championing innovations), IPFACE (IP Facilitation Center) and Venture Center (technology business incubator). The TECHEX.IN is based in the western part of India. While its focus is on organizations in Maharashtra, Gujarat and Goa states of India, it welcomes technology developers and technology commercialization entities from any part of the world. For more information please visit: techex.in</p>
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Supported by

 <p>NATIONAL BIOPHARMA MISSION</p>	<p>National Biopharma Mission (NBM) is a Mission of the Government of India approved by the Cabinet for implementation in May 2017. The NBM's mission is to make India a hub for design and development of novel, affordable and effective biopharmaceutical products and solutions. The NBM has an allocation of US\$ 250 million and is jointly funded by the Government of India and the World Bank in equal measure. The NBM is officially known as "An Industry-Academia Collaborative Mission of Department of Biotechnology (DBT) for Accelerating Early Development for Biopharmaceuticals". Biotechnology Research Assistance Council (BIRAC) is the implementation partner of the Government of India for the Mission. For more information, visit: https://birac.nic.in/nbm/</p>
 <p>birac Ignite Innovate Incubate</p>	<p>Biotechnology Industry Research & Assistance Council (BIRAC) is a new industry-academia interface and implements its mandate through a wide range of impact initiatives, be it providing access to risk capital through targeted funding, technology transfer, IP management and handholding schemes that help bring innovation excellence to the biotech firms and make them globally competitive. For more information, visit: www.birac.nic.in</p>
 <p>VENTURE CENTER</p>	<p>Entrepreneurship Development Center (Venture Center) – a CSIR initiative – is a Section 25 company hosted by the National Chemical Laboratory, Pune. Venture Center strives to nucleate and nurture technology and knowledge-based enterprises by leveraging the scientific and engineering competencies of the institutions in the Pune region in India. The Venture Center is a technology business incubator supported by the Department of Science & Technology's National Science & Technology Entrepreneurship Development Board (DST-NSTEDB). Venture Center's focuses on technology enterprises offering products and services exploiting scientific expertise in the areas of materials, chemicals and biological sciences & engineering. For more information, visit: http://www.venturecenter.co.in/</p>