



Process Innovations in Pharmaceuticals Matchmaker (PIPM)

Technology Showcase

-- Organized by Techex.in --

POTENTIAL GAINS	<ul style="list-style-type: none">• Listen to pitches for available technologies by the innovators from PIP domain.• 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	Thursday, 20th March 2025 Time: 4.00 PM-6:30 PM (Indian Standard Time)
WHERE	All sessions will be held on an online platform.
CONTACT	Technical queries: Dr Kavita P kavita.parekh@venturecenter.co.in Registration queries: Mr Vineet Joshi vineet.joshi@venturecenter.co.in
REGISTRATION	<ul style="list-style-type: none">• FREE and on a first come first served basis, but registration is mandatory.• Register here: https://docs.google.com/forms/d/e/1FAIpQLSeiwTBj5CSgXCiYl37mI4nleZjP9mBaUPnal-KeLz1pcor5Qw/viewform• 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. Please note:• The registered attendees will be sent the link to join the online session a day prior to the seminar.• 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.



Introduction

We aim to initiate technology matchmaking in Process Innovations in the Pharmaceuticals space. 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 Schedule

Time	Duration	Session title	Speaker
4:00- 4:05 PM	5 mins	Introduction to Venture Center and TechEx.in	Kavita Parekh
4:05- 4:10 PM	5 mins	Set the stage for the showcase	<ul style="list-style-type: none"> • Premnath V • Pradnya Aradhye
4:10- 4:15 PM	5 mins	Nintedanib	Gautam Panda
4:15- 4:25 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
4:25- 4:30 PM	5 mins	p-Aminophenol	Sanjay Kamble
4:30- 4:40 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
4:40- 4:45 PM	5 mins	Sacubitril Intermediate	Ravindra Kontham
4:45- 4:55 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
4:55- 5:00 PM	5 mins	Cenchaquin	Ajay Srivastava
5:00- 5:10 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
5:10- 5:15 PM	5 mins	Sitagliptin	Samir Chikkali
5:15- 5:25 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
5:25- 5:30 PM	5 mins	Olaparib	Gautam Panda
5:30- 5:40 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
5:40- 5:45 PM	5 mins	Ivacaftor	Amol Kulkarni
5:45- 5:55 PM	10 mins	Remarks from the Scientist & Q& A/ Comments from Experts	
5:55- 6:10 PM		Concluding session - Comments from experts,	<ul style="list-style-type: none"> • Dr Premnath V



	15 mins	Instructions for next steps, Vote of thanks	<ul style="list-style-type: none">• Dr Gopakumar Nair• Dr Girij Singh• Dr Subhash Chavan
--	---------	--	--

Speakers & Experts (in alphabetical order of last names)



Dr Subhash Chavan

Chair and Deputy Director, Organic Chemistry Division, National Chemical laboratory

Dr. Subhash P. Chavan serves as the Chair and Deputy Director, as well as Chief Scientist in the Organic Chemistry Division at CSIR-National Chemical Laboratory (NCL), Pune. His research encompasses the total synthesis of bioactive natural products, development of synthetic methodologies, and asymmetric synthesis. He has previously worked as a Scientific Fellow to Chief Scientist at NCL, with postdoctoral research at the University of Minnesota under Prof. Paul G. Gassman, and doctoral studies at NCL under Dr. A. V. Rama Rao. Dr. Chavan has an M.Sc. and Ph.D. in Organic Chemistry from Pune University.

Dr. Chavan's group at CSIR-NCL, Pune is involved in the total synthesis of bioactive natural products and medicinally important drug molecules along with development of new synthetic methodologies. Dr. Chavan's group focuses on constructing biologically relevant compounds, including natural products, non-natural analogs, and hybrid molecules. They also work on creating custom synthetic methods and applying them to complex organic molecules.



Dr Samir Chikkali

Chief Scientist (G), CSIR-National Chemical Laboratory (NCL)

Dr. Samir H. Chikkali is a Chief Scientist (G) and Professor at the Academy of Scientific and Innovative Research (AcSIR) within the Polymer Science and Engineering Division at CSIR-National Chemical Laboratory (NCL), Pune. He leads the POMCAT (POLYmer and OrganoMetallic CATalysis) research group, focusing on catalysis, polymer chemistry, and sustainable chemistry. Dr. Chikkali earned his Ph.D. from the University of Stuttgart, Germany, and pursued postdoctoral research at the University of Amsterdam and the University of Konstanz as an Alexander von Humboldt Fellow. He has published in high-impact journals such as the Journal of the American Chemical Society and Angewandte Chemie. His contributions have been recognized with numerous awards, including the CSIR-NCL Best Scientist Award for 2016–17 and again in 2022–23. Dr. Chikkali serves as an Associate Editor for the Bulletin of Materials Science and is a reviewer for several high-impact journals.



Dr Sanjay P Kamble

Senior Principal Scientist, CSIR-National Chemical Laboratory (NCL)

Dr. Sanjay P. Kamble is a Senior Principal Scientist at the CSIR-National Chemical Laboratory (NCL) in Pune, India, with over a decade of research experience. He earned his Ph.D. in Chemical Engineering from the Institute of Chemical Technology (ICT), Mumbai, in 2007, where he also served as a lecturer for two years. His research focuses on process intensification and scale-up, process development, and wastewater treatment using advanced oxidation processes and microalgae for environmental and energy applications. Dr. Kamble has authored over 35 publications in esteemed international journals and holds more than eight national and international patents. His contributions have been recognized with awards such as the CSIR Young Scientist Award (2010), Young Associate of the Maharashtra Academy of Sciences (2010) among others. Notably, he led the development of a cost-effective and environmentally friendly process for paracetamol production, reducing manufacturing costs by 15-20%, which earned the NCL RF-Cipla Hamied Award for the Best Process of the Year in 2019.



Dr Ravindra Kontham

Principal Scientist, CSIR-National Chemical Laboratory (NCL)

Dr. Ravindar Kontham received his BSc from Kakatiya University, Warangal, India, MSc from Osmania University, Hyderabad, and Ph.D. from the CSIR-Indian Institute of Chemical Technology, Hyderabad, under Dr. J. S. Yadav (former Director, CSIR-IICT) in 2008. He then completed postdoctoral research with Prof. Pierre Deslongchamps at Université de Sherbrooke (2 years) and Université Laval, Québec (3 years). After a 9-month stay at Toronto Research Chemicals, Toronto, he returned to India and joined the Division of Organic Chemistry, CSIR-National Chemical Laboratory, Pune, as a Senior Scientist in September 2014. He is currently a Principal Scientist-CSIR, India, and Associate Professor-AcSIR, India. His research focuses on novel cascade/domino reactions involving main group and transition metal catalysis, total synthesis of bioactive natural products, design and synthesis of new chemical entities for drug discovery, and process development for APIs and intermediates.



Dr Amol Kulkarni

Senior Principal Scientist, CSIR-National Chemical Laboratory (NCL)

Dr. Amol A. Kulkarni is a Senior Principal Scientist at the Chemical Engineering & Process Development Division of CSIR-National Chemical Laboratory (NCL), Pune, where he has served since 2005. He holds a Ph.D. in Chemical Engineering (2003) and B. Chem. Eng. (1998) from the Institute of Chemical Technology (ICT), Mumbai. A Humboldt Fellow (2004) at MPI-Magdeburg, Germany, he was also an IUSSTF Research Fellow at MIT, USA (2010). Dr. Kulkarni specializes in microreactors, multiphase reactors, process intensification, and industrial flow processes. He established India's first microreactor lab and developed the first scalable continuous process for silver nanowires. His accolades include the Shanti Swarup Bhatnagar Prize (2020), Swarnajayanti Fellowship (2015), VASVIK Award (2016), and CSIR Young Scientist Award (2011). With 90+ papers, 35+ patents, and 7 Ph.D. students supervised, he serves on editorial boards of major journals and is a member of international and national scientific committees.



Dr Gopakumar Nair

Designated Partner, GNANLex Associates LLP

Dr. Gopakumar G. Nair is a seasoned professional with over 40 years of experience in the pharmaceutical and chemical industries, having held key roles such as Director, Chairman & Managing Director, and Past-President of the Indian Drug Manufacturers' Association (IDMA). He earned his Ph.D. in Organic Chemistry from the National Chemical Laboratory (NCL), Pune (1967), along with an M.Sc. (1962), a Diploma in Management (1974), an LL.B. (2008), and an LL.M. (2022) from Jindal Global Law School. Dr. Nair is an advocate and a member of the Bar Council of Tamil Nadu and Puducherry (Enrolment No. MS.2702/2009). Currently, Dr. Nair heads Gopakumar Nair Associates, a leading IP/Patent Attorney firm, and serves as CEO of Patent Gurukul, a well-known patent training institute. A registered Patent and Trademark Agent, he is also a Scientific Adviser to the Patent Office under Rule 103 of the Patents Rules, 2003.

Dr. Nair is the Chairman of the IPR Committee at IDMA, an editor for publications like IDMA Bulletin, and President of the Bharat Education Society. He is also the founder and Honorary Chairman of the Centre for Intellectual Property Management (CIPROM).



Dr Gautam Panda

Chief Scientist, CSIR-Central Drug Research Institute (CDRI)

Dr. Gautam Panda is a Chief Scientist in the Medicinal and Process Chemistry Division at CSIR-Central Drug Research Institute (CDRI), Lucknow. He earned his M.Sc. from IIT Kharagpur in 1993 and completed his Ph.D. under Prof. Goverdhan Mehta at the University of Hyderabad in 1999. Following postdoctoral research in Canada and Taiwan, he joined CDRI in 2002. With over 23 years in biomedical research, Dr. Panda specializes in harnessing chiral amino acids and tri-substituted methanes for drug discovery. He has authored approximately 132 publications, holds 12 patents, and has developed cost-effective synthesis routes for drugs like Nintedanib and Olaparib.

His work includes the first biomedical application of corannulene-derived amino acids and peptides, and the synthesis of over 20 bioactive natural products and their stereoisomers. Dr. Panda has received accolades such as the Chemical Research Society of India Bronze Medal (2012) and membership in the National Academy of Sciences (2014). He has also established international collaborations, including programs with Hiroshima University and Osaka University in Japan.



Dr V Premnath

Director Venture Center, Head NCL Innovations & Chief 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 provides 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.



Dr Girij Singh

Chief Technology Officer, Aquapharm Chemicals Pvt Ltd

Girij Pal Singh currently holds the position of Chief Technology Officer at Aquapharm Chemicals Pvt. Limited, a role he has occupied since May 2023. At Aquapharm, he directs technological development in specialty chemicals, including phosphonates, polymers, and oil field chemicals, supporting operations across 60 countries.

He has a PhD from Indian Institute of Technology, Kanpur (1987) in chemical engineering. Dr Singh served as a Senior Vice President at Lupin from January 2001 to April 2023, managing research and development initiatives for over 22 years. His technical contributions at Lupin include co-inventing patented processes, such as the precipitation of amorphous Letemovir and the synthesis of novel salts of Bempedoic acid. At Aquapharm, he directs technological development in specialty chemicals, including phosphonates, polymers, and oil field chemicals, supporting operations across 60 countries. Dr Singh also engages in mentorship and industry forums.




Dr Ajay Srivastava

Principal Scientist, CSIR-Central Drug Research Institute (CDRI)

Dr. Ajay Kumar Srivastava is a Principal Scientist at CSIR-Central Drug Research Institute (CDRI), Lucknow. He earned his M.Sc. in Chemistry from the University of Delhi and his Ph.D. from Jadavpur University, conducting research at CSIR-CDRI under Dr. Gautam Panda. Following a two-year postdoctoral tenure in chemical biology with Prof. S. B. Park at Seoul National University, South Korea, he served as a Scientist at CSIR-Indian Institute of Chemical Technology, Hyderabad, from August 2011 to March 2017, before joining CSIR-CDRI. Dr. Srivastava's research focuses on developing novel chemical entities through innovative, scalable, and environmentally friendly chemistry. His expertise encompasses synthetic methodologies, process development, and medicinal chemistry. He has authored 54 research articles and supervised 10 Ph.D. students. Notably, his group transferred the process for Umifenovir to Medizest Pvt. Ltd. for repurposing during the COVID-19 pandemic. Additionally, his team collaborates with Dr. Reddy's Laboratories and ARKN Pvt. Ltd. on various sponsored projects.



Organized by	
	<p>TECHEX.IN is a Technology Transfer Hub operated by Venture Center, Pune, India and 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).</p> <p>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>
Supported by	
	<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>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>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.</p> <p>For more information, visit: http://www.venturecenter.co.in/</p>