



Bio Pune Seminar Series

The Triple Helix Model of Innovation: Learnings for Pune from Boston and Developing Countries

- Talk by Dr Ashley Stevens, D. Phil. (Oxford), CLP, RTTP -

Gains	<ul style="list-style-type: none"> • Learn about the Triple Helix Model of Innovation from a senior global expert (Dr Ashley Stevens from Boston, USA, Ex-Head, Technology Transfer at Boston University, US)
Organized by	<ul style="list-style-type: none"> • TechEx.in, Regional Tech Transfer Office at Venture Center, Pune • Bioincubator at Venture Center, Pune
Supported by	<ul style="list-style-type: none"> • Biotechnology Industrial Research Assistance Council (BIRAC) • National Biopharma Mission • TCG – IBP, International Biotech Park Ltd • Association of Biotechnology Led Enterprises (ABLE – India) • Venture Center
For whom	<ul style="list-style-type: none"> • Industry professionals • Innovators and Startups • Researchers, academics and students • Technology Managers and Incubation Managers • Policy researchers and practitioners
When	Tuesday, 06 February 2024 6:00 PM to 7:30 PM
Where	Session will be held in offline mode at Venture Center campus Lecture Theater, 900 NCL Innovation Park, Pune
Contact	<p>Technical queries: Meghana Bhandari 8956677543 meghana.bhandari@venturecenter.co.in Mugdha Lele 7410045652 mugdha@venturecenter.co.in Registration queries: Vineet Joshi vineet.joshi@venturecenter.co.in</p>



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Registration

This talk is free, but by invitation only. You can express your interest to participate here: <https://rebrand.ly/tcgibpl-stevens>

Note: Organizers reserve the right to select participants so as to maximize learning and networking opportunities for the group. Only registered participants will be allowed to participate in the event.

Event Schedule

Time	Duration	Topic	Lead Speaker
1730-1800	15 min	Registration and Tea	
1800 -1815	15 min	Welcome and Introductions	<ul style="list-style-type: none"> ● Smita Kale ● Prasanta Biswal
1815-1900	45 min	Talk: The Triple Helix Model of Innovation: Learnings for Pune from Boston and Developing Countries	<ul style="list-style-type: none"> ● Ashley Stevens
1900-1930		Felicitations: Leadership in Bioinnovation	<ul style="list-style-type: none"> ● Premnath V
	05 mins	Mylab Discovery Solutions Citation: Inclusion of Serum-Mylab's indigenously-developed latent TB test - Cy-TB in the National Tuberculosis (TB) Elimination Programme	<ul style="list-style-type: none"> ● Hasmukh Rawal
	05 mins	Serum Institute of India Citation: Inclusion of Serum-Mylab's indigenously-developed latent TB test - Cy-TB in the National Tuberculosis (TB) Elimination Programme	<ul style="list-style-type: none"> ● Umesh Shaligram
	05 mins	Praj Industries Ltd Citation: Pushing the frontiers in generating SAF from AgroWaste	<ul style="list-style-type: none"> ● Pramod Kumbhar



	05 mins	Indus Biotech Limited Citation: For science-led innovations in nutraceuticals, functional foods and botanical drugs backed by numerous patents and publications	● Aditya Bhaskaran
	05 mins	GPS Renewables Pvt Ltd Citation: Pushing the frontiers in generating BioCNG from AgroWaste	● Mainik Chakraborty
	05 mins	Agharkar Research Institute Citation: Pushing the frontiers in generating BioCNG from AgroWaste	● Prashant Dhakephalkar
1930 onwards		High tea and networking	

Speaker



Ashley Stevens

Scientist, Biotech Startup Founder, Technology Transfer Specialist, Author and Lecturer | Ex-Head at Office of Technology Transfer at Boston University, USA

- **Ex Director of the Office of Technology Transfer at the Dana-Farber Cancer Institute**
- **Ex President of USA's Association of University Technology Managers**
- **Consultant at CARB-XI Winchester, Massachusetts, United States**

For 15 years, Dr. Stevens led Boston University's Office of Technology Transfer. He then became Special Assistant to the Vice President for Research for two years before retiring from full time employment at BU. Before joining Boston University, he was Director of the Office of Technology Transfer at the Dana-Farber Cancer Institute, a teaching affiliate of the Harvard Medical School. During his tenure at Boston University, the Office of Technology Development spun out over 50 companies based on the University's research, a number of which raised substantial amounts of capital, and the University's licensing income climbed steadily. Previously, Dr. Stevens worked in the biotechnology industry for nearly ten years. He was a co-founder of Kytogenics, Inc., was co-founder of Genmap, Inc., and was Vice President of Business Development for BioTechnica International. Dr. Stevens publishes and lectures frequently on many aspects of technology transfer, including the Bayh-Dole Act, the economic impact of technology transfer and its role in economic development, the contribution of academia to the discovery of new drugs and vaccines, the role of technology transfer in global health and technology valuation. He was the recipient of the Bayh-Dole Award at the Association of University Technology Managers (AUTM) 2007 Annual Meeting and became President of AUTM in March 2010. He is also active in the Licensing Executives Society and the MassBio. Dr. Stevens holds a Bachelor of Arts in Natural Sciences, a Master of Arts and a Doctor of Philosophy in Physical Chemistry from Oxford University. He is a Certified Licensing Professional and a Registered Technology Transfer Professional.

Teams to be felicitated




Aditya Bhaskaran,
Head of Legal & Business Development Manager, Indus Biotech



Aditya Bhaskaran, based in Pune, Maharashtra, India is currently a Business Development Manager at Indus Biotech Private Limited, bringing experience from previous roles at Indus Biotech Private Limited and Detkin Intellectual Property and Technology Clinic. Aditya Bhaskaran holds a 2013 - 2014 LLM in Law at University of Pennsylvania. With a robust skill set that includes Bankruptcy, Property Law, Dispute Resolution, Corporate Governance, ILS and more, Aditya Bhaskaran contributes valuable insights to the industry.



Mainak Chakraborty
Co-founder & CEO, GPS Renewables

Mainak Chakraborty, based in Mumbai, Maharashtra, India is currently a Co-Founder and CEO at GPS Renewables Pvt Ltd, bringing experience from previous roles at i2india, Various, Result and Anveshan Telecom Pvt. Ltd. Mainak Chakraborty holds a 2008 - 2010 PGDM at Indian Institute of Management Bangalore. With a robust skill set that includes Start-ups, Entrepreneurship, Telecommunications, Embedded Systems, Debugging and more, Mainak Chakraborty contributes valuable insights to the industry.

	<p>Prashant Dhakephalkar, PhD Director, Agharkar Research Institute (ARI)</p> <p>Dr. Prashant K. Dhakephalkar is Director of Agharkar Research Institute, an autonomous institute of DST, Government of India. After obtaining Ph.D. in Microbiology in 1994, he initially worked in an industry for two years, and in academic institutes thereafter. He spent two years (1998-2000) on sabbatical at University of Virginia, USA as Research Associate in the field of Molecular and Cellular Immunology. His research is mainly focused on “Developing microbial technologies for applications in Food, Pharma and Energy Sector”. His research projects have been sponsored by the DBT, CSIR, ISRO, SIDA, and various industries. PKD has published more than 100 papers in journals of high international repute. His papers have more than 4500 citations. He has also filed 12 Indian patents a US patent, two PCT and a German patent. He has developed and transferred eleven technologies with industrial sponsorships. He has operated 29 extramural research projects. He has mentored 20 Ph.D. students.</p>
	<p>Pramod Kumbhar, PhD President & CTO, Praj Matrix-R and D, Praj Industries</p> <p>Pramod Kumbhar is the president and chief technology officer (CTO) at Praj Matrix-R&D, Praj industries Ltd. Praj is a leading process solutions company with expertise in integrated offerings for bio-energy, high purity water solutions and engineering led businesses namely zero liquid discharge solutions, critical process equipment & systems and brewery plants. Sustainability is at the core of Praj’s solutions driven by ably supported by its state-of-the-art R&D Centre - Matrix and manufacturing facilities. Over three decades, Praj has been a trusted partner with 1000++ references in over 100+ countries across all 5 continents. Led by an able leadership, Praj is a socially responsible corporate citizen. Headquartered in India; Praj is listed on BSE and NSE. Praj Matrix conducts research in the emerging areas of industrial biotechnology viz. 2nd generation biofuels, advanced biochemicals, and health & wellness products.</p>

	<p>Hasmukh Rawal Co-founder & MD, Mylab Discovery Solutions</p> <p>Mr. Hasmukh Rawal is the Managing Director and co-founder of Mylab Discovery Solutions. Hasmukh is biotechnologist-turned-entrepreneur and holds a postgraduate degree in medical biotechnology. Hasmukh has deep experience in the commercial development of applied molecular diagnostics solutions. He drives product strategy and new innovations at Mylab. He also closely manages the interface with the external stakeholders. He has a deep understanding of the Indian diagnostics market with has close association with major industry players and academic and research institutes in the country. He is an avid cricket player and loves to travel.</p>
	<p>Umesh Shaligram, PhD Executive Director, Serum Institute of India</p> <p>Umesh Shaligram (Ph.D.), Executive Director of Board of Serum Institute of India, leads the manufacturing of COVISHIELD and COVOVAX Covid-19 vaccines. He also leads research, development and manufacturing of several products at SIIPL. These products are recombinant vaccines, proteins, polysaccharides and also newer technologies like polysialylation, biosimilars and biobetters. He is also spearheading SIIPL's strategies for (i) TB eradication with novel products based on detection, treatment and prevention (ii) HIV prevention and therapy (iii) Malaria Vaccine (iv) Pertussis vaccine and (v) HPV Vaccine. He has experience of various technologies involved in the field of biologics, biosimilars, biobetters and has led several collaborations, tech-transfers and business relations with various companies and research organizations. He has also actively involved in regulatory interaction with several regulatory agencies in the world.</p>

List of Organizers (in alphabetical order of their last name)


Prasanta Biswal
Director, TCG IBP

Prasanta brings with him, more than 30 years of experience in strategy, public policy, corporate and government affairs, public private partnerships, biotech parks and real estate. He is currently a Director for TCG IBP and President for Corporate Affairs at TCG Real Estate. He was the Managing Director & CEO of TCG International Biotech Park for more than 17 years. Prior to TCG, Prasanta has had a long-standing association with the Federation of Indian Chamber of Commerce & Industry (FICCI) serving in various capacities in New Delhi, and Washington, D.C as Head of FICCI, promoting bilateral economic relationship between India and USA. He has also worked in Italy as the Indian Delegate at the UNIDO Investment Promotion Office to boost trade, investments and technology transfer between Italy and India. He was associated with the Planning Commission as a Consultant at the Energy Policy Division.



Smita Kale, PhD
Advisor- Bioincubation, Venture Center

Smita as part of incubation team, facilitates incubator operations by interacting with incubatees, infrastructure and facilities creation and development of the ecosystem. She is leading Bio-incubation activities, Center for Biopharma Analysis (CBA) and BIRAC's Regional Bioinnovation Center (BRBC) projects at Venture Center. She is actively involved in mentoring startups at Venture Center. She is Ph. D in Pharmaceutical Chemistry from Institute of Chemical Technology, Mumbai and prior to joining Venture Center has had academic experience of 12 years which includes research experience of 3.6 years.

	<p>Mugdha Lele, PhD Head-Social Innovations, Venture Center</p> <p>Mugdha is currently Head – Social Innovations at Venture Center, Pune. She has done Ph.D from School of Health Sciences, University of Pune and has teaching and research experience in a State Government medical university. At Venture Center, she is responsible for driving the Social Innovations activities and providing technical mentoring for startups at Venture Center. She has been a Fellow of the Chevening Rolls Royce Science, Innovation, Policy and Leadership Programme (CRISP) at the Said Business School, University of Oxford, UK in 2016. In 2018 she has also been part of the Aritra Accelerator Program for Leadership in the Social Sector at IIM Bangalore with Phicus Solutions and Dr. Reddy’s Foundation. She serves as the nominee director on the boards of Synthera Biomedical Pvt Ltd (a dental biomaterials startup), Pragmatech Healthcare Solutions Pvt Ltd (a medical diagnostics startup) and Spot Healthcare Solutions Pvt Ltd (a medtech startup).</p>
	<p>Premnath Venugopalan, PhD Director, Venture Center Head, NCL Innovations</p> <p>Dr Premnath is Head, NCL Innovations at CSIR-NCL and Founder Director, Venture Center (National award winning inventive enterprises and deep tech incubator). Dr Premnath is a technology developer, innovation and incubation manager, startup mentor and a co-founder of 2 medical implant startups. One of his inventions -- a breakthrough material for hip and knee joint replacements — has been implanted in more than a million patients worldwide. Another technology for porous maxillo-facial implants has been implanted in thousands of patients in India and abroad. He has provided leadership for teams that have won National awards for technology development, intellectual property management and business incubation. He is chemical engineer and an alumnus of MIT in the US, IIT-Bombay (Distinguished Alumnus, 2022) and has been a Chevening Technology Enterprise Scholar in Cambridge, UK.</p>




Organized by



TechEx.in
Tech Transfer Hub at Venture Center
Supported by NBM - BIRAC

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 learning's, 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: www.techex.in



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BIOINCUBATOR AT VENTURE CENTER

The BioIncubator at Venture Center aims to nucleate and nurture technology and knowledge-based enterprises leveraging knowledge in the areas of biotechnology (biopharma, agrobiotech, industrial biotech, clean technology), biomedical engineering/ devices/ diagnostics, biomass value addition/ renewable fuels/chemicals/materials, bioinformatics, bio/medical services and related disciplines.

For more information visit: <https://www.venturecenter.co.in/bionest/>

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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







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	<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.</p> <p>For more information: visit: https://birac.nic.in/nbm/</p>
	<p>TCG IBP is solely dedicated to the Life Sciences industry, particularly research & development, in the field of Biotechnology, Pharmaceuticals and other areas related to the Biotech sector. The only Integrated Biotech Park (with residential developments, hotels and commercial facilities) in India, it provides ample space for Research and Development. TCG IBP has several occupants such as Emcure Pharmaceuticals Ltd, Centaur Pharmaceuticals Pvt. Ltd, GENNOVA Biopharmaceuticals Ltd, OmniActive Health Technologies Ltd, MJ Biopharma Group, Innovassynth Technologies (India) Ltd, SEQENS Group, Deepak Novochem Technologies Ltd, and TCG Lifesciences Ltd among others.</p> <p>For more information please visit: https://tcgibp.com/</p>
	<p>Association of Biotechnology Led Enterprises - ABLE 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.</p> <p>ABLE has over 400 members from all across India representing all verticals of the sector like Agribiotech, Bio-pharma, Industrial biotech, Bioinformatics, Investment banks and Venture Capital Firms and Equipment Suppliers.</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>





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