

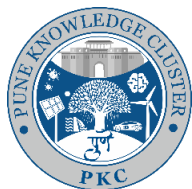


Pune Knowledge Cluster in collaboration with Serum Institute of India, PVT. LTD.







Presents

Course on A Virtual Course On Basics, Pitfalls, and Trouble-Shooting Vaccine Production


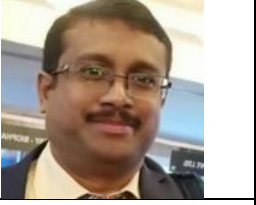

Organized By	Pune Knowledge Cluster (PKC)
In Collaboration With	Serum Institute of India, PVT.LTD.
Date	Start Date: 15 th January 2021 End Date: 5 th February 2021
Location	The course will be conducted on an online platform
Course Duration	10 online sessions
Course Description	Vaccines help boost an individual's defense against infections and significantly reduce the risk of getting a disease. Designing, producing, and distributing a vaccine, however, is a hard and arduous task. This inaugural course of Pune Knowledge Cluster (PKC) in partnership with Serum Institute of India, Pune, is designed to provide an industry perspective to enhance any basic academic knowledge you already have about vaccine production by acquainting you with its real-life setbacks and pitfalls.
For whom	Doctoral students, post-doctoral fellows Young investigators from industry and academia, research/science managers, CTOs, CSOs, in research/technology organizations, technology incubators, etc. in and around Pune
Potential Gains	The course contents will enlighten the participants with basic knowledge of the process of designing and producing a vaccine. It will also focus on various aspects of vaccine production including critical thinking and problem-solving.
Trainers	Yuvraj Dalvi Dr. S. S. Pisal Dr. Hitesh Malviya Ravi Menon Rajeshwari Dr. Prasad Kulkarni Dr. Hitesh Malviya Dr. Jaganathan Dr. Leena Yeolekar
Number of Seats	The maximum number of participants will be limited to about 25.
Registration Fees	There is no registration fees.



Schedule: A Virtual Course On Basics, Pitfalls, and Trouble-Shooting Vaccine Production

Day & Date	Topic	Speaker
Friday 15 January 2021	Aspects of IP and Freedom to Operate in Research & Development of vaccines and immunobiological.	Yuvraj Dalvi 
Tuesday 19 January 2021	Case studies in vaccine research.	Dr. S. S. Pisal 
Wednesday 20 January 2021	Case study for MenAfrivac - Developing something for a non-first-world disease.	Dr. Hitesh Malviya 
Thursday 21 January 2021	Converting the bulk vaccine into the final product - Marrying containers, product, and equipment.	Ravi Menon 
Friday 25 January 2021	Vaccines to LMICs – need-driven rather than commerce-driven.	Ravi Menon 
Monday 27 January 2021	Ensuring product acceptance: Regional requirements. & Life cycle management.	A. Rajeshwari
Tuesday 28 January 2021	How do we know the vaccine works?	Dr. Prasad Kulkarni 



<p>Wednesday 1 February 2021</p>	<p>Eradication of Polio - The journey of 2 vaccines OPV and IPV A technology and manufacturing perspective.</p>	<p>Dr. Hitesh Malviya</p>	
<p>Thursday, 2 February 2021</p>	<p>Developing formulations for Game-changing multivalent vaccines.</p>	<p>Dr. Jaganathan</p>	
<p>Friday 5 February 2021</p>	<p>Navigating vaccine development during a Pandemic - Influenza and COVID</p>	<p>Dr. Leena Yeolekar</p>	



About the organizer:

The Pune Knowledge Cluster (PKC) has been established by the Office of the Principal Scientific Adviser to the Government of India. The aim is to bring together academia, R&D institutions and the industry of Pune and its surrounding areas, to address the challenging problems of the region through innovative means, using scientific knowledge and engaging highly skilled human resources. Furthermore, PKC aims to foster capacity building and promote skills development and entrepreneurship among the students and professionals of the city. All relevant organizations and experts will be partners and consulted to identify sustainable solutions to the problems of the city and improve its liveability and prosperity.

While the PKC is administered by the Inter-University Centre for Astronomy and Astrophysics (IUCAA), it is a project of and for the whole city. In the initial phase, PKC would focus on air, water, health, and sustainable mobility.

For more information, visit: <https://www.pkc.org.in/>

Serum Institute of India Pvt. Ltd. is now the world's largest vaccine manufacturer by number of doses produced and sold globally (more than 1.5 billion doses) which includes Polio vaccine as well as Diphtheria, Tetanus, Pertussis, Hib, BCG, r-Hepatitis B, Measles, Mumps and Rubella vaccines. It is estimated that about 65% of the children in the world receive at least one vaccine manufactured by Serum Institute. Vaccines manufactured by the Serum Institute are accredited by the World Health Organization, Geneva and are being used in around 170 countries across the globe in their national immunization programs, saving millions of lives throughout the world.