

Vaccinology & Covid-19 vaccine: an update

19 March 2021

Background

Vaccines are among the most effective public health interventions currently available, with their use having saved more lives than any other intervention. The recent Covid-19 pandemic and rapid development of several vaccines to control it has led to a heightened interest of the medical profession and the general public alike in the field of vaccinology. This field encompasses several diverse topics such as mechanisms underlying vaccine-induced immunity, various approaches for making vaccines, animal and human studies to assess the safety, efficacy and effectiveness of vaccines, mathematical modelling of the impact of vaccines on a population, cost-effectiveness of vaccine use, and issues related to roll-out of vaccines, including logistics, programmatic issues and public trust.

In view of the above, JIPMER Puducherry, is organizing a one-day online course on "Vaccinology and Covid-19 vaccine: an update" on 19 March 2021, as a part of its 6th Annual Research Day celebrations.

Objective

After attending the course, the participants (medical, public health and other scientific professionals and students) will be able to:

- Comprehend the basic concepts of vaccinology, including the development, assessment and public health use of vaccines.
- Discuss issues pertaining to Covid-19 vaccines – currently in use and in development.

Prospective faculty

Experts in the field of vaccinology from abroad and from within the country

Registration (no fees) and further information

Further information and form for free online registration (by 15 March 2021) are available at <https://forms.gle/DoLmQjmU2zKH8Qzr8>. Please contact vaccinologyjipmer@gmail.com for any queries.

Vaccinology Workshop Team, JIPMER, Puducherry



Detailed programme is enclosed on the next page

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(Organized by Jawaharlal Institute of Postgraduate Medical Education and Research)

Details: <https://www.jipmer.edu.in/6th-annual-research-day>

Registration (no fees): <https://forms.gle/DoLmQjmU2zKH8Qzr8>

Time	Topic	Speaker
0900-0915	Inauguration and introduction to the Course	Chief Guest: Vishwa Mohan Katoch President, Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry, India
0915-0950	Vaccines as public health intervention	JP Muliyl Former Principal and Head, Department of Community Health, Christian Medical College, Vellore, India
0950-1025	Immune response to vaccines and correlates of protection	Amita Aggarwal Professor, Department of Clinical Immunology and Rheumatology, Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, India
1025-1100	Vaccine Safety	Barbara Law Independent Vaccine Safety Consultant, Canada (Previously Chief, Vaccine Safety of the Public Health Agency of Canada)
1100-1105	Break & Buffer Time	
1105-1140	Vaccine trial designs	Prasad Kulkarni Executive Director, Serum Institute of India Pvt. Ltd. Pune, India
1140-1215	Why is it difficult to develop vaccines against certain infections?	Vineeta Bal Visiting Faculty, Indian Institute of Science Education and Research, Pune, India (Formerly: Staff Scientist, National Institute of Immunology, New Delhi)
1215-1250	Vaccine hesitancy	Lisa Menning Department of Immunization, Vaccines and Biologicals, World Health Organization, Geneva, Switzerland
1250-1400	Break	
1400-1440	COVID-19 Vaccines: Approaches and status update	Gagandeep Kang Professor of Microbiology, Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore, India.
1440-1525	Vaccine development: from lab to bench (in conversation with Rakesh Aggarwal)	Andrew Pollard Professor of Paediatric Infection and Immunity, Department of Paediatrics, University of Oxford, Oxford, UK
1525-1535	Break & Buffer Time	
1535-1610	SARS-CoV-2 variants and future of COVID-19 vaccines	Shabir Madhi Professor of Vaccinology, University of Witwatersrand, Johannesburg, South Africa
1610-1645	COVID-19 vaccine roll-out in India: Science, Policy, and Operational Perspectives	NK Arora Executive Director, The Inclen Trust International, New Delhi, India
1645-1700	Concluding Remarks	Sitanshu Kar, Rakesh Aggarwal Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry, India